



**GOVERNMENT OF TAMIL NADU**

# **SCHEDULE OF RATES**

**2024-2025**

[WITH EFFECT FROM 15.07.2024]

## **VOLUME - I**

### **BASIC RATES (EXCLUDING GST & OTHER TAXES)**

Volume - I	PWD   HIGHWAYS   WRD	332 Pages
Volume - II	TWAD   CMWSSB   TNUHDB   HR&CE   HORTICULTURE	321 Pages
Volume - III	FORESTS   TANGEDCO   TANTRANSCO	350 Pages

**GOVERNMENT OF TAMIL NADU**  
**SCHEDULE OF RATES FOR THE YEAR 2024-25**

**PREFACE**

To arrive at Schedule of Rates for the use of various departments under Government of Tamil Nadu, the Government of Tamil Nadu in G.O. (Ms).No 3, Public Works (G2) department, dated 14.03.2024 constituted a committee with Members comprising of Engineer in Chief and Chief Engineer (General), Public Works Department, Engineer in Chief and Chief Engineer (General), Water Resources Department, Director General, Highways Department, Principal Chief Conservator of Forest, Forest Department, Representative of Finance Department, Engineering Director, Tamil Nadu Water supply and Drainage Board, Engineering Director, Chennai Metropolitan Water Supply and Sewerage Board, Chief Engineer (Construction and Maintenance), Highways Department, Chief Engineer, Design Research & Construction Support, Water Resource Department, Chief Engineer, Tamil Nadu Generation and Distribution Corporation Limited and Chief Engineer, Tamil Nadu Urban Habitat Development Board. The Special invitees from various other Departments were also invited for discussion based on the requirement as decided by the Schedule of Rates Committee.

The prevailing market rates, Whole Sale Price Index of current year, TANCEM rate for Cement, SAIL rate for Steel, past five years data and various factors related to Rate of Materials, Rate of Labours, Rate of various items of work, Conveyance Table for various departments have been discussed and deliberated upon in several committee meetings. This Schedule of Rates includes existing items, deletion of few items which are not in use, addition of new items, and merger of similar items. After detailed deliberations and discussions, this Schedule of rates has been arrived at and approved by the committee for the year 2024-2025.

This Schedule of Rates is a comprehensive document that succinctly summarizes the standard rates and services required for construction projects which will be useful for departments in the preparation of estimates and deciding the Rate of Materials, Rate of Labours, Rate of various items of work. The contents of the Schedule of Rates are detailed below:

- Volume 1** Public Works Department, Highways Department and Water Resource Department.
- Volume 2** Tamil Nadu Water Supply and Drainage Board, Chennai Metropolitan Water Supply and Sewerage Board, Tamil Nadu Urban Habitat Development Board, Hindu Religious and Charitable Endowments Department and Tamil Nadu Horticulture Development Agency
- Volume 3** Forests Department, Tamil Nadu Generation and Distribution Corporation Limited and Tamil Nadu Transmission Corporation Limited.

  
For **Committee**  
(Engineer - in - Chief &  
Chief Engineer (General), PWD,  
Chepauk, Chennai-5)

**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME I**

**(PUBLIC WORKS DEPARTMENT, HIGHWAYS DEPARTMENT & WATER RESOURCES DEPARTMENT)**

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**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME II**

**(TWAD, CMWSSB, TNUHDB, HR & CE AND HORTICULTURE DEPARTMENT)**

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**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME III**

**(FOREST, TANGEDCO AND TANTRANSCO DEPARTMENT)**

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**GOVERNMENT OF TAMIL NADU**  
**SCHEDULE OF RATES FOR THE YEAR 2024-2025**  
**(WITH EFFECT FROM 15.07.2024)**

**GENERAL NOTE**

For special nature of works, for which rates are not covered in the Schedule of Rates, such as road works, water supply, drainage, etc., separate schedule of rates issued by the respective officers / department / board are to be followed.

Extra percentage other than those for the specified areas noted below, shall not be allowed.

**1. CORPORATION LIMITS:**

**An extra 10%** on the Rates of Labour, Rates of Works and for Head Load shall be allowed for the works in

- (i) Erstwhile Chennai Corporation limits and the belt area of 32 km around erstwhile Chennai Corporation limits (i.e.) prior to formation of Greater Chennai Corporation.
- (ii) Madurai Corporation limits.
- (iii) Coimbatore Corporation limits and also for works in Hosur Taluk.

**2. An extra 5%** on the Rates of Labour, Rates of Works and for Head Load shall be allowed for the works in Trichy, Salem, Tirunelveli, Tiruppur, Erode, Thoothukudi and Vellore Corporation limits.

**3. RESTRICTED AREAS :**

- (i) **An extra 10%** on the Rates of Labour and Rates of Works shall be allowed for **sewer works under unhygienic condition.**
- (ii) **An extra 40%** on the Rates of Labour and Rates of Works shall be allowed for **sewer works under unhygienic condition (For the hydromechanical Works)**
- (iii) **An extra 10%** on the Rates of Labour, Rates of Works and Conveyance Charges shall be allowed for works in the campus of **Central Jails.**
- (iv) **An extra 5%** on the Rates of Labour, Rates of Works and Conveyance Charges shall be allowed for works in the campus of **Sub-jails.**
- (v) **An extra 20%** on Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for works in **Reserve Forest Areas.**
- (vi) **An extra 40%** on the Rates of Labour & extra 20% on Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for works in **Reserve Forest Areas. (For the hydromechanical Works)**

#### 4. FOR WORKS IN HILLS:

As the transport facilities in most of the Hilly Areas are now considerably improved and as there is no necessity for allowing extra percentage as hitherto followed, the Hilly Areas are now again regrouped as detailed hereunder and the extra percentage allowable has been revised accordingly and fixed.

The conveyance table approved and furnished in the schedule of rates under the Head **V. Conveyance Table, (B). Conveyance of Materials by Road on Hills** shall be adopted for all works in hills.

- (i) For works in **Nilgiris District an extra 40% on the** Rates of Labour, Rates of Works, Head Load and an extra 25% on the Rates of Materials shall be allowed.
- (ii) For works in **Mudumalai Sanctuary, Shandy Nallah Sheep Farm, Dansandle areas, an extra 40%** over Rates of Labour, Rates of Works and Head Load and an extra 25% on the Rates of Materials shall be allowed.
- (iii) For works in **Valparai Area an extra 40% on the** Rates of Labour, Rates of Works, Head Load and an extra 25% on the Rates of Materials shall be allowed.
- (iv) For works in **Gudiyalathur, Siruvani, Thavalamalai Hills, Talavadi Hills, Bargur Hills, Anamalai, Chennimalai and Sivanmalai Hills an extra 20%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed.
- (v) **For works in Western Ghats of Madurai, Virudhunagar, Coimbatore, Tirunelveli & Kanyakumari Districts an extra 20%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed.
- (vi)
  - (a) **An extra 50%** on the Rates of Labour for works in Thekkady shall be allowed.
  - (b) **Add 25% extra** shall be allowable on the Rates of Materials which are to be supplied at Thekkady, subject to the condition that there shall not be any extra on conveyance, tollgate fee, interstate allowance, etc. The conveyance charge as applicable for Ghat Road, Cart Track, etc., as per schedule of rates is only applicable.
- (vii) **An extra 60%** shall be allowable on the Rates of Materials to be supplied for Periyar Dam Site subject to the condition that there shall not be any extra on conveyance, tollgate fee, interstate allowance, etc. The conveyance charge as applicable for Ghat Road, Cart Track, etc., as per schedule of rates is only applicable.
- (viii) **An extra 100%** on the Rates of Labour for works in Periyar Dam Site under normal condition shall be allowed.

- (ix) **An extra 150%** on the Rates of Labour for works in Periyar Dam Site under hanging condition shall be allowed.
- (x) **An extra 50%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed for the works at Lower Camp above Kuruvanthu Bridge, Bodi Hills, Cumbam mettu, Sirumalai, Pachai Kamatchi Hills, Palani Hills, Tiruparankundram Hills, Idumban Hills, Megamalai Panchayat and Thummakundu Panchayat.
- (xi) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and an extra 25% over the Rates of Materials shall be allowed for the works at Kodaikanal.
- (xii) **An extra 25%** on the Rates of Labour, Rates of Materials, Rates of Works and Head Load shall be allowed for works in Yercaud, Yercaud Sub-Taluk, Boothamalai, Aranuthumalai, Sarugumalai and Thiruchengode Hills in Salem & Namakkal District.
- (xiii) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Kalrayan Hills, Pachamalai Hills and Kolli Hills in Salem & Namakkal Districts.
- (xiv) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Jawadhu Hills, Elagiri Hills, Kalrayan Hills, Nakkanamalai Hills, Naickerner Hills Tiruvannamalai & Vellore Districts.
- (xv) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Piranmalai covering Oduvarpatti, Kattugudi Patti, Ponnadaipattu, V. Pudur Village, Mamalai covering Vannar Irruppu, Nagamangalam Villages, Usilamalai covering Poolankurichi Village, Hillocks at Musundapatti, Usilam, Ammapatti and Thuthampatti in Sivagangai District.
- (xvi) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Chitteri Hills, Sittiling in Kalrayan Hills in Dharmapuri District.
- (xvii) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Kalrayan Hills in Cuddalore & Villupuram Districts.
- (xviii) **An extra 40%** on the Rates of Labour, Rates of Works and Head Load and **an extra 25%** over the Rates of Materials shall be allowed for works in Pachamalai Hills in Tiruchy, Karur & Perambalur Districts.

## 5. ISLANDS IN RAMANATHAPURAM DISTRICT:

### (a). For works in Rameswaram Island:

**An extra 25%** on the Rates of Labour, Rates of Works and Head Load shall be allowed.

### (b). For works in Other Islands:

**An extra 125%** on the Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for other Islands in Ramanathapuram viz. (1) Upputhannie Island, (2) Puleevilaichalli Island, (3) Aalaippar Island, (4) Valimunai Island, (5) Appa Island, (6) Thalaiyari Island, (7) Valai Island, (8) Mullai Island, (9) Manoli Island, (10) Minoliputti Island, (11) Nadu Island (12) Nallathannie Island, (13) Pullivasal Island (14) Poomarichan Island, (15) Muyal Island, (16) Singala Island and (17) Kurusedar Island.

### (c). For works in Islands of Thoothukudi District:

**An extra 125%** on the Rates of Labour, Rates of Materials, Rates of Works, Conveyance Charges and Head Load shall be allowed for Van, Kasuvar, Karaichalli Island and Vilankuchali Islands.

## 6. TUNNELS:

**An extra 75 %** on the Rates of Labour, **40%** Rates of works and **25%** on rates of material shall be allowed for works inside tunnels. (For Hydro Mechanical Works)

**An extra 15 %** on the Rates of Labour, Rates of works shall be allowed for works inside tunnels.

## 7. DAM SITES UNDER HANGING CONDITION (Other than Periyar Dam site):

**An extra 75 %** on the Rates of Labour employed for the items of works, which may have to be executed by hanging from the top of dam through slings (or) rope ladders to work in dizzy height. (This will apply only for maintenance and repair works)

## 8. GENERAL FOOT NOTE:

- (i) The rates of labour means the labour rates fixed under the head, **Rates of Labour**.
- (ii) The extra percentages provided are only applicable on the basic rates (excluding any other percentage increase given for specified reasons).
- (iii) **Rates of Works** includes the labour for earthwork, refilling foundation, dismantling, jungle clearance, head load, etc., also where human labour alone is involved.
- (iv) The percentage increase provided for the materials are applicable **only for the materials which are quarried or manufactured locally in the specified area**.

- (v) The percentage increase provided for **Rates of Works** are allowable only on the items where human labour alone is involved.
- (vi) The percentage increase provided for **Conveyance Charges** are allowable for the distance covered in the specified area / Special Tract only.
- (vii) The rate for **conveyance of bitumen** shall be as per the rates concluded by the Oil Companies.
- (viii) The extra percentage allowable as specified above shall not be applicable for the materials / works covered under Annexure-VI "Rates of Other Construction Materials" and Annexure-VII "Rates of Electrical Items of Works". Similarly, no conveyance charges shall be allowed for the items covered under these two categories. The rates approved therein are applicable at site of work.
- (ix) While adopting source of any materials inside the special tracts viz., Corporation limits, Reserve Forest Areas, Hilly Areas, Islands, Dam Sites etc., where extra percentage allowable for the materials which are quarried or manufactured locally, it is the duty of the officer in charge of the work (not below the rank of Assistant Executive Engineer), to analyse and confirm whether the finished cost of such materials / works are higher if the materials are conveyed and brought to the site from the areas outside the specified area, where such extra percentage are not permissible.
- (x) The necessity of inclusion of relevant footnotes in respect of the districts covered under their region other than the general notes furnished above, if any, may be analysed and recommendations sent to the Engineer-in-Chief & Chief Engineer (General), PWD, Chennai-5 for consideration by the Schedule of Rates Committee and approval.
- (xi) The basic rates of labour and materials provided are exclusive of all taxes including GST.
- (xii) As per G.O. Ms No. 114, CT & R (B1) Department dated 22.07.2022, The Commercial Taxes and Registration Department has issued notification on the recommendations GST council for the changes in GST rate at 12% for the work contracts supplied to the Governments involving predominantly earth work and 18% for other works such as historical monuments, canals, dams, pipe lines, plants for water supply, educational institutions, hospitals etc.,

9. **GENERAL FOOT NOTE FOR HYDRO MECHANICAL WORKS:**

- (i) Cost towards construction of coffer dams & dewatering are not included and shall be worked out on case to case basis.
- (ii) Preparation of design & drawings as per site condition & hydraulic particular, shall be charged at 5% over & above the cost of estimate.
- (iii) Cost of river diversion, dewatering, desilting, ring bund, access road to shutters, scaffolding etc are not included in the rates.

- (iv) The rates are considered exclusive of GST. Appropriate GST may be charged to the estimate based on prevailing GST at the time of preparation of estimate.
- (v) Documentation charges such as photography, videography, drone survey & as built drawings may be charged at 2% over & above the cost of estimate.
- (vi) Jigs and supports needed for the project shall be charged at 2.5% over & above the cost of estimate.
- (vii) Hand tools used in the project shall be calculated at 1% over & above the cost of estimate.
- (viii) Hidden labour due to natural causes like sudden rains, copious inflow, gusty wind shall be charged at 15% over & above the labour cost.
- (ix) Environmental concerns like dust prevention, disposal of waste & green cover, etc shall be charged at 2% over & above the estimate
- (x) Safety concerns like signboards, temporary fencing, reflectors, fire prevention & first aid shall be charged at 1% over & above the estimate.
- (xi) For 5 years maintenance, 15% shall be charged over & above the cost of estimate.
- (xii) The basic rates of labour, hire charges and materials provided are exclusive of all taxes including GST.

**STATEMENT SHOWING THE PROPOSED EXTRA PERCENTAGE ALLOWABLE  
AS PER GENERAL NOTE TO SCHEDULE OF RATES FOR THE YEAR 2024-2025  
(WITH EFFECT FROM 15.07.2024)**

Sl. No.	Area	Percentage extra allowable on				
		Labour	Material	Rate of work (where human labour involved)	Conveyance	Head load
1	For works in (i) Erstwhile Chennai Corporation limits and the belt area of 32 km around erstwhile Chennai Corporation limits (i.e.) prior to formation of Greater Chennai Corporation, (ii) Madurai Corporation limits, (iii) Coimbatore Corporation limits and also for works in Hosur Taluk	10%	-	10%	-	10%
2	For works in Trichy, Salem, Tirunelveli, Tiruppur, Erode, Thoothukudi and Vellore Corporation limits	5%	-	5%	-	5%
<b>3</b>	<b>Restricted Areas</b>					
i	For sewer works under unhygienic condition	10%	-	10%	-	-
ii	For sewer works under unhygienic condition (Hydromechanical Works)	40%	-	10%	-	-
iii	For works in Central Jail Campus	10%	-	10%	10%	-
iv	For works in Sub-Jail Campus	5%	-	5%	5%	-
v	For works in Reserve Forest Areas	20%	20%	20%	20%	20%
vi	For works in Reserve Forest Areas (Hydromechanical Works)	40%	20%	20%	20%	20%
<b>4</b>	<b>Hills</b>					
i	For works in Nilgiris District	40%	25%	40%	-	40%
ii	For works at Mudumalai Sanctuary, Shandy Nalla Sheep Form, Dansandle Area	40%	25%	40%	-	40%
iii	For works at Valparai	40%	25%	40%	-	40%
iv	For works at Gudiyalathur, Siruvani, Thavalamalai Hills, Thalavadi Hills, Bargur Hills, Anamalai, Chennai Malai and Sivanmalai Hills	20%	20%	20%	-	20%

v	For works in Western Ghats of Madurai, Virudhunagar, Coimbatore, Tirunelveli and Kanyakumari Districts	20%	20%	20%	-	20%
	In Madurai, Theni and Dindigul Districts					
vi	For works at Thekkady	50%	25%	-	-	-
vii	For works at Periyar Dam Site	-	60%	-	-	-
viii	For works at Periyar Dam Site under normal condition	100%	-	-	-	-
ix	For works at Periyar Dam Site under hanging condition	150%	-	-	-	-
x	For works at Lower Camp above Kuruvanthu Bridge, Bodi Hills, Cumbam Mettu, Sirumalai, Pachai Kamatchi Hills, Palani Hills, Tiruparankundram Hills, Irdumban Hills, Megamalai Panchayat and Thummakundu Panchayat	50%	50%	50%	-	50%
xi	For works at Kodaikanal	40%	25%	40%	-	40%
xii	For works at Yercaud Hills, Yercaud Sub-Taluk, Boothamalai, Aranuthumalai, Sarugumalai and Tiruchengodu Hills in Salem and Namakkal Districts	25%	25%	25%	-	25%
xiii	For works at Kalrayan Hills, Pachamalai Hills, Kolli Hills in Salem and Namakkal Districts	40%	25%	40%	-	40%
xiv	For works at Jawadhu Hills, Elagiri Hills, Kalrayan Hills, Nakkanamalai Hills, Naickenneri Hills in Tiruvannamalai and Vellore Districts	40%	25%	40%	-	40%
xv	For works at Piranmalai covering Oduvarpatti, Kattugudipatti, Pannadaipattu, V.Pudur Villages, Mamalai covering Vannar Iruppu, Nagamangalam Villages, Usilamalai covering Poolankurichi Village, Hillocks at Musundapatti, Usilam, Ammapatty and Thuthampatti in Sivagangai District	40%	25%	40%	-	40%
xvi	For works at Chitheri Hills, Sittiling in Kalrayan Hills in Dharmapuri District	40%	25%	40%	-	40%
xvii	For works at Kalrayan Hills in Cuddalore and Villupuram Districts	40%	25%	40%	-	40%
xviii	For works at Pachamalai Hills in Trichy, Karur and Perambalur Districts	40%	25%	40%	-	40%

<b>5</b>	<b>Islands</b>					
i	For works at Rameswaram Island in Ramanathapuram District	25%	-	25%	-	25%
ii	For works in other Islands, viz. Upputhannie, Puleevilaichalli, Alaiappar, Valimunai, Appa, Thalaiyari, Valai, Mullai, Manoli, Minidiputti, Nadu, Nallathannie, Pullivasal, Poomarichan, Muyal, Singala, Kuruseedar Islands in Ramanathapuram District	125%	125%	125%	125%	125%
iii	For works in Van, Kasuvar, Karaichalli and Vilankurichi Islands in Thoothukudi District	125%	125%	125%	125%	125%
<b>6</b>	<b>Tunnels</b>					
i	Where human labour alone is involved (Hydromechanical Works)	75%	25%	40%	-	-
ii	Where human labour alone is involved	15%	-	15%	-	-
<b>7</b>	<b>Dam sites under hanging condition</b>					
i	For works at dam sites other than Periyar Dam Site, which may be executed by hanging from top of dam through slings or rope ladders to work in dizzy height	75%	-	-	-	-
<b>NOTE:</b>						
<b>1</b>	<b>The following 3 Nos. of General Note pertains to Water Resources Department Sl. No.3 - (ii) &amp; (vi), Sl. No.6 - Tunnels and Sl. No.7 - Dam sites under hanging condition</b>					

**PUBLIC WORKS  
DEPARTMENT  
(PWD)**

<b>Structure for Unique Item Codes</b>	
<b>Item Code</b>	<b>Item Type</b>
L	Labour
M	Materials
W	Works
C	Head load and Conveyance
H	Hire Charges

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "A-1234" mentioned in the 'Unique Code' column in each sheet

**ANNEXURE-I****I. RATES OF LABOUR**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>I</b>	<b>HIGHLY SKILLED CATEGORY</b>		
L-0001	Technical Assistant Grade-I (B.E.Passed)	Day	1337.00
L-0002	Technical Assistant Grade-II (Diploma in Engg. Passed / B.E. Failed / Degree in Geology for Ground Water Works)	Day	1205.00
L-0003	Technical Assistant Grade-III (Diploma in Engg. Failed / ITI (Civil) Passed)	Day	1018.00
L-0004	Cinema Operator (ITI Passed)	Day	839.00
L-0009	Computer Operator Grade-I [B.E. (Computer Science) / M.Sc., (Computer Science)]	Day	1337.00
L-0010	Computer Operator Grade-II [B.Sc. (Computer Science) / Diploma in Computer Science]	Day	1205.00
L-0013	Wireman Grade-I / Electrician Grade-I	Day	908.00
<b>II</b>	<b>SKILLED CATEGORY</b>		
L-0014	Blacksmith-I Class	Day	845.00
L-0016	Carpenter-I Class	Day	1073.00
L-0017	Cleaner-First Grade	Day	570.00
L-0018	Fitter-I Class	Day	969.00
L-0019	Fitter (Pipe Laying / Bar Bending)-I Class	Day	952.00
L-0020	Floor Polisher	Day	845.00
L-0021	Hammer Mazdoor	Day	679.00
L-0023	Driver (Light Duty)	Day	845.00
L-0024	Driver (Heavy Duty)	Day	902.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
L-0025	Maistry, Road Inspector & Work Inspector	Day	814.00
L-0026	Maistry, Road Inspector & Work Inspector (Degree Holder)	Day	902.00
L-0027	Skilled Mason Class-I for Heritage Work	Day	1549.00
L-0028	Skilled Mason Class-II for Heritage Work	Day	1355.00
L-0029	Mason for Brick Work-I Class	Day	1098.00
L-0030	Skilled Sthapathy Brick Mason for Heritage Work	Day	1937.00
L-0031	Mason for Stone Work-I Class	Day	1098.00
L-0032	Skilled Sthapathy Stone Mason for Heritage Work	Day	1937.00
L-0033	Mechanic-I Class	Day	845.00
L-0036	Painter / Varnisher-I Class	Day	876.00
L-0037	Pile Driver	Day	778.00
L-0038	Plumber-I Class	Day	952.00
L-0039	Sawyer	Day	778.00
L-0040	Smith-I Class	Day	842.00
L-0041	Stone Cutter-I Class	Day	842.00
L-0042	Syrang-I Class	Day	842.00
L-0043	Tinker-I Class	Day	679.00
L-0044	Turner-I Class	Day	778.00
L-0045	Time Keeper-I Class	Day	842.00
L-0046	Welder / Bracer-I Class	Day	842.00
L-0050	Wodder	Day	708.00
L-0051	Compressor Operator	Day	744.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
L-0053	Stone & Crusher Operator	Day	744.00
L-0054	Wireman Grade-II / Electrician Grade-II	Day	902.00
L-0055	Lift Operator	Day	814.00
L-0056	Laboratory Attendant	Day	606.00
L-0057	Sound Service Operator	Day	679.00
L-0058	Electrical Maistry	Day	1041.00
<b>III</b>	<b>SEMI SKILLED CATEGORY</b>		
L-0059	Axe Mazdoor	Day	668.00
L-0060	Blacksmith-II Class	Day	811.00
L-0061	Bullocks Pair with Driver (with Bandy)	Day	1324.00
L-0062	Bullocks Single with Driver (with Bandy)	Day	952.00
L-0063	Carpenter-II Class	Day	1025.00
L-0065	Cleaner-Second Grade	Day	564.00
L-0067	Fitter-II Class	Day	941.00
L-0068	Fitter (Pipe Laying / Bar Bending)-II Class	Day	922.00
L-0069	Gardener	Day	668.00
L-0070	Jumper Mazdoor	Day	668.00
L-0071	Mason for Brick Work-II Class	Day	1025.00
L-0072	Mason for Stone Work-II Class	Day	1025.00
L-0073	Mazdoor Category-I	Day	716.00
L-0074	Head Mazdoor	Day	741.00
L-0075	Mechanic-II Class	Day	811.00
L-0077	Painter / Varnisher-II Class	Day	849.00
L-0078	Plumber-II Class	Day	922.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
L-0079	Pump Driver	Day	741.00
L-0080	Smith-II Class	Day	811.00
L-0081	Stone Cutter-II Class	Day	811.00
L-0082	Syrang-II Class	Day	811.00
L-0083	Thatcher	Day	708.00
L-0084	Tinker-II Class	Day	668.00
L-0085	Turner-II Class	Day	741.00
L-0086	Time Keeper-II Class	Day	811.00
L-0087	Welder / Bracer-II Class	Day	811.00
L-0091	Mazdoor employed for Pitting, Trenching, Sampling & Drilling works	Day	717.00
L-0092	Mazdoor employed for Geophysical investigation works	Day	717.00
L-0093	Head Mazdoor to supervise exploratory works	Day	756.00
L-0094	Mixer Operator (including concrete mixer)	Day	778.00
L-0095	Mixer Driver	Day	741.00
L-0096	Heavy Mazdoor	Day	778.00
L-0097	Electrical Helper	Day	708.00
<b>IV</b>	<b>UN-SKILLED CATEGORY</b>		
L-0098	Mazdoor Category-II	Day	587.00
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-I – Rates of Labour" is exclusive of all taxes and GST.		
2a	For night works including bridge works in all Corporation and Municipal Areas, an extra 25% over the Rates of Labour charges only may be allowed.		

2b	The extra 25% for labour rates is applicable to only items of works which are necessarily to be carried out during night with appropriate clause incorporated in the tender document. The increase is applicable on the basic rates only (excluding extra percentage provided for specified areas).
3a	<p>The following Unique Code of Rates of Labour pertains to Water Resources Department</p> <p>Unique Code L-0011 - Irrigation Community Organiser Grade-I, Unique Code L-0012 - Irrigation Community Organiser Grade-II, Unique Code L-0015 - Boat Mazdoor, Unique Code L-0022 - Head Mazdoor for Well Sinking, Unique Code L-0034 - Mopla-I Class, Unique Code L-0035 - Navagonies or Javali Man-I Class, Unique Code L-0047 - Well Diver for Removing Silt-I Class, Unique Code L-0048 - Well Sinker-I Class, Unique Code L-0049 - Well Sinking Diver working with Helmet (above two metres depth of water), Unique Code L-0064 - Caulker, Unique Code L-0066 - Ferry Mazdoor, Unique Code L-0076 - Mopla-II Class, Unique Code L-0088 - Well Diver for Removing Silt-II Class and Unique Code L-0089 - Well Sinker-II Class.</p>
3b	<p>The following Unique Code of Rates of Labour included in Water Resources Department Schedule of Rates-</p> <p>Unique Code L-0005 - Laboratory Assistant Grade-I (Post Graduate in Science), Unique Code L-0006 Laboratory Assistant Grade-II (Degree in Science / Degree in Geology for Ground Water), Unique Code L-0007 - Laboratory Assistant Grade-III (With Degree Qualification to work as Works Clerk), Unique Code L-0008 - B.Sc., (Agriculture) Passed and Unique code L-0052 - Geological Assistant.</p>

**ANNEXURE-II**

**II. RATES OF MATERIALS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0001	Cement	MT	5960.00
M-0002	Steel	MT	56000.00
	<b>A. BRICKS AND TILE PRODUCTS</b>		
	Second Class Table Moulded Chamber Burnt Bricks		
M-0003	9" x 4 <sup>1</sup> / <sub>2</sub> " x 3"	1000 Nos.	7887.00
M-0004	9" x 4 <sup>3</sup> / <sub>8</sub> " x 2 <sup>3</sup> / <sub>4</sub> "	1000 Nos.	7585.00
	Second Class Ground Moulded Chamber Burnt Bricks		
M-0005	9" x 4 <sup>1</sup> / <sub>2</sub> " x 3"	1000 Nos.	6795.00
M-0006	9" x 4 <sup>3</sup> / <sub>8</sub> " x 2 <sup>3</sup> / <sub>4</sub> "	1000 Nos.	6595.00
	Third Class Country Brick Kiln Burnt		
M-0007	8 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> " x 2 <sup>3</sup> / <sub>4</sub> "	1000 Nos.	5709.00
M-0008	8 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> "	1000 Nos.	4489.00
M-0009	8 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> " x 2"	1000 Nos.	4299.00
	Fly Ash Bricks		
M-0010	230 x 110 x 70mm	1000 Nos.	6595.00
M-0011	230 x 110 x 75mm	1000 Nos.	6795.00
	<b>Specially Moulded Country Brick for well steining</b>		
M-0012	8 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> " x 2"	1000 Nos.	2526.00
M-0013	Perforated Bricks 19 x 9 x 9cm	1000 Nos.	3854.00
M-0014	Terrace Bricks 15 x 7.5 x 2.5cm	1000 Nos.	989.00
M-0015	Special Bricks 8" x 4" x 2" for Heritage Works	1000 Nos.	13365.00
M-0016	Terrace Bricks 6" x 3" x 1" for Heritage Works	1000 Nos.	10020.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	Wire Cut Bricks for Heritage Works		
M-0017	Size 9" x 4" x 3"	1000 Nos.	13365.00
M-0018	Size 9" x 4" x 2"	1000 Nos.	11140.00
M-0019	Size 9" x 6.5" x 2"	1000 Nos.	16705.00
	Flat Tiles		
M-0020	15cm x 15cm x 12mm	1000 Nos.	8087.00
M-0021	15cm x 15cm x 20mm	1000 Nos.	9604.00
	Brick Jelly		
M-0022	40mm size	cum.	705.00
M-0023	20mm size	cum.	786.00
	Pressed Tiles		
M-0024	20 x 20 x (1.6-1.8) cm	1000 Nos.	11356.00
M-0025	23 x 23 x (1.6-1.8) cm	1000 Nos.	16106.00
	Pan Tiles		
M-0026	23cm x 8cm x 1.7cm	1000 Nos.	441.35
M-0027	16.5cm x 8cm x 1.7cm	1000 Nos.	363.30
	Best Mangalore Tiles		
M-0028	I Class 'A'	1000 Nos.	10594.00
M-0029	Class 'AA'	1000 Nos.	10807.00
M-0030	Best Mangalore Ridge Tiles	1000 Nos.	31007.00
M-0031	Best Mangalore Ceiling Tiles	1000 Nos.	6514.00
M-0032	Best Mangalore Glass Roofing Tiles	Each	304.00
M-0033	Best Mangalore Ventilating Tiles (Single)	Each	45.45
M-0034	Best Mangalore Ventilating Tiles (Double)	Each	57.55

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	Mosaic Flooring Tiles (Grey)		
M-0035	Mosaic (Grey) Tile 25 x 25 x 2cm	1000 Nos.	11907.00
M-0036	Mosaic (Grey) Tile 20 x 20 x 2cm	1000 Nos.	7605.00
	Mosaic (other Colour)		
M-0037	Mosaic (other colour) Tile 25x25x2cm	1000 Nos.	16432.00
M-0038	Mosaic (other colour) Tile 20x20x2cm	1000 Nos.	9696.00
M-0039	Mosaic (Green) Tile 20 x 20 x 2cm	1000 Nos.	11907.00
M-0040	Mosaic (Green) Tile 25 x 25 x 2cm	1000 Nos.	18674.00
M-0041	Mosaic Chequered Tile Grey Colour Size 25 x 25 x 2 cm	1000 Nos.	14948.00
	Attangudi Tiles for Heritage Works		
M-0042	Size 8" x 8" x 3/4"	Each	26.95
M-0043	Size 10" x 10" x 3/4"	Each	32.70
M-0044	Size 12" x 12" x 3/4"	Each	50.00
	<b>B. STONE AND ROAD MATERIALS</b>		
M-0045	Rough Stone for masonry works (Hard Granite)	cum.	449.40
M-0048	Cut Stone Pillar of size 0.15 x 0.15 x 2.10m	Each	165.60
M-0050	From boulders without blasting for masonry	cum.	147.45
M-0051	Course Rubble Stone for masonry works	cum.	358.50
M-0052	Course Rubble Stone for Arch works	cum.	388.80
M-0058	Ashlar Arch Stone Fully Dressed to size all faces	cum.	4893.00
M-0059	Flooring Stone SS Size (Not less than 10cm thick)	sqm.	356.50
M-0064	Bond Stones	cum.	648.40
	Hard Broken Granite Stone Jelly (I.S.S.) Machine crushed / Hand broken		
M-0082	HBGS Jelly 90mm size	cum.	494.30

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0083	HBGS Jelly 80mm size	cum.	553.50
M-0084	HBGS Jelly 63mm size	cum.	639.00
M-0085	HBGS Jelly 50mm size	cum.	741.90
M-0086	HBGS Jelly 40mm size	cum.	1155.00
M-0087	HBGS Jelly 25mm size	cum.	992.00
M-0088	HBGS Jelly 20mm size	cum.	1608.00
M-0089	HBGS Jelly 12mm size	cum.	1492.00
M-0090	HBGS Jelly 10mm size	cum.	1097.00
M-0091	HBGS Jelly 6mm size	cum.	741.90
M-0092	HBGS Jelly 3mm size	cum.	667.40
	<b>Quartz metal</b>		
M-0107	Quartz Metal 50mm	cum.	97.75
M-0108	Quartz Metal 40mm	cum.	98.75
M-0115	Laterite 40 to 75mm size	cum.	97.75
M-0116	Kankar 40 to 75mm size	cum.	97.75
M-0117	Soling Stones un-blasted 15cm cube	cum.	114.10
M-0118	Soling Stones blasted 15cm cube	cum.	185.80
M-0119	Gravel	cum.	222.70
M-0120	Well Gravel	cum.	166.50
M-0121	Screened Kankar Gravel	cum.	121.90
M-0122	Quarry Rubbish	cum.	96.65
M-0124	Pond Ash (wet / dry)	cum.	95.65
M-0125	Crushed Stone Sand (Commercially called M-Sand)	cum.	1338.00
M-0126	Plastering Sand (P-Sand)	cum.	1343.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0127	Sand for Mortar *	cum.	As per G.O.Ms. No.4, Public Works (I.Spl.2) Dept., dt.06.01.2022
M-0128	Sand for Filling *	cum.	
M-0129	Clay for Puddle & Masonry	cum.	37.35
M-0130	Cuddapah Slab 50mm Thick	sqm.	425.00
M-0131	Cuddapah Slab 38 / 40mm Thick	sqm.	408.00
M-0132	Cuddapah Slab 20 / 30mm Thick	sqm.	376.70
	<b>C. Lime</b>		
M-0133	Shell Lime (Slaked & Screened)	cum.	1348.00
M-0134	Freshly Slaked & Screened Burnt Lime Stone	cum.	993.00
M-0135	Stone Lime or Lime Metal	cum.	85.60
M-0136	Unslaked Freshly Burnt Lime (CaO not less than 75%) for use in Heritage Construction Works	cum.	10345.00
M-0137	Freshly Slaked and Screened Lime (CaO not less than 85%) for Theervai Plastering in Heritage Works	cum.	15500.00
	<b>D. Timber and Roofing Materials</b>		
M-0138	TW Scantlings (over 3m for joist and rafters) - Malabar	cum.	116600.00
M-0139	TW Scantlings (for tiebeams & principal rafters) - Malabar	cum.	114700.00
M-0140	TW Scantlings (over 2m & below 3m in length) - Malabar	cum.	111600.00
M-0141	TW Scantling (below 2m in length) - Malabar	cum.	99400.00
M-0142	TW Planks (over 45cm wide & 12mm thick)	cum.	123100.00
M-0143	TW Planks (30-45cm wide & 12mm thick)	cum.	114300.00
M-0144	TW Planks (30-45cm wide & 12-25mm thick)	cum.	107000.00
M-0145	TW Planks (30-45cm wide & 25-40mm thick)	cum.	102600.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0146	TW Planks (15-30cm wide & 12mm thick)	cum.	99900.00
M-0147	TW Planks (15-30cm wide & 12-25mm thick)	cum.	95000.00
M-0148	TW Planks (15-30cm wide & 25-40mm thick)	cum.	93100.00
M-0149	TW Planks (upto 15cm wide & 12mm thick)	cum.	91300.00
M-0150	TW Planks (upto 15cm wide & 12-25mm thick)	cum.	91300.00
M-0151	TW Planks (upto 15cm wide & 25-40mm thick)	cum.	86200.00
M-0152	Seasoned Teakwood for Scantling and Planks for Heritage Works	cum.	DELETED
	<b>Teak Wood Reepers</b>		
M-0153	TW Reepers 50 x 25mm	RM	76.00
M-0154	TW Reepers 50 x 12mm	RM	61.00
	<b>Country Wood Scantling</b>		
M-0155	CW Scantling (upto 4m in length)	cum.	34300.00
M-0156	CW Scantling (over 4m in length)	cum.	36200.00
M-0157	CW Scantling (for tie beams & principal rafters for trusses)	cum.	36200.00
M-0158	Jack Wood Scantlings (upto 4m)	cum.	37900.00
M-0159	Silver Oak Scantlings	cum.	15500.00
	<b>Country Wood Planks</b>		
M-0160	CW Planks (upto 30cm wide-40mm thick)	cum.	39400.00
M-0161	CW Planks (upto 30cm wide-25mm thick)	cum.	39400.00
M-0162	CW Planks (over 30cm wide-40mm thick)	cum.	39400.00
M-0163	CW Planks (over 30cm wide-25mm thick)	cum.	39400.00
M-0164	JW Planks (25-40mm thick)	cum.	41300.00
M-0165	Silver Oak Plank (40mm thick)	cum.	17600.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0166	Bluegum Plank	cum.	18100.00
	<b>Country Wood Reepers</b>		
M-0167	CW Reepers (50 x 25mm)	RM	34.60
M-0168	CW Reepers (50 x 12mm)	RM	24.90
M-0169	Mango Plank	cum.	16700.00
M-0170	Palmyrah Rafter (50-60mm wide & 125mm depth)	RM	49.50
M-0171	Palmyrah Leaves	100 Nos.	255.00
M-0172	Palmyrah Leaves (labour for cutting)	100 Nos.	40.20
	<b>Casurina Poles</b>		
M-0173	Casurina Poles 13cm-15cm dia	RM	33.00
M-0174	Casurina Poles 10cm-13cm dia	RM	25.20
M-0175	Casurina Poles 8cm-10cm dia	RM	19.20
M-0176	Casurina Poles 5cm-8cm dia	RM	17.50
	<b>Eucalyptus Poles</b>		
M-0177	13cm to 15cm dia	RM	33.00
M-0178	10cm to 13cm dia	RM	23.60
M-0179	8cm to 10cm dia	RM	19.20
M-0180	5cm to 8cm dia	RM	16.40
M-0181	Below 5cm	RM	15.00
M-0182	Eucalyptus Bullies 4cm to 5cm dia and cross ties	RM	12.00
M-0183	Casurina Bullies 4cm-5cm dia & cross ties	RM	13.50
M-0184	Bamboo Large (10cm dia and above)	RM	12.00
M-0185	Bamboo (7.5cm-10cm dia)	RM	10.60

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>E. Metal and Iron Items</b>		
M-0186	Mild Steel Plates or Sheets BG 10	Kg.	53.00
M-0187	Mild Steel Angles 25 x 25 x 3 mm	Kg.	53.00
M-0188	Binding Wire (Black 18 G)	Kg.	56.35
M-0189	Binding Wire (Galvanised-18 G)	Kg.	56.35
M-0190	GI Sheets 30cm wide and 1.6mm thick	sqm.	391.10
M-0191	Weld Mesh 7.5 x 2.5cm 10 Gauge	sqm.	379.90
M-0192	Weld Mesh 7.5 x 5cm 10 Gauge	sqm.	339.60
M-0193	Weld Mesh 10 x 10cm 10 Gauge	sqm.	183.80
M-0194	Chicken Mesh	sqm.	40.65
M-0195	Fly Proof Mesh	sqm.	116.55
M-0196	Supplying Mild Steel Grills for windows, ventilators, etc., including priming coat	Kg.	70.15
	<b>F. Heritage Conservation Materials</b>		
M-2281	Heritage Mangalore Tiles size 10" x 16"	1000 Nos	44000.00
M-2282	ISMB steel girder of all section for roof beams & Columns	Kg.	135.00
M-2283	Bison cement bonded particle Board 10mm thick	sqm.	470.00
M-2284	SBR Chemical Liquid (Synthetic Butadine Rubber polymer) (water proofing compound)	Litre	800.00
M-2285	SBR water proofing sheet 3 to 4mm With Geo Textiles 2 layer	sqm.	700.00
M-2286	Damp Proof chemical using Water based epoxy resin	Kg.	600.00
M-2287	Hydraulic Double pressed fine grinded Interior grade Flooring clay tiles of size 150mm x 150mm x 20mm.	each	18.00
M-2288	Heritage Patterned customized cement based designer tiles of size 200mm x 200mm x 20mm including corner & inner border tiles. The rate includes cost of material but excluding labour charges for laying.	sqm.	4520.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2289	Cleaning cut stones using mild hydrofluoric acid and powder and water pressure	sqm.	350.00
M-2290	Applying lead pointing in Natural stone masonry & Flooring joints 20mm thick.	RM	1000.00
M-2291	White Marble powder for Heritage works	Kg.	75.00
M-2292	Multi Colour glass panes with Antique pattern Hitching ornamental jaffri work 4mm thick	sqm.	1500.00
M-2293	Hire and Running charges for Electrically Operated hoisting machine of capacity 200 - 300 Kg for period of one month	1 No.	4000.00
	<b>Seasoned Teakwood Scantlings and Planks for Heritage Works</b>		
M-2294	Upto 4m length	cum.	185200.00
M-2295	4m to 6m length	cum.	297500.00
	<b>FAT LIME Putty</b> with following Specifications - CaO content more than 90% and lime concentration 60-62% by weight with infinite shelf life when stored under water		
M-2296	Fat Lime	Kg.	16.00
M-2297	Ash	Kg.	9.00
M-2298	Play (Coarse)	Kg.	100.00
M-2299	Play (Fine)	Kg.	120.00
M-2300	Play (Top)	Kg.	80.00
M-2301	(Anti) Paint	Kg.	341.00
M-2302	Pigment	Kg.	950.00
M-2303	Play (Soap)	Kg.	360.00
M-2304	ecoWAX (Protective Coat)	Kg.	490.00
M-2305	Boosters	Kg.	920.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>F. Energy Conservation Building Code (ECBC) Materials</b>		
<b>I</b>	<b>Specification for Burnt Clay Hollow Bricks for Walls</b>		
M-2306	Burnt Clay Hollow Brick (as per IS 3952-1988) with Rockwool Infill for Insulation for Walls, the brick having a size of 400 mm x 200 mm x 200 mm, having U (Thermal transmittance) Value of 0.6 (or lower) W/m <sup>2</sup> K	Nos.	165.00
M-2307	Burnt Clay Hollow Brick (as per IS 3952-1988) for Walls, the brick having a size of 400 mm x 200 mm x 200 mm, having U (Thermal transmittance) Value of 1.00 (or lower) W/m <sup>2</sup> K	Nos.	72.00
M-2308	Burnt Clay Hollow Brick (as per IS 3952-1988) for Walls, the brick having a size of 400 mm x 150 mm x 200 mm, having U (Thermal transmittance) Value of 1.20 W/m <sup>2</sup> K (or lower)	Nos.	60.00
M-2309	Burnt Clay Hollow Brick (as per IS 3952-1988) for Walls and Partition walls, the brick having a size of 400 mm x 100 mm x 200 mm, having U (Thermal transmittance) Value of 1.70 W/m <sup>2</sup> K (or lower)	Nos.	45.00
<b>II</b>	<b>Autoclaved Cellular Aerated Concrete Panel</b>		
M-2310	Supply of 50 mm thick AAC Prefabricated Fibre Reinforced Sandwich Panels having K (Thermal conductivity) value of 0.18 W/m.k or less	sqm.	590.00
M-2311	Supply of 75 mm thick AAC Prefabricated Fibre Reinforced Sandwich Panels having K (Thermal conductivity) value of 0.17 W/m.k or less	sqm.	810.00
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-II – Rates of Materials" is exclusive of all taxes and GST.		
2	* The cost of sand as indicated Unique Code M-0127 & M-0128 is at Government Sand Depot.		
3	For all the materials viz. Bricks and Tile Products, Stone Jelly including ISS and IRC, Gravel, Sand, Lime Stone, etc., necessary incidental charges, loading charges and unloading charges have been included in the basic cost of materials listed above. Hence, no separate incidental charges, loading charges and unloading charges shall be allowed for the above materials.		
4	The following Unique Code of Rates of Materials pertains to Water Resources Department B. STONE AND ROAD MATERIALS Unique Code M-0046 & M-0047, M-0049, M-0053 to M-0057, M-0060 to M-0063 and M-0065 to M-0081		

**ANNEXURE-III**

**III. RATES OF WORKS**

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>A. Clearing the Site</b>		
W-0001	Clearing Heavy Jungle	sqm.	8.58
W-0002	Clearing Light Jungle	sqm.	6.44
W-0003	Clearing Scrub Jungle	sqm.	5.94
W-0004	Uprooting & Removing Large Palmyrah / Coconut Stumps	Each	177.10
W-0005	Uprooting & Removing Small Palmyrah / Coconut Stumps	Each	127.22
W-0007	Cleaning Juliflora Jungle with Uprooting	sqm.	9.79
W-0008	Cleaning Juliflora Jungle without Uprooting	sqm.	7.43
	<b>B. Dismantling</b>		
	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls		
W-0009	Brick / Stone in Clay Walls under 3m high	cum.	75.52
W-0010	Brick / Stone in Clay Walls, add for every additional 3m or part there of over the initial height of 3m	cum.	25.03
W-0011	Mud / Sun Dried Brick Walls under 3m high	cum.	50.60
W-0012	Mud / Sun Dried Brick Walls, add for every additional 3m or part there of over the initial height of 3m	cum.	14.30
W-0013	Brick / Stone Masonry in lime mortar walls under 3m high	cum.	231.00
W-0014	Brick / Stone Masonry in lime mortar walls, add for every additional 3m or part there of over the initial height of 3m	cum.	25.52
W-0015	Brick / Stone Masonry in cement mortar walls under 3m high	cum.	283.14
W-0016	Brick / Stone Masonry in cement mortar walls, add for every additional 3m or part there of over the initial height of 3m	cum.	29.92

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0017	Terracing work in roof or floor	sqm.	76.67
W-0018	Flag Stone in roof or floor including lifting	sqm.	40.43
W-0021	Removal of Cut Stone Slabs / RCC Cover Slabs	sqm.	512.93
W-0022	Refixing Cut Stone Slab / RCC Cover Slab	sqm.	562.76
W-0023	Pantile or Mangalore Tiled Roof without Roof Timbers	sqm.	19.86
W-0024	Flat & Pan Tiles or Manglore Tile over Flat Tiles without roof timbers	sqm.	27.83
W-0025	AC Sheet Roofing without roof timbers	sqm.	17.66
W-0026	Corrugated Iron Sheet Roofing over Pan Tiles without roof timbers	sqm.	29.92
W-0027	Old Thatched Roof including tying materials into small bundles for re-use	sqm.	8.58
W-0028	Wrought and put-up Framed Timbers in roofs / floors	cum.	741.40
W-0029	Doors and Windows including removal of frames, hinges and fastenings	sqm.	153.56
W-0033	Dismantling Lime Concrete	cum.	353.87
W-0034	Dismantling Plain Cement Concrete	cum.	486.20
W-0035	Dismantling RCC by manual / by using deploying machineries	cum.	4308.70
W-0036	Chipping of concrete and roughening the surface	sqm.	40.37
W-0037	Pressed Tiles & Weathering Course	sqm.	45.98
W-0038	One Course of Pressed Tile Roof finish in cement mortar	sqm.	25.52
W-0039	One Course of Terrace Bricks Roof finish in cement mortar	sqm.	29.81
W-0040	Two Course of Flat Tiles Roof finish in cement mortar	sqm.	29.81
W-0041	Mosaic-in-situ finish in cement mortar in flooring and in wall surface	sqm.	63.25
W-0042	Floor finish & dadoing walls in cement mortar with Mosaic Tiles / Glazed Tiles / Clay Tiles / Cuddapah Slabs	sqm.	61.27

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>C. Earth Work</b>		
W-0055	ORDINARY SOIL (SS20B) Earth work excavating and depositing on bank with initial lead of 10m & initial lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth (SS20B)	cum.	82.34
W-0056	Sand and Silt Under Water (SS20B) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Slush and silt under water upto 0.75m depth requiring the aid of basket and vessels (SS20B)	cum.	102.96
W-0061	HGS SS.20.B. Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders SS.20B	cum.	123.26
W-0062	SDR - (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting.	cum.	183.59
W-0063	LOOSE BOULDERS Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in loose boulders in excavation of various size 150mm to 625 mm	cum.	291.61
W-0064	MR-&-DMR (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in medium rock and dense medium rock not requiring blasting	cum.	322.47
W-0065	Extra for every additional 10 metre lead or part thereof over the initial lead	cum.	14.91
W-0066	Extra for every additional 1 metre lift or part thereof over the initial lift	cum.	11.61
W-0074	Refilling with excavated sand complying with standard specification for filling in foundation and basement.	cum.	37.62
W-0075	Refilling with excavated soil (other than sand) complying with standard specification for filling in foundation and basement.	cum.	42.85

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>D. Open Well Excavation</b>		
W-0076	Earth work open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in sand, silt or other loose soil, Wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil - First depth of 2 metre.	cum.	82.34
W-0077	Earth work open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Hard stiff clay, stiff black cotton soil, hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil - First depth of 2 metre	cum.	122.87
W-0078	Earth work open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in soft disintegrated rock, laterite, soft rock or kankar not requiring blasting - First depth of 2 metre	cum.	189.31
W-0079	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Medium rock and dense medium rock not requiring blasting - First depth of 2 metre	cum.	304.81
W-0080	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Medium rock and dense medium rock requiring blasting - First depth of 2 metre	cum.	456.06
W-0081	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Hard granite measured in solid including blasting and stacking - First depth of 2 metre	cum.	893.53
	<b>E. Rate for Earth Work Deploying Machinery</b>		
W-0085	Earth work in all soils except hard rock requiring blasting and conveying for formation of bund with lead of 0 to 100 metre deploying earth moving machinery and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete	cum.	57.59
W-0086	Earth work in all soils except hard rock requiring blasting and conveying for formation of bund with an extra lead of every 100 metre or part thereof deploying earth moving machinery and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete	cum.	4.51

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	Earth work deploying earth moving machinery for desilting channel and forming bund on either side and depositing the earth on banks including jungle clearance etc complete		
W-0087	having width up to 3m	cum.	33.94
W-0088	having width of 3m -10m	cum.	41.64
W-0089	Earth work excavation deploying earth moving machinery for desilting channel having a width of more than 10m and forming bund on either sides and depositing the earth on banks including jungle clearance etc complete	cum.	48.46
	<b>F. LIFT CHARGES - Concrete - Brick or Stone Masonry - Above or Below Ground Level</b>		
	<b>STATEMENT I</b>		
	<b>Concrete - Above Ground Level</b>		
W-0090	Add to the basic rates for works upto 4.50M height in ground floor (height to be reckoned from floor level ie., plinth level in GL)	cum.	131.84
W-0091	Add for works in every upper floor over the rate of preceeding floor	cum.	259.71
	<b>Brick or Stone Masonry - Above GL</b>		
W-0092	Add to the basic rates for works upto 4.50M height in ground floor (height to be reckoned from floor level ie., plinth level in GL)	cum.	86.79
W-0093	Add for works in every upper floor over the rate of preceeding floor	cum.	175.12
	<b>STATEMENT II</b>		
	<b>Concrete - Below Ground Level</b>		
W-0094	Add the basic rate for works 1.50m depth and upto 4.5m depth below ground level	cum.	129.69
W-0095	Add the basic rate for works 4.50m depth and upto 9m depth below ground level	cum.	260.37

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0096	Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level	cum.	260.37
	<b>Brick or Stone Masonry - Below GL</b>		
W-0097	Add the basic rate for works 1.50m depth and upto 4.50m depth below GL	cum.	87.12
W-0098	Add the basic rate for works above 4.50m depth and upto 9.0m depth below GL	cum.	174.79
W-0099	Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level	cum.	174.79
	<b>G. Concrete Vibrators</b>		
W-0100	Where vibrators are specified for consolidation in PCC, this rate per Cu.M over and above the provision made in the standard data book for consolidation with manual labour may be allowed.	cum.	76.78
W-0101	Where vibrators are specified for consolidation in RCC, this rate per Cu.M over and above the provision made in the standard data book for consolidation with manual labour may be allowed.	cum.	103.62
	<b>H. Plastering</b>		
W-0102	Clean removal of lime plaster from walls and racking out joints 20mm deep or from terraced roofs racking out joints 12mm deep	sqm.	10.34
W-0103	Clean removal of lime plaster from walls	sqm.	7.98
W-0104	Clean removal of cement plaster from walls	sqm.	8.47
W-0105	Clean removal of cement plaster from walls and racking out joints 20mm deep	sqm.	11.22
	<b>I. White Washing, Colour Washing &amp; Distempering</b>		
W-0106	Thorough scrapping of old plastered surface	sqm.	4.62
W-0107	Washing of plastered surface with soap, soda and water (or with soda lime, brush and water)	sqm.	5.78

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>J. Painting, Wood Oiling, Tarring, Varnishing, Bee's Waxing Etc.,</b>		
W-0108	Removing old paint from doors and windows by blow lamp and scrapping, including removal and re-fitting of shutters.	sqm.	37.90
W-0109	Removing old paint from doors and windows by scrapping and refitting of shutters.	sqm.	15.95
W-0110	Removing paint from doors, windows & wood works by manual labour	sqm.	10.84
W-0111	Removing old paint from structural steel by blow lamp or sand paper	sqm.	22.72
W-0112	Scrapping and removing old paint from structural steel by manual labour	sqm.	10.01
W-0113	Removing old paint from iron surface with sand paper	sqm.	9.41
W-0114	Repolishing the mosaic flooring including polishing stone and hire charges for polishing machine but excluding cost of electrical charges	sqm.	22.33
	<b>K. Cutting and Threading of GI Pipe</b>		
W-0123	15mm dia GI Pipe Cutting	Each	10.29
W-0124	15mm dia GI Pipe Threading	Each	14.69
W-0125	20mm dia GI Pipe Cutting	Each	10.29
W-0126	20mm dia GI Pipe Threading	Each	14.85
W-0127	25mm dia GI Pipe Cutting	Each	12.32
W-0128	25mm dia GI Pipe Threading	Each	30.86
W-0129	32mm dia GI Pipe Cutting	Each	14.91
W-0130	32mm dia GI Pipe Threading	Each	41.64
W-0131	40mm dia GI Pipe Cutting	Each	20.13
W-0132	40mm dia GI Pipe Threading	Each	46.92

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0133	50mm dia GI Pipe Cutting	Each	25.85
W-0134	50mm dia GI Pipe Threading	Each	52.09
W-0135	65mm dia GI Pipe Cutting	Each	28.05
W-0136	65mm dia GI Pipe Threading	Each	62.98
W-0137	80mm dia GI Pipe Cutting	Each	36.52
W-0138	80mm dia GI Pipe Threading	Each	79.37
W-0139	100mm dia GI Pipe Cutting	Each	52.09
W-0140	100mm dia GI Pipe Threading	Each	105.11
	<b>L. Labour Wrought and Put-up for Doors, Windows &amp; Ventilators</b>	-	
W-0141	Labour wrought and put up in position of frames inclusive of fixing holdfasts for doors, windows and ventilators etc.	cum.	15059.00
W-0142	Labour wrought and put up in position Shutters for fully panelled doors (external or internal) moulded panels including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1690.70
W-0143	Labour wrought and put up in position Shutters for fully panelled doors internal five plywood panels including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1409.10
W-0144	Labour wrought and put up in position Shutters for glazed and panelled doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1579.60
W-0145	Labour wrought and put up in position Shutters for Framed and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1320.00
W-0146	Labour wrought and put up in position Shutters for ledged and braced and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	891.00

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0147	Labour wrought and put up in position Shutters for Glazed windows including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1579.60
W-0148	Labour wrought and put up in position Shutters for Windows panelled including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	1701.70
W-0149	Labour wrought and put up in position Shutters for windows ledged and braced and planked doors including labour charges for fixing furniture fittings complying with standard drawings and standard specification.	sqm.	891.00
W-0150	Labour wrought and put up in position Frames, shutters for Ventilators glazed fixed double frames and with wire netting complete fixed in position in accordance with standard drawings and standard specification.	sqm.	1409.10
W-0151	Labour wrought and put up in position Frames, Shutters for Swing Ventilators and fixed in position in accordance with standard drawings and standard specification.	sqm.	1316.70
W-0152	Labour charges for fixing doors alongwith frames in position etc., complete (finished work)	sqm.	251.35
W-0153	Labour charges for fixing windows and ventilators along with frames in position etc., complete.	sqm.	315.26
	Labour wrought and put up in position Flush shutters		
W-0154	Single leaf shutter	sqm.	235.51
W-0155	Double leave shutters	sqm.	363.22
W-0156	Labour wrought and put up in position fly proof wire gauge shutters for doors, windows and ventilators.	sqm.	907.50
W-0157	Labour wrought and put up for providing teak wood weldmesh screen with frames 3" x 3" (0.075m x 0.075m)	sqm.	1179.20
W-0158	Labour charges for fixing aluminium doors, windows and ventilators	sqm.	805.20

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>M. Cement Mortar</b>		
W-0162	Grinding Mortar (Special Grinding Lime)	cum.	405.02
W-0163	Grinding Mortar (Ordinary Grinding Lime)	cum.	308.66
W-0164	Mixing Mortar - Cement by Manual	cum.	127.60
W-0165	Mixing Mortar - Cement by Machine Mixing	cum.	168.19
	<b>N. Metal and Iron Works</b>		
W-0166	Petty iron work for truss, straps etc., (wrought & fixed) labour only	Kg	60.89
W-0167	Iron works for trusses and record racks (labour only)	Kg	56.27
W-0168	Fixing in position mild steel grills for windows, ventilators, etc.	Kg	35.20
W-0169	Fixing MS rods round / square for windows	Kg	32.62
W-0170	Fixing iron bars in windows and ventilators	Kg	32.62

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>O. Water Proofing</b>		
W-0297	<p><b>Old Terrace Screed Repair with UV Resistant Waterproof coating below 500 Sq.m</b></p> <p>Providing and Applying high performance solar reflective &amp; Acrylate silicon based Waterproofing coating which is single component, cold applied, water based acrylic and UV resistant water proofing treatment to the Existing Roof screed surface applied @ 1.5 l/m<sup>2</sup> in 3 coats to achieve 1mm DFT, having tensile strength 2N/mm<sup>2</sup> confirming to ASTM D 412; Elongation at break ≥ 200%, Abrasion resistance 21mg confirming to ASTM D 4060 and Crack bridging ability up to 2 mm, including surface preparation, priming the surface with 1 coat diluted with water in the ratio 2:1 spreading @ 0.125 L/m<sup>2</sup> as self-priming coat in the SSD condition and spreading 45 gsm glass fibre mesh of 2.5 mm x 2.5 mm sandwiched between the first and second coat completely as per specification. The finished cost to include surface preparation, making coving at Junction, treatment of cracks completely as per specification.</p>	sqm.	629.00
W-0298	<p><b>Old Terrace Screed Repair with UV Resistant Hybrid PU Waterproof coating above 500 Sq.m</b></p> <p>Providing and Applying high strength, hybrid polyurethane Waterproofing coating which is two component, cold applied, water based acrylic and UV resistant water proofing treatment to the Existing Roof screed surface applied @ 1.6 L/m<sup>2</sup> in 3 coats to achieve 1mm DFT, having tensile strength with 45 gsm glass fibre mesh 10N/mm<sup>2</sup>, Elongation ≥ 200%, confirming to ASTM D 2370; Abrasion resistance 15mg confirming to ASTM D 4060 and Crack bridging ability up to 3 mm, including surface preparation, ensure surface in SSD condition for first coat and spreading 45 gsm glass fibre mesh of 2.5 mm x 2.5 mm sandwiched between the first and second coat completely as per specification. The finished cost to include surface preparation, making coving at Junction, treatment of cracks completely as per specification.</p>	sqm.	822.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0299	<p><b>Old Terrace tile surface repair with UV Resistant hybrid waterproofing coating</b></p> <p>Providing and Applying Polyurethane hybrid liquid applied GRIHA certified Waterproofing coating with flutyne protection technology, single component, cold applied, water based acrylic and UV resistant water proofing treatment to the Existing Roof having Tile or any non-porous surface applied @ 1.5 l/m<sup>2</sup> in 2 coats to achieve 1mm DFT, having tensile strength with 45 gsm glass fibre mesh 4N/mm<sup>2</sup> confirming to ASTM D 412; Elongation at break ≥ 300% and Crack bridging ability up to 3mm, SRI Index 106 as per ASTM E 1980-01, Water permeability @5 bar – Nil as per EN12390 - 8:2019, including surface preparation, priming the surface with single component high-performance waterborne tile primer which is suitable for non - porous surface at a rate of 0.14 L/m<sup>2</sup> and spreading 45 gsm glass fibre mesh of 2.5 mm x 2.5 mm sandwiched between the first and second coat completely as per specification. The finished cost to include surface preparation, making coving at Junction, treatment of cracks completely as per specification.</p>	sqm.	892.00
W-0300	<p><b>Old Terrace with Lime mortar/week surface waterproofing with TPO membrane</b></p> <p>Providing and laying 1.5 mm thick TPO Membrane over old terrace having week surface/Lime mortar. The membrane is manufactured using hot-melt extrusion process for complete scrim encapsulation. It is reinforced with a strong, polyester reinforced fabric center (scrim) and a tough thermoplastic polyolefin compounded top ply and the bottom. It should have UV resistant top white colour which has a very high resistance to weather agents and UV rays. TPO membrane shall be plasticizer, chlorine &amp; pthalate free, and should exceed /meet specifications of ASTM D6878. Membrane should be mechanically fixed to the substrate by independent plates and fasteners. TPO Roof Membrane should be lapped and seamed using hot air heat welding equipment after mechanically fastening the overlaps. Membrane should have following minimum properties, Breaking Strength min. 220lbf (976N) as per ASTM D751, Elongation break of reinforcement &gt; 15 % as per ASTM D751, and Tear Strength 55lbf (245N) as per ASTM D751. The finished cost including surface preparation, application of TPO membrane over the 200GSM Geotextile and termination of TPO membrane using 2mm thick aluminium strip sealing with PU sealant at the top of strip completely as per specification.</p>	sqm.	1295.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0301	<p><b>Newly Constructed Bathroom/toilet/balcony/utility with Cementitious Waterproof coating below 300 Sq.m</b></p> <p>Providing and Applying CFTRI approved two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (1 Liquid: 2 Powder), to the RCC surface like bathroom, toilet, balcony &amp; utility area applied @ 1.7kg/m<sup>2</sup> in 2 coats to achieve 1mm DFT, having Elongation at break &gt;50% as per ASTM D 412, Tensile strength &gt;1N/ mm<sup>2</sup> as per ASTM D 412, Adhesion strength: 0.80 N/mm<sup>2</sup> as per ASTM D 4541, crack bridging upto 1mm as per ASTM C 836, Water penetration (5 bar pressure) as per BS EN 12390. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification.</p>	sqm.	376.00
W-0302	<p><b>Newly Constructed Roof/Bathroom/Toilet/balcony/utility with Cementitious Waterproof coating below 500 Sq.m</b></p> <p>Providing and Applying CFTRI approved two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (5 Liquid :7 Powder) to the RCC surface like Roof, bathroom, toilet, balcony &amp; utility area applied @ 2.2kg/m<sup>2</sup> in 2 coats to achieve 1.2mm DFT, having Elongation at break &gt;120% as per ASTM D 412, Tensile strength &gt;1N/ mm<sup>2</sup> as per ASTM D 412, Adhesion strength: 0.80N/mm<sup>2</sup> as per ASTM D 4541, crack bridging upto 2mm as per ASTM C 836. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification.</p>	sqm.	519.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0303	<p><b>Newly Constructed Roof/Podium with 1K PU Waterproof coating upto 2000 Sq.m</b></p> <p>Providing and Applying single component Polyurethane based cold applied seamless waterproofing coating to the RCC surface like Roof &amp; Podium area applied @ 2.4kg/m<sup>2</sup> in 3 coats to achieve 1.5mm DFT, including a prime coat of solvent free, medium viscous, epoxy primer @0.2L/m<sup>2</sup> and protection with 120gsm Geo-textile over the 7 days cured waterproofing membrane. The Waterproofing material shall have Solids &gt; 85%, Tensile strength &gt;2 Mpa as per ASTM D 412, Elongation at break &gt;400% confirms to ASTM C 1305 for crack bridging ability (no cracks up to 3.2mm) Shore A Hardness &gt;55 as per ASTM D 2240, Adhesion to peel after water immersion as per ASTM C 794 at 5.2N. Resistance to root penetration as per UNE CN/ TS 14416. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 60gsm Geo-textile over the angle fillet when the first coat is still wet, treatment of cracks and laying 120GSM Geo-textile as separation/protective layer over the fully cured PU coating completely as per specification.</p>	sqm.	972.00
W-0304	<p><b>Newly Constructed Roof/Podium with 2K PU Waterproof coating above 2000 Sq.m</b></p> <p>Providing and Applying two component Polyurethane based cold applied seamless waterproofing coating to the RCC surface like Roof &amp; Podium area applied @ 2.1kg/m<sup>2</sup> in single coat using 3mm notched trowel to achieve 1.5mm DFT, including a prime coat of solvent free, medium viscous, epoxy primer @0.2L/m<sup>2</sup> and protection with 120gsm Geo-textile over the 7 days cured waterproofing membrane. The Waterproofing material shall have Solids &gt; 98%, Tensile strength &gt;6 Mpa, Elongation at break &gt;600% as per ASTM D 412, crack bridging ability (no cracks up to 3.2mm) confirms to ASTM C 1305, Puncture resistance &gt;300N as per ASTM E154, Shore A Hardness &gt;70 as per ASTM D 2240, Adhesion to peel after water immersion as per ASTM C 794 at 5.2N. Resistance to root penetration. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 60gsm Geo-textile over the angle fillet when the first coat is still wet, treatment of cracks and laying 120GSM Geo-textile as separation/protective layer over the fully cured PU coating completely as per specification.</p>	sqm.	1301.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0305	<p><b>STP (inside) waterproofing with Anticorrosive &amp; Protective Coating</b></p> <p>Providing and Applying two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (5 Liquid :7 Powder) to the RCC surface of the STP tank applied @ 2.2kg/m<sup>2</sup> in 2 coats to achieve 1.2mm DFT, having Elongation at break &gt;120% as per ASTM D 412, Tensile strength &gt;1N/ mm<sup>2</sup> as per ASTM D 412, Adhesion strength: 0.80N/mm<sup>2</sup> as per ASTM D 4541, crack bridging upto 2mm as per ASTM C 836. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification. Followed by applying 15 mm thick dimensionally stable fibrous reinforced cementitious structural grade dual shrinkage Polymer Mortar on as protective plastering @ 29kg/m<sup>2</sup>. The material having Compressive strength of 38 MPa at 28 days as per EN 12190, Adhesive Bond Test, &gt;1.5 Mpa as per EN 1542, followed by Water curing by sprinkling water for 3 times a day for 5- 7 days. followed by applying two component coal tar epoxy-based coating on inside surface of Sewage &amp; Effluent treatment tank @ 0.30 kg/m<sup>2</sup> in 2 coats to achieve a DFT of 200 microns when fully cured. Ensure that this coating is applied over the protective plaster. The material shall have Scratch resistance, for 7kg load as per ASTM : D 7027 - 05, Chemical resistance, immersion in dilute acid alkali &amp; salt solutions – 7 days confirms to ASTM : C 868, Salt Spray resistance confirms to ASTM : B 117.</p>	sqm.	1499.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0306	<p><b>UGT/OHT (inside) waterproofing with Anti-microbial Coating</b></p> <p>Waterproofing: Providing and Applying CFTRI approved two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (5 Liquid :7 Powder) to the RCC surface of the UGT/OHT tank applied @ 2.2kg/m<sup>2</sup> in 2 coats to achieve 1.2mm DFT, having Elongation at break &gt;120% as per ASTM D 412, Tensile strength &gt;1N/ mm<sup>2</sup> as per ASTM D 412, Adhesion strength: 0.80N/mm<sup>2</sup> as per ASTM D 4541, crack bridging upto 2mm as per ASTM C 836. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification. Followed by applying 15 mm thick dimensionally stable fibrous reinforced cementitious structural grade dual shrinkage Polymer Mortar on as protective plastering @ 29kg/m<sup>2</sup>. The material having Compressive strength of 38 MPa at 28 days as per EN 12190, Adhesive Bond Test, &gt;1.5 Mpa as per EN 1542, followed by Water curing by sprinkling water for 3 times a day for 5- 7 days. Followed by applying two component, water-based food grade epoxy resin coating on inside surface of Potable water tank having anti-algae, antifungal, Non-toxic, hygiene cum damp-proof coating Certified by CFTRI as per 21 CFR 175 – 300 of US – FDA, having mixing Ratio (Base: Hardener: Water) – 1:1:1 to be applied @ 0.35 Kg/m<sup>2</sup> in 2 coats. Ensure that this coating is applied over the protective plaster. The Waterproofing material shall have Specific Gravity: 1.2, Water vapor permeance: 244.48 g/m<sup>2</sup>/24 hrs, as per IS 7809/Pt 2/1977, Adhesion strength: 2 N/mm<sup>2</sup> as per ASTM D 4541: 02. The finished cost to include surface preparation completely as per specification</p>	sqm.	1481.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0307	<p><b>Acrylic anti-carbonation coating for New Concrete (Bridges &amp; Flyover)</b></p> <p>Providing and Applying Acrylic anti-carbonation coating on concrete surface, which is single component, cold applied, water based acrylic polymer and Specially formulated to Protect RCC substrate that is directly exposed to atmospheric conditions like UV radiation, heavy rain, industrial pollution &amp; carbonation. Apply without any dilution @ 0.25L/m<sup>2</sup> in 2 coats to achieve DFT of 225 microns, The coating shall have Confirms in accordance with IRC SP:80-2008, Chloride Ion penetration – Concrete Guard (Coulombs) 575 as per ASTM C 1202 : 2019, SRI value of 104 as per ASTM E 1980 : 19 and Crack bridging ability up to 2mm, including priming the surface with 1 coat diluted with water in the ratio 1:1 spreading @ 0.125 L/m<sup>2</sup> as self-priming coat. The finished cost to include surface preparation, treatment of cracks completely as per specification as per the direction of the Engineer In charge.</p>	sqm.	336.00
W-0308	<p><b>Exterior Wall Waterproof cum Decorative Coating</b></p> <p>Providing and Applying high build exterior waterproof coating for external wall, parapet &amp; Chajja, which is single component, cold applied, Reactive Acrylate copolymer technology. Apply one base coat of universal elastomeric exterior waterproof coating @0.25L/m<sup>2</sup> and 2nd coat with Acrylic emulsion top coat which can be tinted to any colour @ 0.17L/m<sup>2</sup>, including 2 coats DFT will be min. 170 microns, The material having followed technical properties: Attains hairline crack bridging up to 2 mm as per EN 1062 part 7, Elongation of &gt;100 % as per ASTMD 412; Tensile strength 2.50 Mpa per ASTM D 412, including priming the surface with 1 coat of Efflorescence resistant penetrating primer dilute with water in the ratio 2:1 spreading at the rate of 0.125 l/m<sup>2</sup> in the SSD condition. The finished cost to include surface preparation, making coving at Junction, treatment of cracks completely as per specification.</p>	sqm.	342.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0309	<p><b>Treating mild Dampness in Interior Walls</b></p> <p>Providing and Applying Acrylic Co Polymer single component specially designed waterproof protective coating that prevents damp patches on walls without any dilution at rate of 0.25kg/m<sup>2</sup> in 2 coats to achieve total dry film thickness of 170 microns DFT. The material having followed technical properties: crack bridging ability up to 1mm as per EN 1062, Tensile strength ≥ 2N/mm<sup>2</sup> as per ASTM D 412, adhesion strength 1.5N/mm<sup>2</sup> as per ASTM D4541. The finished cost including surface preparation completely as per specification.</p>	sqm.	353.00
W-0310	<p><b>Treating Severe Dampness &amp; Rising dampness in Walls</b></p> <p>Providing and Applying two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (5 Liquid :7 Powder) to the RCC surface or walls applied @ 2.2kg/m<sup>2</sup> in 2 coats to achieve 1.2mm DFT, having Elongation at break &gt;120% as per ASTM D 412, Tensile strength &gt;1N/mm<sup>2</sup> as per ASTM D 412, Adhesion strength: 0.80N/mm<sup>2</sup> as per ASTM D 4541, crack bridging upto 2mm as per ASTM C 836. The finished cost to include surface preparation &amp; treatment of cracks completely as per specification. Followed by applying 15 mm thick dimensionally stable fibrous reinforced cementitious structural grade dual shrinkage Polymer Repair Mortar on internal wall damp patches @ 29kg/m<sup>2</sup>. The material having Compressive strength of 38 MPa at 28 days as per EN 12190, Adhesive Bond Test, &gt;1.5 Mpa as per EN 1542, followed by Water curing by sprinkling water for 3 times a day for 5- 7 days. Ensure that removing internal wall plaster up to the brick level. Extend up to minimum 2 feet in wide in excess to the damp patches. clean the effected surface followed by waterproof coating should be applied across the entire surface and apply a coat of spatter dash bond coat over cured coating. The dashing shall consist of (1-part SBR : 1 Part cement: 2 part wash sand) mixed to thick slurry and kept well stirred prior to applying the Polymer Repair Mortar. The finished cost to include surface preparation completely as per specification.</p>	sqm.	1591.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0311	<p><b>Treating Active leakage from Concrete walls</b></p> <p>Providing and grouting with single component Polyurethane Foam injection grout at dripping leakage locations, grout mixed at ratio of 10:1 (10 parts of Resin: 1 part accelerator) at the rate of 0.40kg/nozzle which will foam after reaction with water/ moisture, cream time &lt;20 seconds, rise time &lt;30 seconds, foam expansion more than 30 times. It has a mixed viscosity of &lt;350 cP as per ASTM D 2196. Allow the PU foam grout to cure for 5 -10 mins. Providing and grouting with two component Polyurethane based resin injection grout mixed at ratio of 2:1 (2 parts of Base: 1 part Hardener) which will injected through same nozzle at the rate of 0.30kg/nozzel which gives Adhesion strength &gt;2.5 MPa, Adhesion in wet concrete &gt;1.5MPa, Elongation &gt;80%. It has a mixed viscosity of &lt;350 cP as per ASTM D 2196. The finished cost to include surface preparation, fixing of non-return valve injection packers at dripping leakage locations and damp patch locations, seal the nozzles with polyester resin anchor grout Instant leak plug 0.2kg/nozzle. All the application procedure shall be as per the direction of the Engineer In charge.</p>	Noz- zle	1995.00
W-0312	<p><b>Structural Strengthening with Epoxy Injection Grout</b></p> <p>Providing and grouting with two component low viscous Moisture Insensitive Epoxy Injection Grout to strengthen the structure at cocrete cracks. The material having mixing ratio - (Base : Hardener) - 100:60 (by weight) at the rate of 0.50kg/nozzle, which gives compressive strength of 70N/mm2 in 7days as per BS6319:part 2, Flexural strength of 30N/mm2 in 7days as per BS6319:part 3, Tensile strength of 15N/mm2 in 7days as per BS6319:part 7, epoxy resin based injection grout meets the requirement of BS 6319 &amp; ASTM C 881. The finished cost to include surface preparation, fixing of non-return valve injection packers at concrete cracks, seal the nozzles with polyester resin anchor grout Instant leak plug 0.2kg/nozzle. All the application procedure shall be as per the direction of the Engineer In charge.</p>	Noz- zle	1567.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0313	<p><b>Retaining wall/ UG tank wall (outside) Waterproofing with SBS Membrane</b></p> <p>Providing and laying water proofing treatment to the Retaining wall, water retaining structures outside with fully bonded 1.6mm Thick SBS modified self-adhesive, cross laminated HDPE lining waterproofing membrane, conforming to IS 16471:2017 Type A, requirements of UG waterproofing structures, The SBS membrane shall have Mass per Unit Area &gt; 1.8 Kg/m<sup>2</sup> as per ASTM D 5147, Puncture resistance &gt; 200 N as per ASTM E 154, Elongation &gt; 180% as per ASTM D 412-06, Tensile Strength &gt; 4 Mpa as per ASTM D 412-06, Tear resistance &gt; 20 N/mm as per ASTM D 4073, Hydrostatic pressure &gt; 50M as per DIN 1048. The lap with HDPE membrane shall be 100mm treated with TS tape. followed by the installation of 8-10mm THK polyethylene dimpled drain board having compressive strength &gt; 400kN/m<sup>2</sup> (as per ISO 25619-2). The finished cost includes surface preparation, making coving and a coat of solvent based bituminous primer @ 0.25l/m<sup>2</sup> on entire surface before laying membrane completely as per specification.</p>	sqm.	936.00
W-0314	<p><b>Underground structures waterproofing with HDPE membrane</b></p> <p>Providing and laying water proofing treatment to the Rafts, Below grade slab, Lift pits, water retaining structures with fully bonded 1.5 mm thick HDPE waterproofing pressure sensitive adhesive membrane over PCC before laying raft concrete having higher puncture resistance of 1000N as per ASTM E 154, confirming to BS 8102 &amp; IS 16471:2017, requirements of UG waterproofing structures. Laying adjacent sheets by keeping overlap of 75mm, end overlaps to be treated using double sided tape. The membrane shall have Tensile strength &gt;25 Mpa as per ASTM D 412, Elongation &gt; 500% as per ASTM D 412, Hydrostatic head resistance &gt;70m head of water as per ASTM D 5385, Low Temperature Flexibility: -25 deg C, Peel Adhesion to Concrete &gt;880 N/m as per ASTM D 903 Modified, UV Exposure &gt; 45 Days. The finished cost including surface preparation completely as per specification.</p>	sqm.	786.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0315	<p><b>Expansion Joint Treatment with Seal Tape</b></p> <p>Providing and laying with 1.0 mm thick FPO membrane to seal the expansion joint. The tape having mechanical properties like, Elongation&gt;500%, Tensile Strength &gt;12N/mm<sup>2</sup>, Tear Strength &gt;200N, Water tightness 400 kPa/72hrs confirming to DIN EN 1928-B. Ensure that apply Two part Epoxy Adhesive @ 1.4kg/m to get 1-2mm thick on the prepared surface before placing the tape and after placing seal with same epoxy adhesive which having Bond Strength with concrete 1.5N/mm<sup>2</sup>, Compressive Strength @ 7 days, ≥45N/mm<sup>2</sup> as per BS 6319 Part 2, Tensile Strength @ 7 days, ≥18N/mm<sup>2</sup> as per BS 6319 Part 7, Shear Strength @ 7 days, ≥8N/mm<sup>2</sup> as per BS 6319 Part 4, Flexural Strength @ 7 days, N/mm<sup>2</sup> as per BS 6319 Part 3. The finished cost including surface preparation, filling foam backer rod, applying masking tape on both sides of the joint &amp; polysulphide sealant filling on gap completely as per specification.</p>	RM	1848.00
W-0316	<p><b>Corrugated Metal Sheets waterproofing cum Heat reflective coating</b></p> <p>Providing and applying heat reflective environmental friendly, 100% Pure Acrylic elastomeric waterproof coating on metal sheets. Replace roof fasteners, as required and needed. Sealing up of all lapping joints, gaps, flashing and capping with 2 component PMMA base waterproof Coating @3kg/m<sup>2</sup> including metal primer @.1L/m<sup>2</sup> and fleece at a 150mm wide strip. Preparing the surface by cleaning with a brush and removing the rust using a chloride-free chemical. Apply one coat of anti-corrosive primer at 0.15L/m<sup>2</sup> for GI/ Metal surfaces and apply one coat of solvent-free, medium-viscous, epoxy primer at 0.15L/m<sup>2</sup> for powder-coated surfaces. Apply 2 coats of 100% Pure Acrylic waterproofing coating @ 0.8L/m<sup>2</sup> having Elongation 190% as per ASTM D 412, tensile strength 1.5 N/mm<sup>2</sup>, SRI Index 108 as per ASTM E 1980-01. The finished cost to include surface preparation completely as per specification.</p>	sqm.	1750.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p><b>Expansion Joint filling with Polysulphide sealant upto 30mm width - Horizontal</b></p> <p>Providing and laying with two-part elastomeric fuel resistance, UV resistant, Non-toxic once cured, resistant to flame, pouring grade liquid polysulphide sealant to fill the expansion joint, Control joints in parking area, construction joint in airport runway, Tanks, bridges &amp; concrete roads. The sealant shall have Elongation min. 450% confirms to ASTM D 412, movement accommodation for butt joint 25% &amp; for lap joints 50%. The sealant should meets the requirement of BS 5212, BS 4254 &amp; ISO:11600. Ensure that apply a coat of polysulphide sealant primer @0.5L/m2 to get better adhesion on prepared surface before placing the sealant. The finished cost including surface preparation, filling foam backer rod, applying masking tape on both sides of the joint &amp; polysulphide sealant filling on gap completely as per specification.</p>		
W-0317	30mm Width	RM	453.00
W-0318	20mm Width	RM	302.00
W-0319	10mm Width	RM	151.00
22	<p><b>Expansion Joint filling with Polysulphide sealant upto 30mm width - Vertical</b></p> <p>Providing and laying with two-part elastomeric UV resistant, non-toxic gun grade liquid polysulphide sealant to fill the expansion joint, sealing joints in water retaining structure. The sealant shall have Elongation min. 500% confirms to ASTM D 412, movement accommodation for butt joint 25% &amp; for lap joints 50%. The sealant should meets the requirement of BS 4254 &amp; ISO:12118. Ensure that apply a coat of polysulphide sealant primer @0.5L/m2 to get better adhesion on prepared surface before placing the sealant. The finished cost including surface preparation, filling foam backer rod, applying masking tape on both sides of the joint &amp; polysulphide sealant filling on gap completely as per specification.</p>		
W-0320	30mm Width	RM	545.00
W-0321	20mm Width	RM	363.00
W-0322	10mm Width	RM	182.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>P. ENERGY CONSERVATION BUILDING CODE</b>		
<b>1</b>	<b>EXTRUDED POLYSTYRENE THERMAL INSULATION BOARD (XPS)</b>		
a)	Providing and fixing of External Wall Thermal Insulation using extruded polystyrene rigid foam ship-lap edged, three dimensional closed cell structure Insulation board of required thickness over the plastered/ precast/ Masonry/ levelled brick wall, complying with ASTM C 578 type VI, Chlorofluoro carbons & Hydro chlorofluoro carbons Free, having K (thermal conductivity) value of 0.0289 W/m.K or less as per ASTM C 518, compressive strength of $\geq 350$ kPa at 10% deflection listed as per ASTM D 1621, density not less than 34kg/cum as per ASTM D 1622, water absorption $\leq 0.3\%$ by volume as per ASTM C - 272, oxygen index of 24 as per ASTM D 2863, Fire retardant property as per DIN 4102, Part 1 of class B2 and fixed with cementitious adhesive and fasteners, Level the surface using Glass fiber mesh with Polymer modified cementitious mortar/adhesives. The Protection profile in edges/ corners, etc., complete complying with standard specification.		
W-0323	40mm – U value of 0.72 W/m <sup>2</sup> K	sqm.	2215.00
W-0324	50mm – U value of 0.58W/m <sup>2</sup> K	sqm.	2365.00
W-0325	75mm – U value of 0.39W/m <sup>2</sup> K	sqm.	2750.00
W-0326	100mm – U value of 0.29W/m <sup>2</sup> K	sqm.	3130.00
b)	Providing and fixing of Cavity Wall Thermal Insulation using Extruded polystyrene rigid foam ship-lap edged, three dimensional closed cell structure Insulation board of required thickness between cavity wall, complying with ASTM C 578 type VI, Chlorofluoro carbons & Hydro chlorofluoro carbons Free, having K (thermal conductivity) value of 0.0289 W/m. K or less as per ASTM C 518, compressive strength of $\geq 300$ kPa listed as per ASTM D 1621, density not less than 34kg/cum as per ASTM D 1622, water absorption $\leq 0.3\%$ by volume as per ASTM C - 272, oxygen index of 24 as per ASTM D 2863, Fire retardant property as per DIN 4102, Part 1 of class B2 and fixed with suitable water based adhesive and fastener, etc., complete complying with standard specification.		
W-0327	25mm - U value of 1.12W/m <sup>2</sup> K	sqm.	1030.00
W-0328	40mm – U value of 0.72 W/m <sup>2</sup> K	sqm.	1265.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0329	50mm – U value of 0.58W/m <sup>2</sup> K	sqm.	1415.00
W-0330	75mm – U value of 0.39W/m <sup>2</sup> K	sqm.	1800.00
W-0331	100mm – U value of 0.29W/m <sup>2</sup> K	sqm.	2180.00
c)	<p>Providing and laying Overdeck Thermal Insulation System using Extruded Polystyrene Boards of desired thickness, Chlorofluoro carbons &amp; Hydro chlorofluoro carbons Free, Ship lap edged extruded Polystyrene Thermal Insulation Boards over the Waterproofing and Protection layer as per ASTM C 518 having thermal conductivity of 0.0289 W/mK or less, the Compressive strength at 10% deflection as per ASTM C 1621 not less than 350 kPa, Density should be minimum 34kg/m<sup>3</sup> as per ASTM D 1622, Water absorption % by volume as per ASTM C 272 should be ≤0.3%, Flammability as per DIN 4102, Part- 1 of class B2, which comply with ASTM C 578 Class VI Standard requirements. 300microns thick HDPE sheet and 150 - 200 GSM thick of Polyester / Polypropylene GEO TEXTILE should be laid over the Insulation boards with overlap of 75mm to 100mm wide on the longitudinal and transverse directions. And finished with M20 grade Protection screed with minimum average thickness of 50mm and maintain proper slope and finish etc., as complete complying with standard specification. The cost excludes the rcc &amp; pcc items of works</p>		
W-0332	40mm – U value of 0.72 W/m <sup>2</sup> K	sqm.	1565.00
W-0333	50mm – U value of 0.58W/m <sup>2</sup> K	sqm.	1715.00
W-0334	75mm – U value of 0.39W/m <sup>2</sup> K	sqm.	2100.00
W-0335	100mm – U value of 0.29W/m <sup>2</sup> K	sqm.	2480.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
d)	Supplying and of installation of Underdeck Thermal insulation using Extruded Polystyrene Insulation board with Rigid Closed Cell Chlorofluoro carbons & Hydro chlorofluoro carbons Free, Extruded Polystyrene Insulation Foam Board of desired thickness having thermal conductivity of 0.0289 w/m.K or less including cleaning the surface, fixing board to ceiling by using Polypropylene Fasteners/ Plastic/ PVC Fasteners/ S S Fasteners of suitable size with 50mm diameter of SS/ Plastic/ PVC Disc head. The board shall having Compressive strength over 250 kPa as per ASTM D 1623 and Flammability of class B2 or Class B1 as per DIN 4102, water absorption of $\leq 0.3\%$ as per ASTM D 2842 etc., as complete complying with standard specification.		
W-0336	25mm - U value of 1.12W/m <sup>2</sup> K		1180.00
W-0337	40mm - U value of 0.72W/m <sup>2</sup> K		1415.00
W-0338	50mm-U value of 0.58W/m <sup>2</sup> K		1565.00
<b>2</b>	<b>ENERGY EFFICIENT GLAZING</b>		
a)	Providing, assembling and Supplying of Double Glazed Performance glass, heat Strengthened clear Glass (IGUs) of size and shape as required and specified of approved, comprising of an outer heat strengthened clear glass of following thick of approved colour and shade with reflective soft coating on surface #2 and an inner heat strengthened clear glass of following thick , spacer tube 12mm wide , dessicants, including primary seal and secondary seal ( structural silicon sealant ) etc. all complete for the required performance , as directed by the engineer -in - charge. The heat strengthened clear glass having properties as visible Light transmittance (VLT) of 25 to 35 %, Solar heat gain coefficient less than or equal to 0.27 and U value of 3.0 to 3.3 W/m <sup>2</sup> or lower degree K etc. The IGUs shall be assembled in the factory/ workshop of the glass processor. For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.		
W-0339	6mm+12mm+6mm	sqm.	3100.00
W-0340	6mm+16mm+6mm	sqm.	3200.00
W-0341	8mm+12mm+6mm	sqm.	3600.00
W-0342	8mm+16mm+6mm	sqm.	3700.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0343	8mm+12mm+8mm	sqm.	3900.00
W-0344	8mm+16mm+8mm	sqm.	4000.00
b)	<p>Providing, assembling and supplying of Spandral glass panels, 6mm thick heat Strengthened reflective Glass of approved colour, size and shape as required shade with reflective soft coating on surface #2 etc. all complete for the required performance , as directed by the engineer -in - charge. For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. Note: Spandral glass panels should be provided with minimum 50mm insulation with metal back panel</p>		
W-0345	6mm thick	sqm.	1650.00
c)	<p>Providing, assembling and supplying of Single reflective glass panels, 6mm thick heat Strengthened reflective Glass of approved colour, size and shape as required shade with reflective soft coating on surface #2 etc. all complete for the required performance , as directed by the engineer -in - charge. The heat strengthened reflective glass having properties as minimum visible Light transmittance (VLT) of 35-67% or less, Solar heat gain coefficient less than or equal to 0.35-0.5 or less and U value of 5.0-5.6 W/m<sup>2</sup> K or lower degree etc. Equivalent SHGC should satisfy the ECBC norms. For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.</p>		
W-0346	6mm thick	sqm.	1650.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
d)	Providing, assembling and supplying of laminated glass panels for SKYLIGHT using heat Strengthened clear Glass and toughened glass sandwiched using 1.52PVB layer. The Glass of approved colour, size and shape as required shade all complete for the required performance , as directed by the Engineer - in - Charge. The heat strengthened clear glass having properties as U value of 4.20 to 5.50 W/m2 or lower degree K etc., Solar heat gain coefficient less than or equal to 0.35. The sandwich panels shall be assembled in the factory/ workshop of the glass processor. The certificate obtained from approved agency should be produced for heat soak test for clear glass. For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.		
W-0347	5mm clear glass + 1.52mm PVB + 5mm performance glass	sqm.	3750.00
W-0348	6mm clear glass + 1.52mm PVB + 6mm performance glass	sqm.	4050.00
W-0349	8mm clear glass + 1.52mm PVB + 6mm performance glass	sqm.	4400.00
W-0350	6mm +12mm Airgap+5mm +1.52mm pvb+5mm	sqm.	5300.00
W-0351	5mm +1.52mm pvb+5mm +16mm +5mm +1.52mm pvb+5mm	sqm.	7950.00
W-0352	6mm +1.52mm pvb+6mm 12mm Airgap+6mm	sqm.	5300.00
<b>3</b>	<b>SOLAR REFLECTIVE PAINT (ALONG WITH WATER PROOFING COATING)</b>		
	Providing and Applying of Solar reflective Paint, acrylic polymer based elastometric water proofing coating having Solar Reflective Index more than 90 % as per ASTM E 903, specific Gravity of 1.30+/-0.10.		
W-0353	For Existing Surface: The Surface Preparation including Jet wash , the Cracks are filled wherever required below 3mm of crack and application of three coats of paint to form 1mm thickness	sqm.	338.00
W-0354	For New Surface: The Surface Preparation and application of three coats of paint to form 1mm thickness	sqm.	297.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
4	<b>POLYURETHANE FOAM THERMAL INSULATION PANELS (PUF)</b>		
a)	Providing and Fixing of polyurethane foam as External Wall Thermal insulation panels or Sandwich insulated panels with external 0.50mm total coated thickness pre painted galvalume sheet with micro ribbed profile , whereas internal 0.50mm total coated thickness pre painted galvanized iron sheet with micro ribbed profile and the insulation material will be chlorofluoro carbon and hydro chlorofluoro carbon free , high performance rigid polyurethane foam (PUF) conforming to IS 12436 having density not less than 40±2Kg/M3, Thermal conductivity (K-Value) 0.024 W/m.K measured at 10 degree C mean temperature along with necessary flashings such as L flashing, C flashing etc& accessories such as screws ,fastners ,sealants etc for fixing the panel etc., complete complying with standard specification.		
W-0355	150mm thick PUF external wall panel	sqm.	3615.00
W-0356	120mm thick PUF external wall panel	sqm.	3265.00
W-0357	100mm thick PUF external wall panel	sqm.	3035.00
W-0358	80mm thick PUF external wall panel	sqm.	2805.00
W-0359	60mm thick PUF external wall panel	sqm.	2575.00
W-0360	50mm thick PUF external wall panel	sqm.	2460.00
W-0361	30mm thick PUF external wall panel	sqm.	2230.00
b)	Providing and Fixing of polyurethane foam as Internal Partition Wall Thermal insulation panels or Sandwich insulated panels with both internal and external 0.50mm total coated thickness repainted galvanized iron sheet with micro ribbed profile and the insulation material will be chlorofluoro carbon and hydro chlorofluoro carbon free , high performance rigid polyurethane foam (PUF) conforming to IS 12436 having density not less than 40±2Kg/M3, Thermal conductivity (K-Value) 0.024 W/m.K measured at 10 degree C mean temperature along with necessary flashings such as L flashing, C flashing etc& accessories such as screws ,fastners ,sealants etc for fixing the panel etc., complete complying with standard specification.		
W-0362	150mm thick PUF Internal Partition wall panel	sqm.	3590.00

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0363	120mm thick PUF Internal Partition wall panel	sqm.	3245.00
W-0364	100mm thick PUF Internal Partition wall panel	sqm.	3015.00
W-0365	80mm thick PUF Internal Partition wall panel	sqm.	2780.00
W-0366	60mm thick PUF Internal Partition wall panel	sqm.	2550.00
W-0367	50mm thick PUF Internal Partition wall panel	sqm.	2440.00
W-0368	30mm thick PUF Internal Partition wall panel	sqm.	2205.00
c)	Providing and Fixing of polyurethane foam for Sloped roof as thermal insulation panels or Sandwich insulated panels with external 0.50mm total coated thickness pre painted Galvalume sheet with trapezoidal roofing profile having crest height of 38mm at every 333mm span , whereas internal 0.50mm total coated thickness pre painted galvanized iron sheet with micro ribbed profile and the insulation material will be chlorofluoro carbon and hydro chlorofluoro carbon free , high performance rigid polyurethane foam (PUF) conforming to IS 12436 having density not less than 40±2Kg/M <sup>3</sup> , Thermal conductivity (K-Value) 0.024 W/m.K measured at 10 degree C mean temperature along with necessary flashings such as L flashing, C flashing etc& accessories such as screws ,fastners ,sealants etc for fixing the panel etc., complete complying with standard specification.		
W-0369	120mm(+38mm) thick PUF roof panel	sqm.	3415.00
W-0370	100mm (+38mm) thick PUF roof panel	sqm.	3185.00
W-0371	80mm (+38mm) thick PUF roof panel	sqm.	2940.00
W-0372	60mm (+38mm) thick PUF roof panel	sqm.	2715.00
W-0373	50mm (+38mm) thick PUF roof panel	sqm.	2595.00
W-0374	30mm (+38mm) thick PUF roof panel	sqm.	2365.00

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>Q. FRAME WORK FOR STRUCTURAL GLAZING</b>		
W-0375	<p>Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:</p> <p>(a) Structural analysis &amp; design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation &amp; drainage and protection against fire hazard including:</p> <p>(b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers</p> <p>(c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.....</p>		

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p>(d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.</p> <p>(e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&amp;P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified.</p> <p>The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer- in-Charge.</p> <p>Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this sub- head. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.....</p>		

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p>Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science &amp; Technologies, India. Cost of testing is payable separately.</p> <p>The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NABL accredited lab or any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025</p> <ol style="list-style-type: none"> <li>1. Performance Laboratory Test for Air Leakage Test (-50pa to - 300pa) &amp; (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr</li> <li>2. Static Water Penetration Test. (50pa to 1500pa) as per ASTM E- 331-09 testing method for a range up to 2000 ml.</li> <li>3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01- 05 testing method for a range upto 2000 ml</li> <li>4. Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto 50 mm</li> <li>5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test, Tests to be conducted on site.</li> <li>6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml</li> </ol>	sqm.	2970.5

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0376	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. ( The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose of payment.	Kg	360.50

**Note:**

1	The Basic Rate adopted under this Head, "Annexure-III – Rates of Works" is exclusive of all taxes and GST.
2	The following Unique Code (52 Nos.) of Rates of Works pertains to Water Resources Department A. Clearing the Site - W-0006, B. Dismantling - W-0019 & W-0020, W-0030 to W-0032, C. Quarrying and Blasting - W-0043 to W-0053, D. Earth Work - W-0054, W-0057 to W-0060, W-0067 to W-0073, E. Open Well Excavation - W-0082 to W-0084, L. Miscellaneous - W-0115 to W-0118, M. River Conservancy of Korambu Works - W-0119 to W-0122 and P. Breaking Metals - W-0159 to W-0161

**FOOT NOTE:**

**DISMANTLING**

1	For dismantling 0.75m below ground level 25% extra over the basic rates (i.e. the rates already available in the Schedule of Rates for dismantling is allowed).
2	The rate of dismantling lime concrete, cement concrete and reinforced cement concrete are exclusive of bailing out water charges. The rate is same in all floors.
3	Add 25% extra for cause of restricted partial dismantling in existing structures where extra care is required for safeguarding the main structure.

**EARTH WORK**

1	Standard specification No.20B does not requires breaking clods, ramming, sectioning but require neat banking in accordance with the standard specifications.
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2	Double the relevant rate for standard specification No.20B will apply to excavation in all soils and rock classification given above for foundation of buildings, abutments, piers, wings and returns of bridges, culverts, sluices, regulators and cross masonry works, retaining walls, toe walls, cut-off walls and body walls of anicuts, weirs, retaining walls of causeway, bed dams, trenches for water supply and drainage works for laying pipes and sewers, pits and avenue trees, trial pits and pits for poles and towers and toe wall for revetment.
<b>OPEN WELL EXCAVATION</b>	
1	Upto 2 metre diameter of wall 10% excess will be allowed over the basic rates of open well excavation.
2	The rates do not include bailing charges. The de-watering is to be done departmentally. 10% of cost of excavation shall be allowed for de-watering for estimate purpose. Actuals (or) 10% wherever is less to be allowed for de-watering charges. For any expenditure above this percentage, prior approval of the Superintending Engineer should be obtained.
<b>LIFT CHARGES - CONCRETE - BRICK OR STONE MASONRY ABOVE OR BELOW GROUND LEVEL</b>	
A	Concrete above ground level
B	Brick or Stone Masonry above ground level
	The extra rates as allowed for building works are applicable to the irrigation and road works. The extra rates may be allowed for the structure beyond 1 metre from ground level
A	Concrete below ground level
B	Brick or Stone Masonry below ground level
	The above extra rates are applicable to building, irrigation and road works. The extra rates may be allowed for the structure beyond 1.50 metre from ground level. (The depth is to be reckoned from 1.50 metre below ground level).

**ANNEXURE-IV**

**RATES FOR CONVEYANCE OF MATERIALS BY HEAD LOAD**

<b>Unique Code</b>	<b>Item</b>	<b>Category</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
C-0001	Rough Stone, Broken Stone Jelly, Cut Stone, RCC Slab, Sand-Cement Block, Wooden Scantling, Wooden Plank	Lead: Above 10m and upto 100m	cum.	120.95
C-0002		Lead: Add extra for every additional 100m or part thereof	cum.	50.20
C-0003		Lift: Add extra for every 1m height or part thereof for more than 2m lift	cum.	13.00
C-0004	Lime, Lime Stone, Laterite, Brick Jelly, Earth, Sand, Gravel, Surki, Pond Ash (Wet / Dry), Crushed Stone Sand, Stone Dust	Lead: Above 10m and upto 100m	cum.	64.25
C-0005		Lead: Add extra for every additional 100m or part thereof	cum.	50.20
C-0006		Lift: Add extra for every 1m height or part thereof for more than 2m lift	cum.	9.75
C-0007	Mangalore Tiles	Lead: Above 10m and upto 100m	1000 Nos.	131.05
C-0008		Lead: Add extra for every additional 100m or part thereof	1000 Nos.	65.85
C-0009		Lift: Add extra for every 1m height or part thereof for more than 2m lift	1000 Nos.	16.50
C-0010	Machine Pressed Tiles	Lead: Above 10m and upto 100m	2000 Nos.	131.05
C-0011		Lead: Add extra for every additional 100m or part thereof	2000 Nos.	65.85
C-0012		Lift: Add extra for every 1m height or part thereof for more than 2m lift	2000 Nos.	16.50
C-0013	Hydraulic Pressed Mosaic Flooring Tiles	Lead: Above 10m and upto 100m	1500 Nos.	131.05
C-0014		Lead: Add extra for every additional 100m or part thereof	1500 Nos.	65.85
C-0015		Lift: Add extra for every 1m height or part thereof for more than 2m lift	1500 Nos.	16.50

Unique Code	Item	Category	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
C-0016	Terrace Bricks, Flat Tiles and Pan Tiles	Lead: Above 10m and upto 100m	2500 Nos.	131.05
C-0017		Lead: Add extra for every additional 100m or part thereof	2500 Nos.	65.85
C-0018		Lift: Add extra for every 1m height or part thereof for more than 2m lift	2500 Nos.	16.50
C-0019	Bricks	Lead: Above 10m and upto 100m	1000 Nos.	131.05
C-0020		Lead: Add extra for every additional 100m or part thereof	1000 Nos.	65.85
C-0021		Lift: Add extra for every 1m height or part thereof for more than 2m lift	1000 Nos.	16.50
C-0022	Cement, AC Sheet, Bitumen, Asphalt, Tar	Lead: Above 10m and upto 100m	MT	119.40
C-0023		Lead: Add extra for every additional 100m or part thereof	MT	65.85
C-0024		Lift: Add extra for every 1m height or part thereof for more than 2m lift	MT	13.00
C-0025	Steel	Lead: Above 10m and upto 100m	MT	200.75
C-0026		Lead: Add extra for every additional 100m or part thereof	MT	80.70
C-0027		Lift: Add extra for every 1m height or part thereof for more than 2m lift	MT	16.50
<b>Note:</b>				
1	Fraction of 100 metres to be rounded off to the nearest 100 metres			
2	The rates indicated in the table shall be applicable only to inaccessible places (i.e.) the places wherever the Bullock Carts cannot move [Chief Engineer (General), Memo No. CTO (A) / 38153 / 89, dated 03.02.1989]			
3	For an initial lead of 10 metre and initial lift of 2 metre, no charge towards head load is allowable			
4	The Basic Rate adopted under this Head, "Annexure-IV – Rates of Conveyance of Materials by Head Load" is exclusive of all taxes and GST.			

**ANNEXURE-V**

**CONVEYANCE TABLE**

<b>(A). RATES FOR CONVEYANCE OF MATERIALS BY ROAD IN PLAINS</b>			
<b>Unique Code</b>	<b>Item</b>	<b>Category</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
C-0028	Cement, Steel (1 MT)	<b>Co-efficient</b>	<b>1.00</b>
C-0029		0 - 10 km. (Add for every extra 1 km. and part thereof)	7.36
C-0030		10 - 20 km. (Add for every extra 1 km. and part thereof)	6.30
C-0031		20 - 40 km. (Add for every extra 1 km. and part thereof)	5.42
C-0032		40 - 80 km. (Add for every extra 1 km. and part thereof)	4.66
C-0033		Above 80 km. (Add for every extra 1 km. and part thereof)	4.26
C-0034		Loading Charges	135.50
C-0035		Unloading Charges	135.50
C-0036		Add above extra for inter state works	27.25
C-0037		Lime Stone, Laterite, Brick Jelly, Wood Work, Pond Ash (Wet / Dry), Stone Dust (One cubic metre)	<b>Co-efficient</b>
C-0038	0 - 10 km. (Add for every extra 1 km. and part thereof)		8.08
C-0039	10 - 20 km. (Add for every extra 1 km. and part thereof)		6.92
C-0040	20 - 40 km. (Add for every extra 1 km. and part thereof)		5.97
C-0041	40 - 80 km. (Add for every extra 1 km. and part thereof)		5.15
C-0042	Above 80 km. (Add for every extra 1 km. and part thereof)		4.69
C-0043	Loading Charges		64.65
C-0044	Unloading Charges		64.65
C-0045	Add above extra for inter state works		29.90

Unique Code	Item	Category	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
C-0046	Rough Stone, Bond Stone, Cut Stone, Broken Stone Jelly, Sand, Gravel, Surki, Earth, Crushed Stone Sand (One cubic metre)	<b>Co-efficient</b>	<b>1.60</b>
C-0047		0 - 10 km. (Add for every extra 1 km. and part thereof)	11.79
C-0048		10 - 20 km. (Add for every extra 1 km. and part thereof)	10.08
C-0049		20 - 40 km. (Add for every extra 1 km. and part thereof)	8.67
C-0050		40 - 80 km. (Add for every extra 1 km. and part thereof)	8.13
C-0051		Above 80 km. (Add for every extra 1 km. and part thereof)	6.82
C-0052		Loading Charges	44.25
C-0053		Unloading Charges	44.25
C-0054		Add above extra for inter state works	43.75
C-0055		Third Class Country Bricks (Kiln Burnt) (1000 Nos.)	<b>Co-efficient</b>
C-0056	0 - 10 km. (Add for every extra 1 km. and part thereof)		9.94
C-0057	10 - 20 km. (Add for every extra 1 km. and part thereof)		8.51
C-0058	20 - 40 km. (Add for every extra 1 km. and part thereof)		7.30
C-0059	40 - 80 km. (Add for every extra 1 km. and part thereof)		6.30
C-0060	Above 80 km. (Add for every extra 1 km. and part thereof)		5.76
C-0061	Loading Charges		63.60
C-0062	Unloading Charges		63.60
C-0063	Add above extra for inter state works		36.75

Unique Code	Item	Category	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
C-0064		<b>Co-efficient</b>	<b>1.80</b>
C-0065	Mangalore Tiles	0 - 10 km. (Add for every extra 1 km. and part thereof)	13.26
C-0066	(1000 Nos.),	10 - 20 km. (Add for every extra 1 km. and part thereof)	11.35
C-0067	Machine Pressed Tiles	20 - 40 km. (Add for every extra 1 km. and part thereof)	9.76
C-0068	(2000 Nos.),	40 - 80 km. (Add for every extra 1 km. and part thereof)	8.41
C-0069	Hydraulically Pressed	Above 80 km. (Add for every extra 1 km. and part thereof)	7.68
C-0070	Mosaic Flooring Tiles	Loading Charges	63.60
C-0071	(1500 Nos.)	Unloading Charges	63.60
C-0072		Add above extra for inter state works	49.15
C-0073		<b>Co-efficient</b>	<b>2.25</b>
C-0074		0 - 10 km. (Add for every extra 1 km. and part thereof)	16.57
C-0075	Bricks II Class Chamber	10 - 20 km. (Add for every extra 1 km. and part thereof)	14.19
C-0076	Burnt Bricks (Table Moulded / Ground Moulded),	20 - 40 km. (Add for every extra 1 km. and part thereof)	12.19
C-0077	Fly Ash Bricks (1000 Nos.)	40 - 80 km. (Add for every extra 1 km. and part thereof)	10.52
C-0078		Above 80 km. (Add for every extra 1 km. and part thereof)	9.60
C-0079		Loading Charges	63.60
C-0080		Unloading Charges	63.60
C-0081		Add above extra for inter state works	61.70
<b>Note:</b>			
1	The above rates do not include stacking charges [as per Circular Memo No. 230 Wks. IV (2) / 62-3, dated 10.06.1962 of Chief Engineer (General)].		
2	For conveyance of materials on cart track, allow 20% extra over the above rates excluding loading and unloading charges.		
3	For sandy and slusly soil tracks, add 50% extra over the above rates excluding loading and unloading charges.		
4	The quantity for payment towards conveyance of earth covered under co-efficient 1.60 is for the pit measured quantity at the site of excavation only.		

5	For conveyance of laterite, broken stone jelly, etc., through lorries, the rates provided are for the volume with voids.
6	For all materials which finds place in all the co-efficients above, necessary incidental charges, loading charges and unloading charges have been included already under their basic cost furnished below the head "Rates of Materials" itself. Hence, no separate incidental charges, loading and unloading charges shall be allowed for the above materials.
7	The Basic Rate adopted under this Head, "Annexure-V - (A). Rates of Conveyance of Materials by Road in Plains" is exclusive of all taxes and GST.

**ANNEXURE-V**

**CONVEYANCE TABLE**

**(B). RATES FOR CONVEYANCE OF MATERIALS BY ROAD IN HILLS**

<b>Unique Code</b>	<b>Item</b>	<b>Category</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
C-0082	Cement, Steel (1 MT)	<b>Co-efficient</b>	<b>1.00</b>
C-0083		0 - 10 km. (Add for every extra 1 km. and part thereof)	14.72
C-0084		10 - 20 km. (Add for every extra 1 km. and part thereof)	12.60
C-0085		20 - 40 km. (Add for every extra 1 km. and part thereof)	10.84
C-0086		40 - 80 km. (Add for every extra 1 km. and part thereof)	9.32
C-0087		Above 80 km. (Add for every extra 1 km. and part thereof)	8.52
C-0088		Lime Stone, Laterite, Brick Jelly, Wood Work, Pond Ash (Wet / Dry), Stone Dust (One cubic metre)	<b>Co-efficient</b>
C-0089	0 - 10 km. (Add for every extra 1 km. and part thereof)		16.16
C-0090	10 - 20 km. (Add for every extra 1 km. and part thereof)		13.84
C-0091	20 - 40 km. (Add for every extra 1 km. and part thereof)		11.94
C-0092	40 - 80 km. (Add for every extra 1 km. and part thereof)		10.30
C-0093	Above 80 km. (Add for every extra 1 km. and part thereof)		9.38
C-0094	Rough Stone, Bond Stone, Cut Stone, Broken Stone Jelly, Sand, Gravel, Surki, Earth, Crushed Stone Sand (One cubic metre)		<b>Co-efficient</b>
C-0095		0 - 10 km. (Add for every extra 1 km. and part thereof)	23.58
C-0096		10 - 20 km. (Add for every extra 1 km. and part thereof)	20.16
C-0097		20 - 40 km. (Add for every extra 1 km. and part thereof)	17.34
C-0098		40 - 80 km. (Add for every extra 1 km. and part thereof)	16.26
C-0099		Above 80 km. (Add for every extra 1 km. and part thereof)	13.64

<b>Unique Code</b>	<b>Item</b>	<b>Category</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
C-0100	Third Class Country Bricks (Kiln Burnt) (1000 Nos.)	<b>Co-efficient</b>	<b>1.35</b>
C-0101		0 - 10 km. (Add for every extra 1 km. and part thereof)	19.88
C-0102		10 - 20 km. (Add for every extra 1 km. and part thereof)	17.02
C-0103		20 - 40 km. (Add for every extra 1 km. and part thereof)	14.60
C-0104		40 - 80 km. (Add for every extra 1 km. and part thereof)	12.60
C-0105		Above 80 km. (Add for every extra 1 km. and part thereof)	11.52
C-0106	Mangalore Tiles	<b>Co-efficient</b>	<b>1.80</b>
C-0107	(1000 Nos.),	0 - 10 km. (Add for every extra 1 km. and part thereof)	26.52
C-0108	Machine Pressed Tiles	10 - 20 km. (Add for every extra 1 km. and part thereof)	22.70
C-0109	(2000 Nos.),	20 - 40 km. (Add for every extra 1 km. and part thereof)	19.52
C-0110	Hydraulically Pressed	40 - 80 km. (Add for every extra 1 km. and part thereof)	16.82
C-0111	Mosaic Flooring Tiles (1500 Nos.)	Above 80 km. (Add for every extra 1 km. and part thereof)	15.36
C-0112	Bricks II Class Chamber Burnt Bricks (Table Moulded / Ground Moulded), Fly Ash Bricks (1000 Nos.)	<b>Co-efficient</b>	<b>2.25</b>
C-0113		0 - 10 Km (Add for every extra 1 Km and part thereof)	33.14
C-0114		10 - 20 Km. (Add for every extra 1 Km and part thereof)	28.38
C-0115		20 - 40 Km. (Add for every extra 1 Km and part thereof)	24.38
C-0116		40 - 80 Km. (Add for every extra 1 Km and part thereof)	21.04
C-0117		Above 80 Km. (Add for every extra 1 Km and part thereof)	19.20

<b>Note:</b>	
1	The above rates do not include stacking charges [as per Circular Memo No. 230 Wks. IV (2) / 62-3, dated 10.06.1962 of Chief Engineer (General)].
2	For conveyance of materials on cart track, allow 20% extra over the above rates excluding loading and unloading charges.
3	For sandy and slusly soil tracks, add 50% extra over the above rates excluding loading and unloading charges.
4	The quantity for payment towards conveyance of earth covered under co-efficient 1.60 is for the pit measured quantity at the site of excavation only.
5	For conveyance of laterite, broken stone jelly, etc., through lorries, the rates provided are for the volume with voids.
6	For all materials which finds place in all the co-efficients above, necessary incidental charges, loading charges and unloading charges have been included already under their basic cost furnished below the head "Rates of Materials" itself. Hence, no separate incidental charges, loading and unloading charges shall be allowed for the above materials.
7	The Basic Rate adopted under this Head, "Annexure-V – (B). Rates of Conveyance of Materials by Road in Hills" is exclusive of all taxes and GST.

**ANNEXURE-VI**

**RATES OF OTHER CONSTRUCTION MATERIALS**

<b>Note:</b>	<b>No extra on cost, conveyance charges shall be allowed for all the items included under this category. The rates approved therein are applicable at site of work</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0197	Water Proofing Compound	Kg	42.70
M-0198	Mild Steel Flats of all sizes	Kg	52.10
M-0199	Mild Steel Square Rods of all sizes	Kg	52.10
	First Quality Design Ceramic Tiles of all Colours		
M-0200	305mm x 305mm x 6mm	Each	49.00
M-0201	200mm x 200mm x 6mm	Each	21.50
M-0202	200mm x 100mm x 6mm	Each	11.60
	First Quality Plain Ceramic Tiles of all colours		
M-0203	305mm x 305mm x 6mm	Each	35.15
M-0204	200mm x 200mm x 6mm	Each	15.70
M-0205	200mm x 100mm x 6mm	Each	8.00
M-0206	Joint free Rectified Glazed Ceramic Flooring Tiles 305 x 305 x 8mm	Each	57.80
	Solar Reflective Ceramic Tiles of size		
M-0207	305mm x 305mm x 7mm thick	sqm.	506.00
M-0208	305mm x 240mm x 6mm thick	sqm.	418.00
M-0209	Dadoing Ceramic Tiles of size 300mm x 450mm x 8mm	Each	62.40
M-0210	Dadoing Ceramic Tiles of size 300mm x 600mm x 10mm	Each	92.70
	First Quality White Glazed Tiles		
M-0211	150mm x 150mm x 6mm	Each	8.30
M-0212	100mm x 200mm x 6mm	Each	7.25

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	First Quality Colour Glazed Tiles		
M-0213	150mm x 150mm x 6mm	Each	9.65
M-0214	100mm x 200mm x 6mm	Each	8.30
	First Quality Colour Glazed Tiles with Printed Design		
M-0215	150mm x 150mm x 6mm	Each	11.40
M-0216	100mm x 200mm x 6mm	Each	10.25
M-0217	Colour Designed Glazed Tiles 300 x 200 x 6mm	Each	30.80
M-0218	Stain Free Nano Polish Vitrified Tiles 600 x 600 x 8mm	sqm.	658.00
M-0219	Double Charged Vitrified Tiles 600 x 600 x 8mm	sqm.	982.00
M-0220	Double Charged Vitrified Tiles 800 x 800 x 10mm	sqm.	1253.00
M-0221	Pre-polished Concrete Anti-Skid Step Tiles of 20mm thick	sqm.	653.00
	Rubber Moulded Hydraulic Pressed Paver Block		
M-0222	83mm thick	sqm.	552.00
M-0223	63mm thick	sqm.	459.00
	TAMIN Paver Block of size – Supply at site		
M-0224	60mm thick	sft.	51.50
M-0225	80mm thick	sft.	61.60
M-0226	Tactile Paver Type of New Tek BT Yellow Colour Ceramic Tiles of size 305 x 305 x 15mm for Vision Impairment Person	sqm.	2040.00
M-0227	Providing and filling the tile joint with epoxy grout with following specification: Surface preparation including cleaning the joint to be free from dust and loose particles. Providing masking tape on either side of the tile joint edges and providing sealing the tile gap with epoxy tile joint grout and finishing neatly and as directed by the departmental officers. The rate inclusive of cost of materials and labour, etc., complete.	sqm.	438.00
M-0228	SRC Cement (Sulphate Resistant Cement)	50 Kgs. / Bag	311.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0229	Slag Cement	50 Kgs. / Bag	279.00
M-0230	White Cement	Kg	22.60
M-0231	Colour Cement (White Cement mixed with Colouring Pigments)	Kg	27.25
M-0232	Multi-Colour Marble Chips of all grades / sizes	Bag	91.10
	White Marble Slab (Adanga) 18mm to 20mm Thick		
M-0233	4'0" x 2'0" and above	sqm.	1403.00
M-0234	2'0" x 2'0" or 2'0" x 1'0" or 1'0" x 1'0"	sqm.	700.00
	Granite Tiles - (Superfine Polished with Machine Cut Edges) of size 2'0" x 1'0" or 1'0" x 1'0" or 1'0" x 0'6" of 10 mm thick		
M-0235	Jet Black	sqm.	886.00
M-0236	Ruby Red, Raw Silk	sqm.	793.00
M-0237	Sinthetic Grey, Paradise and similar varieties	sqm.	749.00
	Granite Slabs (Super Fine Polished with Machine Cut Edges) of sizes 4'x2' and above 18mm to 20mm thick		
M-0238	Jet Black	sqm.	1737.00
M-0239	Ruby Red, Raw Silk	sqm.	1626.00
M-0240	Sinthetic Grey, Paradise and similar varieties	sqm.	1462.00
M-0241	Fine Polished Steel Grey Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	1512.00
M-0242	Fine Polished Blue Pearl Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	7571.00
M-0243	Flamed Steel Grey Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	1832.00
M-0244	Flamed Ruby Red Granite Slab 1200mm x 600mm, 16mm to 18mm Thick	sqm.	1946.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	Nosing for Granite Slab		
M-0245	Single Nosing	RM	195.70
M-0246	Double Nosing	RM	370.25
M-0247	Grooving the Granite Slab	RM	303.00
M-0248	Polished Shahabad Stone Slabs 20mm thick with Machine Cut Edges of size <b>below 2'0" x 2'0"</b>	sqm.	318.00
M-0249	Polished Shahabad Stone Slabs of 20mm thick with Machine Cut Edges of size <b>2'0" x 2'0" and above</b>	sqm.	376.00
M-0250	Polished Rajasthan Kota Stone Slabs of 20mm thick with Machine Cut Edges of size <b>below 2'0" x 2'0"</b>	sqm.	484.00
M-0251	Polished Rajasthan Kota Stone Slabs of 20mm thick with Machine Cut Edges of size <b>2'0" x 2'0" and above</b>	sqm.	550.00
	Dolphur Stone Slabs - Semi Polished with Machine Cut Edges of all sizes		
M-0252	40mm thick	sqm.	420.00
M-0253	20mm thick	sqm.	381.00
M-0254	PVC Trims (Beading)	RM	95.40
M-0255	Terracota Jally of size 20 x 20 x 0.75mm	Each	38.95
M-0256	Aluminium Strips of size 40mm wide x 1.5mm thick	RM	36.60
M-0257	Brass Strips of size 40mm wide x 1.5mm thick	RM	69.15
M-0258	Glass Strips of size 40mm wide and 4mm thick	RM	15.65
M-0259	Marblex Tiles 3mm thick	sqm.	696.00
M-0260	Red Oxide - Superior quality for floor finish	Kg	145.20
M-0261	Decorative Pressed Tiles of 12mm thick of all sizes and shapes	sqm.	1075.00
M-0262	Exterior Emulsion Paint - Water Based Primer (Liquid)	Litre	151.30

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0263	Alkali Resistant Distemper Primer	Litre	135.60
M-0264	Sandtex Matt	Litre	158.00
M-0265	Vinaratex or Equivalent Textured Coat	sqm.	203.90
M-0266	Best Lac Polish / French Polish	Litre	264.10
M-0267	Varnish	Litre	271.20
M-0268	Cotton Waste	Kg	10.40
M-0269	Cement Based Hydraulically Pressed Anti skid Tiles (Pattern Design) - 20mm thick	sqm.	525.00
M-0270	Marble Powder	Kg	4.54
	<b>Polishing Stone</b>		
M-0271	Rough	Each	67.00
M-0272	Medium	Each	89.50
M-0273	Fine / Nice	Each	102.70
M-0274	Oxalic Acid	Kg	38.75
M-0275	Tupentine	Litre	23.70
M-0276	Mansion polish	400 gram	149.15
M-0277	Poly Sulphide	Kg	177.00
M-0278	Primer for Expansion Joints	Kg	152.20
M-0279	Filler Material	sqm.	145.20
M-0280	Bond Breaker	RM	3.73
M-0281	Bentonite Powder for construction quality	Kg.	6.05
M-0282	PVC Water Bar 150mm wide with Single Bulb	RM	299.80
M-0283	Plain GI Sheet 0.8mm thick (22 Gauge)	sqm.	364.60
M-0284	Phil Plug	Each	5.05

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>GI Screws</b>		
M-0285	30mm x 6mm	Each	1.28
M-0286	19mm x 6mm	Each	0.81
M-0287	GI Limpet / Cup Washers	Each	1.89
M-0288	Bitumen Washers 15mm dia	Each	1.13
M-0289	Asbestos Cement Pipe - 100mm dia	3 RM	144.10
M-0290	AC Shoe - 100mm dia	Each	45.70
M-0291	AC Bend - 100mm dia	Each	52.30
M-0292	AC Cylindrical Cowl - 100mm dia	Each	78.45
M-0293	CI Brackets for AC Pipe 100mm dia	Each	20.05
M-0294	CI Grating - 100mm dia	Each	32.10
M-0295	Asbestos Cement Fully Corrugated Sheet - 6mm thick	sqm.	189.65
	<b>Asbestos cement plain sheet</b>		
M-0296	6mm thick	sqm.	170.15
M-0297	4mm thick	sqm.	117.85
M-0298	Supplying and fixing Shade Net (Green Net) for under construction of high rise building	sqm.	67.25
M-0299	Asbestos Cement Adjustable Ridges	Pair	196.45
M-0300	GI "J" or "L" Bolts with Nuts 6mm dia	Each	3.91
M-0301	Steel - Special Extruded Sections for Steel Windows and Ventilators conforming to ISS 7452 / 1990 including fabrication charges	Kg	69.60
	CRCA Pressed Steel Box Section 18 Gauge or 1.25mm thick for Door Frames including providing holes and fixing wooden blocks for fixing furniture and fittings		
M-0302	With one coat of Red Oxide priming coat	RM	360.00
M-0303	With Powder Coated Primer	RM	383.80

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	Aluminium Extruded Sections (for Doors, Windows, Ventilartors, Partitions, False Ceiling etc) including charges for anodising for 15 micron thickness		
M-0304	Natural Colour Matt Finish	Kg	325.00
M-0305	With Powder Coating of any colours	Kg	347.70
M-0306	Alumminium Extruded Box Section for Staircase Hand Rails including charges for anodising for 15 micron thickness - Natural colour matt finish	Kg	390.90
M-0307	Rubber Beading for Aluminium Glazed Doors	RM	38.25
M-0308	Rubber Beading for Aluminium Glazed windows	RM	29.05
M-0309	PVC / Woollen Felt for Aluminium Doors 6mm thick	RM	7.95
M-0310	Pivot for Aluminium Door	Set	160.70
M-0311	Hydraulic Door Closer of various sizes of approved quality using Aluminium Extruded Section Body Tubular Type Universal Hydraulic Door Closer with Double Speed Adjustment like HARDWYN (make) 'GAZEL' (or) Equivalent (with ISI Monogram)	Each	1008.00
M-0312	Hydraulic Floor Springs of various sizes, Double Acton Hydraulic Floor Spring of approved quality, brand, manufacture asper BIS Standards for doors including cost of cutting floors as required, embedding in to floors and stainless steel cover plates with aluminium pivot and single piece MS sheet outer box with side plate etc., capable of taking upto 130 kg. weight from door shutter, like HARDWYN make (U-32) or its Euivalent with ISI monogram.	Each	2095.00
M-0313	Lock for Aluminium Doors	Each	284.50
M-0314	Lock for Aluminium Sliding Windows	Each	71.10
M-0315	Aluminium Grill of Standard Pattern (Diamond Shape) - 10mm thick including 'F' (or) 'H' Section	sqm.	2079.00
M-0316	Aluminium Grill of Standard Pattern (Diamond Shape) - 6mm thick including 'F' (or) 'H' Section	sqm.	1679.00
M-0317	Bolts and Nuts 10mm dia for False Ceiling	Each	5.65
M-0318	Rawl Plugs for False Ceiling	Each	9.50

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0319	PVC Roller for Sliding Windows	Each	14.60
M-0320	Synthetic Resin - Fevicol or Equivalent (Phenol Formal Dehide Based Resin)	Kg	199.75
	Steel Door / Window Fittings		
M-0321	200mm length Hold Fast	Each	168.00
M-0322	300mm Hinges (Heavy Duty)	Each	117.60
M-0323	250mm length Tower Bolt	Each	128.80
M-0324	250 x 16mm Aldrop	Each	235.30
M-0325	200mm MS Handles (Heavy Duty)	Each	84.00
M-0326	Window Stay	Each	156.90
M-0327	Stopper and Handle	Each	145.70
	Butt Hinges with Nylon Washers of various sizes of Length and Width (with required screws)		
M-0328	125mm x 30mm	Each	89.60
M-0329	100mm x 30mm	Each	71.90
M-0330	75mm x 30mm	Each	49.35
M-0331	50mm x 30mm	Each	39.85
	Brass Hinges		
M-0332	125mm x 30mm	Each	214.10
M-0333	100mm x 30mm	Each	183.60
M-0334	75mm x 30mm	Each	152.60
M-0335	50mm x 30mm	Each	127.45
	Tower Bolts of various lengths and diametre (with required screws)		
M-0336	400mm long and 12mm dia	Each	169.60
M-0337	300mm long and 12mm dia	Each	130.50

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0338	250mm long and 12mm dia	Each	97.85
M-0339	200mm long and 12mm dia	Each	82.25
M-0340	150mm long and 12mm dia	Each	64.80
M-0341	100mm long and 10mm dia	Each	57.00
M-0342	75mm long and 10mm dia	Each	39.70
	<b>Brass Tower Bolts</b>		
M-0343	400mm x 12mm	Each	1020.00
M-0344	300mm x 12mm	Each	764.00
M-0345	200mm x 12mm	Each	540.00
M-0346	150mm x 12mm	Each	408.00
M-0347	100mm x 10mm	Each	326.00
M-0348	75mm x 10mm	Each	204.00
	<b>Aldrops of following lengths and diametre with required screws, bolts and nuts</b>		
M-0349	300mm long and 16mm dia	Each	209.90
M-0350	250mm long and 16mm dia	Each	181.00
M-0351	200mm long and 16mm dia	Each	122.50
M-0352	200mm long and 12mm dia	Each	101.60
	<b>Brass Aldrops</b>		
M-0353	300mm x 16mm	Each	968.00
M-0354	250mm x 16mm	Each	836.00
M-0355	200mm x 16mm	Each	714.00
M-0356	200mm x 12mm	Each	510.00
	<b>Handles "D" type of various sizes with required screws</b>		

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0357	200mm long	Each	64.25
M-0358	150mm long	Each	57.65
M-0359	100mm long	Each	35.30
	Ornamental Handles of various sizes with required screws		
M-0360	200mm long	Each	165.80
M-0361	150mm long	Each	110.40
M-0362	100mm long	Each	60.90
	Brass Ornamental Handles		
M-0363	200mm	Each	396.90
M-0364	150mm	Each	254.50
M-0365	100mm	Each	182.80
M-0366	Aluminium Door Stopper with Rubber Bush with required screws	Each	49.55
M-0367	Rubber Bush - 40mm dia and 60mm long with required screws	Each	23.10
	Mortice Lock (Godrej or Equivalent) with required screws with 3 Keys		
M-0368	With Night latch	Each	540.00
M-0369	Without Night latch	Each	400.00
M-0370	Wire Nails	Kg	64.00
	Teakwood Beading		
M-0371	15mm x 12mm	RM	15.45
M-0372	35mm x 12mm	RM	39.00
	Teakwood Beading (Ordinary)		
M-0373	30mm x 12mm	RM	32.50
M-0374	25mm x 12mm	RM	26.05

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	Teakwood Beading - Ornamental / Design		
M-0375	40mm x 12mm	RM	91.50
M-0376	40mm x 15mm	RM	104.80
M-0377	25mm x 12mm	RM	71.70
M-0378	15mm x 12mm	RM	49.15
M-0379	Medium Density Fibre (MDF) Board - Exterior Grade, both sides pre-lamiated including external lipping with kiln dried soft wood 35mm thick	sqm.	2180.00
M-0380	Medium Density Fibre (MDF) Board - Exterior Grade - both sides pre-laminated, 12mm thick	sqm.	1050.00
	MDF Board Exterior Grade - Plain including external lipping with kiln dried soft wood		
M-0381	35mm thick	sqm.	1777.00
M-0382	30mm thick	sqm.	1641.00
	Medium Density Fibre (MDF) Board 12mm thick Exterior Grade with Melamine finish		
M-0383	One Side Melamine Finish	sqm.	1111.00
M-0384	Both Sides Melamine Finish	sqm.	1251.00
	Medium Density Fibre (MDF) Board - Exterior Grade - Plain with teakwook external lipping around		
M-0385	35mm thick	sqm.	1914.00
M-0386	30mm thick	sqm.	1698.00
M-0387	Solid Core Flush Shutters with teakply on both side with teakwook lipping around 35mm thick	sqm.	2255.00
M-0388	Solid Core Flush Shutters with teakply on one side and commercial ply on other side with teak wook lipping around 35mm thick	sqm.	1982.00
M-0389	Solid Core Flush shutters with commercial ply on both side with teakwook lipping around 35mm thick	sqm.	1698.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0390	Providing Cup-board Shutter with frame using termite / water proof plywood of 19mm thick over which laminated sheet of 0.8mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc., as directed by the Departmental Officers. The design pattern, water proof plywood, laminate sheet and other materials should be got approved from the Executive Engineer before use on work.	sqm.	5047.00
	Solid PVC Door Shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC Sheets. Shutter using 5mm thick solid PVC Sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm with suitable rebate for housing the shutter		
M-0391	Solid panel PVC door with frame	sqm.	3325.00
M-0392	Solid Panel PVC Door without Frame	sqm.	2800.00
M-0393	Supplying and fixing of PVC Sliding Door with Roller	sqm.	3562.00
M-0394	FRP Door Sutter with FRP Door Frames made out of FRP Sheets of 3mm thick of over all size 65mm x 50mm with rebate suitably reinforced using MS Angle / Flats, cost of holdfasts and Solid Core FRP Shutter Panel of 5mm thick and hollow core frames of 3m wall thickness for styles and rails etc., of sizes specified by Engineers	sqm.	3996.00
M-0395	Excluding door frames	sqm.	3069.00
M-0396	PVC Panelled door Shutters Hollow Type - 200mm x 20mm panels with 1mm wall thickness for panels and styles and rails of suitable size with 2mm wall thickness suitably reinforced using MS Angle / Flat including cost of necessary aluminium hinges and other furniture fittings	sqm.	2135.00
M-0397	Excluding Door Frames	sqm.	1803.00
M-0398	RCC Door Frame of 100mm x 65mm cross sectional size with necessary rebate for housing the shutters, manufactured with cement concrete of grade not less than M20 using 10mm and below graded stone jelly and using steel reinforcement as per CE (B) Circular instructions	RM	279.70

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0399	Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1mm thick) of size 100mm x 60mm with a rebate of 30 / 35mm x 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel Hold fast etc	RM	918.00
M-0400	Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1.6mm thick) of size 100mm x 60mm with a rebate of 30 / 35mm x 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel hold fast etc	RM	1241.00
	Supplying and Erecting Pull and Push Type Rolling Shutter with ISI make of approved size and section using 18 GI sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of hood covers, transportation charges etc		
	ROLLING SHUTTERS (WITH ISI MONOGRAM)		
M-0401	Manually Operated (up to 8 sqm. Area)	sqm.	2171.00
M-0402	Gear Operated Type (from 8 sqm. to 12 sqm. Area)	sqm.	2419.00
M-0403	Electrically Operated Type (exceeding 12 sqm. Area)	sqm.	2626.00
	ROLLING GRILLS (WITH ISI MONOGRAM)		
M-0404	Manually Operated (up to 8 sqm. Area)	sqm.	2213.00
M-0405	Gear Operated Type (from 8 sqm. to 12 sqm. Area)	sqm.	2492.00
M-0406	Electrically Operated Type (exceeding 12 sqm. Area)	sqm.	2770.00
M-0407	Barbed Wire - 10 Gauge - Two Ply and Four Pronged (Galvanised)	1 Kg or 6 RM	62.10
M-0408	Chain Link - 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes)	sqm.	160.25
M-0409	Pin Headed / Fluted / Figured Glass 3mm thick	sqm.	226.60
M-0410	Plain Glass - 4mm thick	sqm.	306.90
M-0411	Plain Sheet Glass - 5.5mm thick	sqm.	362.50
	Metal Screws (for Aluminium Doors, Windows etc)		
M-0412	75mm x 8mm	Each	2.21

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0413	38mm x 6mm	Each	1.54
M-0414	19mm x 8mm	Each	1.08
M-0415	19mm x 6mm	Each	0.81
M-0416	Cement Paint (First Quality)	Kg	49.85
M-0417	Oil Bound Distemper	Kg	73.80
M-0418	Acrylic Distemper	Kg	85.20
M-0419	Primer for Plastic Emulsion Paint	Litre	147.50
M-0420	Plastic Emulsion Paint (First Quality)	Litre	295.60
M-0421	Wood Primer	Litre	147.50
M-0422	Synthetic Enamel Paint for Wood Work	Litre	238.90
M-0423	Red Oxide Primer for Iron Work	Litre	136.90
M-0424	Synthetic Enamel Paint for Iron Work	Litre	227.60
M-0425	Melamine Polish	Sqm.	648.00
M-0426	Exterior Emulsion Paint	Litre	303.80
M-0427	Painting the wall with Texture Finish Paint including labour charges	sqm.	412.00
M-0428	White Wall Putty Powder	Kg.	27.45
M-0429	Sand Paper (Water Proof Abrasive Sheet)	Each	10.20
M-0430	8" Putty Blade	Dozen	122.30
M-0431	6" Putty Blade	Dozen	91.80
M-0432	300mm dia RCC Hume Pipe	RM	2250.00
M-2312	Wall Putty - Gypsum based putty	kg.	7.88
	<b>GI Pipes "B" Class</b>		
M-0433	65mm dia	RM	244.40

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0434	50mm dia	RM	209.00
M-0435	40mm dia	RM	163.00
M-0436	32mm dia	RM	151.40
M-0437	25mm dia	RM	128.00
M-0438	20mm dia	RM	98.60
M-0439	15mm dia	RM	69.80
	<b>GI Specials</b>		
	<b>Union</b>		
M-0440	50mm dia	Each	266.30
M-0441	40mm dia	Each	197.50
M-0442	32mm dia	Each	127.50
M-0443	25mm dia	Each	98.60
M-0444	20mm dia	Each	69.80
M-0445	15mm dia	Each	58.10
	<b>GI Elbow</b>		
M-0446	50mm dia	Each	128.00
M-0447	40mm dia	Each	98.60
M-0448	32mm dia	Each	87.00
M-0449	25mm dia	Each	58.10
M-0450	20mm dia	Each	25.40
M-0451	15mm dia	Each	15.90
	<b>GI Bend</b>		
M-0452	50mm dia	Each	116.30
M-0453	40mm dia	Each	87.00
M-0454	32mm dia	Each	69.80

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0455	25mm dia	Each	52.00
M-0456	20mm dia	Each	23.20
M-0457	15mm dia	Each	13.60
	<b>GI TEE</b>		
M-0458	50mm dia	Each	139.80
M-0459	40mm dia	Each	110.20
M-0460	32mm dia	Each	98.60
M-0461	25mm dia	Each	81.40
M-0462	20mm dia	Each	34.70
M-0463	15mm dia	Each	28.60
	<b>GI COUPLING</b>		
M-0464	50mm dia	Each	69.80
M-0465	40mm dia	Each	58.10
M-0466	32mm dia	Each	46.50
M-0467	25mm dia	Each	28.60
M-0468	20mm dia	Each	15.90
M-0469	15mm dia	Each	13.60
	<b>GI REDUCER</b>		
M-0470	50mm x 40mm dia	Each	93.20
M-0471	40mm x 32mm dia	Each	69.80
M-0472	32mm x 25mm dia	Each	52.00
M-0473	25mm x 20mm dia	Each	28.60
M-0474	20mm x 15mm dia	Each	20.30
M-0475	40mm x 25mm dia	Each	52.00
M-0476	32mm x 20mm dia	Each	40.40

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>GI REDUCER ELBOW</b>		
M-0477	50mm x 40mm dia	Each	110.20
M-0478	40mm x 32mm dia	Each	93.20
M-0479	32mm x 25mm dia	Each	69.80
M-0480	25mm x 20mm dia	Each	52.00
M-0481	20mm x 15mm dia	Each	40.40
M-0482	40mm x 25mm dia	Each	72.70
M-0483	32mm x 20mm dia	Each	57.60
	<b>GI REDUCER TEE</b>		
M-0484	50mm x 40mm dia	Each	139.80
M-0485	40mm x 32mm dia	Each	116.30
M-0486	32mm x 25mm dia	Each	98.60
M-0487	25mm x 20mm dia	Each	75.30
M-0488	20mm x 15mm dia	Each	69.80
M-0489	40mm x 25mm dia	Each	104.70
M-0490	32mm x 20mm dia	Each	81.40
	<b>GI HEX NIPPLE</b>		
M-0491	50mm dia	Each	87.00
M-0492	40mm dia	Each	69.80
M-0493	32mm dia	Each	58.10
M-0494	25mm dia	Each	43.70
M-0495	20mm dia	Each	34.70
M-0496	15mm dia	Each	23.20
	<b>Gun Metal Gate Valve (Heavy Duty)</b>		
M-0497	65mm dia	Each	1523.00
M-0498	50mm dia	Each	1241.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0499	40mm dia	Each	977.00
M-0500	32mm dia	Each	760.00
M-0501	25mm dia	Each	592.00
M-0502	20mm dia	Each	350.00
	<b>Note:</b> Gate Valves should be used only in delivery line to OHT Scour Pipe in OHT (for cleaning of OHT) where pressure pumping is involved. In all other cases only wheel valve should be used		
	<b>Gun Metal Wheel Valve (Heavy Duty)</b>		
M-0503	40mm dia	Each	652.00
M-0504	32mm dia	Each	513.00
M-0505	25mm dia	Each	351.00
M-0506	20mm dia	Each	241.00
M-0507	15mm dia	Each	169.00
M-0508	Brass Chromium Plated Screw Down Tap 15 / 12mm dia (Heavy Type)	Each	206.00
M-0509	Brass Chromium Plated Pillar Tap (Heavy Type) - 15 / 12mm dia	Each	269.00
M-0510	PVC Screw Down Tap Heavy Type 20mm dia	Each	93.40
M-0511	PVC Screw Down Tap Heavy Type 15mm dia	Each	72.40
M-0512	Chromium Plated Stop Cock 15mm dia	Each	151.30
M-0513	Brass Chromium Plated Shower Rose - 100mm dia	Each	194.60
M-0514	CP Wall Mixture Tap 3 in 1 system with Hand Showers	Each	4146.00
M-0515	CP Two Way Bib Cock with Health Faucet	Each	2060.00
M-0516	CP Shower Arm with Overhead Shower Rose	Each	1181.00
M-0517	Wooden Plug, Clamp and Screws	Set	12.20
M-0518	Shellac	100 gram	18.45
M-0519	PVC Adhesive (Solution)	100 gram	36.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0520	UPVC Adhesive	100 gram	84.80
M-0521	CPVC Adhesive	100 gram	116.50
M-0522	Vajram for Heritage Works	Kg.	78.45
M-0523	Palm Jaggery for Heritage Works	Kg.	280.00
M-0524	Galnut for Heritage Works	Kg.	120.00
M-0525	Oakum for Heritage Works	Kg.	120.00
M-0526	Soap Stone Powder for Heritage Works	Kg.	175.00
M-0527	Thread Ball	Each	3.60
M-0528	CP Heavy Duty Bottle Trap 32mm	Each	1105.00
M-0529	CP Angle Cock Tap	Each	776.00
	Oriya Type Indian Water Closet 580mm x 440mm with "P" or "S" Trap		
M-0530	White	Set	1201.00
M-0531	Colour	Set	1534.00
	European Water Closet with "P" or "S" Trap with Double Flapped Seat and Seat Cover with Brass Hinges and 10 litre capacity PVC Low Level Flusing Tank with all internal fittings		
M-0532	White	Set	3090.00
M-0533	Colour	Set	3484.00
	European Water Closet with "P" or "S" Trap with Double Flapped Seat and Seat Cover with Brass Hinges and 12.5 litre capacity Porcelain Low Level Flusing Tank with all internal fittings		
M-0534	White	Set	4353.00
M-0535	Colour	Set	5241.00
	PVC low level flushing tank with all internal fittings (wall mounting type)		
M-0536	White - 10 litre capacity	Set	995.00
M-0537	White - 7.5 litre capacity	Set	760.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0538	Colour - 10 litre capacity	Set	1127.00
M-0539	Colour - 7.5 litre capacity	Set	895.00
M-0540	PVC Water Tank	Litre	10.05
M-0541	SS Elbow Action Tap of size 15mm	Each	1545.00
M-0542	SS Heavy Duty Long Body Tap 15mm	Each	1545.00
M-0543	SS Swan Neck Tap	Each	1030.00
	Wash Hand Basin of size 550mm x 400mm with all accessories such as Cast Iron Brackets, 32mm dia CP Waste Coupling, Rubber Plug and Chain, 32mm dia 'B' Class GI Waste Pipe, 15mm dia GM Wheel Valve, 15mm dia Nylon Connection, 15mm dia Brass Nipples, 15mm CP Pillar Tap etc		
M-0544	White without Pedastal	Set	1672.00
M-0545	White with Pedastal	Set	2012.00
M-0546	Colour without Pedastal	Set	2239.00
M-0547	Colour with Pedastal	Set	2477.00
M-0548	White Porcelain Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class GI Waste Water Pipe and 32mm dia CP Waste Coupling	Set	2147.00
M-0549	Cuddapah Slab Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class GI Waste Water Pipe & 32mm dia CP Waste Coupling	Set	769.00
M-0550	Cuddapah Slab Sink of size 600mm x 600mm x 200mm with 32mm dia 'B' Class G.I. waste water pipe & 32mm dia C.P. waste coupling.	Set	1020.00
	Stainless Steel Sink		
M-0551	600mm x 600mm x 200mm	Each	9180.00
M-0552	600mm x 450mm x 200mm	Each	7140.00
	Lipped Mouth Porcelain Flat Back Urinal with all accessories such as 32mm dia Bell Mouth PVC Connection, 15mm dia GM Wheel Value, 15mm dia 'B' Class GI Waste Water Pipe, 15mm dia Nylon Connection, 15mm dia Brass Nipple etc.		

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0553	White	Set	940.00
M-0554	Colour	Set	1075.00
M-0555	Supplying and fixing of SS Sink of size 1200 x 550 x 180mm	Each	18540.00
M-0556	Supplying and fixing of Granite Sink of size 600 x 600 x 250mm	Each	4141.00
M-0557	Supplying and fixing of Ornamental Type White Glazed Porcelain Corner 'L' Type Wash Hand Basin of size 350mm	Each	3553.00
M-0558	Supplying and fixing of Oval Shape Wash Hand Basin of size 560 x 450mm	Each	2899.00
M-0559	Supplying and fixing of White Glazed Porcelain Oval Shape Special Type Urinal of size 382 x 398 x 601mm	Each	10060.00
	Porcelain Soap Dish of size 150mm x 150mm x 50mm		
M-0560	White	Each	196.20
M-0561	Colour	Each	268.80
M-0562	Brass Chromium Plated Soap Tray of size 150mm x 100mm	Each	165.10
M-0563	Brass Chromium Plated Towel Rail 60cm long and 20mm dia with Brackets	Set	269.00
M-0564	SS Towel Rack 600mm long with Lower Hanger	Each	1545.00
M-0565	Anodised Aluminium Towel Rail 60cm long and 20mm dia with Brackets	Set	145.15
	PVC / Fibre Glass Framed 5.5mm thick Mirror, Shelf Type with Hard Board Backing		
M-0566	600mm x 450mm	Each	494.70
M-0567	500mm x 400mm	Each	398.30
M-0568	Special Type Mirror of size 1000 x 780mm	Each	2575.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0569	Stoneware Gully Trap of size 150mm x 100m with Cast Iron Double Gratings	Each	170.35
	<b>Cast Iron Nahini / Floor Trap</b> with Stainless Steel Grating		
M-0570	100mm x 75mm	Each	276.90
M-0571	75mm x 50mm	Each	216.90
	<b>PVC Nahini / Floor Trap</b> with PVC Grating		
M-0572	100mm x 75mm	Each	178.00
M-0573	75mm x 50mm	Each	156.00
	<b>First Quality Cast Iron Pipe</b>		
M-0574	150mm Dia	RM	994.00
M-0575	100mm Dia	RM	599.00
M-0576	75mm Dia	RM	478.00
M-0577	50mm Dia	RM	339.00
	<b>First Quality Cast Iron Specials</b>		
	<b>Plain Bend</b>		
M-0578	150mm dia	Each	538.00
M-0579	100mm dia	Each	262.00
M-0580	75mm dia	Each	202.00
M-0581	50mm dia	Each	154.00
	<b>Bend with Door</b>		
M-0582	150mm dia	Each	623.00
M-0583	100mm dia	Each	315.00
M-0584	75mm dia	Each	262.00
M-0585	50mm dia	Each	208.00
	<b>Plain TEE</b>		
M-0586	150mm dia	Each	1078.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0587	100mm dia	Each	478.00
M-0588	75mm dia	Each	327.00
M-0589	50mm dia	Each	225.00
	<b>TEE with Door</b>		
M-0590	150mm dia	Each	1139.00
M-0591	100mm dia	Each	551.00
M-0592	75mm dia	Each	382.00
M-0593	50mm dia	Each	273.00
	<b>"Y" Junction with Door (Single)</b>		
M-0594	150mm dia	Each	1197.00
M-0595	100mm dia	Each	599.00
M-0596	75mm dia	Each	418.00
M-0597	50mm dia	Each	298.00
	<b>"Y" Junction with Door (Double)</b>		
M-0598	150mm dia	Each	1320.00
M-0599	100mm dia	Each	670.00
M-0600	75mm dia	Each	502.00
	<b>COWL</b>		
M-0601	150mm dia	Each	327.00
M-0602	100mm dia	Each	196.00
M-0603	75mm dia	Each	131.00
M-0604	50mm dia	Each	101.00
	<b>Stoneware Pipe</b>		
M-0605	150mm dia	Each (0.6.RM)	102.00
M-0606	100mm dia	Each (0.6.RM)	63.40

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>Stoneware Specials</b>		
	<b>Stoneware TEE</b>		
M-0607	150mm dia	Each	166.15
M-0608	100mm dia	Each	128.00
	<b>Stoneware Bend</b>		
M-0609	150mm dia	Each	140.65
M-0610	100mm dia	Each	101.60
	<b>Stoneware "Y" Junction</b>		
M-0611	150mm dia	Each	171.30
M-0612	100mm dia	Each	127.55
M-0613	Spun Yarn	Kg	13.10
M-0614	Hemp Yarn	Kg	11.80
M-0615	Gunny Tape / Kithan	sqm.	11.80
M-0616	Tar	Kg	41.10
M-0617	Bitumen Felt 15mm thick Pad	sqm.	234.30
	Supplying, fabricating, erecting and fixing Hilux (or) Equivalent Board False Ceiling upto a ceiling height of 4.5m from floor level		
M-0618	Using Hilux Board Plain Sheets (10mm thick)	sqm.	972.00
M-0619	Using Perforated Sheets (10mm thick)	sqm.	994.00
	Supplying and laying Glass Wool for insulation including necessary packing materials		
M-0620	Using 50mm thick Glass Wool	sqm.	392.60
M-0621	Using 25mm thick Glass Wool	sqm.	209.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0622	<p>Supply and installation of Anutone (or) Euivalent Brand of Acoustical False Ceiling of subtex nubby, square edge, glass fibre core fully encapsulated ceiling tile of size 595 x 595 x 15mm having volume density 120 Kgs / m3, weight 1.8 / 2.4 / 3 kg / m2 which is suspended by using 0.3mm thick skelet trellis T15 metal grid system. Skelet trellis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and length 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally, the skelet CT15W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the precut slots in the CT15W12 CrossT in direction parallel to the Main T15 to result in 600 x 600mm module. The subtex nubby square edge of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. Ensure arrow marks behind the tiles are oriented in one direction to achieve uniform shade. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc. complying to standard specication.</p>	sqm.	1734.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0623	<p>Supply and installation of Anutone (or) Equivalent Brand of Acoustical False Ceiling of Sisoli Serene / Slate Spirits / Slate Polka Mineral Fibre/ GRG Core Ceiling Tiles of size 595 x 595 x 15mm having volume density 270 kgs / m<sup>3</sup>, weight 4kg / m<sup>2</sup> which is suspended by using 0.3mm thick skelet trellis T15 metal grid system. The skelet trellis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and length 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally skelet CT15 W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the pre-cut slots in the CT15 W12 CrossT in direction parallel to the Main T15 to result in 600 x 600mm module. Sisoli Serene / Slate Spirits / Slate Polka of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. The systems to achieve noise reduction coefficient not less than 0.5 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, Scaffolding, transportation, conveyance, etc., complying to standard specification.</p>	sqm.	968.00
M-0624	<p>Supply of laying of Anutone (or) Equivalent Brand of Acoustical Insulation of Sound Synth Polywool, 50mm thick made from recycled poly fibre and fully recyclable, surface density 1000 g / m<sup>2</sup>, weight 1.0 kg / m<sup>2</sup> in form of rolls of 600mm wide and 15m in length, adhered to surface with stick S7 adhesive or held in position with chicken wire mesh etc., complying to standard specification.</p>	sqm.	428.00
M-0625	<p>Providing Polymer Coating (Water Proof Coating) for sunken portion of toilet with following specification and the surface shall be cleaned to remove all dust, foreign, matters loose materials or any other deposits of contamination by rubbing with wire brush.</p> <p>Slurry: Dry blend and polymer liquid blend shall be mixed into the desired ratio as per recommendation of the supplier. The mix shall be stirred thoroughly until no bubbles remain in the mix. Any lumps found in mix shall be removed.</p> <p>Apply first coat of polymer modified cementitious slurry by brush on wet cleaned surface. After drying, second coat shall be applied on the first coat as directed by the departmental officers etc. The rate inclusive of cost of materials and labour, etc., complete.</p>	sqm.	329.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0626	Providing Cornice Work for Gyp Board False Ceiling	RM	190.40
M-0627	8mm thick Calcium Silicate Board Designed and Perforated for False Ceiling	sqm.	1545.00
M-0628	Termite Proof / Water Proof Plywood 19mm thick	sqm.	1339.00
M-0629	Laminated Sheet 0.8mm thick (inside)	sqm.	246.40
M-0630	Laminated Sheet 1mm thick (outside)	sqm.	412.00
M-0631	Squatting Urinal	Set	454.50
M-0632	CI Brackets for fixing the Sink	Set	107.90
M-0633	Swan Neck Tap	Each	252.50
M-0634	Brass Screws (30 x 6mm)	Each	2.41
M-0635	Brass Screws (75 x 10mm)	Each	4.88
M-0636	Special Clamp, Teakwood Plugs and Screws	Set	21.60
M-0637	PVC Clamp, Teakwood Plugs and Screws	Set	8.50
M-0638	Teakwood Plug	Each	1.08
M-0639	Teakwood Plug (50 x 50 x 100mm)	Each	5.40
M-0640	Manhole Cover 60 x 60cm (Heavy Duty) with Frame	Each	1864.00
	Welding Charges		
M-0641	50mm	Each	2.11
M-0642	40mm	Each	1.64
M-0643	Add for Painting / Tarring for Hex Nipple	Each	2.82
M-0644	Labour Charges for fixing Cuddapah Slab to Cup-Board	sqm	45.95
M-0645	Hire Charges for Polishing Machinery	Day	228.60
M-0646	Electricity Charges	Unit	11.90

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0647	<p>Supplying and fixing in position White / Colour Glazed Model Floor Mounted European Water Closet of best quality and approved make with 100mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings, such as, 15mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40mm white PVC flush hand using indian adopter joint including all internal fittings, such as, 15mm bras connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition, etc., complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works) <b>Floor Fitting</b></p>	Each	5073.00
M-0648	<p>Supplying and fixing in position White / Colour Special Delux Model Glazed Cascade Type Parryware / Hindware / Equivalent Wall Mounted European Water Closet of best quality and approved make with 100mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings, such as, 15mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40mm white PVC flush hand using indian adopter joint including all internal fittings, such as, 15mm bras connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition, etc., complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works) with 10 litres capacity flushing tank with all internal dual flush fittings with normal seat cover <b>Wall Fitting</b></p>	Each	5888.00
M-0649	Vinyl Flooring 2mm thick	sqm.	552.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0650	Supplying and laying wooden flooring at site 8mm thick of approved make using click laminated floor with inbuilt 3mm sound bloc class of use 31 water resistant AC 3 grade impact resistant IC3 (as per EN 130 900 / 1400) having 0.60mm MLC (Multi-Layer Guard + SRSG 2) (Scratch Resistant Surface Second Generation) on top of moisture high density fibre board substrate specially developed copr of plank size 1288 x 196 x 8mm having joints tongue and groove to secure long lasting joint. The tongue and groove having the edges duly pre impregnated with par affine including laying 0.20mm thick alkali resistant polyethylene sheet of density 850 kg / m3 beneath the laminated wooden panel to absorb the sound caused including labour charges, loading, unloading, transportation, etc., complete	sqm.	3545.00
M-0651	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete	sqm.	5536.00
M-0652	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase near wet riser using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick will be provided with tubular supports made of 304L Grade Stainless Steel pipe of 25mm dia of 1.60mm thick welded to the railing. The supports will be grouted into the wall and provided with 93.00mm thick Stainless Steel circular base plate of 304 Grade. The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, bonding, cutting, grinding, conveyance, welding charges, electrical charges, etc. complete	RM	1843.00
M-0653	PVC mould CI Steps for Sump	Each	230.20
	<b>Vertical Blinds</b>		
M-0654	Ordinary	sqm.	922.00
M-0655	Premium	sqm.	1383.00
M-0656	Stainless Steel Health Faucet	Each	1013.00
M-0657	High Density Fibre (HDF) Board	sqm.	2210.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0658	Providing and fixing of Aluminium Composite Panel (ACP) 4 sided having 50 x 25 x 1.50mm frame work vertical and horizontals out of specially designed extruded sections withstand wind pressure of 180 Kg/sq.m and fabricated fixed at all level elevation and heights. The extruded section cutting and fixing required space extruded section shall be of 6063 and alloy of BSH 9 confirming T is - 63400 rate shall included to fix the main frame with necessary clamps, fasteners, bolt nuts etc. The main frame of extruded section shall be of 22843 & 22739 (H9) grade conforming to BS 4174 (or) IS 8147. Rate shall included 4mm thick ACP sheet (0.25 + 3.5 + 0.25) alstrong or equivalent fixing with spacer tape and the ACP sheet bounded with special type structural sealant of dow corning 789 or equivalent in dust free conditions the gaps between ACP sheet to be filed with whether sealant and backer rod or 12mm foam sheet to ensure water and air tightness in all complete complying with standard specification as directed by the departmental officer	sqm.	4836.00
M-0659	Designing the Semi Unitised Structural Glazing System with open groove joint as per design intent, preparation of shop drawings for approval, supply, fabricate, erect as per approved shop drawings at all floor levels and all floor heights including conducting field test as per the test criteria set out in the particular specification (Methology should be got approved by the Dept. Officials.) Design the framing system (i.e. male & Female frame) to support vision panels, spandrel panels either with glass or aluminium composite panel, operable, window panels on a continuous framing supported between floors. Also design the split framing unutilized glazing system in case of strip or punched windows with vision panel proposed with either insulated / Monolithic glass, groove width in the system both in horizontal and vertical shall not be more than 20mm. Glazing of panel shall be done only at factory at the controlled atmosphere	sqm.	4841.00
	Bitumen Pad		
M-0660	12mm thick	sqm.	479.00
M-0661	20mm thick	sqm.	719.00
M-0662	Providing Strong Room Door for Sub-Treasuries	Each	298750.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0663	<p>Pre-painted Galvanized Iron Windows (Air Tight Model) with Grill and Glass:</p> <p>Providing and fixing Ajanta Cave Model Window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.60mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: Sections for shutter should be of 46 x 46mm and external frame should be of 46 x 52mm. Section for glass beading should be of 18 x 25mm and centre mullion should be of 46 x 70mm.</p> <p>Fixing details: The frame and shutter sections should be cut to length and mitre joined with corner bracket made of CRCA electro plated. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPD) Gasket should be used all around glass in shutter between frame and glazed shutter and both sides of fixed glass.</p> <p>Accessories: Handle made of high grade aluminium powder coated and with nylon receiver. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphating. Mullion caps made of glass filled nylon. Glass: Glass shutter and fixing glass portion should be provided with a glass of 5mm plain float glass. Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be power coated and fixed to window frame with screws. The above frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	5508.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0664	<p>Pre-painted Galvanized Iron Windows (Semi Air Tight Model) with Grill and Glass: Providing and fixing Eco 3000 Series Window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Sections for frame should be of 48 x 50mm, section for glazed shutter frame should be 47 x 20mm and section for fixed glass bead should be of 12 x 12mm. Fixing details: The frame and shutter frame sections should be cut to length and mitre joined with polypropylene corner bracket. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter.</p> <p>Accessories: Each glazed shutter should be provided with SS pivot hinges - 1 set, Polypropylene handle - 1 No. with receiver and aluminium peg stay powder coated - 1 No.</p> <p>Glass: Glass shutter and fixing glass portion should be provided with a glass of 4mm Pinhead Glass.</p> <p>Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be power coated and fixed to window frame with screws.</p> <p>Window Frame should be fixed to brick masonry / concrete masonry by using Nylon self-expanding caps and driving MS electr oplated 80mm long screws into the caps through frames.</p>	sqm.	5151.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0665	<p>Pre-Painted Galvanized Iron Windows with Glass, Grill &amp; Fly Mesh:</p> <p>Providing and fixing Windows from roll formed sections made of galvanized steel powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Section for frame should be of 72mm x 55mm, section for mullion should be of 72mm x 50mm, section for shutter frame should be of 47mm x 20mm, section of fixed glass bead should be of 12mm x 12mm and section for fly mesh shutter frame should be of 40mm x 20mm. Fixing details: Section for frame, glazed shutters and mesh shutters should be cut to length and mitre joined with polypropylene corner brackets, mullion section should be joined with frame / mullion using mullion cap.. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter and fixed glass. Spoon profile should be used around Fly mesh to fix mesh in mesh shutter. Accessories : Each glazed shutter and mesh shutter should be provided with SS pivot hinges - 1 set, Polypropylene handle - 1 No. with receiver and aluminium powder coated peg stay - 1 No. for glazed shutter alone.</p> <p>Glass: Glass shutter and fixed glass portion should be provided with a glass of 4mm pinhead glass. Mesh: Mesh shutter should be provided with a SS 32 gauge fly mesh of 304 grades with 144 holes per square inch. Grill: Windows should be provided with grill made of 10mm square MS bars welded to 5mm x 12mm flat at 4" intervals. Total grill unit should be powder coated and fixed to window frame with screws. Window frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	6790.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0666	<p>Pre-Painted Galvanized Iron Two Track Sliding Window:</p> <p>Providing and fixing pre-painted two track, two panel sliding system fabricated from roll formed sections made of galvanized steel powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: Section for frame two track should be of 59mm x 44mm, section for shutter should be of 35mm x 49mm for window, section for euro groove should be of 25mm x 24mm and for lap strip should be 30mm x 41mm.</p> <p>Fixing details: The frame and shutter sections should be cut to length, joined with corner brackets made of glass filled nylon. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass.</p> <p>Accessories: Corner brackets made of glass filled nylon gasket made of Ethyl Propylene Diamine Monomer (EPDM). Locking system should be of single pin locking for Windows. Single wheel rollers for windows should be provided.</p> <p>Glass: Glass shutter and fixed glass portion should be provided with a glass of 4mm pinhead glass.</p> <p>Window frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	4940.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0667	<p>Pre-Painted Galvanized Iron Three Track Sliding Windows: Providing and fixing pre-painted three track, three panel sliding system fabricated from roll formed sections made of galvanized steel colour coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm. Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns. Dimensions of sections: Section for outer frame three track should be of 92mm x 44mm, section for shutter should be of 35mm x 49mm for window, section for euro groove should be of 25mm x 24mm and for lap strip should be 30mm x 41mm. Fixing details: The frame and shutter sections should be cut to length, joined with corner brackets made of glass filled nylon. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass. Accessories: Corner brackets made of glass filled nylon. Gasket made of Ethyl Propylene Diamine Monomer (EPDM). Locking system should be of single pin locking for windows. Single wheel rollers for windows should be provided. Glass: Glass shutter and fixed glass portion should be provided with a glass of 4mm pinhead glass. Window frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	5460.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0668	<p>Pre-Painted Galvanized Iron Fixed Louvered Ventilators with Glass and Grill:</p> <p>Providing and fixing louvered ventilator fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.58mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: The section for external frame should be of 57mm x 33mm.</p> <p>Fixing details: The section should be cut to length, joined with profile to profile component.</p> <p>Accessories: Glass holding flanges made of glass filled nylon.</p> <p>Glass: Louvers should be provided with 4mm pinhead glass.</p> <p>Grill: Ventilator should be provided with grill made of 10mm Square MS bars to 12mm x 5mm flat at 4" intervals. Total grill unit should be powder coated and fixed to ventilator frame with screws.</p> <p>The above frames should be fixed to brick / concrete masonry walls and floor by means of self-expanding screws.</p>	sqm.	4940.00
M-0669	<p>Pre-Painted Galvanized Iron Door Frame:</p> <p>Providing and fixing door frames from sections made of galvanized steel powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 217 with zinc of 120 grams / sqm.). The factory made section should be with a powder coating of pure polyester powder of 50-60 microns thick with total coated thickness of 1.25mm. Size of door frame section should be of 105 x 60mm with a rebate of 37mm to accommodate 35mm thick door shutter. The frame section should have groove to insert gasket. 2 tie rods of 10mm tor steel to be provided at bottom. Provision for aldrop, mortise lock to be made in the section as per the instruction of Engineer-in-Charge. The frame section should be cut to length, and joined by way of welding. Note: 1.25mm thick (Total coated thickness tolerance as per IS 513)</p>	Rm	595.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0670	<p>Pre-Painted Galvanized Iron windows (Air Tight Model) with Acrylic Sheet &amp; Grill:</p> <p>Providing and fixing Ajanta Cave Model window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.6mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: Sections for shutter should be of 46 x 46mm and external frame should be of 46 x 52mm. Section for glass beading should be of 18 x 25mm and centre mullion should be of 46 x 70mm.</p> <p>Fixing details: The frame and shutter sections should be cut to length and mitre joined with corner bracket made of CRCA electro plated. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter, between frame and glazed shutter and both sides of fixed glass.</p> <p>Accessories: Handle made of high grade Aluminium Powder coated and with nylon receiver. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphating. Mullion caps made of glass filled nylon. Glass: Glass shutter and fixing glass portions should be provided with a glass of 6mm acrylic sheet. Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be powder coated and fixed to window frame with rivet. The above frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.</p>	sqm.	5870.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0671	<p>Structural Glazing:</p> <p>Providing and fixing structural glazing fabricated from roll formed sections made of galvanized steel colour coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 grams / sqm.) with total coated thickness of 0.72mm. The glass holding section made of 304 grade SS of 0.6mm thick. Galvanized steel sections are to be used as stiffeners inside the colour coated steel / powder coated sections as per the design requirement. Design calculations are made to suit wind pressures as given in IS 875. Paint specifications: Primer coat with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns or powder coated with pure polyester powder upto 50-60 microns thick. Dimensions: The section should be of 37 x 53mm for frame vertical, 37 x 53mm for frame horizontal section and section for reinforcement should be of 31 x 55mm. glass holding section should be of 37 x 37mm for top and bottom grids in between should be of 37 x 18mm.</p> <p>Accessories: Brackets made of CRCA powder coated / electro plated should be used to fix vertical at top and bottom and vertical to slab as per site requirement. Polyurethane brackets should be used to connect horizontal section to vertical sections.</p> <p>Silicone: Natural cure, with good UV resistance to be used.</p> <p>The above frame should be fixed to brick / concrete masonry by using nylon self-expanding cap and driving MS electro plated 80mm long screws into the caps through frames.</p> <p>Glass: 5mm reflective Saint Gobain OR equivalent.</p>	sqm.	5870.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0672	<p>Pre-painted Galvanized Iron Fixed Louvered Ventilators with Glass, Mesh and Grill: Providing and fixing louvered ventilator fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base Steel as per IS 513 of 'D' quality, Galvanized as per IS 277 with Zinc of 120 grams / sqm.) with total coated thickness of 0.58 mm</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and black coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of section: The section for external frame should be of 57 x 33mm. Fixing details: The section should be cut to length and joined with profile to profile component.</p> <p>Accessories: Glass holding flanges made of glass filled nylon.</p> <p>Glass: Louvers should be provided with 4mm thick pinhead glass.</p> <p>Mesh: Mesh should be provided with a SS 32 gauge fly mesh of 304 grades with 144 holes per square Inch.</p> <p>Grill: Ventilator should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be powder coated and fixed to window frame with screws. The above frames should be fixed to concrete / masonry walls and floor by means of self expanding screws.</p>	sqm.	5250.00
M-0673	<p>Providing UPVC (Un-Plasticized Polyvinyl Chloride) Door: Providing and fixing casement doors fabricated from un-plasticized polyvinyl chloride (uPVC) sections.</p> <p>Profiles: The profiles should be three chamber system which provides high insulation properties with outer frame 60mm x 55mm with an outer wall thickness of 2.4mm. The window unit should be designed with all corner joints mitred and fusion welded. Windows should be steel reinforced with 25 x 24 x 25mm steel reinforcement with a thickness of 1mm to have dimensional stability. The sash should be of 60 x 102mm. The mullion should be of 60 x 74mm. The profiles should have co-extruded seals.</p> <p>Hardware: All the hardware like friction stays, handles should be screwed with self tapping screws. The handles, locks should be designed so that they cannot be released from outside.</p> <p>Glazing: The window system should be glazed with 5mm plain float glass / 6mm bison lam</p> <p>Installation: The profiles should be cut to length and welded 45 degrees. The window should be designed such that the water drainage does not pass through the reinforcement chamber. The window system should be fixed directly to the plastered brick wall using self expanding nylon plug and driving ms electroplated screws into plug.</p>	sqm.	8313.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0674	<p>UPVC Window Specification:</p> <p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work</p>	sqm.	7482.00
M-0675	<p>UPVC Ventilator</p> <p>Specification:</p> <p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work</p>	sqm.	8106.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0676	<p>FOAMED PVC DOOR FRAME Specification:</p> <p>Providing factory made pre-laminated FPVC (Formed Polyvinyl Chloride) Door Frame of the size 105 x 40mm with a wall thickness of 10mm made out of extruded rigid FPVC profile mitre joined with 6 Nos. of 5mm long screw. The door frame shall be fixed to the wall by using 80mm long screws through the frame with the help of PVC fasteners of 3 Nos. to be provided for each vertical member, GI stiffeners of ('U' channel of size 29 x 9, 1mm, 150mm long) - 3 Nos. at hinge point, frame reinforcement of ('U' GI channel of size 46 x 22 x 0.6mm), bottom tie rod of ('U' GI channel size of 15 x 15 x 1mm), etc., complete complying with the standard specification. The door frame should be got approved from the Executive Engineer before use on work</p>	RM	530.00
	<p>ABS DOOR / EQUIVALENT Specification:</p> <p>Providing of 35mm thick factory made pre-laminated ABS (Acrylonitrile Butadiene Styrene) Door Shutter moulded in different designs, consisting of all round frame made out of water proof solid foam PVC bar of size 20 x 32mm, reinforced by 32 x 32mm - 2 Nos., for vertical made out of LVL (Laminated Veneer Lumber), core material of 32mm thick high density craft paper honey comb board, sandwiched on both sides with pre-laminated ABS sheet thickness of 1.5mm. PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos., for each shutter and ISI make SS round lock complete for finished item of work, complete complying with the standard specification. The door shutter and frame should be got approved from the Executive Engineer before use on work</p>		
M-0677	Plain Pre-laminated Door	sqm.	5946.00
M-0678	Design Pre-laminated Door	sqm.	6273.00
	<b>Autoclaved Cellular Aerated Concrete Blocks</b>		
M-0679	600mm x 200mm x 100mm	Each	45.80
M-0680	600mm x 200mm x 150mm	Each	68.65
M-0681	600mm x 200mm x 200mm	Each	91.60
M-0682	600mm x 200mm x 225mm	Each	103.50
M-0683	Self Curing AAC Joint Mortar	40 Kg / Bag	612.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0684	Ready Mix Plaster for Rendering	50 Kg / Bag	303.00
M-0685	Plasticizer / Super Plasticizer	Kg.	43.20
	Making through holes in Plain or Reinforced Cement Concrete with Diamond Core Drilling System by using BOSCH power tools of following diamete - Depth per cm		
M-0686	100mm	Each	324.00
M-0687	150mm	Each	432.00
M-0688	200mm	Each	484.00
M-0689	Supplying and Installing Metal False Ceiling using Fire Retardant Galvanized Steel Sheet Plain lay in tile size 600mm x 600mm, 0.5mm thick, powder coated on external surface and shall have flange on all four sides to rest on the exposed grids. The system to give 600mm x 600mm centre to centre 'T'. The 'T' shall be not be dipped GI Tee Section 3600mm long main Tee. 24mm wide and cross Tee panels are formed by running main runner of 'T' section of size 30mm x 24mm powder coated at bottom at intervals with powder coating at bottom. Necessary provision of inter locking of 'T' section are made at required intervals not exceeding 1200mm. The main runners are suspended from the ceiling by means of 4mm dia. GI rods fixed to the ceiling using anchor fasteners of 50mm x 8mm size with nylon inset and hooked to the main rubbers using clips. The last hangers at end of each rubber should not be greater than 600mm from the adjacent wall. The last panel shall be placed at the side wall using edge profile 'L' Angle of size 20mm x 20mm and fixed to the side wall the false ceiling should be fixed of same level and should present a neat look	sqm.	3151.00
M-0690	Supplying and fixing of SS Wall Cladding	sqm.	12875.00
M-0691	Supplying and fixing of SS False Ceiling	sqm.	7726.00
	Supplying and Fixing of Aluminium Dye Cast Letters of approved size and colour. The colour treatment process is achieved with MRF colour coat and then the processed coloured layer is set into the kiln for the heat treatment process for the following sizes		
M-0692	Aluminium Dye Cast Letters 9" size	Each	1179.00
M-0693	Aluminium Dye Cast Letters 6" size	Each	748.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	English Brass Letters		
M-0694	25cm (10")	Each	918.00
M-0695	37cm (15")	Each	1296.00
	Tamil Brass Letters		
M-0696	25cm	Each	1682.00
M-0697	20cm	Each	1274.00
M-0698	15cm	Each	2040.00
	English Stainless Steel Letters		
M-0699	60cm (24")	Each	3434.00
M-0700	25cm (10")	Each	1464.00
	Tamil Stainless Steel Letters		
M-0701	60cm (24")	Each	3656.00
M-0702	25cm (10")	Each	1818.00
M-0703	Emblem (15")	Each	12975.00
M-0704	Providing Wall Panelling using one side teak wood sheet with melamine polishing with following specification. The frame using aluminium tubular section of size 50mm x 25mm x 2mm thick fixing horizontally and vertically in position with wall at interval of 0.60m in both directions, fixing water proof plywood of 12mm thick over the aluminium frame work with necessary screws. One side teak wood sheet of 3.5mm thick will be fixed over the plywood using fevical and finishing with melamine polishing and the rate inclusive of conveyance to site and labour charges and as directed by the Departmental Officers. The design pattern, water proof plywood, OST sheet and other materials to be used shall be got approved by the Executive Engineer concerned before use on work etc., complete.	sqm.	6070.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0705	<p>Providing and fixing Acoustic Wall Panelling (equivalent to Armstrong) in channelled wood works perforated panels of width 192mm, thickness of 15mm and length of 2400mm or as per required by the Departmental Engineer made of a high density fibre board with minimum 725 kg./m3 density substrate with a laminated facing as per the approved shade and finish and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the visible surface has a "Helmholtz" fluted perforation of 3mm width and 21mm of visible panel each. The edges of the panels shall be "tongue-and-grooved" to receive special clips for installation. The back of the perforated panel shall have sound absorbing non woven acoustical fleese having NRC of 0.52. The panels shall be mounted on special aluminium splines using clips provided by Armstrong and approved by the Engineer-in-Charge.</p> <p>Installation: Install aluminium box section (provided by others) of section 50mm x 25mm or as approved by the Engineer-in-Charge on the solid wall horizontally using screws and plugs at spacing of 600mm centre to centre. Screw the aluminium extruded keel for channelled wood works provided by Armstrong over the lowest and second aluminium section at an on centre distance of 600mm. Place the inside clip on the groove end of the panel along the aluminium keel and then place the tongue end of the next panel. Continue installing rows of panels by inserting the tongue into groove of the earlier inserted panel and progressively installing inside clips into the next keel till the actual height is achieved. Finish off the edges using wooden moulding of matching colour (provided by others). Installation to be carried out by Armstrong Trained Installation Team and installation should be carried out as per Armstrong Recommended Procedure.</p>	sqm.	8615.00
M-0706	<p>Supplying and fixing the Wall Panelling with the following specification fixing horizontally and vertically in position of wall. Fixing the water proof ply wood 9mm thick board over the country wood planks. Over the ply wood OST sheet of 4mm thick will be fixed with necessary screws and fevicol giving neat finish. The top will be finished with two coats of sanding polishing. The surface will be finished with necessary design as directed by the Departmental Officers. The rate inclusive of all materials, labour power and conveyance of materials to the work site, loading &amp; unloading etc., and as per drawing and design by the Departmental Officers. The water proof ply wood and OST sheet and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification.</p>	sqm.	5406.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0707	<p>Supplying and installation of Anutone / Topakustiks / Idea Tec / Wood Fit / Equivalent Brand of Acoustic Wooden Wall Panelling with fire retardant grade pine wood fibre slats of size 2430 x 128 x 16mm with lineal perforation of 2mm back lined with soundtex black acoustical fleece 0.27mm thick, 63 g / m<sup>2</sup>, tongue-groove edge for a seamless look, 5 test fire retardant grade with noise reduction coefficient not less than 0.75 NRC to absorb low and mid range frequencies from 125Hz to 4000Hz. GI strut CC50 frame work not more than 60 cm centre to centre using GI channels are fixed on the wall, over which an acoustic filling polywool material sound synth of 500 gsm density of 50mm thick has fixed and finally the panels are fixed and finished, so as to have an neat appearance as directed by the departmental offices. The cost includes cost of material, cost of Labours, scaffolding, transportation, conveyance, etc., complete complying to standard specification.</p>	sqm.	5508.00
M-0708	<p>Supplying and installation of Anutone / Woodfit / Saint Gobian / Equivalent Brand of Acoustic Fabric Wall Panelling of stretch fabric NRC wall fabric system by using FR Grade NRC fabric of size 1400mm width shall be stretched by using CC 25 with infill of synth pf polywool 10 X 25 mm thick, rigid vinyl stretch tracks half wrap / full wrap 15mm (FS15) and midseam 15mm (FS15), strand board, synth PF infill with requisite accessories &amp; tools. CC 50mm is first installed on the wall along with the marking lines with metal fasteners inserted at 300mm centers. FS15 tracks to be installed on wooden base, after applying stick S7 adhesive on both surfaces for a true and continuous secure grip, and heavy-duty fasteners at 150mm centers on one / both sides of stretch tracks. Strand square edge magnesite bonded pinewood fiber panels of size 600 x 2400 x 20mm having density 400 kg / m<sup>3</sup>, weight 4 kg which is fixed to wall with suitable fasteners. Sound synth PF polywool 10 x 25mm thick adhered on strand panel by using Stick 7 adhesive. Fabric of width 1400mm is then aligned to the stretch tracks by following the fabric thread line or pattern. The fabric is stretched and tucked into the stretch tracks and secure into the locking jaws so that it will be smooth, free of wrinkles with the tucking tools. The systems to achieve noise reduction coefficient not less than 0.85 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc., complying to standard specification.</p>	sqm.	5304.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0709	<p>Supply and installation of Anutone / Tectum / Heradesign / Equivalent Brand of Acoustical Slim Wall Panelling of synth slim, polyfibre panels, core-pigmented, high-density, Synth PF rigid panels of size 1200 x 2400 x 9mm thick, volume density 210 - 230 kg / m<sup>3</sup>, weight 1.9-2.1 kg/m<sup>2</sup> installed by using GI strut frame work system. The GI strut frame work systems includes GI strut CC 50 cross channel having thickness 0.7mm, length 3600mm, knurled web 50, depth 25mm and equal flanges 15mm is fastened to wall positioned horizontally in a regular manner at 600mm centre to centre. Anutone (or) Equivalent Brand of strand, square edge, magnesite bonded pine wood fibre core tiles of size 600 x 2400 x 10mm, density 400 kgs / m<sup>3</sup>, weight 8 kg /m<sup>2</sup> are fastened to strut CC 50 cross channel with suitable fasteners. Longer edges of the panel should be perpendicular to strut CC 50 cross channel. Synth slim panels are then adhered to strand behind with stick S7 adhesive. The system is backlined with the acoustical infill SynthPF 500 gsm 50 thick. The systems to achieve noise reduction coefficient not less than 0.85 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc., complying to standard specification.</p>	sqm.	4998.00
M-0710	<p>Supply and installation of Anutone / Hera Design / Tectum / Equivalent Brand of Acoustical Fibre Based Wall Panelling of strand colour, kerfed edge magnesite bonded pine wood fibre core tiles of size 600 x 2400 x 20mm, density 400 kgs / m<sup>3</sup>, weight 8 kg / m<sup>2</sup> installed by using GI strut frame work system with non-visible fasteners using PVC strut H-Spline. The GI strut frame work systems includes GI strut CC 50 cross channel having thickness 0.7mm, length 3600mm, knurled web 50, depth 50mm and equal flanges 15mm is fastened to wall positioned horizontally in a regular manner at 600mm centre to centre. PVC strut H-Spline having sectional thickness 2mm and length 2400mm to be fixed perpendicular to the Strut CC50 cross channel at 600mm centers. The kerfed edge panels shall be then inserted into the strut H-Spline along their long edges of 2400mm against frame work to perfect fit with staggered short edges. The system is backlined with the acoustical infill Anutone or Equivalent Brand of SynthPF 500 gsm 50mm thick. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have an neat appearance as directed by the department officers. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc., complying to standard specification.</p>	sqm.	3366.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0711	<p>Providing and fixing of 1.2mm thick Lead Lining Door for X-Ray Rooms, Scanning Rooms with Mild Steel Door Frames 105mm x 57mm X 18 G and 12 G x 50mm Shutter made of GI with PWG finish and honey wool insulations with SS 101mm x 75mm x 3mm SS 304 Ball Bearings Butt Hinges, Mortice Sash Lock ML 100A, 50mm BS, 85mm centre, CL 207 : Key &amp; Knob 70mm, 5 Pin Cylinder with Handle SS Finish (Dorma Make), Heavy Duty Door Closer, Frames fixed wih walls using Mortice Sash Lock ML 100A, 50mm BS, 85mm centre CL207: Key &amp; Knob 70mm, 5 Pin Cylinder with Handle SS Finish (Dorma Make) all neccessary accessories and fittings as per the required and as per the approval for the Department Officer</p>	sqm.	14059.00
M-0712	<p>Post Tensioning Work:  Design and execution of post tensioning work, including decoiling, the strands, cutting to the required lengths, supplying, laying of HT strands sheathing (GI corrugated ducts 0.3mm thick) jointing with couplers and inserting the strands, profiling, fixing liveend anchorages, including supply of stressing anchorages, suitable for 5-5 &amp; 5-4 tendons, grout vents, making dead end anchorages, including flowering the strands, fixing tendon support bars, supervising the fixing of antibursting reinforcement, stressing the cables, end trimming, grouting the cables, with cement slurry, mixed with admixtures with required tools, plants, and machineries, and consumables etc. (Shuttering, concreting &amp; reinforcement steel shall be paid under respective items) at all heights including all leads, lifts, coordination, with the post- tensioning agency, preparation of drawings, obtaining approval from the Employer / Architect etc. Rate to include providing water, power, cement and admixture for grouting, packing of sheathing and anchorages blockings, filling of recess pockets after stressing using grouts (cement slurry mixed with approved admixtures) including providing access to post tensioning at all heights including all leads, lifts etc., all complete and as approved and as directed by the Employer Architect but excluding shuttering, concreting &amp; reinforcement steel which shall be payable under respective items separately.</p>	MT	199775.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0713	Supplying, fabricating and fixing in position factory made Stainless Steel Flush Door Shutter 35mm thick using SS 304 Grade 1.6 mm thick, Stainless Sheets on both sides (Equivalent to IS 6911-04 Cr. 19, Ni 9) minimum 8-8.5% nickel and 18% chromium sourced from original stainless steel manufacturer with view panel size 30mm x 45mm made up of 6mm thick clear toughened glass fitted with double side adhesive tape and finished with dowconing silicon sealant, floor spring for each shutter, consealed tower bolt, suitable stainless steel locking arrangement and other necessary furniture fittings of approved quality. The vertical styles and other frame members and cross stiffeners shall be of same quality stainless steel box section of suitable size and thickness with proper core material as prescribed by the Departmental Officers	Sq.m.	37743.00
	Manhole Cover SFRC		
M-0714	600mm x 600mm	Each	2701.00
M-0715	750mm x 750mm	Each	2971.00
M-0716	900mm x 900mm	Each	3244.00
M-0717	Incinerator for Ladies Bathroom (For School Works)	Each	34570.00
M-0718	Polycarbonate Sheet 6mm thick	Sq.m.	648.00
M-0719	Galvalume Colour Sheet of size 0.47mm	Sq.m.	434.00
	Supplying and erecting in position of following liters capacity Industrial Model Reverse Osmosis Water-cum-Purifier to deliver Potable Water with World Health Organisation (WHO) Standards with following accessories. (a) MS Skid - 1 No. (b) Media 11054 No. Vessel with 20 nb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00 HP / Single Phase – 1 No. (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) - 1 No. and Membrane Pressure Vessel 40 x 40 -1 No. & Pressure Gauge - 2 Nos. (f) Flow Meter - 1 No. 20" Filter with Housing - 1 No., Low Pressure Switch - 1 No., Level Switch - 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel Control System with necessary Stainless Valves and Fittings and Float Control etc. The rate should be inclusive of all civil works, wherever necessary to install the System in position and intact.		

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0720	50 Litres	Set	40320.00
M-0721	250 Litres	Set	108000.00
M-0722	500 Litres	Set	226200.00
M-0723	1000 Litres	Set	376700.00
M-0724	2000 Litres	Set	519000.00
	<b>Medical Gas Arrangements</b>		
	Medical Gas Copper Pipeline arrangement to hang on the wall of socket type connection installation of seamless cleaned and degreased non arsenical phosphorous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for a steam of working pressure of 17.34 kg. / cm <sup>2</sup> (17 bar) and confirm to BS 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per International Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.		
M-0725	10mm OD 0.90mm thick copper pipe	RM	374.80
M-0726	15mm OD 0.90mm Thick Copper Pipe	RM	544.90
M-0727	22mm OD 0.90mm Thick Copper Pipe	RM	911.40
M-0728	28mm OD 0.90mm Thick Copper Pipe	RM	1125.00
M-0729	42mm OD 1.20mm Thick Copper Pipe	RM	2439.00
M-0730	54mm OD 1.20mm Thick Copper Pipe	RM	3048.00
M-0731	Gas Outlet Points: (Self sealing type - Single / DIN outlet pipe) with 'S' type bracket made up of copper and the out let of non-interchangeable for other gas. The outlet points are brazed with brass bracket with self sealing valve (Stainless Steel) with all accessories and complete set and are covered by plastic cover duly colour coated as per specific gas and button cover etc., complete as directed by the Departmental Officers and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1394.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0732	DIN / BS Standard Outlet Points with from loading, inner connecting and brass body. Single press inlet with two stage process first stage for patient usage and second stage in parking mode, covered by plastic cover duly colour indicated with specific gas name and non inter-changeable for other gases. The cost of materials including transport, etc., complete, as per standard specification and as directed by the Departmental Officers	Each	4620.00
M-0733	<p>Oxygen manifold arrangements of 2 banks x 12 cylinder each wing with semi automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IO x regulator 2 Nos. with suitable adopter, flexible SS Hose. Mainfold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) Mainfold top frame with provision for connecting 12 cylinders on right bank and 12 cylinders on left bank with high pressure interconnecting copper tubing, silver brazing, non return valve, fasteners and cylinder support middle angle frame for claping 2 x 12 cylinders and related fasteners. The O2 manifold should with stand a pressure of 140 kg. / CM2. The installation is commissioned after testing as per standards and painted as per International Code and as directed by the Departmental Officers as per IS Code 12827 / 1989 &amp; ISO 7396 / 1987 Specification.</p>	Each	198450.00
M-0734	<p>Oxygen manifold arrangements of 2 banks x 20 cylinder each wing with semi automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IO x regulator 2 Nos. with suitable adopter, flexible SS Hose. Mainfold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) Mainfold top frame with provision for connecting 12 cylinders on right bank and 12 cylinders on left bank with high pressure interconnecting copper tubing, silver brazing, non return valve, fasteners and cylinder support middle angle frame for claping 2 x 12 cylinders and related fasteners. The O2 manifold should with stand a pressure of 140 kg. / CM2. The installation is commissioned after testing as per standards and painted as per International Code and as directed by the Departmental Officers as per IS Code 12827 / 1989 &amp; ISO 7396 / 1987 Specification.</p>	Each	382200.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0735	<p>Nitrous Oxide Manifold Arrangements of 2 banks x 3 cylinder each wing, with automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IOX regulator 2 Nos. with suitable adopter, flexible SS hose. Manifold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) 2 x 3 cylinder Nitrus Oxide Manifold should be suitable with stand a pressure of 140 Kg. / Cm<sup>2</sup> and above along with high pressure copper annealed tail pipes with end brass adapter suitable for Nitrous Oxide Cylinders and manifold.</p> <p>2) Top frame comprising of high pressure copper pipes of size 12mm ID 1.5mm wall thick with high pressure brass fittings made of high tensile brass and connections through non-return valves, high pressure copper tail pipes made of high pressure copper pipe size of 7mm ID x 1.5mm thick.</p> <p>3) The design of middle and bottom frames should be provided to fit both round and flat bottom cylinders safely with fitted heavy duty regulator. The Manifold should be tested at 3500 pig as per IS 12827 / 1989 &amp; ISO 7396 / 1987 Specification.</p>	Each	112650.00
	<p>Brass Isolation Valve suitable for the copper pipe and should be of non lubricated 90 degree turn lever ball valve of reputed make, conneced in line with medical gas pipe line system by using suitable size brass valve adopter union, ferrule, nipple, rubber "O' ring, tapion lap and etc. All pipe line regulators shall be capable of controlling pipe line pressure and must compatible with the requirements specified in IS 12827-1989. All valves should be pneumatically tested for twice the working pressure for the gas line as per IS Code 12827 / 1989 &amp; ISO 7396 / 1987 Sepecification.</p>		
M-0736	15mm Isolation Valve	Each	1446.00
M-0737	22mm Isolation Valve	Each	2199.00
M-0738	28mm Isolation Valve	Each	2521.00
M-0739	42mm Isolation Valve	Each	4633.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0740	Theatre Vaccum Unit: The unit should comprise of two reusable 2000 ml shatter resistant bottle. Each made up of ply carbonate material and fully autoclavable at 134 degreee centigrade, should have a vacuum regulator with instant ON / OFF switch and tree way left, right or both. All the above items should be mounted on a trolley having free moving castor wheels. (As per IS 12827 / 19898 & ISO 7396 / 1987)	Each	12800.00
M-0741	Flow Meter made up of Brass with Humidifier Bottle Flow Meter should be back pressure compressed and should be accurate gas flow measurement with control range 0-13 litres per minute. It should meet strict permission and dumbling standard. The meter body should be made of brass materials. The humidifier bottle should be made of unbreakable polycarbonate material and auto cleavable at 134 degree centigrade. The rate includes flow meter and its accessories (silicon tube with mask). The cost of materials including transport, etc., complete as per standard specification and as directed by the Departmental Officer and as per IS 12827 / 1989 and ISO 7396 / 1987 Specification.	Each	1629.00
M-0742	Ward Vaccum Unit with Gauge both mounted on a collection jar of capacity 600 ml and with a wall bracket for mounting it on the wall. The collecion jar should be made of unbreakable polycarbonate materials which is fully auto cleavable at 134 degree centigrade as per standard specification and as directed by the Departmental Officers and as per IS 12827 / 1989 and ISO 7396 / 1987 Specification. The rate includes cost of silicon hose with SS nipple on either side.	Each	1950.00
M-0743	Supply, installation, testing and commissioning of equivalent to Ingersoll Rand Reciprocating Air Cooled Type (10 HP) Rating Vaccum Pump as per following provisions. As per IS 12827 / 1987 & ISO 7396 / 1987 Specification  a) Vaccum Pump - 10 HP - 1 No. b) Electric Motor - 10 HP - 1 No. c) DOL Starter with OLR - 1 No. d) Vaccum Switch - 1 No. e) Vaccum Gauge - 1 No. f) Control Frame with Fittings - 1 No. g) Suction Scrubber - 1 No. h) V-Belts - 1 No. i) GI & MS Fittings - 1 No. j) Brass Fittings - 1 No. k) Exhaust Silencer - 1 No. i) Base Frame for Motor and Vaccum Pump - 1 set m) Pilot Line with Fittings - 1 set, Vaccum Room & Air Compressor Room Inside	Each	481600.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0744	<p>Supply, installation, testing and commissioning of equivalent to Ingersoll Rand Reciprocating Air Cooled Type (15 HP) Rating Vaccum Pump as per following provisions. As per IS 12827 / 1987 &amp; ISO 7396 / 1987 Specification</p> <p>a) Vaccum Pump - 15 HP - 1 No.  b) Electric Motor - 15 HP - 1 No.  c) DOL Starter with OLR - 1 No.  d) Vaccum Switch - 1 No.  e) Vaccum Gauge - 1 No.  f) Control Frame with Fittings - 1 No.  g) Suction Scrubber - 1 No.  h) V-Belts - 1 No.  i) GI &amp; MS Fittings - 1 No.  j) Brass Fittings - 1 No.  k) Exhaust Silencer - 1 No.  l) Base Frame for Motor and Vaccum Pump - 1 set  m) Pilot Line with Fittings - 1 set,  Vaccum Room &amp; Air Compressor Room Inside</p>	Each	638400.00
M-0745	<p>Supply, installation, testing and commissioning of Compressed Air System of Reciprocating Oil Free Air Compressor Belt Driven Type 10 HP Air Compressor with following provisions.</p> <p>As per IS 12827 / 1987 &amp; ISO 7396 / 1987 Specification Compressor package consists of following:</p> <p>a) 10 HP Air Compressor - 1 No.  b) Electric Motor 10 HP - 1 No.  c) Dol Starter - L&amp;T - 10 HP - 1 No.  d) Base Frame Kit (for Motor and Compressor) - 1 set  e) Pressure Swith - 1 No.  f) Pressure Gauge - 1 No.  g) NRV and Pilot Fittings - 1 No.  h) Delivery Tube - 1 No  i) Foundation Bolts &amp; Anchor Fasteners - 1 Lot  j) Belt Guard - 1 No.  k) Refrigerator Type Air Dryer-40 cfm. capacity-1 No.  l) Drain Ball Valve - 1 No.  m) Air Outlet Ball Valve - 1 No.</p> <p>Vacuum Room &amp; Air Compressor Room Inside Accessories:  Non-Return Valves, Air Pressure Switch, Pressure Gauge, Isolation Valves, Air Filters etc.,  Inter connecting piping: Mild Steel Pipe of 2" with fittings.</p>	Each	505900.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0746	<p>Supply, installation, testing and commissioning of Compressed Air System of Reciprocating Oil Free Air Compressor Belt Driven Type 15 HP Air Compressor with following provisions. As per IS 12827 / 1987 &amp; ISO 7396 / 1987 Specification Compressor package consists of following:</p> <p>a) 15 HP Air Compressor - 1 No.  b) Electric Motor 10 HP - 1 No.  c) Dol Starter - L&amp;T - 10 HP - 1 No.  d) Base Frame Kit (for Motor and Compressor) - 1 set  e) Pressure Swith - 1 No.  f) Pressure Gauge - 1 No.  g) NRV and Pilot Fittings - 1 No.  h) Delivery Tube - 1 No  i) Foundation Bolts &amp; Anchor Fasteners - 1 Lot  j) Belt Guard - 1 No.  k) Refrigerator Type Air Dryer-60 cfm. capacity-1 No.  l) Drain Ball Valve - 1 No.  m) Air Outlet Ball Valve - 1 No.</p> <p>Vacuum Room &amp; Air Compressor Room Inside Accessories: Non-Return Valves, Air Pressure Switch, Pressure Gauge, Isolation Valves, Air Filters etc.,  Inter connecting piping: Mild Steel Pipe of 2" with fittings.</p>	Each	824200.00
M-0747	<p>Supply, installation, testing and commissioning of MS Fabricated Vertical Mounted Type 1000 liters capacity Vaccum Receiver with inlet and outlet and drain holes provided suitable to operate with vaccum pump, etc., as directed by the Departmental Officers.</p>	Each	104620.00
M-0748	<p>Supply, installation, testing and commissioning of MS Fabricated Vertical Mounted Type 1000 liters capacity Compressed Air Receiver with inlet and outlet and drain holes provided suitable to operate with vaccum pump etc as directed by the Departmental Officers.</p>	Each	104620.00
M-0749	<p>Single Arm Pendent Mounted on Celing Height as directed by the Departmental Officers. All items are MS powder coated. The cost includes cost of all materials, labour charges, dismantling and re-doing masonry to original condition, painting of masonry works taxes including transports, risk allowance, scaffolding etc., complete and as per IS Code 12827 / 1989 &amp; ISO 7396 / 1987 Specification.</p>	Each	173140.00
M-0750	<p>Bed Head Panel of size 1m length, height 0-0.30 cm and depth of 4". The aluminium powder coated with requirement colour for provision points of O2-2 Nos., Air 1 No., Vaccum 1 No. with double electrical socket with switch 2 Nos. with 2 set with 1V - bottle holder fixing to the wall hanging including monitor stand etc., complete.</p>	Each	19509.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0751	Supplying, fabricating and fixing slotted carriers with the following specifications. The carriers should be made of GI sheet of 16G with slots. The size of carrier is 300 x 40mm and are to be spaced at 50 cm centre to centre. The carriers are to be fixed on suspenders with the help of lock nuts. These suspenders are made of galvanised MS rods size of 6mm dia. The suspenders should be threaded to its full length so that the carrier shall be fixed at any height depending on the onsite requirement. The suspenders are to be fixed on the soffit of ceiling with self fixing anchore bolts. All components of suspenders and slotted carriers should be galvanised. The rate includes cost of all materials, labour charges for drilling and fixing the whole assembly at required places, complete and as directed by the Departmental Officers.	Each	176.30
M-0752	Supplying and fixing of Cylinder 46 Litre "D" Type Empty Seamless Medical Nitrous Cylinder with Valve and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specifiaton etc., complete and complying with standard specification.	Each	17218.00
M-0753	Supplying and fixing of Cylinder 46 Litre "D" Type Empty Seamless Medical Oxygen Cylinder with Valve and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specifiaton etc. complete and complying with standard specification.	Each	17218.00
M-0754	Supplying, fabricating and fixing Oxygen Boyles Kit for Operation Theatre with following specification: The Boyles Kit Hose is made of silicon and of white colour as per standard suitable adoptor fixed on higher end of hose to connect outlet unit and Boyles Machine. The adopter must be made of SS of superior quality. The rate includes cost of all materials and labour charges for fixing in proper position etc. complete and complying with standard specification.	Each	1950.00
M-0755	Supplying, fabricating and fixing Nitrous Oxide Boyles Kit for Operation Theatre with following specification: The Boyles Kit Hose is made of silicon and of white colour as per standard suitable adoptor fixed on higher end of hose to connect outlet unit and Boyles Machine. The adopter must be made of SS of superior quality. The rate includes cost of all materials and labour charges for fixing in proper position etc. complete and complying with standard specification.	Each	1950.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>FIRE FIGHTING ARRANGEMENTS</b>		
	Wrapping and Coating Anti-Corrosive Treatment for under ground MS pipe having one coat of anti-corrosive metal primer, one layer of asphalt tar tape wound over the MS pipe as per standard methods as per standard specification as directed by the Departmental Officers.		
M-0756	100mm dia	RM	407.00
M-0757	80mm dia	RM	290.80
M-0758	Supply, erection, testing and commissioning of 80mm dia Heavy Duty Foot Valve including necessary MS flange of table 'E', gaskets, bolts & nuts, etc., installed at end of 80mm dia suction pipeline at sump as per the standard method and as directed by the Departmental Officers.	Each	15165.00
M-0759	Supply, erection, testing and commissioning of cast iron body and gun metal or stainless steel Internal Non-Return Valve of size of 80mm dia to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary MS flange of table 'E', gaskets, bolts & nuts, etc. as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.	Each	12248.00
	Supply and laying of following sizes of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc.. The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.		
M-0760	3 core 95 sq.mm. armoured aluminium cable	RM	DELETED
M-0761	4 core 16 sq.mm. armoured aluminium cable	RM	DELETED
M-0762	4 core 10 sq.mm. armoured aluminium cable	RM	DELETED
M-0763	2 core 1.5 sq.mm armoured multi strand aluminium cable	RM	157.40
M-0764	3 core 10 sq.mm. armoured aluminium cable	RM	DELETED
M-0765	10 core 2.5 sq.mm. armoured aluminium cable	RM	460.60
M-0766	2 core 2.5 sq.mm. armoured aluminium cable	RM	180.70

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0767	Supply, installation, testing and commissioning of Micro Processor based Conventional 12 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt, 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	89740.00
M-0768	Supply, installation, testing and commissioning of Micro Processor based conventional 8 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	76650.00
M-0769	Supply, installation, testing and commissioning of Micro Processor based conventional 4 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	52430.00
M-0770	Supply, installation, testing and commissioning of Conventional Smoke Detector suitably mounted on ceiling with MS junction box / false ceiling using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers. (Make: Apollo / Equivalent)	Each	2448.00
M-0771	Supply, installation, testing and commissioning of Manual Call Point (MCP) providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers. (Make: Ravel / Equivalent)	Each	1864.00
M-0772	Supply, installation, testing and commissioning of Electronic Hooter / Sounder providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers (Make: Ravel / Equivalent)	Each	1807.00
M-0773	Supply and laying of FRLS PVC insulated 2 core 1.5 sq.mm. Armoured Copper Cable on ceiling / wall using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers.	RM	116.50

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0774	Supply and fixing of Water CO <sub>2</sub> Stored Pressure Type 9 litres capacity Fire Extinguisher as per new IS 15683 complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, wall mounting bracket, safety clip, etc., as directed by the Departmental Officers.	Each	6999.00
M-0775	<p>Supply and erection of Double Leaves Fire Rated Door with Frame having the dimension of 1800mm x 1400mm with following specification:</p> <p>a. Door Frame 1.6mm: Galvanized 120 GSM branded make JSW  b. Door Leaf 1mm: Galvanized 120 GSM branded make JSW  c. Shutter Thickness: 46mm  d. Honeycomb: In-fill  e. Glue Macroplast UR-7221  f. Door Hinges: 4" x 3" x 3mm, Double Ball: Make Assa Abloy Yale Ball bearing Butt Hinges Grade SS 304 - Finish SS  g. Door Closer with Standard Arm Finish: Silver  h. Lock Set: Dead Lock with both side key  i. Door Orientation: To be confirmed by client  j. Mounting of door: Brick wall mounted  k. Powder Coating: Powder coated in standard RAL paint colour of PO Red (60 to 90) Microns  l. Single Point Panic Bar (2 Horizontal): Make Assa Abloy Yale or Equivalent  m. Dead Lock with both side key: Make Assa Abloy Yale or Equivalent  n. Vision Panel 200 x 300mm 2 Hrs. Fire Glass Schott Pyran with Frame  o. Rated Glass Schott Pyran with Frame  p. Anchor Bolt with Endcaps</p> <p>The above assembly mounted on concrete or brick wall including the cost of cutting, chipping, concrete packing, pastering, scaffolding all other conveyence as per standard methods and as directed by the Departmental Officers.</p>	Each	84170.00
M-0776	Supply, erection, testing and commissioning of fire fighting application Monoblock Motor Pumpset of 1100 LPM at 45 metres head to develop 3.5 kg / sq.cm at the highest and farthest hydrant point to make 30m water jet at the time of fire fighting emergency circumstances, coupled with 15 KW / 20 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 100 mm dia, delivery size of 80 mm dia, including the cost of foundation concrete, anti-vibration mounting, rain safety hood and etc., complete as directed by the Departmental Officers (Make: Kirloskar KDS 2050+ or Equivalent)	Each	255200.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0777	Supply, erection, testing and commissioning of fire fighting application monoblock motor pumpset of 450 LPM at 20 metres head to develop 2.0 kg/sq.cm at the heightest and farthest hydrant point to make 10m water jet at the time of fire fighting emergency circumstances, coupled with 3.75KW / 5HP rated three phase 415 volts, 50 Hz, 2880 rpm electrical motor, the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 80 mm dia. delivery size of 65 mm dia, including the cost of foundation concrete anti vibration mounting, rain safety hood and etc. complete as directed by the Departmental Officers (Kirloskar make KDS 538 or Equivalent))	Each	65820.00
M-0778	Supply, erection, testing and commissioning of fire fighting application monoblock motor pumpset of 900 LPM at 40 metres head to develop 3.5 kg/sq.cm at the heightest and farthest hydrant point to make 30 m water jet at the time of fire fighting emergency circumstances, coupled with 11 KW / 15 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 80 mm dia. delivery size of 65 mm dia., including the cost of foundation concrete anti vibration mounting, rain safety hood and etc. complete as directed by the Departmental Officers (Kirloskar make KDS 1555+ or Equivalent)	Each	154700.00
M-0779	Supply, erection, testing and commissioning of Fire Fighting Electrical Control Panel of 15 HP, 415 V, 50 Hz Rating Wall Mounted Type fabricated using CRCA sheet, hinged lockable door, dust and vermin proof with following provisions:  a. 63 Amps, 4 Pole MCB - Incomer, 6 Amps, 2 Pole MCB for Control Circuit - 1 set b. R, Y, B Phase Indication Lamp, Volt Meter (0 - 500 V), Ammeter (0 - 50 A), Volt Meter Selector Switch- 1 set c. 32 Amps Power Contactor with 230 V Coil, 14 - 23 Amps Over Load Relay - 1 set d. Single Phase Preventer - 1 No. e. Indication Lamp for Motor ON / OFF / TRIP - 1 set f. AUTO / MANUAL Selector Switch, ON / OFF Push Button - 1 set g. Add On Block, Terminal Block, Power Wiring, Control Wiring, Connectors, Cable Lugs, Slotted Cable Cover The above panel mounted on wall using anchor fasteners bolts, plugs, incoming and outgoing cable connection and all works carried out as per standard methods and as directed by the Departmental Officers.	Each	91560.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0780	Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump Rated for 2280 LPM at 70 metres head with Electrical Motor of 60 HP of 415 volt 3 phase connection complete with base plate and accessories. (Make: Kirloskar or Equivalent). The rate inclusive of necessary vibration, bad mounting etc., as per standard method as directed by the Departmental Officers.	Each	472390.00
M-0781	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of following and complete in all respects as required.</p> <p>a. End suction, top discharge centrifugal pump of cast iron body &amp; bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg. / sq. cm at highest and farthest outlet at specified flow of 2280 LPM at 70m head conforming to IS 1520.</p> <p>b. 68 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS &amp; IS standard complete. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dyanamo, solenoid switches etc.</p> <p>c. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle, providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre-filter, after filter etc. (Make: Kirloskar / Equivalent).</p> <p>d. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m, outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>e. Dash board consisting the instruments like temperature gauge, galvano type DC Ammeter, lubricant oil pressure gauge, ignition switch, emergency stop and all other protection equipment as per specification, stop seleneid for auto stop in the event of fault with audio indications, painted with post office red colour etc., as required.</p> <p>f. 12 V / 24 V storage battery, maintenance free tape, 180 AH rating, MS fabricated common base plate, coupling guard, foundation bolts etc., as required.</p> <p>g. Positioning the diesel engine driven fire pump over cement concrete foundation using suitable size anti-vibration mounting arrangement.</p> <p>All works carried out as per standard methods and as instructed by the manufacturer and as directed by the Departmental Officers. (Make: Kirloskar / Equivalent)</p>	Each	1264700.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0782	Supply, erection, testing and commissioning Mono Block type Fire Fighting Pressurisation Pump of 180 LPM 110 metres head at 10 HP with suitable base frame including necessary vibration bad mounting etc., including conveying, fixing and incidental charges., etc., complete as per standard specification and as directed by the Departmental Officers. (Make: Kirloskar / Equivalent)	Each	230800.00
M-0783	Supply, erection, testing and commissioning of Fire Fighting 2 Way Fire Brigade Inlet with necessary gun metal 63mm dia non-return spring shutter arrangements so that to control one way flow at the time of emergency water supply by fire and rescue service fire engine entry including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standard specification and as directed by the Departmental Officers. (Make: KIARTAR / OMEX / EQUIVALENT)	Each	13975.00
M-0784	Supplying, erection, testing and commissioning of Diesel Engine Pump Main Control Panel & Jockey Pump including necessary auto cut-in, cut-off and manual operations, battery charger switch arrangements, voltmeter, ammeter and running indication siren provision, wall mounting type, etc., as per the standard method and as directed by the Departmental Officers.	Each	133980.00
M-0785	Supply and laying of 4 core 10 sq.mm. armoured copper cable for power wiring to the Terrace Pump Motor with runs of 14 SWG TC wire for earthing, providing in wall with suitable size GI clamps, screws, wooden plug, end termination by using suitable size cable glands, copper sockets and etc., as directed by the Departmental Officers.	RM	646.80
M-0786	Supply and laying of 2 core 1.5 sq.mm. armoured copper cable for control wiring to the Terrace Pump Motor with runs of 14 SWG TC wire for earthing, providing in wall with suitable size GI clamps, screws, wooden plug, end termination by using suitable size cable glands, copper sockets and etc., as directed by the Departmental Officers.	RM	157.00
M-0787	Supply, erection, testing and commissioning of Fire Fighting Application direct on line main control panel to control electrical Terrace Pump Motor of 3.75 KW / 5 HP rated 415 volts / 50 Hz 3 phase, 2880 RPM including necessary auto / manual operations, over load relay, selector switches arrangements, voltmeter and ammeter provision, etc., as directed by the Departmental Officers.	Each	60060.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	Servicing the following sizes cast iron body Sluice Valves by disconnecting from hydrant line, dismantling, inspecting the internal shutter, replacing valve seating, checking operating lever, lubricating for moving parts, reconnecting with hydrant system as per standard methods and as directed by the Departmental Officers.		
M-0788	80mm dia	Each	1632.00
M-0789	65mm dia	Each	1399.00
M-0790	Supply and fixing of Fire fighting application oblique type stainless steel Hydrant Valve of size 63mm dia with oblique type instantaneous coupling with rotating wheel to open and close the valve including MS flange of table "E", bolts & nuts with washer as per IS 5290 at ring main around the building and wet riser inside the building including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	11596.00
M-0791	Supply, installation of Fire Fighting Application 180 degree swinging type, hose reel drum with 20mm dia braided thermoplastic hose of 30 metres long, so as to extend to necessary distance by self rolling spindle wheel including necessary 20mm dia ball valve and open and close spray nozzle, warm clip, etc., as per the standard pattern of any reputed make at every floor nearer to hydrant valve, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	15650.00
M-0792	Supply, and fixing in position of Fire Fighting Application Hose of 63mm dia of 15 metres length binded by copper wire with 63mm dia stainless steel male and female instantaneous fire fighting special coupling as per IS 901 as directed by the Departmental Officers. Near every hydrant points including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR/ LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	10345.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0793	Supply, and fixing in position of Fire Fighting Application 63mm dia stainless steel short length Branch Pipe with hexagonal type spray nozzle of 15mm (or) 20mm jet bore. Near every hydrant points including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	3825.00
M-0794	Supply of Fire Fighting Application MS Hose Box to keep two number of hoses and 1 No. of branch pipe with nozzle having proper glass window type double door with universe open key, painted inside white and outside Post Office Red. Near every hydrant point including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	8922.00
M-0795	Supply and fixing nominal bore quartzed bulb type sprinkler bulb 68 Deg C fast response pendent type including GI collar for each sprinkler bulb, mounted in MS pipe line using suitable size MS threaded coupling, thread, shellac etc., as per standard methods and including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	523.90
	Supply, erection, testing and commissioning of following MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Office Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: JINDAL / EQUIVALENT.		
M-0796	250mm dia	RM	6415.00
M-0797	200mm dia	RM	4782.00
M-0798	150mm dia	RM	3439.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0799	100mm dia	RM	2390.00
M-0800	80mm dia	RM	1865.00
M-0801	65mm dia	RM	1573.00
M-0802	50mm dia	RM	932.00
M-0803	40mm dia	RM	699.00
M-0804	25mm dia	RM	582.70
	Wrapping and coating anti-corrosive treatment for the following under ground MS pipe having one coat of anti-corrosive metal primer, one layer of asphalt tar tape wound over the MS Pipe as per standard methods as per standard specifications and as directed by the Departmental Officers.		
M-0805	200mm dia	RM	523.90
M-0806	150mm dia	RM	466.20
	Supply, erection, testing and commissioning of following sizes of Heavy Duty Foot Valve including all accessories, such as, MS flange of table 'E', gaskets, bolts & nuts, etc., installed at end of 150 / 200mm dia suction pipe line at sump including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete and as per standard specification and as directed by the Departmental Officers. Make: NORMEX / KARTAR / EQUIVALENT		
M-0807	200mm dia	Each	36150.00
M-0808	150mm dia	Each	27990.00
M-0809	100mm dia	Each	17495.00
	Supply, erection, testing and commissioning of cast iron body and bronze internal non-rising spindle sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMEX / KARTAR / EQUIVALENT		
M-0810	250mm dia	Each	67659.00
M-0811	200mm dia	Each	43739.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0812	150mm dia	Each	25779.00
M-0813	100mm dia	Each	17371.00
M-0814	80mm dia	Each	12820.00
M-0815	65mm dia	Each	9682.00
	Supply, erection, testing and commissioning of Cast iron body and Gun metal or stainless steel internal Non-return valve of following sizes to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary MS flange of table 'E', gaskets, bolts & nuts, etc. as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.		
M-0816	200mm dia	Each	53775.00
M-0817	150 mm dia	Each	31496.00
M-0818	100mm dia	Each	13063.00
M-0819	Supply, erection, testing and commissioning of Gun Metal Gate Valve of size 50mm dia size including necessary MS flange of table 'E', gaskets, bolts & nuts etc., installed at pump house delivery line for the purpose of priming water to suction line including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: LEADER / EQUIVALENT.	Each	5890.00
M-0820	Supply, erection, testing and commissioning of Gun Metal Non-Return Valve of size 50mm dia including necessary MS flange of table 'E', gaskets, bolts & nuts, etc., installed at pump house delivery line for the purpose of priming to suction line so that to control one way including conveying, fixing and incidental charges etc., complete as per standard specification and as directed by the Departmental Officers. Make: LEADER / EQUIVALENT.	Each	5715.00
M-0821	Supply and providing 1000 litres capacity Priming Tank made up of PVC. Make: SINTEX / EQUIVALENT	Each	10498.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0822	Priming Tank mounted with the supporting arrangement fabricated using MS angle for the height of 3 metres from the floor level, inlet, outlet, and drain arrangements inside the fire fighting pump room, as directed by the Departmental Officers.	Each	15747.00
	Supply and laying of following sizes of Armoured Aluminium / Copper Cables for electrical motor, control panel, pressure switch, jockey motor etc., all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.		
M-0823	3 core 185 sq.mm. armoured aluminium cable	RM	1749.00
M-0824	3 core 10 sq.mm. armoured copper cable	RM	780.00
M-0825	10 core 2.5 sq.mm. armoured copper cable	RM	699.00
M-0826	2 core 2.5 sq.mm. armoured copper cable	RM	233.00
M-0827	Earthing arrangements with GI Earth Plate including charcoal and salt with necessary excavation in all soils and to full depth as may be required and masonry work, re-filling the sides of foundation with excavated earth as per the standard specification and as directed by the Departmental Officers.	Each	6999.00
M-0828	Supply, erection, testing and commissioning of Pressure Gauge with 0 to 14 kg. range of reputed make with necessary valve, milling thread MS coupling fixed at delivery pipe line in pump house to read the developing pressure including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: H-GURU / ISI MAKE / EQUIVALENT.	Each	3616.00
M-0829	Supply, erection, testing and commissioning of suitable Pressure Switch of reputed make line Indfoss or Donfoss including necessary valves, couplings, etc., connected with electrical main control panel and setup at proper differential so as to auto start and auto stop the electrical motor, jockey motor including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., completed as per standard specification and as directed by the Departmental Officers. Make: DONFOSS / INDFOSS / ISI MAKE / EQUIVALENT.	Each	6065.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0830	<p>Supplying, erection, testing and commissioning of Fire Fighting Electrical Control Panel of 10HP, 415V, 50Hz rating Wall Mounted Type fabricated using CRCA sheet, hinged lockable door, dust and vermin proof with following provisions.</p> <p>a. 50 Amps, 4 Pole MCB-Incomer, 6 Amps, 2 Pole MCB for Control Circuit-1 set  b. R, Y, B Phase Indication Lamp, Voltmeter (0-500V), Ammeter (0-50A), Voltmeter Selector Switch-1set  c. 32 Amps Power Contactor with 230V Coil, 14-23 Amps Over Load Relay-1 set  d. Single Phase Preventer-1 No.  e. Indication Lamp for Motor On/Off Push Button-1 set  f. Auto / Manual Selector Switch, On / Off Push Button-1 set  g. Add On Block, Terminal Block, Power Wiring, Control Wiring, Connectors, Cable Lugs, Slotted Cable Cover.  The above panel mounted on wall using anchor fasteners, bolts, plugs, incoming and outgoing cable connection and all works carried out as per standard specifications and as directed by the Departmental Officers.</p>	Each	88410.00
M-0831	<p>Supplying, installation, testing and commissioning of Fire Fighting Electrical Control Panel of cubical construction, floor mounted type fabricated using CRCA sheet, compartmentalised with hinged lockable door dust and vermin proof, cable alley, inter connection having switch gears and accessories mounting and internal wiring, earth terminals, numberings, necessary metering protections and indications complete in all respect suitable for operation on 415volt, 3 phase, 50 Hz AC supply with enclosure protection class IP 54 and mounted with the followings.</p> <p>A. Common Panel in Fire Pump House  (i). Incomer  a. 1 No. 600A TP &amp; N SDFU with HRC fuses  b. 1 set of 600A, 4 bar aluminium bus bar, 415 V, 50 HZ AC supply  c. 1 No. (0-500A) digital ammeter with selector switch &amp; CTs  d. 1 No. (0-500V) digital voltmeter with selector switch and control fuses  e. 3 Nos. phase indication lamp LED type with toggle switches with control fuses  (ii). Outgoing  a. Main Fire Pump  400 A TPN SDFU with HRC fuses with suitable HP fully automatic starter / delta starter with over load protection, digital ammeter with built-in selector switch and suitable CTs, current sensing type single phasing preventer complete with all accessories and internal wiring required for automatic operation, selector switch for auto / manual / OFF operation - 1 No. ....</p>	Each	612100.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p>b. Jockey Pump 125 A TPN SDFU with HRC fuses with suitable HP fully automatic starter / delta starter with over load protection, current sensing type single phasing preventer complete with all accessories and internal wiring required for automatic operation, selector switch for auto / manual operation - 1 No.</p> <p>c. Diesel Engine Control comprising of:</p> <ol style="list-style-type: none"> <li>1. Auto / manual selector switch and 3 attempt starting device, timers and relays as required, push buttons, start / stop in manual mode.</li> <li>2. Indication lamp for high / low lubricant oil pressure, high water temperature and engine ON indication.</li> <li>3. Battery charger suitable for 12V /24V DC with boost and tickle selector switch, 0-15V / 0-30V DC volt meter, 0-20A DC ammeter.</li> <li>4. All standard relays and accessories for automatic operation of diesel engine.</li> <li>5. The above combined panel mounted over MS channel fabricated frame with cement concrete platform, all other connection works carried out as per standard methods and including conveying, fixing and incidental charges, etc., complete as per standard specification and as directed by the Departmental Officers.</li> </ol>		
M-0832	<p>Supply erection testing and commissioning of Electric Motor Driven Fire Pumpset suitable for automatic operation and consisting of following:</p> <ol style="list-style-type: none"> <li>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 4550 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</li> <li>b. 1 No. squirrel cage induction motor of 175 HP, 415 Volt, 3 phase 50Hz rating, conforming to IS:325-1978 with class "F" insulation, totally enclosed, IP 55 for enclosure fan cooled type conforming to relevant protection clause of IS 4691, synchronous speed of 2900 RPM.</li> <li>c. Common bed plate fabricated with MS channel / cast iron type for assembling the pump and motor flexible coupling between the pump and the motor with coupling guard for protection - 1 No.</li> <li>d. Making cement concrete foundation suitable for the above pumpset including vibration isolation pads as necessary, foundation bolts, brackets, clamp fixtures, grouting, etc., in accordance with the manufacturer's design and as per standard methods and including conveying, fixing and incidental charges, etc., complete as per standard Specification and as directed by the Departmental Officers.</li> </ol>	Each	962100.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0833	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings and complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 4550 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 190 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS &amp; IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches, etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre-filter, after filter etc.</p> <p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipment as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour, etc., as required.</p> <p>g. 12V / 24V, storage battery, maintenance free type, 180AH rating, MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the diesel engine driven fire pump over cement concrete foundation using suitable size anti-vibration mounting arrangement.</p> <p>All works including conveying, fixing and incidental charges, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.</p>	Each	1445800.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0834	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 2850 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 100 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS &amp; IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre filter, after filter etc.</p> <p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting of the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipments as per specification, stop soleneid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour etc., as required.</p> <p>g. 12 V / 24 V, storage battery, maintenance free tape, 180AH rating. MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the Diesel Engine Driven Fire Pump over cement concrete foundation using suitable size anti vibration mounting arrangements.</p> <p>All works including conveying, fixing and incidental charges, etc., completed as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.</p>	Each	1334500.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0835	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 2850 LPM against a total head of 70 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 68 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS &amp; IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre filter, after filter etc.</p> <p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting of the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipments as per specification, stop soleneid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour etc., as required.</p> <p>g. 12 V / 24 V, storage battery, maintenance free tape, 180AH rating. MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the Diesel Engine Driven Fire Pump over cement concrete foundation using suitable size anti vibration mounting arrangements.</p> <p>All works including conveying, fixing and incidental charges, etc., completed as per standard specification and as directed by the Departmental Officers. (Make: KIRLOSKAR / EQUIVALENT).</p>	Each	1207500.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0836	Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump rated for 2850 LPM at 70 metres head with Electrical Motor of 60HP of 415 volt, 3 phase connection complete with base plate and accessories. (Make Kirloskar or Equivalent). The rate inclusive of necessary vibration, bed mounting, etc., as per standard specifications and as directed by the Departmental Officers	Each	613500.00
M-0837	<p>Supply, installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of followings complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 1620 LPM against a total head of 40 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 210-1978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 36 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS &amp; IS standard complete.</p> <p>c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre filter, after filter etc.,</p> <p>e. Exhaust system having flexible metallic muffler, 100mm dia MS heavy pipe extended upto 1m outside pump house duly insulated with 50mm thick glass wool with 1mm thick aluminium sheet cladding, residential silencer with necessary MS support arrangements from wall or ceiling as per site condition.</p> <p>f. Dash board consisting of the instruments like Temperature Gauge, Galvano Type DC Ammeter, Lubricant Oil Pressure Gauge, Ignition Switch, Emergency Stop and all other protection equipments as per specification, stop soleneid for auto stop in the event of fault with audio indications, painted with Post Office Red Colour etc., as required.</p> <p>g. 12 V / 24 V, storage battery, maintenance free tape, 180AH rating. MS fabricated common base plate, coupling guard, foundation bolts, etc., as required.</p> <p>h. Positioning the Diesel Engine Driven Fire Pump over cement concrete foundation using suitable size anti vibration mounting arrangements.</p> <p>All works including conveying, fixing and incidental charges, etc., completed as per standard specification and as directed by the Departmental Officers. (Make: KIRLOSKAR / EQUIVALENT).</p>	Each	947700.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0838	Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump rated for 1620 LPM at 40 metres head with Electrical Motor of 35HP of 415 volt, 3 phase connection complete with base plate and accessories. (Make Kirloskar or Equivalent). The rate inclusive of necessary vibration, bed mounting, etc., as per standard specifications and as directed by the Departmental Officers.	Each	293000.00
M-0839	Supply, Installing, testing and commissioning of Stainless Steel Corrugated Flexible Braided Pipe (Hose) for dropping sprinklers below false ceiling. Pipe shall be 16 bar pressure rating and 1500mm long, 25mm dia with union / reducer, collar, clamps, etc. It shall have UL listed and FM approved.	Each	2562.00
M-0840	Supply, Installing, testing and commissioning of Stainless Steel Corrugated Flexible Braided Pipe (Hose) for dropping sprinklers below false ceiling. Pipe shall be 16 bar pressure rating and 1000mm long, 25mm dia with union / reducer, collar, clamps, etc. It shall have UL listed and FM approved.	Each	1890.00
M-0841	Supplying and installing of approved type Rosette Plates (Recessed Type in Two Pieces) for sprinklers below false ceiling area. The Rosette shall be fabricated by MS plate of 2mm thick and the finish shall be powder coated and colour, as directed by the Departmental Officers.	Each	241.50
M-0842	Supply and kept in position of 9 litres capacity Fire Buckets of 4 Nos. with Bucket Stand as per standard specifications and as directed by the Departmental Officers	Each	5827.00
M-0843	Supply and fixing in position of Fire Fighting Duct Window having proper glass window type double door with universe open key, painted inside white and outside post office red for the sizes of 1300 x 900 x 500mm (L x B x D) fabricated using 25 x 3mm MS 'L' Angle and all sides covered with 2mm thick MS sheets, suitable arrangements to kept 2 Nos. of Fire Fighting Hoses and 1 No. Branch Pipe, mounted in fire duct using anchor fasteners, etc., as per standard specifications and as per directed by the Departmental Officers.	Each	58380.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0844	Supply, erection, testing and commissioning of 180 LPM, 70 metres Head Pressurization Pump with 10HP electrical motor of Kirloskar make with suitable base frame including necessary vibration bad mounting etc., including conveying, fixing and incidental charges, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.	Each	118900.00
M-0845	Supply, erection, testing and commissioning of Fire Fighting 4 Way Fire Brigade Inlet with necessary gun metal 63mm dia non return spring shutter arrangements, so that to control one way flow at the time of emergency water supply by fire and rescue service fire engine entry including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIARTAR / OMEX / EQUIVALENT.	Each	16914.00
M-0846	Supply, erection, testing and commissioning of Air Release Valve of 20mm dia, so as to release airlock in 100mm dia MS pipe at top most wet riser, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KARTAR / EQUIVALENT.	Each	1690.00
	Providing, fixing pipe supports from columns / wall or suspenders from roof slab to suit various dia of pipes made out of GI / MS adjustable rods threaded for a sufficient length to adjust the height of support along with clamping arrangement for holding pipes of anchor fastening, arrangement design of hanger and should confirm with specification.		
M-0847	100mm dia	Each	325.50
M-0848	80mm dia	Each	313.90
M-0849	50mm dia	Each	290.80
M-0850	40mm dia	Each	162.70

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0851	Supply and fixing of stored pressure ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher of 6 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	5248.00
M-0852	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg. capacity Fire Extinguisher as per New IS15683, complete with control valve, discharge hose with horn, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	8748.00
M-0853	Supply and kept in position of Trolley Mounted Water CO <sub>2</sub> Stored Pressure Type 50 litres capacity Fire Extinguisher as per IS13385, complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, mounting trolley with moving wheel, safety clip, etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	24485.00
M-0854	Supply and kept in position of Trolley Mounted Type 22.5 kg. Carbon-di-Oxide Fire Extinguisher as per IS15683, complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, mounting trolley with moving wheel, safety clip, etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	33828.00
M-0855	Servicing the SS Hydrant Valves by disconnecting from pipe line, dismantling, checking the operation of rotating spindle, replacing rubber 'O' ring of valve seating, repalcing rubber gasket of 80mm dia OD x 65mm dia ID, repalcing the 5/8" x 2 1/2 bolt, nut, washers, re-connecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	1690.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-0856	Servicing the First Aid Hose Reel Drum assembly by disconnecting from hydrant line, replacing shut off nozzle, warm clip, lubricating the rotating assembly, replacing 20mm dia, 30 metres long rubber hose, re-connecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	4082.00
	Servicing the following sizes of cast iron body Sluice Valves by disconnecting from hydrant line, dismantling, inspecting the internal shutter, replacing valve seating, checking operating lever, lubricating for moving parts, re-connecting with hydrant system, as per standard methods and as directed by the Departmental Officers.		
M-0857	150mm dia	Each	3148.00
M-0858	100mm dia	Each	2098.00
M-0859	Supply and fixing in position of 12 Volt 180 AH Lead Acid, Sealed Maintenance Free (SMF) batteries with connecting leads, lugs terminal post, etc., as per standard methods and including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT.	Each	29163.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>WATER SUPPLY AND SANITARY ARRANGEMENTS</b>		
	<b>WORKING PRESSURE: 4 kg. per cm<sup>2</sup></b>		
	<b>1. PVC ITEMS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)</b>		
	<b>PVC Pipes</b>		
M-0860	50mm dia	RM	64.75
M-0861	63mm dia	RM	93.75
M-0862	75mm dia	RM	130.40
M-0863	90mm dia	RM	152.00
M-0864	100mm dia	RM	177.50
M-0865	110mm dia	RM	203.10
M-0866	160mm dia	RM	419.70
	<b>WORKING PRESSURE: 6 kg. per cm<sup>2</sup></b>		
	<b>PVC Pipes</b>		
M-0867	50mm dia	RM	101.40
M-0868	63mm dia	RM	137.30
M-0869	75mm dia	RM	195.50
M-0870	90mm dia	RM	232.30
M-0871	100mm dia	RM	268.50
M-0872	110mm dia	RM	304.90
M-0873	160mm dia	RM	595.00
	<b>WORKING PRESSURE: 10 kg. per cm<sup>2</sup></b>		
	<b>PVC Pipes</b>		
M-0874	15mm dia	RM	17.10
M-0875	20mm dia	RM	25.30
M-0876	25mm dia	RM	43.25

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0877	32mm dia	RM	64.75
M-0878	40mm dia	RM	101.40
M-0879	50mm dia	RM	151.90
	NOTE:		
	(1) For Rainwater down fall pipe works, only PVC Pipe of working pressure of <b>4 kg. per sq.cm.</b> shall be adopted.		
	(2) For Sanitary arrangement items of works, only PVC Pipe of working pressure of <b>6 kg. per sq.cm.</b> shall be adopted.		
	(3) For Water Supply arrangement items of works, only PVC Pipe of working pressure of <b>10 kg. per sq.cm.</b> shall be adopted.		
	<b>2. PVC Specials for water supply arrangements</b>		
	<b>2a. Coupler</b>		
M-0880	15mm dia	Each	4.05
M-0881	20mm dia	Each	4.70
M-0882	25mm dia	Each	5.55
M-0883	32mm dia	Each	7.00
M-0884	40mm dia	Each	10.50
M-0885	50mm dia	Each	14.25
	<b>2b. Elbow</b>		
M-0886	15mm dia	Each	6.15
M-0887	20mm dia	Each	7.00
M-0888	25mm dia	Each	9.95
M-0889	32mm dia	Each	14.25
M-0890	40mm dia	Each	20.15
M-0891	50mm dia	Each	28.75
	<b>2c. Bend</b>		
M-0892	15mm dia	Each	7.00
M-0893	20mm dia	Each	8.50

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0894	25mm dia	Each	11.30
M-0895	32mm dia	Each	17.10
M-0896	40mm dia	Each	22.90
M-0897	50mm dia	Each	36.00
	<b>2d. Tee</b>		
M-0898	15mm dia	Each	8.50
M-0899	20mm dia	Each	9.95
M-0900	25mm dia	Each	14.25
M-0901	32mm dia	Each	17.20
M-0902	40mm dia	Each	28.75
M-0903	50mm dia	Each	43.25
	<b>2e. End Cap</b>		
M-0904	15mm dia	Each	4.05
M-0905	20mm dia	Each	5.55
M-0906	25mm dia	Each	7.00
M-0907	32mm dia	Each	8.50
M-0908	40mm dia	Each	13.30
M-0909	50mm dia	Each	18.55
	<b>2f. Reducer</b>		
M-0910	20mm x 15mm	Each	5.55
M-0911	25mm x 20mm	Each	6.15
M-0912	32mm x 25mm	Each	9.95
M-0913	40mm x 32mm	Each	13.30
M-0914	50mm x 40mm	Each	22.90
	<b>2g. Reducer Tee</b>		
M-0915	20mm x 15mm	Each	8.50
M-0916	25mm x 20mm	Each	9.95

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0917	32mm x 25mm	Each	14.25
M-0918	40mm x 32mm	Each	17.20
M-0919	50mm x 40mm	Each	28.75
	<b>2h. Reducer Elbow</b>		
M-0920	20mm x 15mm	Each	7.00
M-0921	25mm x 20mm	Each	8.50
M-0922	32mm x 25mm	Each	11.30
M-0923	40mm x 32mm	Each	14.25
M-0924	50mm x 40mm	Each	21.50
	<b>2i. Jet Nipple</b>		
M-0925	25mm dia	Each	18.55
M-0926	32mm dia	Each	24.25
	<b>2j. PVC Door Bend</b>		
M-0927	15mm dia	Each	7.00
M-0928	20mm dia	Each	8.50
M-0929	25mm dia	Each	11.30
M-0930	32mm dia	Each	17.10
M-0931	40mm dia	Each	22.95
M-0932	50mm dia	Each	33.35
	<b>2k. PVC Door Tee</b>		
M-0933	15mm dia	Each	8.50
M-0934	20mm dia	Each	9.95
M-0935	25mm dia	Each	14.25
M-0936	32mm dia	Each	17.20
M-0937	40mm dia	Each	28.55
M-0938	50mm dia	Each	32.40

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
	<b>I. "O" RING JOINTING</b>		
	<b>1. PVC SPECIALS FOR SANITARY ARRANGEMENTS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)</b>		
	<b>1a. Elbow</b>		
M-0939	75mm	Each	75.90
M-0940	90mm	Each	97.30
M-0941	110mm	Each	118.00
M-0942	160mm	Each	131.90
	<b>1b. Door Elbow</b>		
M-0943	75mm	Each	97.30
M-0944	90mm	Each	125.20
M-0945	110mm	Each	153.00
M-0946	160mm	Each	181.00
	<b>1c. Tee</b>		
M-0947	75mm	Each	104.10
M-0948	90mm	Each	131.90
M-0949	110mm	Each	173.70
M-0950	160mm	Each	195.20
	<b>1d. Tee with Door (Single)</b>		
M-0951	75mm	Each	131.90
M-0952	90mm	Each	159.90
M-0953	110mm	Each	201.70
M-0954	160mm	Each	243.60
	<b>1e. Tee with Door (Double)</b>		
M-0955	75mm	Each	166.90
M-0956	90mm	Each	229.60

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-0957	110mm	Each	278.90
M-0958	160mm	Each	319.70
	<b>1f. Bend</b>		
M-0959	75mm	Each	83.40
M-0960	90mm	Each	104.10
M-0961	110mm	Each	125.20
M-0962	160mm	Each	139.10
	<b>1g. "Y"</b>		
M-0963	75mm	Each	111.40
M-0964	90mm	Each	139.10
M-0965	110mm	Each	181.10
M-0966	160mm	Each	201.70
	<b>1h. "Y" with Door (Single)</b>		
M-0967	75mm	Each	131.90
M-0968	90mm	Each	167.20
M-0969	110mm	Each	223.10
M-0970	160mm	Each	256.30
	<b>1i. "Y" with Door (Double)</b>		
M-0971	75mm	Each	181.00
M-0972	90mm	Each	243.30
M-0973	110mm	Each	292.70
M-0974	160mm	Each	353.90
	<b>1j. Double Tee with Door (Single)</b>		
M-0975	75mm	Each	229.30
M-0976	90mm	Each	263.30

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-0977	110mm	Each	311.60
M-0978	160mm	Each	348.00
	<b>1k. Double "Y" with Door (Single)</b>		
M-0979	75mm	Each	250.40
M-0980	90mm	Each	278.60
M-0981	110mm	Each	318.60
M-0982	160mm	Each	389.20
	<b>1l. Reducer</b>		
M-0983	75mm x 63mm	Each	76.00
M-0984	110mm x 63mm	Each	97.30
M-0985	110mm x 75mm	Each	111.40
M-0986	110mm x 90mm	Each	125.10
M-0987	160mm x 110mm	Each	146.00
	<b>II. BY PASTING</b>		
	<b>1. PVC SPECIALS FOR SANITARY ARRANGEMENTS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)</b>		
	<b>1a. Elbow</b>		
M-0988	75mm	Each	62.10
M-0989	90mm	Each	75.00
M-0990	110mm	Each	65.80
M-0991	160mm	Each	111.40
	<b>1b. Door Elbow</b>		
M-0992	75mm	Each	69.60
M-0993	90mm	Each	83.40
M-0994	110mm	Each	131.90
M-0995	160mm	Each	153.30

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
	<b>1c. Tee</b>		
M-0996	75mm	Each	97.30
M-0997	90mm	Each	118.00
M-0998	110mm	Each	159.90
M-0999	160mm	Each	172.90
	<b>1d. Tee with Door (Single)</b>		
M-1000	75mm	Each	125.20
M-1001	90mm	Each	139.10
M-1002	110mm	Each	187.80
M-1003	160mm	Each	223.10
	<b>1e. Tee with Door (Double)</b>		
M-1004	75mm	Each	159.90
M-1005	90mm	Each	208.50
M-1006	110mm	Each	264.10
M-1007	160mm	Each	283.90
	<b>1f. Bend</b>		
M-1008	75mm	Each	69.60
M-1009	90mm	Each	83.40
M-1010	110mm	Each	104.10
M-1011	160mm	Each	118.00
	<b>1g. "Y"</b>		
M-1012	75mm	Each	104.10
M-1013	90mm	Each	125.20
M-1014	110mm	Each	167.10
M-1015	160mm	Each	181.10

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
	<b>1h. "Y" with Door (Single)</b>		
M-1016	75mm	Each	125.20
M-1017	90mm	Each	146.00
M-1018	110mm	Each	195.20
M-1019	160mm	Each	226.90
	<b>1i. "Y" with Door (Double)</b>		
M-1020	75mm	Each	173.70
M-1021	90mm	Each	223.10
M-1022	110mm	Each	277.70
M-1023	160mm	Each	318.60
	<b>1j. Double Tee with Door (Single)</b>		
M-1024	75mm	Each	187.80
M-1025	90mm	Each	215.70
M-1026	110mm	Each	271.60
M-1027	160mm	Each	305.70
	<b>1k. Double "Y" with Door (Single)</b>		
M-1028	75mm	Each	208.10
M-1029	90mm	Each	236.60
M-1030	110mm	Each	298.60
M-1031	160mm	Each	348.00
	<b>1l. Reducer</b>		
M-1032	75mm x 63mm	Each	62.10
M-1033	110mm x 63mm	Each	83.40
M-1034	110mm x 75mm	Each	97.30
M-1035	110mm x 90mm	Each	111.40
M-1036	160mm x 110mm	Each	139.10

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
	<b>1m. Shoe</b>		
M-1037	110mm dia	Each	83.40
M-1038	160mm dia	Each	125.10
	<b>1n. Vent Cowl</b>		
M-1039	50mm dia	Each	34.40
M-1040	75mm dia	Each	55.50
M-1041	110mm dia	Each	82.30
	<b>2. PVC AND HDPE PIPES FOR BORE WELLS</b>		
	<b>2a. Special Blue Pipes for Bore Well</b>		
M-1042	110mm dia	RM	346.00
M-1043	125mm dia	RM	388.00
M-1044	140mm dia	RM	447.00
M-1045	160mm dia	RM	505.00
	<b>2b. Special Blue Slotted Pipes for Bore Wells</b>		
M-1046	110mm dia	RM	360.00
M-1047	125mm dia	RM	411.00
M-1048	140mm dia	RM	476.00
M-1049	160mm dia	RM	579.00
	<b>2c. End Cap for Bore Well</b>		
M-1050	110mm dia	Each	108.40
M-1051	125mm dia	Each	116.00
M-1052	140mm dia	Each	130.50
M-1053	160mm dia	Each	144.30
	<b>2d. HDPE PIPES FOR SUB-MERSIBLE PUMP IN BORE WELL Class-5 (1 MPa or 10 kg./cm2 pressure)</b>		
M-1054	20mm dia	RM	35.70

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-1055	25mm dia	RM	64.70
M-1056	32mm dia	RM	86.80
M-1057	40mm dia	RM	122.80
M-1058	50mm dia	RM	173.90
<b>III. OTHER ITEMS</b>			
M-1059	1.0 HP Jet Pump Set	Each	9012.00
M-1060	1.5 HP Jet Pump Set	Each	15450.00
M-1061	2.0 HP Jet Pump Set	Each	13920.00
M-1062	3.0 HP Jet Pump Set	Each	25755.00
M-1063	1.0 HP Monoblock Pump	Each	8160.00
M-1064	2.0 HP Monoblock Pump	Each	12240.00
M-1065	5.0 HP Monoblock Pump	Each	35700.00
M-1066	2.0 HP Submersible Pump	Each	15450.00
M-1067	3.0 HP Submersible Pump	Each	35490.00
M-1068	5.0 HP Submersible Pump	Each	52520.00
M-1069	7.5 HP Submersible Pump	Each	84130.00
M-1070	10.0 HP Submersible Pump	Each	102000.00
M-1071	3 Phase Panel Board including labour charges	Each	13390.00
M-1072	Nylon Rope for Bore-well	RM	61.80
	UPVC Pipe (Un-Plasticized Polyvinyl Chloride) UPVC used for residential and home applications, water pressure in residential areas do not normally exceed the maximum tolerance. (Schedule-40)		
M-1073	15mm dia	RM	42.60
M-1074	20mm dia	RM	61.20
M-1075	25mm dia	RM	88.80
M-1076	32mm dia	RM	120.50

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-1077	40mm dia	RM	133.70
M-1078	50mm dia	RM	184.20
M-1079	65mm dia	RM	273.90
M-1080	80mm dia	RM	350.30
M-1081	100mm dia	RM	459.80
M-1082	150mm dia	RM	767.80
	UPVC Pipe (Un-Plasticized Polyvinyl Chloride) UPVC used for commercial applications operate and designed to handle higher water pressure (Schedule-80)		
M-1083	15mm dia	RM	53.50
M-1084	20mm dia	RM	75.60
M-1085	25mm dia	RM	107.40
M-1086	32mm dia	RM	148.10
M-1087	40mm dia	RM	182.20
M-1088	50mm dia	RM	248.10
M-1089	65mm dia	RM	353.80
M-1090	80mm dia	RM	509.10
M-1091	100mm dia	RM	754.90
M-1092	150mm dia	RM	1260.00
	CPVC Pipe (Chlorinated Poly Vinyl Chloride) (Higher pressure rating with higher pipe thickness) Standard Dimension Ratio-11		
M-1093	15mm dia	RM	77.50
M-1094	20mm dia	RM	117.60
M-1095	25mm dia	RM	183.40
M-1096	32mm dia	RM	273.90

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-1097	40mm dia	RM	301.00
M-1098	50mm dia	RM	328.00
M-1099	65mm dia	RM	356.20
M-1100	80mm dia	RM	446.20
M-1101	100mm dia	RM	682.00
M-1102	150mm dia	RM	997.00
	CPVC Pipe (Chlorinated Poly Vinyl Chloride) (Lesser pressure rating with lesser pipe thickness) Standard Dimension Ratio-13.50		
M-1103	15mm dia	RM	67.90
M-1104	20mm dia	RM	107.80
M-1105	25mm dia	RM	156.50
M-1106	32mm dia	RM	237.50
M-1107	40mm dia	RM	262.10
M-1108	50mm dia	RM	285.60
M-1109	65mm dia	RM	309.20
M-1110	80mm dia	RM	330.70
M-1111	100mm dia	RM	498.70
M-1112	150mm dia	RM	735.00
	<b>UPVC Specials</b>		
	<b>a. Elbow</b>		
M-1113	50mm dia	Each	87.80
M-1114	40mm dia	Each	58.40
M-1115	32mm dia	Each	43.80
M-1116	25mm dia	Each	29.10
M-1117	20mm dia	Each	17.90
M-1118	15mm dia	Each	11.90

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
	<b>b. Tee</b>		
M-1119	50mm dia	Each	121.80
M-1120	40mm dia	Each	75.60
M-1121	32mm dia	Each	57.00
M-1122	25mm dia	Each	38.50
M-1123	20mm dia	Each	22.20
M-1124	15mm dia	Each	15.80
	<b>c. Union</b>		
M-1125	20mm dia	Each	41.20
M-1126	15mm dia	Each	33.00
M-1127	25mm dia	Each	66.20
M-1128	32mm dia	Each	89.40
M-1129	40mm dia	Each	132.60
M-1130	50mm dia	Each	282.20
	<b>d. Bend</b>		
M-1131	50mm dia	Each	82.30
M-1132	40mm dia	Each	58.80
M-1133	32mm dia	Each	41.10
M-1134	25mm dia	Each	32.80
M-1135	20mm dia	Each	23.50
	<b>e. Coupler</b>		
M-1136	50mm dia	Each	71.00
M-1137	40mm dia	Each	51.60
M-1138	32mm dia	Each	41.60
M-1139	25mm dia	Each	32.70

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-1140	20mm dia	Each	22.70
M-1141	15mm dia	Each	17.80
	<b>f. Reducer</b>		
M-1142	50mm x 40mm dia	Each	60.00
M-1143	40mm x 32mm dia	Each	38.50
M-1144	32mm x 25mm dia	Each	27.90
M-1145	25mm x 20mm dia	Each	16.90
M-1146	20mm x 15mm dia	Each	12.40
	<b>g. Reducer Elbow</b>		
M-1147	50mm x 40mm dia	Each	117.10
M-1148	40mm x 32mm dia	Each	80.50
M-1149	32mm x 25mm dia	Each	58.40
M-1150	25mm x 20mm dia	Each	38.30
M-1151	20mm x 15mm dia	Each	31.70
	<b>h. Reducer Tee</b>		
M-1152	50mm x 40mm dia	Each	134.00
M-1153	40mm x 32mm dia	Each	89.40
M-1154	32mm x 25mm dia	Each	64.70
M-1155	25mm x 20mm dia	Each	38.50
M-1156	20mm x 15mm dia	Each	30.70
	<b>i. Hex Nipple</b>		
M-1157	50mm dia	Each	188.10
M-1158	40mm dia	Each	124.90
M-1159	32mm dia	Each	81.60

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-1160	25mm dia	Each	58.40
M-1161	20mm dia	Each	30.80
M-1162	15mm dia	Each	22.30
	<b>CPVC Specials</b>		
	<b>a. Elbow</b>		
M-1163	50mm dia	Each	367.50
M-1164	40mm dia	Each	178.50
M-1165	32mm dia	Each	107.40
M-1166	25mm dia	Each	50.50
M-1167	20mm dia	Each	23.90
M-1168	15mm dia	Each	20.70
	<b>b. Tee</b>		
M-1169	50mm dia	Each	463.00
M-1170	40mm dia	Each	245.70
M-1171	32mm dia	Each	137.20
M-1172	25mm dia	Each	60.90
M-1173	20mm dia	Each	39.20
M-1174	15mm dia	Each	27.90
	<b>c. Bend</b>		
M-1175	25mm dia	Each	47.00
M-1176	20mm dia	Each	37.50
M-1177	15mm dia	Each	29.40
	<b>d. Coupling</b>		
M-1178	50mm dia	Each	252.60
M-1179	40mm dia	Each	121.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-1180	32mm dia	Each	65.90
M-1181	25mm dia	Each	32.70
M-1182	20mm dia	Each	19.10
M-1183	15mm dia	Each	15.90
	<b>e. Union</b>		
M-1184	50mm dia	Each	666.00
M-1185	40mm dia	Each	369.00
M-1186	32mm dia	Each	223.40
M-1187	25mm dia	Each	138.70
M-1188	20mm dia	Each	109.90
M-1189	15mm dia	Each	70.50
	<b>f. Nipple</b>		
M-1190	50mm dia	Each	441.00
M-1191	40mm dia	Each	279.80
M-1192	32mm dia	Each	191.60
M-1193	25mm dia	Each	122.70
M-1194	20mm dia	Each	80.90
M-1195	15mm dia	Each	73.70
	<b>Couplers and Threading of Rebars</b>		
	Coupler Dia - 16mm		
M-2313	(i) coupler	Each	38.00
M-2314	(ii) Threading ( Both sides )	Each	22.00
	Coupler Dia -20mm		
M-2315	(i) coupler	Each	60.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
M-2316	(ii) Threading ( Both sides )	Each	26.00
	Couplers Dia -25mm		
M-2317	(i) coupler	Each	80.00
M-2318	(ii) Threading ( Both sides )	Each	30.00
	Couplers Dia -32mm		
M-2319	(i) coupler	Each	145.00
M-2320	(ii) Threading ( Both sides )	Each	34.00
	20mm x 16mm Reducer		
M-2321	(i) coupler	Each	65.00
M-2322	(ii) Threading ( Both sides )	Each	24.00
	25mm x 20mm Reducer		
M-2323	(i) coupler	Each	85.00
M-2324	(ii) Threading ( Both sides )	Each	28.00
	32mm x 25mm Reducer		
M-2325	(i) coupler	Each	150.00
M-2326	(ii) Threading ( Both sides )	Each	32.00
<b>Note:</b>	The Basic Rate adopted under this Head, "Annexure-VI – Rates of Other Construction Materials" is exclusive of all taxes and GST.		

**ANNEXURE-VII**

**RATES OF ELECTRICAL ITEMS OF WORKS**

<b>Note:</b>	<b>No extra cost on conveyance charges shall be allowed for all the items included under this category. The rates approved therein are applicable at site of work.</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>RATES FOR MATERIALS: ELECTRICAL LAMPS, FITTINGS AND CONNECTED ACCESSORIES.</b>		
<b>I</b>	<b>PART "A"</b>		
<b>1</b>	<b>INCANDESCENT BULBS 230V/250V GRADE BC/ES WITH ISI</b>		
M-1196	15 Watts	Each	DELETED
M-1197	25 Watts	Each	DELETED
M-1198	40 Watts	Each	DELETED
M-1199	60 Watts	Each	DELETED
M-1200	100 Watts	Each	DELETED
M-1201	200 Watts	Each	DELETED
<b>2</b>	<b>INCANDESCENT BULB 230V/250V GRADE BC/ES</b>		
M-1202	Colour 15 Watts	Each	DELETED
M-1203	Blended Lamp 160 Watts	Each	DELETED
<b>3</b>	<b>PL LAMP</b>		
M-1204	9 Watts	Each	DELETED
M-1205	11 Watts	Each	DELETED
M-1206	18 Watts	Each	DELETED
M-1207	36 Watts	Each	DELETED
<b>4</b>	<b>FLUORESCENT TUBULAR LAMPS WITH ISI MARK</b>		
M-1208	Cool Day Light 2 Ft. 20 Watts	Each	37.80
M-1209	Cool Day Light 4 Ft. 40 Watts	Each	37.80
M-1210	Cool Day Light 4 Ft. 36 Watts	Each	36.90

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>5</b>	<b>CRYSTAL GLASS LED TUBE LIGHT FITTING</b>		
M-1211	4' 18W Crystal Glass LED Tube Light Fitting	Each	405.00
<b>6</b>	<b>MERCURY VAPOUR DISCHARGE LAMP 230V GRADE 3 PIN BC</b>		
M-1212	80 Watts	Each	DELETED
M-1213	125 Watts	Each	DELETED
M-1214	250 Watts	Each	DELETED
M-1215	400 Watts	Each	DELETED
<b>7</b>	<b>BOX TYPE SINGLE FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR COMPLETE WITH ISI MARK</b>		
M-1216	4 Ft. 40 Watts with Ballast (Lower End)	Each	322.50
M-1217	4 Ft. 40 Watts with Ballast (Higher End)	Each	474.00
<b>8</b>	<b>BOX TYPE TWIN FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR (HPF) COMPLETE WITH ISI MARK</b>		
M-1218	4 Ft. 40 Watts with Ballast (Lower End)	Each	605.00
M-1219	4 Ft. 40 Watts with Ballast (Higher End)	Each	792.00
<b>9</b>	<b>INDUSTRIAL TYPE FLUORESCENT FITTING STOVE ENAMELLED WITH COPPER CHOKE AND CONDENSOR (HPF) 4' 40 W</b>		
M-1220	Single type suitable for 1 No. Tube	Each	893.00
M-1221	Twin type suitable for 2 Nos. Tube	Each	1097.00
<b>10</b>	<b>DECORATIVE TWIN FLUORESCENT TYPE FITTING WITH COPPER CHOKE &amp; CONDENSOR COMPLETE SUITABLE FOR 2 Nos. FLUORESCENT TUBES</b>		
M-1222	4' 40 W Twin Mirror Optic Recessed Mounting Type Fitting (Lower End)	Each	1540.00
M-1223	4' 40 W Twin Mirror Optic Recessed Mounting Type Fitting (Higher End)	Each	2035.00
M-1224	4' 40 W Twin Mirror Optic Suspension Type Fitting	Each	2775.00
<b>11</b>	<b>SINGLE TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR THE ONE No. FLUORESCENT TUBE WITH COPPER CHOKE &amp; CONDENSOR COMPLETE</b>		
M-1225	4 Ft. 40 Watts Type	Each	677.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>12</b>	<b>TWIN TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR 2 Nos. FLUORESCENT TUBES WITH COPPER CHOKE &amp; CONDENSOR COMPLETE</b>		
M-1226	4 Ft. 40 Watts Type	Each	911.00
<b>13</b>	<b>POST TOP LANTERN FITTING OF INTEGRAL TYPE WITH COPPER CHOKE &amp; CONDENSOR &amp; NECESSARY ACCESSORIES (SPHERICAL / RIBBED / CONICAL ACRYLIC COVER)</b>		
M-1227	Suitable for 125 Watts MV Lamp	Each	DELETED
M-1228	Suitable for 70 Watts SV Lamp	Each	DELETED
M-1229	Post top lantern fitting with SC holder suitable for 160W Blended Lamp / Incandescent Lamp	Each	DELETED
<b>14</b>	<b>CFL STREET LIGHT FITTINGS - HIGHER END (COMPACT FLOURESCENT LAMP)</b>		
M-1230	T5 Street Light (IP65) with EB / 4 x 14W T5	Each	DELETED
M-1231	T5 Street Light (IP65) with EB / 4 x 24W T5	Each	DELETED
M-1232	1 x 9W CFL Street Light	Each	DELETED
M-1233	1 x 11W CFL Street Light	Each	DELETED
M-1234	1 x 13W CFL Street Light	Each	DELETED
M-1235	1 x 18W CFL Street Light	Each	DELETED
M-1236	2 x 9W CFL Street Light	Each	DELETED
M-1237	2 x 11W CFL Street Light	Each	DELETED
M-1238	2 x 13W CFL Street Light	Each	DELETED
M-1239	2 x 18W CFL Street Light	Each	DELETED
M-1240	1 x 36W CFL Street Light	Each	DELETED
M-1241	45-1 x 45W 4U Retro CFL B22 Street Light	Each	DELETED
M-1242	CFL - 1 x 85W CFL E27 Street Light	Each	DELETED
M-1243	CFL - 1 x 85W CFL B22 Street Light	Each	DELETED
M-1244	36WFP-LHF(MS) Street Light	Each	DELETED
M-1245	36WFP-LHF(AL) Street Light	Each	DELETED

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1246	T5 1 x 24W FTL T5 Street Light	Each	DELETED
M-1247	T5 2 x 14W FTL T5 Street Light	Each	DELETED
M-1248	T5 2 x 24W FTL T5 Street Light	Each	DELETED
M-1249	FTL 1 x 36 / 40W FTL Street Light	Each	DELETED
M-1250	FTL 2 x 36 / 40W FTL Street Light	Each	DELETED
<b>14</b>	<b>CFL STREET LIGHT FITTINGS - LOWER END (COMPACT FLOURESCENT LAMP)</b>		
M-1251	T5 Street Light (IP65) with EB / 4 x 14W T5	Each	DELETED
M-1252	T5 Street Light (IP65) with EB / 4 x 24W T5	Each	DELETED
M-1253	1 x 9W CFL Street Light	Each	DELETED
M-1254	1 x 11W CFL Street Light	Each	DELETED
M-1255	1 x 13W CFL Street Light	Each	DELETED
M-1256	1 x 18W CFL Street Light	Each	DELETED
M-1257	2 x 9W CFL Street Light	Each	DELETED
M-1258	2 x 11W CFL Street Light	Each	DELETED
M-1259	2 x 13W CFL Street Light	Each	DELETED
M-1260	2 x 18W CFL Street Light	Each	DELETED
M-1261	1 x 36W CFL Street Light	Each	DELETED
M-1262	45-1 x 45W 4U Retro CFL B22 Street Light	Each	DELETED
M-1263	CFL - 1 x 85W CFL E27 Street Light	Each	DELETED
M-1264	CFL - 1 x 85W CFL B22 Street Light	Each	DELETED
M-1265	36WFP-LHF(MS) Street Light	Each	DELETED
M-1266	36WFP-LHF(AL) Street Light	Each	DELETED
M-1267	T5 1 x 24W FTL T5 Street Light	Each	DELETED
M-1268	T5 2 x 14W FTL T5 Street Light	Each	DELETED
M-1269	T5 2 x 24W FTL T5 Street Light	Each	DELETED

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1270	FTL 1 x 36 / 40W FTL Street Light	Each	DELETED
M-1271	FTL 2 x 36 / 40W FTL Street Light	Each	DELETED
<b>15</b>	<b>4 FEET LED FITTING - HIGHER END</b>		
M-1272	18W 4 Feet LED Fitting with LED	Each	795.00
M-1273	20W 4 Feet LED Fitting with LED	Each	806.50
<b>15</b>	<b>4 FEET LED FITTING - LOWER END</b>		
M-1274	18W 4 Feet LED Fitting with LED	Each	677.00
M-1275	20W 4 Feet LED Fitting with LED	Each	789.50
M-1276	1 x 18W / 22W 4 Feet LED Fitting without LED Tube	Each	314.50
M-1277	2 x 22W 4 Feet LED Fitting without LED Tube	Each	366.50
M-1278	20W LED Tube Light for T8 Fitting (Single Side)	Each	645.50
M-1279	20W LED Tube Light for T8 Fitting (Double Side)	Each	399.00
M-1280	18W LED Tube Light for T8 Fitting (Single Side)	Each	636.00
M-1281	18W LED Tube Light for T8 Fitting (Double Side)	Each	390.50
M-1282	7W / 9W LED Bulb	Each	141.00
M-1283	15W LED Bulb	Each	282.00
<b>16</b>	<b>LED INDOOR FITTINGS (LIGHT EMITTING DIODE) HIGHER END</b>		
M-1284	24W LED 4000K 2 x 2 Square Type Recessed Fitting with LED	Each	3702.00
M-1285	18W LED 3000K Square Type Recessed Fitting with LED	Each	1446.00
M-1286	18W LED 3000K Round Type Recessed Fitting with LED	Each	1310.00
<b>16</b>	<b>LED INDOOR FITTINGS (LIGHT EMITTING DIODE) LOWER END</b>		
M-1287	24W LED 4000K 2 x 2 Square Type Recessed Fitting with LED	Each	2623.00
M-1288	18W LED 3000K Square Type Recessed Fitting with LED	Each	954.00
M-1289	18W LED 3000K Round Type Recessed Fitting with LED	Each	1036.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>17</b>	<b>LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE) HIGHER END</b>		
M-1290	30W LED Street Light Fitting with LED	Each	2640.00
M-1291	48W LED Street Light Fitting with LED	Each	5216.00
M-1292	80W LED Focus Light Fitting with LED	Each	12424.00
M-1293	120W LED Street Light Fitting with LED	Each	14681.00
M-1294	150W LED Street Light Fitting with LED	Each	18307.00
<b>18</b>	<b>LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE) LOWER END</b>		
M-1295	25W LED Street Light Fitting with LED	Each	1246.00
M-1296	30W LED Street Light Fitting with LED	Each	1939.00
M-1297	60W LED Street Light Fitting with LED	Each	3833.00
M-1298	120W LED Street Light Fitting with LED	Each	12424.00
M-1299	150W LED Street Light Fitting with LED	Each	14681.00
<b>19</b>	<b>LED FLOOD LIGHT - HIGHER END</b>		
M-1300	LED Flood Light 100W with Integrated Driver	Each	9893.00
M-1301	LED Flood Light 120W with Integrated Driver	Each	10830.00
M-1302	LED Flood Light 150W with Integrated Driver	Each	13647.00
<b>20</b>	<b>TIMER SWITCHES</b>		
M-1303	24 Hours Analog Timer Switch with Shortest Switching Time 30 Minutes	Each	2407.00
M-1304	24 Hours Programmable Timer Switch with Shortest Switching Time 15 Minutes	Each	2558.00
M-1305	Digital Weekly Programmable Timer Switch with Shortest Switching Time 1 Minute	Each	2397.00
M-1306	Astronomical Weekly Programmable Timer Switch	Each	2759.00
M-1307	Staircase Light Timer Switch Adjustable Range 5 to 20 Minutes	Each	1267.00
M-1308	63A 3 Phase 4 Pole Contactor		5622.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>22</b>	<b>STARTERS FOR FLUORESCENT TUBES</b>		
M-1309	Starters of capacity 20 Watts	Each	9.85
M-1310	Starters of capacity 40 Watts / 36 Watts	Each	9.85
<b>23</b>	<b>POLYSTER FILLED COPPER CHOKE 250V / 50HZ GRADE SUITABLE FOR</b>		
M-1311	20 Watts Fluorescent Tube	Each	215.70
M-1312	40 Watts Fluorescent Tube	Each	215.70
M-1313	36 / 40W Electronic Ballast for Fluorescent Tube (Higher End)	Each	357.70
M-1314	36 / 40W Electronic Ballast for Fluorescent Tube (Lower End)	Each	291.70
<b>24</b>	<b>CONDENSOR FOR SV / MV LAMP</b>		
M-1315	8 Mfd for 80 Watts Bulb	Each	DELETED
M-1316	10 Mfd for 125 Watts Bulb	Each	DELETED
M-1317	15 Mfd for 250 Watts Bulb	Each	DELETED
M-1318	20 Mfd for 400 Watts Bulb	Each	DELETED
M-1319	Battern Type Bakelite Holder for Lamp	Each	17.30
M-1320	Water Tight Bulk Head Fitting suitable for 100 / 60 Watts Lamp with Guard Heavy Type	Each	290.00
M-1321	Ceiling Rose	Each	14.40
M-1322	Ceiling Fixtures 250 / 300mm complete with gallery, etc. Clear Glass Opac / Crystal suitable for 40 / 60 Watts Bulb	Each	171.00
M-1323	Ceiling Luminaire with Mirror Optics suitable for 2 Nos. 9 Watts / 11 Watts	Each	1085.00
	<b>(For Unique Code M-1261 to M-1271, M-1322 &amp; M-1323, the rates are exclusive of cost of Tubes and Lamps)</b>		
M-1324	Fan Clamp (Dia 12mm) with 6mm MS Side Plates & 45cm Cross Arm	Each	110.90
<b>25</b>	<b>CALL BELLS</b>		
M-1325	Call Bell / Buzzer 6mm suitable for AC / DC	Each	43.50

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1326	Push Bell	Each	17.30
M-1327	Gong Bell 9" size suitable for 250V	Each	435.70
M-1328	Gong Bell 12" size suitable for 250V	Each	629.00
<b>26</b>	<b>WATER HEATER WITH ISI MARK</b>		
M-1329	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W (Higher End)	Each	8627.00
M-1330	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W (Lower End)	Each	6385.00
M-1331	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 35 Litres capacity 230V / 1000W (Higher End)	Each	9907.00
M-1332	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 35 Litres capacity 230V / 1000W (Lower End)	Each	7399.00
<b>II</b>	<b>PART "B"</b>		
<b>1</b>	<b>FANS - CONFORMING TO ISS</b>		
M-1333	AC Ceiling Fan complete 1200 mm (48") Sweep with 300mm Down Rod (without Regulator)	Each	1427.00
M-1334	AC Ceiling Fan Complete 1400 mm (56") Sweep with 300mm Down Rod (without Regulator)	Each	1530.00
M-1335	Stepped Electronic 300W / 450W Square Type Fan Regulator	Each	243.00
M-1336	Dimmer Type Electronic 300W / 450W Square Type Fan Regulator	Each	194.00
M-1337	AC Ceiling Fan complete 1200mm (48") Sweep with 300mm Down Rod (without Regulator) (Higher End)	Each	1618.00
M-1338	AC Ceiling Fan complete 1400mm (56") Sweep with 300mm Down Rod (without Regulator) (Higher End)	Each	1746.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>2</b>	<b>EXHAUST FANS</b>		
M-1339	AC Exhaust Fan 225mm (9") Sweep (Light Duty)	Each	1321.00
M-1340	AC Exhaust Fan 300mm (12") Sweep (Light Duty)	Each	1512.00
M-1341	AC Exhaust Fan 375mm (15") Sweep (Light Duty)	Each	1559.00
M-1342	AC Exhaust Fan 450mm (18") Sweep (Light Duty)	Each	2194.00
M-1343	AC Exhaust Fan 300mm (12") Sweep (Heavy Duty)	Each	2257.00
M-1344	AC Exhaust Fan 375mm (15") Sweep (Heavy Duty)	Each	2881.00
M-1345	AC Exhaust Fan 450mm (18") Sweep (Heavy Duty)	Each	3584.00
<b>3</b>	<b>LOUVER SHUTTERS ARRANGEMENTS</b>		
M-1346	MS / Fibre Louvers Shutters arrangements for 300mm AC Exhaust Fan	Each	222.90
M-1347	MS / Fibre Louvers Shutters arrangements for 375mm AC Exhaust Fan	Each	236.20
M-1348	MS / Fibre Louvers Shutters arrangements for 450mm AC Exhaust Fan	Each	264.30
<b>4</b>	<b>CEILING FAN</b>		
M-1349	48" Ceiling Fan 5 Star Rated (without Regulator) <b>HIGHER END</b>	Each	1824.00
M-1350	48" Ceiling Fan 5 Star Rated (without Regulator) <b>LOWER END</b>	Each	1622.00
M-1351	48" Ceiling Fan High Speed (without Regulator)	Each	1814.00
M-1352	56" Ceiling Fan High Speed (without Regulator)	Each	2610.00
M-1353	BEE Energy efficient 1200mm Sweep Ceiling Fan 5 Star Rated, inverter driven controlled by microprocessor with 300mm down rod with regulator / remote control (35 W)	Each	3281.00
<b>5</b>	<b>WALL MOUNTING FAN</b>		
M-1354	300mm Sweep	Each	2708.00
M-1355	400mm Sweep	Each	2843.00
M-1356	450mm Sweep	Each	4655.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>6</b>	<b>DIMMER AND REGULATOR</b>		
M-1357	Fan Step Regulator 100W - 1 Module - HIGHER END	Each	356.00
M-1358	Fan Step Regulator 100W - 1 Module - LOWER END	Each	256.00
M-1359	Fan Step Regulator 100W - 2 Module - HIGHER END	Each	405.00
M-1360	Fan Step Regulator 100W - 2 Module - LOWER END	Each	291.00
<b>III</b>	<b>PART "C"</b>		
<b>1</b>	<b>SWITCHES</b>		
M-1361	5 Amps (Flush Type)	Dozen	203.00
M-1362	5 Amps (Flush Type Staircase)	Dozen	252.00
<b>2</b>	<b>DOUBLE POLE SWITCHES</b>		
M-1363	16 Amps DP Switch with Metal Clad (Front Handle)	Each	435.00
M-1364	32 Amps DP Switch with Metal Clad (Front Handle)	Each	893.00
M-1365	16 Amps DP Switch with Metal Clad (Side Handle)	Each	359.00
M-1366	32 Amps DP Switch with Metal Clad (Side Handle)	Each	809.00
<b>3</b>	<b>TRIPLE POLE SWITCHES (SIDE HANDLE)</b>		
M-1367	100 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	6133.00
M-1368	125 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	6725.00
M-1369	200 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	8693.00
M-1370	315 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	12330.00
M-1371	400 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	15872.00
M-1372	16 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	928.00
M-1373	32 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	1374.00
M-1374	63 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	2993.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1375	100 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	5895.00
M-1376	200 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	8952.00
<b>4</b>	<b>SWITCH DISCONNECTOR FUSE UNITS IN SHEET STEEL ENCLOSURE (SDF)</b>		
M-1377	63A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	3787.00
M-1378	100A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	6371.00
M-1379	125A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	7523.00
M-1380	200A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	9449.00
M-1381	250A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	11781.00
M-1382	315A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	14127.00
M-1383	400A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	16206.00
<b>5</b>	<b>SWITCH DISCONNECTOR FUSE UNITS IN OPEN EXECUTION (INTERIOR FOR CUBICAL)</b>		
M-1384	63A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	2501.00
M-1385	100A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	4552.00
M-1386	125A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	6210.00
M-1387	200A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	8013.00
M-1388	250A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	10438.00
M-1389	315A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	13124.00
M-1390	400A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	15485.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>6</b>	<b>FUSE UNITS</b>		
M-1391	16 Amps Porcelain Fuse Unit (500V)	Each	50.20
M-1392	32 Amps Porcelain Fuse Unit (500V)	Each	89.00
M-1393	63 Amps Porcelain Fuse Unit (500V)	Each	198.00
M-1394	100Amps Porcelain Fuse Unit (500V)	Each	359.00
M-1395	200 Amps Porcelain Fuse Unit (500V)	Each	579.00
<b>7</b>	<b>SINGLE PHASE DBS</b>		
M-1396	4 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	DELETED
M-1397	6 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	DELETED
M-1398	8 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	DELETED
<b>8</b>	<b>THREE PHASE DBS</b>		
M-1399	4 Way TPDB 16A / Way with Fuse & Neutral Link	Each	DELETED
M-1400	6 Way TPDB 16A / Way with Fuse & Neutral Link	Each	DELETED
M-1401	8 Way TPDB 16A / Way with Fuse & Neutral Link	Each	DELETED
M-1402	4 Way TPDB 32A / Way with Fuse & Neutral Link	Each	DELETED
M-1403	6 Way TPDB 32A / Way with Fuse & Neutral Link	Each	DELETED
M-1404	8 Way TPDB 32A / Way with Fuse & Neutral Link	Each	DELETED
M-1405	4 Way TPDB 63A / Way with Fuse & Neutral Link	Each	DELETED
M-1406	6 Way TPDB 63A / Way with Fuse & Neutral Link	Each	DELETED
<b>9</b>	<b>CHANGE OVER SWITCHES</b>		
M-1407	16 Amps Three Phase 500V 4 Pole Change Over Switch	Each	1314.00
M-1408	32 Amps Three Phase 500V 4 Pole Change Over Switch	Each	1556.00
M-1409	63 Amps Three Phase 500V 4 Pole Change Over Switch	Each	3403.00
M-1410	100 Amps Three Phase 500V 4 Pole Change Over Switch	Each	5410.00
M-1411	125 Amps Three Phase 500V 4 Pole Change Over Switch	Each	9339.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1412	200 Amps Three Phase 500V 4 Pole Change Over Switch	Each	10180.00
M-1413	250 Amps Three Phase 4 Pole Change Over Switch	Each	21536.00
M-1414	400 Amps Three Phase 4 Pole Change Over Switch	Each	32915.00
<b>10</b>	<b>MODULAR SWITCHES - HIGHER END</b>		
<b>A</b>	<b>Switches 6A - 230V</b>		
M-1415	6A Switch 1W - 1 Module	Each	81.60
M-1416	6A Switch 2W - 1 Module	Each	99.70
M-1417	6A Switch 1W - 1 Module with Indicator	Each	109.70
M-1418	6A Switch 1W - 1 Module with 'Light' Marking	Each	88.00
M-1419	6A Switch 1W - 1 Module with 'Fan' Marking	Each	88.00
<b>B</b>	<b>Switches 16A - 230V</b>		
M-1420	16A Switch 1W - 1 Module	Each	123.00
M-1421	16A Switch 2W - 1 Module	Each	152.00
M-1422	16A Switch 1W with Indicator - 1 Module	Each	144.80
<b>C</b>	<b>Switches 20A - 230V</b>		
M-1423	20A 1W Switch - 1 Module	Each	160.00
M-1424	20A DP 1W Switch - 2 Module	Each	267.00
M-1425	20A DP 1W Switch with Indicator - 2 Module	Each	281.00
<b>D</b>	<b>Switches 25A - 230V</b>		
M-1426	25A SP 1W Switch with Indicator - 1 Module	Each	174.00
<b>E</b>	<b>Switches 32A - 230V</b>		
M-1427	32A DP Switch with Indicator - 2 Module	Each	339.80
<b>10</b>	<b>MODULAR SWITCHES - LOWER END</b>		
<b>A</b>	<b>Switches 6A - 230V</b>		
M-1428	6A Switch 1W - 1 Module	Each	60.00
M-1429	6A Switch 2W - 1 Module	Each	70.80

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1430	6A Switch 1W - 1 Module with Indicator	Each	78.00
M-1431	6A Switch 1W - 1 Module with 'Light' Marking	Each	62.50
M-1432	6A Switch 1W - 1 Module with 'Fan' Marking	Each	62.50
<b>B</b>	<b>Switches 16A - 230V</b>		
M-1433	16A Switch 1W - 1 Module	Each	88.00
M-1434	16A Switch 2W - 1 Module	Each	109.50
M-1435	16A Switch 1W with Indicator - 1 Module	Each	104.00
<b>C</b>	<b>Switches 20A - 230V</b>		
M-1436	20A 1W Switch - 1 Module	Each	115.00
M-1437	20A DP 1W Switch - 2 Module	Each	191.00
M-1438	20A DP 1W Switch with Indicator - 2 Module	Each	203.00
<b>D</b>	<b>Switches 25A - 230V</b>		
M-1439	25A SP 1W Switch with Indicator - 1 Module	Each	125.50
<b>E</b>	<b>Switches 32A - 230V</b>		
M-1440	32A DP Switch with Indicator - 2 Module	Each	246.00
<b>11</b>	<b>PUSH BUTTONS - HIGHER END</b>		
M-1441	6A Push Button SP - 1 Module	Each	110.00
M-1442	6A Push Button SP with Indicator - 1 Module	Each	143.50
M-1443	6A Bell Push - 1 Module	Each	109.50
M-1444	6A Bell push with Indicator - 1 Module	Each	135.50
M-1445	6A Bell Push - 2 Module	Each	143.40
M-1446	6A Bell Push with Indicator - 2 Module	Each	168.80
<b>11</b>	<b>PUSH BUTTONS - LOWER END</b>		
M-1447	6A Push Button SP - 1 Module	Each	79.90
M-1448	6A Push Button SP with Indicator - 1 Module	Each	103.30

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1449	6A Bell Push - 1 Module	Each	78.20
M-1450	6A Bell push with Indicator - 1 Module	Each	97.10
M-1451	6A Bell Push - 2 Module	Each	103.30
M-1452	6A Bell Push with Indicator - 2 Module	Each	121.40
<b>12</b>	<b>MOTOR STARTER</b>		
M-1453	25A Motor Starter - 2 Module - HIGHER END	Each	315.20
M-1454	25A Motor Starter - 2 Module - LOWER END	Each	226.90
<b>13</b>	<b>FLUSH MOUNTING BOXES (GI) - HIGHER END</b>		
M-1455	Flush Box - 1/2 Module	Each	38.00
M-1456	Flush Box - 3 Module	Each	44.60
M-1457	Flush Box - 4 Module	Each	54.40
M-1458	Flush Box - 6 Module	Each	85.30
M-1459	Flush Box - 8 Module	Each	104.70
M-1460	Flush Box - 8 Module (2 row x 4)	Each	105.50
M-1461	Flush Box - 12/16 (2 row x 6) Module Metal Box	Each	141.40
M-1462	Flush Box - 18 Module Metal Box	Each	160.80
<b>13</b>	<b>FLUSH MOUNTING BOXES (GI) - LOWER END</b>		
M-1463	Flush Box - 1/2 Module	Each	27.50
M-1464	Flush Box - 3 Module	Each	32.40
M-1465	Flush Box - 4 Module	Each	38.90
M-1466	Flush Box - 6 Module	Each	61.70
M-1467	Flush Box - 8 Module	Each	75.50
M-1468	Flush Box - 8 Module (2 row x 4)	Each	76.30
M-1469	Flush Box - 12/16 (2 row x 6) Module Metal Box	Each	101.60
M-1470	Flush Box - 18 Module Metal Box	Each	115.40

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>14</b>	<b>SURFACE MOUNTING BOXES (PLASTIC) - HIGHER END</b>		
M-1471	Surface Box - 1/2 Module	Each	43.00
M-1472	Surface Box - 3 Module	Each	45.45
M-1473	Surface Box - 4 Module	Each	58.60
M-1474	Surface Box - 6 Module	Each	76.10
M-1475	Surface Box - 8 Module	Each	92.80
M-1476	Surface Box - 8 (2 row x 4) Module	Each	107.60
M-1477	Metal Surface Box - 12/16 (2 row x 6) Module	Each	163.20
M-1478	Metal Surface Box - 18 Module	Each	208.00
<b>14</b>	<b>SURFACE MOUNTING BOXES (PLASTIC) LOWER END</b>		
M-1479	Surface Box - 1/2 Module	Each	30.60
M-1480	Surface Box - 3 Module	Each	33.00
M-1481	Surface Box - 4 Module	Each	42.10
M-1482	Surface Box - 6 Module	Each	55.40
M-1483	Surface Box - 8 Module	Each	67.00
M-1484	Surface Box - 8 (2 row x 4) Module	Each	77.70
M-1485	Metal Surface Box - 12/16 (2 row x 6) Module	Each	117.20
M-1486	Metal Surface Box - 18 Module	Each	149.10
<b>15</b>	<b>COMBINED PLATES (PLASTIC) - HIGHER END</b>		
M-1487	1 Module Cover Plate	Each	63.70
M-1488	2 Module Cover Plate	Each	67.00
M-1489	3 Module Cover Plate	Each	81.10
M-1490	4 Module Cover Plate	Each	90.10
M-1491	6 Module Cover Plate	Each	126.70
M-1492	8 Module Cover Plate	Each	161.50
M-1493	8 Module Cover Plate (H)	Each	162.30
M-1494	12 Module Cover Plate	Each	202.20
M-1495	18 Module Cover Plate	Each	255.40

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>15</b>	<b>COMBINED PLATES (PLASTIC) - LOWER END</b>		
M-1496	1 Module Cover Plate	Each	46.20
M-1497	2 Module Cover Plate	Each	47.80
M-1498	3 Module Cover Plate	Each	57.70
M-1499	4 Module Cover Plate	Each	64.50
M-1500	6 Module Cover Plate	Each	91.00
M-1501	8 Module Cover Plate	Each	115.90
M-1502	8 Module Cover Plate (H)	Each	137.30
M-1503	12 Module Cover Plate	Each	145.90
M-1504	18 Module Cover Plate	Each	183.10
<b>16</b>	<b>COMBINED PLATES (ALUMINIUM) - HIGHER END</b>		
M-1505	1 Module Cover Plate	Each	144.50
M-1506	2 Module Cover Plate	Each	151.90
M-1507	3 Module Cover Plate	Each	164.80
M-1508	4 Module Cover Plate	Each	186.00
M-1509	6 Module Cover Plate	Each	316.20
M-1510	8 Module Cover Plate	Each	349.20
M-1511	8 Module Cover Plate (H)	Each	444.00
M-1512	12 Module Cover Plate	Each	577.00
M-1513	18 Module Cover Plate	Each	760.80
<b>16</b>	<b>COMBINED PLATES (ALUMINIUM) - LOWER END</b>		
M-1514	1 Module Cover Plate	Each	104.00
M-1515	2 Module Cover Plate	Each	106.10
M-1516	3 Module Cover Plate	Each	118.80
M-1517	4 Module Cover Plate	Each	133.40

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1518	6 Module Cover Plate	Each	228.50
M-1519	8 Module Cover Plate	Each	252.60
M-1520	8 Module Cover Plate (H)	Each	319.60
M-1521	12 Module Cover Plate	Each	416.00
M-1522	18 Module Cover Plate	Each	547.50
<b>17</b>	<b>SOCKET - 230V - HIGHER END</b>		
M-1523	16A 3 Pin Switched Socket - 3 Module	Each	405.00
M-1524	6A 5 pin Universal Socket - 2 Module	Each	125.70
M-1525	6/16A Socket - 3 Module	Each	228.00
M-1526	6/16A Socket - 2 Module	Each	193.60
<b>17</b>	<b>SOCKET - 230V - LOWER END</b>		
M-1527	16A 3 Pin Switched Socket - 3 Module	Each	292.40
M-1528	6A 5 pin Universal Socket - 2 Module	Each	91.30
M-1529	6/16A Socket - 3 Module	Each	164.40
M-1530	6/16A Socket - 2 Module	Each	138.70
<b>IV</b>	<b>PART "D"</b>		
<b>1</b>	<b>PLUG AND SOCKETS</b>		
M-1531	5 Amps 3 Pin & 2 Pin Combined Flush Type Wall Socket only	Each	25.10
M-1532	5 Amps / 15 Amps 3 Pin Flush Type Wall Socket only	Each	56.90
M-1533	5 Amps 3 Pin Top	Each	35.70
M-1534	15 Amps 3 Pin Top	Each	50.60
M-1535	15 Amps Flush Type Switch	Each	59.00
M-1536	10 Amps MC Plug with 3 Pin Top	Each	188.80
M-1537	20 Amps MC Plug with 3 Pin Top	Each	215.00
M-1538	25A Flush type Wall Socket with 25A DP MCB for AC Plug	Each	847.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>2</b>	<b>SINGLE PHASE WATT HOUR METERS</b>		
M-1539	AC Single Phase 230V / 250V, 50HZ 5 Amps Watt Hour Meter	Each	DELETED
M-1540	AC Single Phase 230V / 250V, 50HZ 10 Amps Watt Hour Meter	Each	DELETED
M-1541	AC Single Phase 230V / 250V, 50HZ 20 Amps Watt Hour Meter	Each	DELETED
<b>3</b>	<b>THREE PHASE WATT HOUR METERS</b>		
M-1542	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 10 Amps Watt Hour Meter	Each	DELETED
M-1543	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 25 Amps Watt Hour Meter	Each	DELETED
M-1544	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 50 Amps Watt Hour Meter	Each	DELETED
<b>V</b>	<b>PART "E"</b>		
<b>1</b>	<b>SERVICE CONNECTION ACCESSORIES L.T. 1100V PVC ALUMINIUM ARMoured UNDER GROUND CABLE WITH ISI MARK</b>		
M-1545	2 core 6 sq.mm. PVC Armoured UG Cable	Metre	97.90
M-1546	2 core 10 sq.mm. PVC Armoured UG Cable	Metre	119.20
M-1547	2 core 16 sq.mm. PVC Armoured UG Cable	Metre	DELETED
M-1548	2 core 25 sq.mm. PVC Armoured UG Cable	Metre	146.90
M-1549	3½ core 25 sq.mm. PVC Armoured UG Cable	Metre	221.60
M-1550	3½ core 35 sq.mm. PVC Armoured UG Cable	Metre	260.90
M-1551	3½ core 50 sq.mm. PVC Armoured UG Cable	Metre	339.80
M-1552	3½ core 70 sq.mm. PVC Armoured UG Cable	Metre	436.00
M-1553	3½ core 95 sq.mm. PVC Armoured UG Cable	Metre	564.00
M-1554	3½ core 120 sq.mm. PVC Armoured UG Cable	Metre	689.00
M-1555	3½ core 150 sq.mm. PVC Armoured UG Cable	Metre	816.00
M-1556	3½ core 185 sq.mm. PVC Armoured UG Cable	Metre	996.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1557	3½ core 240 sq.mm. PVC Armoured UG Cable	Metre	1263.00
M-1558	3½ core 300 sq.mm. PVC Armoured UG Cable	Metre	1550.00
M-1559	3½ core 400 sq.mm. PVC Armoured UG Cable	Metre	1977.00
M-1560	4 core 6 sq.mm. PVC Armoured UG Cable	Metre	126.90
M-1561	4 core 10 sq.mm. PVC Armoured UG Cable	Metre	139.10
M-1562	4 core 16 sq.mm. PVC Armoured UG Cable	Metre	183.20
<b>2</b>	<b>PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT LOW SMOKE (FRLS) FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS</b>		
M-1563	14 / 0.3 (1.0 sq.mm.)	Metre	10.90
M-1564	22 / 0.3 (1.5 sq.mm.)	Metre	17.20
M-1565	36 / 0.3 (2.5 sq.mm.)	Metre	26.90
M-1566	56 / 0.3 (4 sq.mm.)	Metre	42.70
M-1567	84 / 0.3 (6 sq.mm.)	Metre	63.30
M-1568	140 / 0.3 (10 sq.mm.)	Metre	95.30
M-1569	101 / 0.45 (16 sq.mm.)	Metre	155.90
M-1570	168 / 0.45 (25 sq.mm.)	Metre	342.50
<b>3</b>	<b>CONDUCTOR</b>		
M-1571	Hard Drawn Copper Conductor (Gauge No. 8&6)	KG	642.60
M-1572	14 SWG TC Wiire	KG	658.00
M-1573	GI No.8 Wire and No.6 Wire	KG	DELETED
<b>4</b>	<b>CABLE GLANDS</b>		
M-1574	Cable Gland suitable for 2 core 4 sq.mm. UG Cable	Each	19.10
M-1575	Cable Gland suitable for 2 core 6 sq.mm. UG Cable	Each	23.90
M-1576	Cable Gland suitable for 2 core 10 sq.mm. UG Cable	Each	28.60
M-1577	Cable Gland suitable for 2 core 16 sq.mm. UG Cable	Each	42.40
M-1578	Cable Gland suitable for 2 core 25 sq.mm. UG Cable	Each	50.60

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1579	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 25 sq.mm. UG Cable	Each	50.60
M-1580	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 35 sq.mm. UG Cable	Each	64.40
M-1581	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 50 sq.mm. UG Cable	Each	64.40
M-1582	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 70 sq.mm. UG Cable	Each	79.50
M-1583	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 95 sq.mm. UG Cable	Each	97.00
M-1584	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 120 sq.mm. UG Cable	Each	123.60
M-1585	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 150 sq.mm. UG Cable	Each	162.60
M-1586	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 185 sq.mm. UG Cable	Each	192.40
M-1587	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 240 sq.mm. UG Cable	Each	192.40
M-1588	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 300 sq.mm. UG Cable	Each	229.70
M-1589	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 400 sq.mm. UG Cable	Each	327.00
M-1590	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 500 sq.mm. UG Cable	Each	381.30
M-1591	Cable Gland suitable for 4 core 6 sq.mm. UG Cable	Each	23.90
M-1592	Cable Gland suitable for 4 core 10 sq.mm. UG Cable	Each	28.60
M-1593	Cable Gland suitable for 4 core 25 sq.mm. UG Cable	Each	50.60
<b>5</b>	<b>FUSE WIRE (COPPER)</b>		
M-1594	5 Amps Fuse Wire	KG	642.60
M-1595	10 Amps Fuse Wire	KG	642.60
M-1596	20 Amps Fuse Wire	KG	642.60
<b>6</b>	<b>NEUTRAL LINK 15 AMPS</b>		
M-1597	4 Way Neutral Link	Each	31.70
M-1598	6 Way Neutral Link	Each	47.10
M-1599	8 Way Neutral Link	Each	58.70
M-1600	12 Way Neutral Link	Each	85.40

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>VI</b>	<b>PART "F"</b>		
<b>1</b>	<b>MS BOX WITH PAINTING (16 SWG)</b>		
M-1601	MS Box of size 100 x 100 x 75 mm	Each	51.10
M-1602	MS Box of size 150 x 100 x 75 mm	Each	70.70
M-1603	MS Box of size 200 x 150 x 75 mm	Each	115.10
M-1604	MS Box complete with Lock & Key arrangements with painting of size 300 x 200 x 100mm	Each	348.00
M-1605	Synthetic Moulded Compound Box for Street Light	Each	947.00
<b>VII</b>	<b>PART "G"</b>		
<b>1</b>	<b>MS ANGLES</b>		
M-1606	1½"x1½"x¼" (37.5 x 37.5 x 6.24mm) (1M=3.25 kg)	KG	57.60
M-1607	1½" x 1½" x ½" (37.5 x 37.5 x 12.5mm)	KG	57.60
M-1608	2" x 2" x ½" (50 x 50 x 12.5mm)	KG	57.60
<b>2</b>	<b>ALUMINIUM FLAT</b>		
M-1609	Aluminium Flat (1" x ¼") (25 x 6.25mm)	KG	176.50
M-1610	Aluminium Flat (1" x ⅛")	KG	176.50
<b>3</b>	<b>COPPER FLAT</b>		
M-1611	Copper Flat (25 x 3mm)	KG	587.00
M-1612	Copper Flat (25 x 6mm)	KG	587.00
M-1613	Copper Flat (33 x 6mm)	KG	587.00
M-1614	Copper Flat (50 x 6mm)	KG	587.00
<b>4</b>	<b>POWER CAPACITOR</b>		
M-1615	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415 / 440V 50 HZ conforming to ISS with ISI marking	KVAR	318.00
M-1616	Plate Earthing	Each	11700.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>VIII</b>	<b>PART "H"</b>		
<b>1</b>	<b>CONDUIT MATERIALS 16 GAUGE</b>		
M-1617	Conduit Pipe 16mm (5/8") Heavy Gauge	Metre	34.90
M-1618	Conduit Pipe 19mm (3/4") Heavy Gauge	Metre	36.20
M-1619	Conduit Pipe 25mm (1") Heavy Gauge	Metre	44.40
M-1620	Conduit Pipe 32mm (1 1/4") Heavy Gauge	Metre	58.50
M-1621	Conduit Pipe 38mm (1 1/2") Heavy Gauge	Metre	68.90
<b>2</b>	<b>CONDUIT TEE BENDS</b>		
M-1622	Conduit Tee Bend 16mm (5/8")	Dozen	98.20
M-1623	Conduit Tee Bend 19mm (3/4")	Dozen	99.30
M-1624	Conduit Tee Bend 25mm (1")	Dozen	119.20
M-1625	Conduit Tee Bend 32mm (1 1/4")	Dozen	123.40
M-1626	Conduit Tee Bend 38mm (1 1/2")	Dozen	153.80
M-1627	Conduit Tee Bend 50mm (2")	Dozen	192.20
<b>3</b>	<b>CONDUIT BENDS - 16 GAUGE</b>		
M-1628	Conduit Solid Bend 16mm (5/8")	Dozen	93.00
M-1629	Conduit Solid Bend 19mm (3/4")	Dozen	103.50
M-1630	Conduit Solid Bend 25mm (1")	Dozen	122.30
M-1631	Conduit Solid Bend 32mm (1 1/4")	Dozen	144.50
M-1632	Conduit Solid Bend 38mm (1 1/2")	Dozen	205.00
M-1633	Conduit Solid Bend 50mm (2")	Dozen	251.00
<b>4</b>	<b>CONDUIT INSPECTION BEND-16 GAUGE</b>		
M-1634	Conduit Inspection Bend 16mm (5/8")	Dozen	93.00
M-1635	Conduit Inspection Bend 19mm (3/4")	Dozen	96.20
M-1636	Conduit Inspection Bend 25mm (1")	Dozen	123.40
M-1637	Conduit Inspection Bend 32mm (1 1/4")	Dozen	148.70

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1638	Conduit Inspection Bend 38mm (1½")	Dozen	192.50
M-1639	Conduit Inspection Bend 50mm (2")	Dozen	218.70
M-1640	Conduit Inspection Bend 65mm (2½")	Dozen	281.60
<b>5</b>	<b>HDPE PIPE</b>		
M-1641	HDPE Pipe 50mm / 38mm	RM	103.00
M-1642	HDPE Pipe 90mm / 76mm	RM	212.00
M-1643	HDPE Pipe 120mm / 103.50mm	RM	264.60
<b>6</b>	<b>CABLE TRAY</b>		
M-1644	GI Hot Dip / Powder Coated 16 SWG Cable Tray with 150mm width and 50mm height	RM	328.20
M-1645	GI Hot Dip / Powder Coated 16 SWG Cable Tray with 300mm width and 50mm height	RM	399.60
<b>IX</b>	<b>PART "I"</b>		
<b>1</b>	<b>PVC (RIGID) PIPES (1.8MM THICK) WITH ISI</b>		
M-1646	PVC Rigid Pipe 16mm (5/8")	Metre	13.75
M-1647	PVC Rigid Pipe 20mm (3/4")	Metre	20.00
M-1648	PVC Rigid Pipe 25mm (1")	Metre	29.80
M-1649	PVC Rigid Pipe 32mm (1¼")	Metre	45.10
M-1650	PVC Rigid Pipe 40mm (1½")	Metre	64.40
M-1651	PVC Rigid Pipe 50mm (2")	Metre	96.60
<b>2</b>	<b>PVC RIGID BENDS</b>		
M-1652	PVC Rigid Bend 16mm (5/8")	Each	3.15
M-1653	PVC Rigid Bend 20mm (3/4")	Each	3.15
M-1654	PVC Rigid Bend 25mm (1")	Each	4.30
M-1655	PVC Rigid Bend 32mm (1¼")	Each	7.65
M-1656	PVC Rigid Bend 40mm (1½")	Each	19.30
M-1657	PVC Rigid Bend 50mm (2")	Each	23.60

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>3</b>	<b>PVC COUPLES</b>		
M-1658	PVC Couples 16mm (5/8")	Dozen	13.85
M-1659	PVC Couples 19mm (3/4")	Dozen	13.85
M-1660	PVC Couples 25mm (1")	Dozen	26.95
M-1661	PVC Couples 32mm (1 <sup>1</sup> / <sub>4</sub> ")	Dozen	61.85
M-1662	PVC Couples 38mm (1 <sup>1</sup> / <sub>2</sub> ")	Dozen	132.50
M-1663	PVC Couples 50mm (2")	Dozen	138.30
<b>4</b>	<b>PVC TEES</b>		
M-1664	PVC Tee 16mm (5/8")	Dozen	13.85
M-1665	PVC Tee 19mm (3/4")	Dozen	16.05
M-1666	PVC Tee 25mm (1")	Dozen	20.55
M-1667	PVC Tee 32mm (1 <sup>1</sup> / <sub>4</sub> ")	Dozen	92.30
M-1668	PVC Tee 38mm (1 <sup>1</sup> / <sub>2</sub> ")	Dozen	296.30
M-1669	PVC Tee 50mm (2")	Dozen	324.40
<b>5</b>	<b>PVC SADDLES</b>		
M-1670	PVC Saddles 16mm (5/8")	Dozen	3.15
M-1671	PVC Saddles 19mm (3/4")	Dozen	3.60
M-1672	PVC Saddles 25mm (1")	Dozen	4.20
M-1673	PVC Saddles 32mm (1 <sup>1</sup> / <sub>4</sub> ")	Dozen	5.25
M-1674	PVC Saddles 38mm (1 <sup>1</sup> / <sub>2</sub> ")	Dozen	6.45
M-1675	PVC Saddles 50mm (2")	Dozen	12.90
<b>6</b>	<b>PVC JUNCTION BOXES</b>		
M-1676	Junction Boxes 1, 2, 3 & 4 way 16mm (5/8")	Dozen	43.25
M-1677	Junction Boxes 1, 2, 3 & 4 way 19mm (3/4")	Dozen	43.25
M-1678	Junction Boxes 1, 2, 3 & 4 way 25mm (1")	Dozen	50.90
M-1679	Junction Boxes 1, 2, 3 & 4 way 32mm (1 <sup>1</sup> / <sub>4</sub> ")	Dozen	113.00
M-1680	Junction Boxes 1, 2, 3 & 4 way 38mm (1 <sup>1</sup> / <sub>2</sub> ")	Dozen	134.40

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>7</b>	<b>PVC HYLEM SHEETS</b>		
M-1681	Hylem Sheet 3mm Thick	Sq.m	661.00
<b>8</b>	<b>INSULATION TAPE PVC</b>		
M-1682	PVC Insulation Tape (19mm)	Roll / 10 mtr.	16.05
M-1683	Empire Tape (12mm)	Roll / 10 mtr.	21.60
M-1684	Empire Tape (19mm)	Roll / 10 mtr.	25.90
<b>9</b>	<b>CABLE MANAGEMENT SYSTEM</b>		
	a. Cable Management Box with Cover		
M-1685	50mm x 80mm	Mtr.	954.00
M-1686	150mm x 105mm	Mtr.	1212.00
M-1687	b. Divider	Each	207.00
M-1688	c. Cover Joint	Each	116.00
M-1689	d. End Cap	Each	191.90
M-1690	e. Joint for Top Part	Each	217.00
M-1691	f. Joint for Bottom Part	Each	262.60
<b>X</b>	<b>PART "J"</b>		
	<b>TEAK WOOD MATERIALS</b>		
<b>1</b>	<b>TW BOX CONCEALED TYPE</b>		
M-1692	TW Box Concealed Type 12" x 8" x 3"	Each	69.90
M-1693	TW Box Concealed Type 8" x 6" x 3"	Each	37.10
M-1694	TW Box Concealed Type 6" x 4" x 3"	Each	16.50
M-1695	TW Box Concealed Type 4" x 4" x 3"	Each	13.80
M-1696	TW Plugs 1½" x 1" x 2"	1000 Nos.	287.00
M-1697	TW Round blocks	100 Nos.	558.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>XI</b>	<b>PART "K"</b>		
<b>1</b>	<b>CRIMPING LUGS SUITABLE FOR THE FOLLOWING SIZES ALUMINIUM</b>		
	<b>Size</b>		
M-1698	4.0 sq.mm.	Each	1.44
M-1699	6.0 sq.mm.	Each	1.60
M-1700	10.0 sq.mm.	Each	2.05
M-1701	16.0 sq.mm.	Each	2.05
M-1702	25.0 sq.mm.	Each	3.15
M-1703	35.0 sq.mm.	Each	4.15
M-1704	50.0 sq.mm.	Each	6.25
M-1705	70.0 sq.mm.	Each	8.30
M-1706	95.0 sq.mm.	Each	9.50
M-1707	120.0 sq.mm.	Each	DELETED
M-1708	150.0 sq.mm.	Each	16.95
M-1709	185.0 sq.mm.	Each	22.10
M-1710	225.0 sq.mm.	Each	32.90
M-1711	240.0 sq.mm.	Each	DELETED
M-1712	300.0 sq.mm.	Each	50.00
M-1713	400.0 sq.mm.	Each	74.60
<b>1</b>	<b>CRIMPING LUGS SUITABLE FOR THE FOLLOWING SIZES COPPER</b>		
	<b>Size</b>		
M-1714	4.0 sq.mm.	Each	4.90
M-1715	6.0 sq.mm.	Each	4.90
M-1716	10.0 sq.mm.	Each	6.20
M-1717	16.0 sq.mm.	Each	7.50

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1718	25.0 sq.mm.	Each	12.50
M-1719	35.0 sq.mm.	Each	13.80
M-1720	50.0 sq.mm.	Each	16.40
M-1721	70.0 sq.mm.	Each	26.60
M-1722	95.0 sq.mm.	Each	33.00
M-1723	120.0 sq.mm.	Each	45.70
M-1724	150.0 sq.mm.	Each	58.50
M-1725	185.0 sq.mm.	Each	89.10
M-1726	225.0 sq.mm.	Each	127.20
M-1727	240.0 sq.mm.	Each	127.20
M-1728	300.0 sq.mm.	Each	171.70
M-1729	400.0 sq.mm.	Each	261.10
<b>2</b>	<b>CABLE ROUTE INDICATOR</b>		
M-1730	Cable Route Indicator for LT Cable	Each	81.40
M-1731	Cable Route Indicator for HT Cable	Each	81.40
<b>XII</b>	<b>PART "L"</b>		
<b>1</b>	<b>BRASS SCREWS</b>		
M-1732	Brass Screws (20mm) 3/4" No.6	Gross	62.85
M-1733	Brass Screws (25mm) 1" No.6	Gross	67.80
M-1734	Brass Screws (40mm) 1 1/2" No.6	Gross	72.50
M-1735	Brass Screws (20mm) 3/4" No.8	Gross	62.85
M-1736	Brass Screws (25mm) 1" No.8	Gross	67.80
M-1737	Brass Screws (50mm) 2" No.10	Gross	140.30
M-1738	Brass Screws (75mm) 3" No.10	Gross	207.60
M-1739	Coach Screws 2" x 1/4" (50 x 6.25mm)	Dozen	12.40

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>3</b>	<b>CONDUIT SADDLES</b>		
M-1740	Conduit Saddles 16mm (5/8")	Gross	41.00
M-1741	Conduit Saddles 19mm (3/4")	Gross	43.70
M-1742	Conduit Saddles 25mm (1")	Gross	51.30
M-1743	Conduit Saddles 32mm (1 1/4")	Gross	66.80
M-1744	Conduit Saddles 38mm (1 1/2")	Gross	82.00
M-1745	Conduit Saddles 50mm (2")	Gross	92.65
M-1746	Conduit Saddles 65mm (2 1/2")	Gross	105.55
<b>4</b>	<b>SODIUM VAPOUR FITTINGS &amp; LAMP (FOR EXTERNAL ELECTRIFICATION AND CAMPUS LIGHTING) (LOWER END)</b>		
M-1747	250 Watts Sodium Vapour Fittings	Each	DELETED
M-1748	250 Watts Sodium Vapour Lamp	Each	DELETED
M-1749	150 Watts Sodium Vapour Fittings	Each	DELETED
M-1750	150 Watts Sodium Vapour Lamp	Each	DELETED
M-1751	70 Watts Sodium Vapour Fittings	Each	DELETED
M-1752	70 Watts Sodium Vapour Lamp	Each	DELETED
<b>5</b>	<b>SODIUM VAPOUR LAMP FITTING SINGLE PIECE DIE CAST ALUMINIUM HOUSING AND LAMP FOR HEAVY TRAFFIC ROADS (HIGHER END)</b>		
M-1753	400 Watts Sodium Vapour Fittings	Each	DELETED
M-1754	400 Watts Sodium Vapour Lamp	Each	DELETED
M-1755	250 Watts Sodium Vapour Fittings	Each	DELETED
M-1756	250 Watts Sodium Vapour Lamp	Each	DELETED
M-1757	150 Watts Sodium Vapour Fittings	Each	DELETED
M-1758	150 Watts Sodium Vapour Lamp	Each	DELETED
M-1759	70 Watts Sodium Vapour Fittings	Each	DELETED
M-1760	70 Watts Sodium Vapour Lamp	Each	DELETED

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>6</b>	<b>MINIATURE CIRCUIT BREAKERS 240 V / 415V 50HZ - AC SUPPLY SUITABLE FOR BOTH LIGHTING AND MOTOR CIRCUITS - HIGHER END</b>		
M-1761	Single Pole 6A to 32A, 10KA	Each	181.00
M-1762	Single Pole 40A, 10KA	Each	376.00
M-1763	Single Pole & Neutral 6A to 32A, 10KA	Each	539.00
M-1764	Single Pole & Neutral 40A, 10KA	Each	874.00
M-1765	Double Pole 6A to 32A, 10KA	Each	539.00
M-1766	Double Pole 40A, 10KA	Each	874.00
M-1767	Triple Pole 6A to 32A,10KA	Each	867.00
M-1768	Triple Pole 63A,10KA	Each	1318.00
M-1769	Triple Pole & Neutral 6A to 32A,10KA	Each	1141.00
M-1770	Triple Pole & Neutral 63A, 10KA	Each	1706.00
M-1771	Four Pole 6 A to 32A, 10KA	Each	1141.00
M-1772	Four Pole 63A, 10KA	Each	1706.00
<b>6</b>	<b>MINIATURE CIRCUIT BREAKERS 240 V / 415V 50HZ - AC SUPPLY SUITABLE FOR BOTH LIGHTING AND MOTOR CIRCUITS - LOWER END</b>		
M-1773	Single Pole 6A to 32A, 10KA	Each	133.00
M-1774	Single Pole 40A, 10KA	Each	279.00
M-1775	Single Pole & Neutral 6A to 32A, 10KA	Each	405.00
M-1776	Single Pole & Neutral 40A, 10KA	Each	564.00
M-1777	Double Pole 6A to 32A, 10KA	Each	447.00
M-1778	Double Pole 40A, 10KA	Each	612.00
M-1779	Triple Pole 6A to 32A,10KA	Each	676.00
M-1780	Triple Pole 63A,10KA	Each	1076.00
M-1781	Triple Pole & Neutral 6A to 32A,10KA	Each	880.00
M-1782	Triple Pole & Neutral 63A, 10KA	Each	1357.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1783	Four Pole 6 A to 32A, 10KA	Each	942.00
M-1784	Four Pole 63A, 10KA	Each	1445.00
<b>7</b>	<b>MCB</b>		
M-1785	100A Triple Pole MCB	Each	7298.00
M-1786	125A Triple Pole MCB	Each	8103.00
M-1787	100A Four Pole MCB	Each	9315.00
M-1788	125A Four Pole MCB	Each	10533.00
<b>8</b>	<b>PLUG AND SOCKETS IN SHEET STEEL ENCLOSURE WITHOUT MCBs - HIGHER END</b>		
M-1789	10A Single Pole	Each	892.00
M-1790	20A Single Pole	Each	952.00
M-1791	20A Double Pole	Each	1031.00
M-1792	20A Triple Pole	Each	1750.00
M-1793	32A Triple Pole	Each	2087.00
M-1794	63A Triple Pole	Each	8511.00
<b>8</b>	<b>PLUG AND SOCKETS IN SHEET STEEL ENCLOSURE WITHOUT MCBs - LOWER END</b>		
M-1795	10A Single Pole	Each	527.00
M-1796	20A Single Pole	Each	535.00
M-1797	20A Triple Pole	Each	1014.00
M-1798	32A Triple Pole	Each	1374.00
<b>9</b>	<b>SHEET STEEL ENCLOSURE FOR MCB's - HIGHER END</b>		
M-1799	2 Pole	Each	377.00
M-1800	4 pole	Each	554.00
<b>9</b>	<b>SHEET STEEL ENCLOSURE FOR MCB's - LOWER END</b>		
M-1801	2 Pole	Each	262.00
M-1802	4 pole	Each	322.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>10</b>	<b>RCCB / ELCB - HIGHER END</b>		
M-1803	10 Amps 30 MA DP	Each	2518.00
M-1804	25 Amps 30 MA DP	Each	2076.00
M-1805	40 Amps 30 MA DP	Each	2297.00
<b>10</b>	<b>RCCB / ELCB - LOWER END</b>		
M-1806	10 Amps 30 MA DP	Each	1850.00
M-1807	25 Amps 30 MA DP	Each	1588.00
M-1808	40 Amps 30 MA DP	Each	1678.00
<b>11</b>	<b>RCCB / ELCB (FOUR POLE) - HIGHER END</b>		
M-1809	25 Amps 30 MA	Each	2860.00
M-1810	40 Amps 30 MA	Each	2894.00
M-1811	63 Amps 30 MA	Each	3348.00
<b>11</b>	<b>RCCB / ELCB (FOUR POLE) - LOWER END</b>		
M-1812	25 Amps 30 MA	Each	1960.00
M-1813	40 Amps 30 MA	Each	2005.00
M-1814	63 Amps 30 MA	Each	2275.00
<b>12</b>	<b>HRC - FUSES - HIGHER END</b>		
M-1815	16 Amps	Each	64.40
M-1816	32 Amps	Each	66.80
M-1817	63 Amps	Each	137.90
M-1818	125 Amps	Each	321.80
M-1819	160 Amps	Each	400.20
M-1820	200 Amps	Each	412.70
M-1821	250 Amps	Each	575.70
<b>12</b>	<b>HRC - FUSES - LOWER END</b>		
M-1822	16 Amps	Each	31.40
M-1823	32 Amps	Each	52.70

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-1824	63 Amps	Each	66.40
M-1825	125 Amps	Each	147.40
M-1826	160 Amps	Each	198.70
M-1827	200 Amps	Each	198.70
M-1828	250 Amps	Each	293.60
<b>13</b>	<b>MCB ISOLATORS - HIGHER END</b>		
M-1829	32A - DP	Each	282.90
M-1830	32A - TP	Each	472.00
M-1831	32A - FP	Each	541.00
M-1832	40A - DP	Each	389.00
M-1833	40A - TP	Each	677.00
M-1834	40A - FP	Each	871.00
M-1835	63A - DP	Each	522.00
M-1836	63A - TP	Each	894.00
M-1837	63A - FP	Each	952.00
M-1838	100A - TP	Each	983.00
M-1839	100A - FP	Each	1004.00
<b>13</b>	<b>MCB ISOLATORS - LOWER END</b>		
M-1840	40A - DP	Each	269.00
M-1841	40A - TP	Each	496.00
M-1842	40A - FP	Each	606.00
M-1843	63A - DP	Each	343.00
M-1844	63A - TP	Each	542.00
M-1845	63A - FP	Each	633.00
M-1846	100A - DP	Each	444.00
M-1847	100A - TP	Each	705.00
M-1848	100A - FP	Each	772.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>14</b>	<b>MCCB</b>		
M-1849	a. 63A / 100A 3 Pole MCCB	Each	6536.00
M-1850	Rotary Handle	Each	893.00
M-1851	Spreader Terminal	Each	247.00
M-1852	b. 160A 3 Pole MCCB	Each	12408.00
M-1853	Rotary Handle	Each	1515.00
M-1854	Spreader Terminal	Each	1192.00
M-1855	c. 125A 3 Pole MCCB	Each	9138.00
M-1856	d. 250A 3 Pole MCCB	Each	18835.00
M-1857	Spreader Terminal for 250A/125A	Each	1200.00
M-1858	Rotary Handle for 250A/125A	Each	1419.00
M-1859	e. 400A 3 Pole MCCB	Each	24844.00
M-1860	400A Spreader Terminal	Each	2066.00
M-1861	f. 630A 3 Pole MCCB	Each	30434.00
M-1862	630A Spreader Terminal	Each	3482.00
M-1863	Rotary Handle for 400A/ 630A	Each	2316.00
M-1864	g. 63A / 100A 4 Pole MCCB	Each	9075.00
M-1865	Rotary Handle	Each	893.00
M-1866	Spreader Terminal	Each	422.00
M-1867	h. 125A 4 Pole MCCB	Each	9775.00
M-1868	Rotary Handle	Each	893.00
M-1869	Spreader Terminal	Each	422.00
M-1870	i. 160A 4 Pole MCCB	Each	14749.00
M-1871	Rotary Handle	Each	1515.00
M-1872	Spreader Terminal	Each	1571.00
M-1873	j. 250A 4 Pole MCCB	Each	23015.00
M-1874	250A Spreader Terminal	Each	1455.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1875	k. 400A 4 Pole MCCB	Each	31040.00
M-1876	400A Spreader Terminal	Each	2969.00
<b>15</b>	<b>AIR CIRCUIT BREAKER</b>		
M-1877	630A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	212400.00
M-1878	800A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	212400.00
M-1879	1000A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	219100.00
M-1880	1250A, 4 Pole 50kA, Microprocessor Based, EDO Breaker	Each	239100.00
M-1881	1600A, 4 pole 50kA, Microprocessor Based, EDO Breaker	Each	262500.00
<b>16</b>	<b>HORIZONTAL THREE PHASE DISTRIBUTION BOARD WITH MCBS 4 way / 6 way / 8 way / 12 way TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoings and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD with label holder and provisions for taking up cable for size not less than 35 sq.mm.</b>		
<b>1</b>	<b>TPMCB DB with Metal Door Cover with IP 42 Protection HIGHER END</b>		
M-1882	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoings ways - 12	Each	2386.00
M-1883	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoings ways - 18	Each	2938.00
M-1884	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoings ways - 24	Each	3524.00
M-1885	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoings ways - 36	Each	5205.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>1</b>	<b>TPMCB DB with Metal Door Cover with IP 42 Protection LOWER END</b>		
M-1886	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	1888.00
M-1887	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 18	Each	2386.00
M-1888	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	2925.00
M-1889	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	3978.00
<b>2</b>	<b>TPMCB DB with Acrylic Door Cover with IP42 Protection - HIGHER END</b>		
M-1890	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	2773.00
M-1891	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 18	Each	3403.00
M-1892	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	4065.00
M-1893	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	6190.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>3</b>	<b>Industrial Type TPMCB DB with IP 54 Protection HIGHER END</b>		
M-1894	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	6730.00
M-1895	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 18	Each	8100.00
M-1896	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	8865.00
M-1897	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	12238.00
<b>17</b>	<b>VERTICALTHREEPHASEDISTRIBUTIONBOARDWITHMCBS 4 way / 8 way / 12 way vertical TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoing and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD with label holder and provisions for taking up cable for size not less than 35 sq.mm. (used for light loads less than 100A)</b>		
<b>1</b>	<b>TPMCB DB with Metal Door Cover with IP42 Protection HIGHER END</b>		
M-1898	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	5703.00
M-1899	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	7225.00
M-1900	12 ways 3 phase DB No. of ways incomer MCB/Isolatore - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	9630.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>1</b>	<b>TPMCB DB with Metal Door Cover with IP42 Protection LOWER END</b>		
M-1901	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	4685.00
M-1902	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	5769.00
M-1903	12 ways 3 phase DB No. of ways incomer MCB/Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	7096.00
<b>2</b>	<b>TPMCB DB with Acrylic Door Cover with IP42 Protection - HIGHER END</b>		
M-1904	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	6886.00
M-1905	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	8767.00
M-1906	12 ways 3 phase DB No. of ways incomer MCB/Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	11656.00
M-1907	6 Way Vertical TPN Distributions boards; IP43 with double door (Metal); with 12 module incomers and 18 Single Phase / Three Phase / MCB's outgoing; as per IS	Each	10560.00
<b>3</b>	<b>Industrial Type TPMCB DB with IP54 Protection HIGHER END</b>		
M-1908	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 12	Each	10653.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1909	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 24	Each	12858.00
M-1910	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoing ways - 36	Each	17240.00
18	<b>7 SEGMENTS (3 TIER) 3 PHASE DISTRIBUTION BOARD WITH MCB 4 way / 6 way / 8 way / 12 way TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoings and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD (totally 8 ways in one segment) (3 x 4 ways in each segment) and separate provisions for MCB / Isolator (totally 12 Nos.) for sub incomers in 3 segments with label holder and provisions for taking up cable for size not less than 35 sq.mm.</b>		
1	<b>TPMCB DB with Metal / Acrylic Door Cover with IP42 Protection - HIGHER END</b>		
M-1911	4 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 12	Each	5604.00
M-1912	6 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 18	Each	6332.00
M-1913	8 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 24	Each	7060.00
M-1914	12 ways 3 phase DB No. of ways incomer MCB / Isolator - 4 No. of ways incomer ELCB / RCD - 4 No. of sub-incomers - 12 No. of outgoing ways - 36	Each	8997.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>19</b>	<b>Vertical TPN Distribution Boards (with MCCB Incomer); Double Door; IP43, as per IS 8623 III; Impact resistance IK09; Frame MCCB Incomer &amp; Single Phase/Three Phase MCBs as Outgoing (for power loads exceeding 100A) HIGHER END</b>		
M-1915	4 Way, MCCB + 12 Modules	Each	9545.00
M-1916	6 Way, MCCB + 18 Modules	Each	11024.00
M-1917	8 Way, MCCB + 24 Modules	Each	12015.00
M-1918	12 Way, MCCB + 36 Modules	Each	16000.00
M-1919	16 Way, MCCB + 48 Modules	Each	18900.00
<b>19</b>	<b>Vertical TPN Distribution Boards (with MCCB Incomer); Double Door; IP43, as per IS 8623 III; Impact resistance IK09; Frame MCCB Incomer &amp; Single Phase/Three Phase MCBs as Outgoing (for power loads exceeding 100A) LOWER END</b>		
M-1920	4 Way, MCCB + 12 Modules	Each	17680.00
M-1921	6 Way, MCCB + 18 Modules	Each	19250.00
M-1922	8 Way, MCCB + 24 Modules	Each	20550.00
M-1923	12 Way, MCCB + 36 Modules	Each	21780.00
M-1924	16 Way, MCCB + 48 Modules	Each	24530.00
<b>20</b>	<b>SINGLE PHASE DISTRIBUTION BOARD WITH MCBs 4 way / 8 way / 12 way vertical SPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single phase MCB outgoings and separate 2 way provision for accommodating One No. 2 pole incoming MCB / Isolator and another separate 2 way provision for accommodating One No. 2 pole ELCB / RCD with label holder and provisions for taking up cable for size not less than 35 sq.mm.</b>		
<b>1</b>	<b>SPMCB DB with Metal Door Cover with IP42 Protection HIGHER END</b>		
M-1925	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 2	Each	937.00
M-1926	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 6	Each	1173.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1927	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 10	Each	1412.00
<b>1</b>	<b>SPMCB DB with Metal Door Cover with IP42 Protection LOWER END</b>		
M-1928	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 2	Each	612.00
M-1929	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 6	Each	837.00
M-1930	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 10	Each	1080.00
<b>2</b>	<b>SPMCB DB with Acrylic Door Cover with IP42 Protection - HIGHER END</b>		
M-1931	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 2	Each	1106.00
M-1932	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 6	Each	1305.00
M-1933	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 10	Each	1583.00
<b>3</b>	<b>Industrial Type SPMCB DB with IP54 Protection HIGHER END</b>		
M-1934	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoings ways - 2	Each	2827.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1935	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 6	Each	3313.00
M-1936	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 10	Each	3819.00
<b>XIII</b>	<b>PART "M"</b>		
<b>1</b>	<b>TRANSFORMERS - Plinth mounted with suitable HT &amp; LT Cable Entry Boxes, Copper Extension for Cable End Termination for HT &amp; LT sides, Bucholz Relay, Marshaling Box, etc.</b>		
M-1937	250 kVA, 11 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	DELETED
M-1938	500 kVA, 11 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	DELETED
M-1939	630 kVA, 11 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	1802000.00
M-1940	1000 kVA, 11 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	2300000.00
M-1941	250 kVA, 22 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	1152000.00
M-1942	500 kVA, 22 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	1535000.00
M-1943	630 kVA, 22 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	1930000.00
M-1944	1000 kVA, 22 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	2428000.00
M-1945	1600 kVA, 22 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	3409000.00
M-1946	1600 kVA, 22 kV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	3554000.00
M-1947	11KV 2 Pole HT Structure	Each	485700.00
M-1948	11KV 6 Pole HT structure	Each	1598000.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>2</b>	<b>11 KV INDOOR VACCUM CIRCUIT BREAKER</b>		
M-1949	11 KV, 25 KA, 630 A, HT Indoor Single Panel Vaccum Circuit Breaker complete	Each	497000.00
M-1950	11 KV, 25 KA, 630 A, HT Indoor Three Panel Vaccum Circuit Breaker complete	Each	1267000.00
M-1951	11 KV, 25 KA, 630 A, HT Indoor Four Panel Vaccum Circuit Breaker complete	Each	1798000.00
M-1952	11 KV, 25 KA, 630 A, HT Indoor Five Panel Vaccum Circuit Breaker complete	Each	2156000.00
<b>3</b>	<b>11 KV OUTDOOR VACCUM CIRCUIT BREAKER</b>		
M-1953	11 KV, 25 KA, 630 A, HT Outdoor Single Panel Vaccum Circuit Breaker complete	Each	519000.00
M-1954	11 KV, 25 KA, 630 A, HT Outdoor Three Panel Vaccum Circuit Breaker complete	Each	1298000.00
M-1955	11 KV, 25 KA, 630 A, HT Outdoor Four Panel Vaccum Circuit Breaker complete	Each	1819000.00
M-1956	11 KV, 25 KA, 630 A, HT Outdoor Five Panel Vaccum Circuit Breaker complete	Each	2178000.00
<b>4</b>	<b>11 KV INDOOR RING MAIN GEAR (RMG)</b>		
M-1957	11 KV, 25 KA, 630 A, HT Indoor Three Panel Ring Main Gear complete	Each	723000.00
<b>5</b>	<b>11 KV OUTDOOR RING MAIN GEAR (RMG)</b>		
M-1958	11 KV, 25 KA, 630 A, HT Outdoor Three Panel Ring Main Gear complete	Each	757000.00
<b>6</b>	<b>HT CABLES</b>		
M-1959	185 sq.mm. 3 core HT XLPE 11KV (E)	Mtr.	1800.00
M-1960	185 sq.mm. 3 core HT XLPE 11KV (UE)	Mtr.	2340.00
M-1961	240 sq.mm. 3 core HT XLPE 11KV (UE)	Mtr.	2755.00
M-1962	240 sq.mm. 3 core HT XLPE 11KV (E)	Mtr	2100.00
M-1963	300 sq.mm. 3 core HT XLPE 11KV (E)	Mtr	DELETED
M-1964	300 sq.mm. 3 core HT XLPE 11KV (UE)	Mtr	2865.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>7</b>	<b>HEAT SHRINKABLE HT CABLE JOINT KIT CONSISTS OF RIGHT ANGLE / STRAIGHT BOOTS, WRAP AROUND SLEEVES, INSULATION TAPE, BUTYL SEALANT, CONSTANT FORCE SPRING, CLAMPS, TINNED COPPER BRAIDS ETC.,</b>		
M-1965	120-185 sq.mm. 3 core HT Cable Indoor Terminations XLPE 11KV (E) - EPKT 3111	Each	11770.00
M-1966	240-300 sq.mm. 3 core HT Cable Indoor Terminations XLPE 11KV (E) - EPKT 3121	Each	12570.00
M-1967	120-185 sq.mm. 3 core HT Cable Outdoor Terminations XLPE 11KV (E) - EPKT 3362	Each	16260.00
M-1968	240-300 sq.mm. 3 core HT Cable Outdoor Terminations XLPE 11KV (E) - EPKT 3372	Each	18290.00
M-1969	240-400 sq.mm. 3 core HT Cable Indoor Terminations 11 KV (UE) - Belted PILC Cables - EPKT 4685	Each	16580.00
M-1970	240-400 sq.mm. 3 core HT Cable Outdoor Terminations 11 KV (UE) - Belted PILC Cables - EPKT 4961	Each	21930.00
M-1971	150-185 sq.mm. 3 core HT Cable Outdoor Terminations 22KV(E) Screened XLPE Cables - EPKT 5363	Each	23320.00
M-1972	240-400 sq.mm. 3 core HT Cable Outdoor Terminations 22KV(E) Screened XLPE Cables-EPKT 5373	Each	31030.00
M-1973	185-240 sq.mm 3 core HT Cables Straight Through Joints 22KV (E) Screened XLPE Cables-EPKJ 5118	Each	60990.00
M-1974	300-400 sq.mm. 3 core HT Cable Straight Thorough Joints 22KV (E) Screened XLPE Cables - EPKJ 5119	Each	68150.00
<b>8</b>	<b>SAFETY ACCESSORIES</b>		
M-1975	AC Chargeable Emergency Lamp 2 x 11W PL Lamp with all connected accessories	Each	3350.00
M-1976	2m x 1m Rubber Mat suitable for 11 KV installation confirming to IS	Set (5 Nos.)	18743.00
M-1977	First Aid Box complete with all First Aid Medicines	Each	1712.00
M-1978	Shock Treatment Chart fixed in glass frame	Each	1712.00
M-1979	4 Nos. Fire Buckets made out of 40 x 40 x 6mm MS Angle	Each	4712.00
M-1980	Hand Gloves 11KV Grade	Each	DELETED
M-1981	Metallic Danger Board as required by the Electrical Authorities	Each	1605.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-1982	Fire Extinguisher Co2, 4.5 kg. confirming to TAC Norms	Each	1446.00
M-1983	Earth Discharge Rod	Each	3910.00
<b>XIV</b>	<b>PART "N"</b>		
<b>1</b>	<b>SUPPLY &amp; INSTALLATION OF AIR-CONDITIONER WITH COPPER COIL</b>		
M-1984	1.5 TR Split Type AC Unit - <b>5 Star Rated</b>	Each	46140.00
M-1985	2.0 TR Split Type AC Unit - <b>5 Star Rated</b>	Each	58900.00
M-1986	1.5 TR Split Type AC Unit - <b>3 Star Rated</b>	Each	34660.00
M-1987	2.0 TR Split Type AC Unit - <b>3 Star Rated</b>	Each	46140.00
M-1988	Supply and installation of 4 KVA capacity Automatic Voltage Stabilizer with time delay relay	Each	4640.00
M-1989	Supply and installation of 5 KVA capacity Automatic Voltage Stabilizer with time delay relay	Each	5162.00
M-1990	Supply and laying of 5/8" and 3/8" copper pipe (Extra beyond 3 metres supplied with AC unit)	Each	980.00
M-1991	Supply and fixing of MS stand for fixing outdoor unit	Each	1088.00
<b>2</b>	<b>SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND HANDING OVER OF AIR-COOLED SELF CONTAINED DUCTABLE AC UNITS</b>		
M-1992	3.0 TR Ceiling Suspended Ductable Unit	Each	102500.00
M-1993	5.5 TR Ceiling Suspended Ductable Unit	Each	176900.00
M-1994	8.5 TR Ceiling Suspended Ductable Unit	Each	241000.00
M-1995	11 TR Ceiling Suspended Ductable Unit	Each	311000.00
M-1996	17 TR Ceiling Suspended Ductable Unit	Each	451000.00
M-1997	5.5 TR Floor Mounted Ductable Unit	Each	373800.00
M-1998	8.5 TR Floor Mounted Ductable Unit	Each	386000.00
M-1999	11 TR Floor Mounted Ductable Unit	Each	424200.00
M-2000	17 TR Floor Mounted Ductable Unit	Each	606000.00
M-2001	25 TR Floor Mounted Ductable Unit	Each	728000.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>3</b>	<b>ACCESSORIES FOR PACKAGE AC</b>		
M-2002	Supply and filling of R-22 Refrigerant Gas	KG	571.80
M-2003	Supply and fixing of Copper Refrigerant Piping of 7/8" dia	RM	1080.00
M-2004	Supply and fixing of Flexible Canvas Connection	Each	2767.00
M-2005	Supply and fixing of 50mm thick Anti Vibrating Rubber Pads	RM	543.40
M-2006	Supply, Fabrication and erection of fabricated ducting made up of GI Sheets of 24 Gauge thickness	sqm.	848.60
M-2007	Supply, Fabrication and erection of fabricated ducting made up of GI sheets of 22 Gauge thickness	sqm.	1136.00
M-2008	Supply, Fabrication and erection of fabricated ducting made up of GI sheets of 20 Gauge thickness	sqm.	1413.00
M-2009	Supply and fixing of extruded aluminum powder coated, Supply and return Air Grilles / Diffusers with Volume Control Damper	sqm.	7911.00
M-2010	Supply and fixing of water drain pipe line (1" PVC Pipe)	RM	64.10
M-2011	Supply, fabrication and fixing of MS Channel for Mounting the Airconditioning Indoor Unit	Each	7320.00
M-2012	Supply, fabrication and fixing of MS Channel for Mounting the Airconditioning Outdoor Unit	Each	6230.00
M-2013	Supply and providing of pipeline nitrle rubber insulation for Refrigerant and drain pipe lines.	RM	55.25
M-2014	Supply and fixing of Duct Mouth Dampers	Set	2371.00
M-2015	Supply and providing acoustic for initial portion of ducting with 12mm thick Fibre Glass Rigid Board covered with Tissue Paper and Aluminum Perforated Sheet	Sqm.	841.50
M-2016	Supply and providing thermal insulation of 9mm thick vidoflex with Aluminum Foil	Sqm.	820.00
M-2017	Supply and providing Civil Concrete Block for Mounting the Airconditioning Unit	Each	705.00
M-2018	Supply and laying of 30 sq.mm. incoming cable	RM	398.00
M-2019	Supply and providing of 10 sq.mm. copper flexible single cable	RM	92.30

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2020	Supply and providing of 1.5 sq.mm. copper flexible cable	RM	20.50
M-2021	Supply and providing of 0.5 sq.mm. 4 core flexible signal cable	RM	17.10
<b>4</b>	<b>VARIABLE REFRIGERANT FLOW (VRF) AIR-CONDITIONING SYSTEM</b>		
<b>a</b>	<b>Inverter Scroll Compressor Modular VRF ODU</b>		
M-2022	34.0 HP	Each	802700.00
M-2023	32.0 HP	Each	763900.00
M-2024	30.0 HP	Each	715500.00
M-2025	28.0 HP	Each	669800.00
M-2026	26.0 HP	Each	619900.00
M-2027	24.0 HP	Each	568000.00
M-2028	22.0 HP	Each	536500.00
M-2029	20.0 HP	Each	491200.00
M-2030	18.0 HP	Each	422900.00
M-2031	16.0 HP	Each	376800.00
M-2032	14.0 HP	Each	364400.00
M-2033	12.0 HP	Each	331200.00
M-2034	10.0 HP	Each	249800.00
M-2035	8.0 HP	Each	240600.00
<b>b</b>	<b>High ESP Duct (200Pa / 220Pa) with Wired Controller, No Drain Pump</b>		
M-2036	6.3 TR	Each	82425.00
M-2037	8.0 TR	Each	85170.00
M-2038	12.8 TR	Each	145600.00
M-2039	16.0 TR	Each	152400.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>c</b>	<b>Wall-Mounted Panel with Cordless Remote Controller</b>		
M-2040	0.63 TR	Each	18810.00
M-2041	0.80 TR	Each	19980.00
M-2042	1.03 TR	Each	23100.00
M-2043	1.28 TR	Each	23920.00
M-2044	1.60 TR	Each	25000.00
M-2045	2.02 TR	Each	25600.00
<b>5</b>	<b>SUPPLY AND FILLING REFRIGERANT GAS</b>		
M-2046	R410A	Kg.	610.50
M-2047	R407C	Kg.	610.50
<b>6</b>	<b>REFRIGERANT PIPE</b>		
M-2048	36.90mm	RM	2035.00
M-2049	28.60mm	RM	1860.00
M-2050	22.20mm	RM	1560.00
M-2051	19.10mm	RM	1190.00
M-2052	15.90mm	RM	1115.00
M-2053	12.70mm	RM	1010.00
M-2054	9.50mm	RM	802.00
M-2055	6.40mm	RM	701.00
<b>7</b>	<b>DRAIN PIPE</b>		
M-2056	25mm	RM	167.90
M-2057	32mm	RM	201.40
M-2058	40mm	RM	246.20
M-2059	50mm	RM	291.00
M-2060	Supply and fixing of Refnet joint	Each	9590.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>8</b>	<b>GENERATORS WITH STANDARD PANEL</b>		
M-2061	5 KVA	Each	DELETED
M-2062	7.5 KVA	Each	DELETED
M-2063	10 KVA	Each	DELETED
M-2064	15 KVA	Each	DELETED
M-2065	20 KVA	Each	DELETED
M-2066	30 KVA	Each	DELETED
M-2067	35 KVA	Each	DELETED
M-2068	40 KVA	Each	DELETED
M-2069	45 KVA	Each	DELETED
M-2070	62.5 KVA	Each	DELETED
M-2071	82.5 KVA	Each	DELETED
M-2072	100 KVA	Each	DELETED
M-2073	125 KVA	Each	DELETED
M-2074	160 KVA	Each	DELETED
M-2075	200 KVA	Each	DELETED
M-2076	250 KVA	Each	DELETED
M-2077	500 KVA	Each	DELETED
<b>9</b>	<b>GENERATORS WITH AUTO MAIN FAILURE (AMF) PANEL</b>		
M-2078	62.5 KVA	Each	DELETED
M-2079	82.5 KVA	Each	DELETED
M-2080	100 KVA	Each	DELETED
M-2081	125 KVA	Each	DELETED
M-2082	160 KVA	Each	DELETED
M-2083	200 KVA	Each	DELETED

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2084	250 KVA	Each	DELETED
M-2085	Exhaust Pipe with Silencer	RM	2215.00
<b>10</b>	<b>PASSENGER LIFTS (G+3) SS 304 Grade with 1m/sec. speed with ARD Higher End</b>		
<b>A</b>	<b>8 Persons Passenger Lift Car Size (1300 x 1100)</b>		
M-2086	Gearless Lift with Machine Room	Each	DELETED
M-2087	Gearless Lift without Machine Room	Each	DELETED
<b>B</b>	<b>10 Persons Passenger Lift Car Size (1300 x 1350)</b>		
M-2088	Gearless Lift with Machine Room	Each	DELETED
M-2089	Gearless Lift without Machine Room	Each	DELETED
<b>C</b>	<b>13 Persons Passenger Lift Car Size (2000 x 1100)</b>		
M-2090	Gearless Lift with Machine Room	Each	DELETED
M-2091	Gearless Lift without Machine Room	Each	DELETED
<b>D</b>	<b>20 Persons Passenger Lift Car Size (2000 x 1500)</b>		
M-2092	Gearless Lift with Machine Room	Each	DELETED
M-2093	Gearless Lift without Machine Room	Each	DELETED
	Further increase of rate per floor for every additional floor Rs.1,00,000/- per floor. Comprehensive servicing and maintenance of lifts for further period of 2 years beyond free warranty period of one year from the date of commissioning of lifts will be paid at the rate of 5% of capital cost of lift.		
<b>11</b>	<b>BED-CUM-PASSENGER LIFTS (G+3) SS 304 Grade with 1m/sec. speed with ARD Higher End</b>		
<b>A</b>	<b>15 Persons Passenger Lift Car Size (1000 x 2400)</b>		
M-2094	Gearless Lift with Machine Room	Each	DELETED
M-2095	Gearless Lift without Machine Room	Each	DELETED

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>B</b>	<b>20 Persons Passenger Lift Car Size (1300 x 2400)</b>		
M-2096	Gearless Lift with Machine Room	Each	DELETED
M-2097	Gearless Lift without Machine Room	Each	DELETED
<b>C</b>	<b>26 Persons Passenger Lift Car Size (1600 x 2400)</b>		
M-2098	Gearless Lift with Machine Room	Each	DELETED
M-2099	Gearless Lift without Machine Room	Each	DELETED
	Further increase of rate per floor for every additional floor Rs.1,00,000/- per floor. Comprehensive servicing and maintenance of lifts for further period of 2 years beyond free warranty period of one year from the date of commissioning of lifts will be paid at the rate of 5% of capital cost of lift.		
<b>12</b>	<b>1 PHASE UPS (Single Phase In &amp; Single Phase Out)</b>		
	<b>CAPACITY - SYSTEM WITH BATTERY - 1 HOUR BACK-UP</b>		
M-2100	1 KVA	Each	31100.00
M-2101	2 KVA	Each	68600.00
M-2102	3 KVA	Each	82800.00
M-2103	5 KVA	Each	152900.00
M-2104	7.5 KVA	Each	184600.00
<b>12</b>	<b>1 PHASE UPS (Single Phase In &amp; Single Phase Out)</b>		
	<b>CAPACITY - SYSTEM WITH BATTERY - 2 HOURS BACK-UP</b>		
M-2105	1 KVA	Each	41500.00
M-2106	2 KVA	Each	90100.00
M-2107	3 KVA	Each	142400.00
M-2108	5 KVA	Each	211000.00
M-2109	7.5 KVA	Each	240500.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>13</b>	<b>3 PHASE UPS (Three Phase In &amp; Single Phase out)</b>		
	<b>CAPACITY - SYSTEM WITH BATTERY - 1 HOUR BACK-UP</b>		
M-2110	7.5 KVA	Each	195100.00
M-2111	10 KVA	Each	284900.00
M-2112	15 KVA	Each	390400.00
<b>13</b>	<b>3 PHASE UPS (Three Phase In &amp; Single Phase out)</b>		
	<b>CAPACITY - SYSTEM WITH BATTERY - 2 HOURS BACK-UP</b>		
M-2113	7.5 KVA	Each	250500.00
M-2114	10 KVA	Each	379900.00
M-2115	15 KVA	Each	470600.00
<b>XV</b>	<b>PART "O"</b>		
<b>1</b>	<b>GI STEEL TUBULAR POLE FOR STREET LIGHT</b>		
M-2116	4 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 4000mm Length	Each	6350.00
M-2117	4 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 4000mm Length	Each	7230.00
M-2118	6 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 6000mm Length	Each	7590.00
M-2119	6 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 6000mm Length	Each	8470.00
M-2120	7 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4000mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.1mm OD x 3.25mm Thick x 1500mm Length	Each	9730.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2121	7 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4000mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.10mm OD x 3.25mm Thick x 1500mm Length	Each	10700.00
M-2122	7.50 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.1mm OD x 3.25mm Thick x 1500mm Length	Each	10870.00
M-2123	7.50 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1500mm Length, 76.10mm OD x 3.25mm Thick x 1500mm Length	Each	12010.00
M-2124	8 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	11190.00
M-2125	8 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 4500mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	12320.00
M-2126	8.50 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	11930.00
M-2127	8.50 Metre Length Double Bracket Pole with Base Plate (250 x 250 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 1750mm Length, 76.10mm OD x 3.25mm Thick x 1750mm Length	Each	13390.00
M-2128	9 Metre Length Single Bracket Pole with Base Plate (300 x 300 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 2000mm Length, 76.10mm OD x 3.25mm Thick x 2000mm Length	Each	11930.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2129	9 Metre Length Double Bracket Pole with Base Plate (300 x 300 x 6mm) 114.30mm OD x 5.40mm Thick x 5000mm Length, 88.90mm OD x 4.85mm Thick x 2000mm Length, 76.10mm OD x 3.25mm Thick x 2000mm Length	Each	13390.00
M-2130	10 Metre Length Single Bracket Pole with Base Plate (300 x 300 x 6mm) 139.70mm OD x 4.50mm Thick x 5200mm Length, 114.30mm OD x 4.50mm Thick x 2400mm Length, 88.90mm OD x 3.25mm Thick x 2400mm Length	Each	15800.00
M-2131	10 Metre Length Double Bracket Pole with Base Plate (300 x 300 x 6mm) 139.70mm OD x 4.50mm Thick x 5200mm Length, 114.30mm OD x 4.50mm Thick x 2400mm Length, 88.90mm OD x 3.25mm Thick x 2400mm Length	Each	16230.00
M-2132	12 Metre Length Single Bracket Pole with Base Plate (300 x 300 x 6mm) 165.10mm OD x 4.50mm Thick x 5800mm Length, 139.70mm OD x 4.50mm Thick x 3100mm Length, 114.30mm OD x 3.65mm Thick x 3100mm Length	Each	18620.00
M-2133	12 Metre Length Double Bracket Pole with Base Plate (300 x 300 x 6mm) 165.10mm OD x 4.50mm Thick x 5800mm Length, 139.70mm OD x 4.50mm Thick x 3100mm Length, 114.30mm OD x 3.65mm Thick x 3100mm Length	Each	20640.00
<b>2</b>	<b>OCTAGONAL POST</b>		
M-2134	Supply, Erection of 8m Free Standing Single Arm Bracket 8 sided Octagonally continuously tapered structured pole with base plate of size 300 x 300 x 12mm as per IS-875 with following specification. Bottom Pole Dia - 130mm Top Pole Dia - 70 mm Thickness of Pole - 3 mm The pole should be hot dip galvanized conforming to BESN ISO-1461 with thickness of 65 Micron	Each	20790.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2135	<p>Supply, Erection of 8m Free Standing Double Arm Bracket 8 sided Octogonally continuously tapered structured pole with base plate of size 300 x 300 x 12mm as per IS-875 with following specification.</p> <p>Bottom Pole Dia - 130mm  Top Pole Dia - 70 mm  Thickness of Pole - 3 mm</p> <p>The pole should be hot dip galvanized confirming to BESN ISO-1461 with thickness of 65 Micron</p>	Each	21920.00
M-2136	<p>Supply, Erection of 7m Free Standing Double Arm Bracket 8 sided Octogonally continuously tapered structured pole with base plate of size 250 x 250 x 12mm as per IS-875 with following specification.</p> <p>Bottom Pole Dia - 140mm  Top Pole Dia - 70 mm  Thickness of Pole - 3 mm</p> <p>The pole should be hot dip galvanized confirming to BESN ISO-1461 with thickness of 65 Micron</p>	Each	20910.00
M-2137	Minimast (12 Metre) with 6 Nos. 150W LED Fitting	Each	349800.00
M-2138	Highmast (16 Metre) with 8 Nos. 150W LED Fitting	Each	528100.00
	<b>LIGHTNING ROD</b>		
M-2139	<p>Supply of Early Streamer Emission Air Terminal (ESEAT). Model: L The ESEAT has corrosion resistant stainless chrome body made up of AISI 316 grade of height 0.50 metres capable of working in hazardous atmosphere. The Air terminal is non-radioactive and requires no special licensing. The unit is fully autonomous (no battery, no external power supply is required), collects energy from the ambient electric field. The ESEAT model has been tested in a high voltage laboratory in accordance with NFC 17 102 in order to measure the average gain in triggering. The average gain in triggering time (<math>\Delta T_s</math>) obtained during the lab test for the offered model is 60 <math>\mu s</math>. The ESEAT works on negative as well as positively polarized discharges. ESEAT has been tested for such discharges in Central Power Research Institute (CPRI). A dedicated tester is available to test the healthiness of the ESEAT on request (Page No. 37, Point No. 3 of Clause 8.6 of the Revised NFC 17-102 version 2011 ). ESEAT Model : L - Radius of protection : 86 Metres Level of protection considered for the Project-II level</p>	Each	DELETED

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2140	Supply of Early Streamer Emission Air Terminal (ESEAT). Model: S The ESEAT has corrosion resistant stainless chrome body made up of AISI 316 grade of height 0.50 metres capable of working in hazardous atmosphere. The Air terminal is non-radioactive and requires no special licensing. The unit is fully autonomous (no battery, no external power supply is required ), collects energy from the ambient electric field.The ESEAT model has been tested in a high voltage laboratory in accordance with NFC 17 102 in order to measure the average gain in triggering. The average gain in triggering time ( $\Delta T_s$ ) obtained during the lab test for the offered model is 60 $\mu s$ . The ESEAT works on negative as well as positively polarized discharges. ESEAT has been tested for such discharges in Central Power Research Institute (CPRI). A dedicated tester is available to test the healthiness of the ESEAT on request (Page No. 37, Point No. 3 of Clause 8.6 of the Revised NFC 17-102 version 2011 ). ESEAT Model : S - Radius of protection : 46 Metres Level of protection considered for the Project-II level	Each	DELETED
<b>c</b>	<b>MOUNTING STRUCTURE</b>		
M-2141	Supply of Standard / Special Mounting Structure of height 4.5 mts. pipe, and 300 x 300 x 8mm MS plate, 3 mts. 48mm OD class C GI outer pipe,1.8 mtr, 38mm OD inner pipe, for roof mounting on concrete base and with FRP adapter	Each	DELETED
<b>d</b>	<b>DOWN CONDUCTOR</b>		
M-2142	Supply and run of 25mm x 6mm GI Flat Down Conductor with necessary clamps / supports on wall / floor / ground for earth connection	Mtr	DELETED
<b>e</b>	<b>TEST LINK</b>		
M-2143	Supply of Test Link Box for each Down conductor in order to disconnect the earth termination system to enable measurement of resistance	Each	DELETED
<b>f</b>	<b>EARTH ELECTRODE</b>		
M-2144	Supply and insallation maintenance free GI Earthing System comprising of 50mm dia and 2 mtr. long earth electrode of low carbon steel rod with 100 micron bonding and 25 kgs. of carbon based environment friendly backfill compound and suitable clamp	Each	DELETED

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>g</b>	<b>SURGE PROTECTION</b>		
M-2145	Supply and insallation Cabinet Type Class 1 and 2 Combined Model SPD to arrest surges and overvoltages in the power line due to lighning switching action etc. they must be installed in the incoming MCC panel / DB of the respective buling in parallel to the power circuit. Model: PSV4-12.5/400TT (3 phase power network)	Each	DELETED
<b>XVI</b>	<b>PART "P"</b>		
	<b>CONFERENCE TYPE PUBLIC ADDRESS SYSTEM, PROJECTOR AND MOTORIZED SCREEN - HIGHER END</b>		
M-2146	Chairman Unit	Each	15702.00
M-2147	Delegate Unit	Each	13915.00
M-2148	Conference Controller	Set	34814.00
M-2149	PA Mixer Amplifier 120W	Set	21250.00
M-2150	PA Mixer Amplifier 240W	Set	27280.00
M-2151	PA Booster Amplifier 480W	Set	47100.00
M-2152	Wall Speaker 15W	Each	9150.00
M-2153	Wall Speaker 30W	Each	13310.00
M-2154	Ceiling Speaker 15W	Each	2316.00
M-2155	Ceiling Speaker 20W	Each	3581.00
M-2156	Cordless Mic UHF	Each	21300.00
M-2157	8 Pin Conference Mic Socket with Modular Box and Front Plate	Each	349.00
M-2158	2 Core 1.5 sq.mm Shielded Copper Speaker Wire	RM	43.00
M-2159	8 Core 1.5 sq.mm PVC Copper Conference Ccable	RM	165.00
M-2160	3200 Ansi Lumens Projector, XGA (1024X 768 ) Resolution, Contrast Ratio: 4000:1	Each	41340.00
M-2161	3600 Ansi Lumens Projector, XGA (1024X 768 ) Resolution, Contrast Ratio: 20000:1	Each	58800.00
M-2162	3300 Ansi Lumens Short Throw Projector, WXGA (1280 X 800) Resolution, Contrast Ratio: 3000:1	Each	103600.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2163	6' x 4' Motorized Screen	Each	12748.00
M-2164	8' x 6' Motorized Screen	Each	17110.00
M-2165	10' x 8' Motorized Screen	Each	20500.00
M-2166	3 Feet Ceiling Mount Kit	Each	4336.00
M-2167	20 Metre HDMI Cable	Set	4480.00
M-2168	3 Core 1.5 sq.mm. PVC Power Cable for Projector	RM	60.92
<b>24</b>	<b>UNARMoured 0.5MM TELEPHONE CABLE</b>		
M-2169	2 Pair	RM	9.50
M-2170	4 Pair	RM	17.10
M-2171	10 Pair	RM	40.50
M-2172	20 Pair	RM	75.30
M-2173	50 Pair	RM	169.90
<b>25</b>	<b>ARMoured 0.5MM JELLY FILLED TELEPHONE CABLE</b>		
M-2174	10 Pair	RM	158.10
M-2175	20 Pair	RM	232.30
M-2176	50 Pair	RM	451.00
M-2177	100 Pair	RM	782.00
M-2178	200 Pair	RM	1457.00
<b>26</b>	<b>UNARMoured CO-AXIAL CABLE FOR TV</b>		
M-2179	RG-06	RM	24.60
M-2180	RG-11	RM	55.90
<b>27</b>	<b>ARMoured CO-AXIAL CABLE FOR TV</b>		
M-2181	RG-06	RM	94.50
M-2182	RG-11	RM	134.30
<b>28</b>	<b>UNARMoured LAN &amp; CCTV CABLE</b>		
M-2183	CAT-6	RM	30.90

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>29</b>	<b>ARMOURED LAN &amp; CCTV CABLE</b>		
M-2184	CAT-6	RM	110.70
<b>30</b>	<b>UNARMOURED SPEAKER CABLE</b>		
M-2185	2 Core - 1.0 sq.mm	RM	29.90
M-2186	2 Core - 1.5 sq.mm	RM	43.00
<b>31</b>	<b>ARMOURED SPEAKER CABLE</b>		
M-2187	2 Core - 1.5 sq.mm	RM	89.20
M-2188	2 Core - 2.5 sq.mm	RM	110.70
<b>32</b>	<b>OFC CABLE</b>		
M-2189	6 Core Indoor	RM	56.90
M-2190	6 Core Outdoor	RM	62.20
M-2191	12 Core Indoor	RM	72.90
<b>33</b>	<b>PoE SWITCHES FOR CCTV IP CAMERA - HIGHER END</b>		
M-2192	4 Port	Each	6498.00
M-2193	8 Port	Each	8985.00
M-2194	24 Port	Each	20336.00
<b>34</b>	<b>NETWORK VIDEO RECORDER FOR CCTV HIGHER END</b>		
M-2195	4 Channel - 1 SATA	Each	5875.00
M-2196	8 Channel - 1 SATA (1 No. Hard Disk)	Each	6780.00
M-2197	16 Channel - 2 SATA (2 Nos. Hard Disk)	Each	12420.00
M-2198	32 Channel - 2 SATA (2 Nos. Hard Disk)	Each	22590.00
<b>35</b>	<b>LAN NETWORK SWITCHES - HIGHER END</b>		
<b>I</b>	<b>Un-Managed 10 / 100 / 1000</b>		
M-2199	8 Port	Each	2089.00
M-2200	16 Port	Each	5480.00
M-2201	24 Port	Each	6725.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>II</b>	<b>Semi-Managed 10 / 100 / 1000 - Higher End</b>		
M-2202	24 Port	Each	12651.00
<b>III</b>	<b>Fully Managed 10 / 100 / 1000 Layer-2 with 1G Uplink - Higher End</b>		
M-2203	8 Port	Each	18070.00
M-2204	24 Port	Each	37290.00
M-2205	24 Port with Fibre Port	Each	66675.00
M-2206	48 Port	Each	45180.00
<b>IV</b>	<b>Fully Managed 10 / 100 / 1000 Layer-2 with 10G Uplink- Higher End</b>		
M-2207	24 Port	Each	40670.00
M-2208	28 Port	Each	52245.00
<b>V</b>	<b>Fully Managed 10 / 100 / 1000 Layer-3 with 10G Uplink - Higher End</b>		
M-2209	24 Port	Each	118600.00
M-2210	24 Port with Fibre Port	Each	135530.00
M-2211	48 Port	Each	220275.00
<b>36</b>	<b>MEDIA CONVERTER FOR OPTICAL FIBRE CABLE HIGHER END</b>		
M-2212	Single Mode	Each	5651.00
M-2213	Multi Mode	Each	5080.00
<b>37</b>	<b>I/O SOCKET - HIGHER END</b>		
M-2214	RJ-45	Each	170.00
M-2215	RJ-11	Each	67.70
M-2216	CAT 6 PVC Module Box	Each	64.80
M-2217	Face Plate Single Socket RJ-45	Each	97.70
M-2218	Face Plate Dual Socket RJ-45	Each	108.00
M-2219	Face Plate Quad Socket RJ-45	Each	119.20

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>38</b>	<b>HARD DISK FOR NVR - HIGHER END</b>		
M-2220	2 TB	Each	6215.00
M-2221	4 TB	Each	13166.00
M-2222	6 TB	Each	17850.00
M-2223	8 TB	Each	25980.00
<b>39</b>	<b>RACK WITH ACCESSORIES - HIGHER END</b>		
M-2224	2U Rack	Each	2033.00
M-2225	4U Rack	Each	2823.00
M-2226	6U Rack	Each	3388.00
M-2227	9U Rack	Each	4518.00
M-2228	12U Rack	Each	6778.00
M-2229	36U Rack	Each	22590.00
M-2230	42U Rack	Each	39540.00
M-2231	Fan extra for the above rack	Each	564.00
<b>40</b>	<b>PATCH CORD - HIGHER END</b>		
M-2232	1 Metre Length	Each	146.00
M-2233	2 Metre Length	Each	197.00
M-2234	3 Metre Length	Each	237.00
M-2235	24 Port Patch Panel – Unloaded	Each	2259.00
M-2236	24 Port Patch Panel – Fully Loaded	Each	4238.00
<b>XVII</b>	<b>PART "Q"</b>		
	<b>HIRE CHARGES FOR TEMPORARY ARRANGEMENTS</b>		
<b>1</b>	<b>METAL HALLIDE LAMP</b>		
H-0001	1 Day	Each	280.70
H-0002	2 Days	Each	353.00
H-0003	3 Days	Each	409.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
H-0004	4 Days	Each	460.00
H-0005	5 Days	Each	516.00
H-0006	6 Days	Each	561.00
H-0007	7 Days	Each	618.00
<b>2</b>	<b>GENERATOR - Starting and Ending Day</b>		
H-0008	62.5 KVA	Each	1797.00
H-0009	125 KVA	Each	3709.00
H-0010	250 KVA	Each	7421.00
H-0011	320 KVA	Each	8882.00
H-0012	500 KVA	Each	13493.00
<b>2</b>	<b>GENERATOR - Intermediate Days</b>		
H-0013	62.5 KVA	Each	1438.00
H-0014	125 KVA	Each	2967.00
H-0015	250 KVA	Each	5936.00
H-0016	320 KVA	Each	7107.00
H-0017	500 KVA	Each	10790.00
<b>3</b>	<b>CABLE</b>		
H-0018	2 of 7/20 sq.mm	RM	2.14
H-0019	4 of 7/20 sq.mm	RM	4.28
H-0020	4 of 19/16 sq.mm	RM	11.75
H-0021	4 of 7/16 sq.mm	RM	6.40
H-0022	4 of 120 sq.mm	RM	56.70
H-0023	3.5 x 180 sq.mm LTUG	RM	22.45
H-0024	4 of 185 sq.mm	RM	79.15
H-0025	3 Core Fluxible Wire	RM	3.21
H-0026	4 Core Fluxible Wire	RM	3.21

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
H-0027	4 Core 6 sq.mm Copper Cable	RM	6.40
H-0028	4 x 10 sq.mm Flexible Cable	RM	6.40
H-0029	2 of 3/20 sq.mm	RM	2.14
H-0030	3 1/2 x 50 sq.mm LTUG	RM	11.75
H-0031	Co-Axial Cable	RM	1.07
<b>4</b>	<b>SERIAL SET</b>		
H-0032	2 Days	RM	18.15
H-0033	3 Days	RM	26.75
H-0034	Fly Catcher 2 Days	Each	179.70
H-0035	Air Cooler with Stand 2 Days	Each	304.00
H-0036	Air Circulator 2 Days	Each	67.35
H-0037	Pedastal Fan	Each	44.90
H-0038	LED Nose Light	Each	19.15
H-0039	Earth Pipe	RM	34.20
H-0040	100A Change Over Switch	Each	169.00
H-0041	250A Change Over Switch	Each	179.70
H-0042	400A Change Over Switch	Each	224.20
H-0043	250A Change Over Switch with Panel Board	Each	842.30
H-0044	100A Panel Board with 100A TPN Switch & 5 Nos. 30A TPN switch with Bus Bar	Each	871.60
H-0045	250A Panel Board with 250A TPN Switch & 7 Nos. 63A DPMCB switch	Each	1124.00
H-0046	100A Panel Board incoming 100A TPN Switch with various range of TP/DP/SP MCB with suitable angle iron frame work	Each	831.00
H-0047	200A Panel Board	Each	898.00
H-0048	400A Panel Board	Each	1685.00
H-0049	4'40W Patty Tube Light with Fitting	Each	26.60

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
H-0050	15A / 5A Plug Board	Each	26.60
H-0051	Blank Post	Each	2080.00
H-0052	6mtr GI Post for Metal Halide Fitting	Each	101.70
H-0053	1.5 TR Split AC	Each	5622.00
H-0054	2 TR Split AC	Each	7534.00
H-0055	5 TR Split AC	Each	26530.00
H-0056	7.5 TR Ductable AC	Each	38790.00
H-0057	5 TR Slim Pack	Each	26315.00
H-0058	Air Curtain	Each	561.00
H-0059	High Power Audio System	Each	50600.00
H-0060	PA System	Each	7871.00
H-0061	Amplifier, Mic, XLR	Each	5622.00
H-0062	2 x 15 HF 3 Way Speaker	Each	1797.00
H-0063	1 x 15 HF Speaker	Each	1124.00
H-0064	4 x 12 Loud Speaker	Each	673.00
H-0065	Car Calling System arrangement	Each	3373.00
H-0066	Cordless Mic	Each	561.00
H-0067	Wired Mic	Each	561.00
H-0068	32 Channel Mixer Amplifier	Each	673.00
H-0069	Laptop to play CD Songs	Each	2248.00
H-0070	5 KVA with 1 Hour back-up	Each	8433.00
H-0071	Power Amplifier	Each	224.80
H-0072	Video Camera	Each	5622.00
H-0073	42" Plasma Screen	Each	2810.00
H-0074	Mixer Board, Computer, UPS, etc	Each	8989.00
H-0075	200W LED Flood Light Fitting	Each	224.80
H-0076	5TR Slim Package AC	Each	28450.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>XVIII</b>	<b>PART "R"</b>		
<b>1</b>	<b>Diesel Generator Set with acoustic enclosure conforming to CPCB IV+ Norms and BIS Specifications</b>		
	<b>With AMF Panel</b>		
M-2327	5 kVA	Each	326250.00
M-2328	15 kVA	Each	468400.00
M-2329	25 kVA	Each	642400.00
M-2330	40 kVA	Each	757000.00
M-2331	58.5 kVA	Each	862600.00
M-2332	100 kVA	Each	1562000.00
M-2333	125 kVA	Each	1601000.00
M-2334	160 kVA	Each	2078000.00
M-2335	200 kVA	Each	2578000.00
M-2336	250 kVA	Each	2849000.00
M-2337	320 kVA	Each	3595350.00
M-2338	500 kVA	Each	5737580.00
M-2339	750 kVA	Each	8549410.00
<b>2</b>	<b>Diesel Generator Set with acoustic enclosure conforming to CPCB II Norms and BIS Specifications</b>		
	<b>With AMF Panel</b>		
M-2340	1010 kVA	Each	8693000.00
M-2341	1250 kVA	Each	11650000.00
M-2342	1500 kVA	Each	13800000.00
<b>3</b>	<b>Diesel Generator Set with acoustic enclosure conforming to CPCB IV+ Norms and BIS Specifications</b>		
	<b>With Standard Control Panel</b>		
M-2343	5 kVA	Each	228250.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2344	15 kVA	Each	410400.00
M-2345	25 kVA	Each	584400.00
M-2346	40 kVA	Each	697000.00
M-2347	58.5 kVA	Each	789600.00
M-2348	100 kVA	Each	1452000.00
M-2349	125 kVA	Each	1461600.00
M-2350	160 kVA	Each	1922400.00
M-2351	200 kVA	Each	2433600.00
M-2352	250 kVA	Each	2646000.00
M-2353	320 kVA	Each	3253350.00
M-2354	500 kVA	Each	5099580.00
M-2355	750 kVA	Each	7831410.00
<b>4</b>	<b>Diesel Generator Set with acoustic enclosure conforming to CPCB II Norms and BIS Specifications</b>		
	<b>With Standard Control Panel</b>		
M-2356	1010 kVA	Each	7893000.00
M-2357	1250 kVA	Each	10800000.00
M-2358	1500 kVA	Each	12800000.00
<b>5</b>	<b>SOLAR PV PLANT</b>		
	On Grid Solar PV Plant comprising of: i) Solar panels of type Mono Crystline, PERC, etc. ii) Power Conditioning Unit (PCU)with MPPT, Inverter, Controls, Protection Devices, Interconnecting D.C. cables, Connectors, Junction Boxes and accessories. iii) D.C. D.B iv) A.C. D.B v) A.C. cables and accessories vi) Lightning arrestor, earthing, etc. vii) Module Metallic Mounting Structures viii) Installation, Testing and Commissioning corresponds to BIS and IEC requirements		
M-2359	Upto 3 kWp	kWp	68750.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2360	4 kWp to 10 kWp	kWp	66750.00
M-2361	11 kWp to 100 kWp	kWp	57750.00
M-2362	Above 100 kWp	kWp	52000.00
<b>XIX</b>	<b>PART "S"</b>		
	<b>LIFT (Rate for Ground + 3 floors)</b>		
<b>1</b>	<b>Passenger Lift with M/C room, Speed 1.5 m/s with Stainless Steel Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2363	20 Persons	Each	2800000.00
M-2364	16 Persons	Each	2200000.00
M-2365	13 Persons	Each	2100000.00
M-2366	10 Persons	Each	1985000.00
M-2367	8 Persons	Each	1850000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/- & Add for Double side entry - Rs.2,50,000/-		
<b>2</b>	<b>Passenger Lift MRL, Speed 1.5 m/s with Stainless Steel Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2368	20 Persons	Each	2700000.00
M-2369	16 Persons	Each	2300000.00
M-2370	13 Persons	Each	2150000.00
M-2371	10 Persons	Each	2000000.00
M-2372	8 Persons	Each	1857000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/- & Add for Double side entry Rs.2,50,000/-		

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>3</b>	<b>Bed-cum-Passenger Lift with M/C room, Speed 1 m/s with Stainless Steel Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2373	26 Persons	Each	3500000.00
M-2374	20 Persons	Each	2750000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,50,000/-		
<b>4</b>	<b>Bed-cum-Passenger Lift MRL Speed, 1 m/s with Stainless Steel Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2375	26 Persons	Each	3400000.00
M-2376	20 Persons	Each	2650000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,50,000/-		
<b>5</b>	<b>Stretcher-cum-Passenger Lift with M/C room, Speed 1 m/s with Stainless Steel Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2377	15 Persons	Each	2100000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/- & Add for Double side entry - Rs.2,50,000/-		
<b>6</b>	<b>Stretcher-cum-Passenger Lift MRL, Speed 1 m/s with Stainless Steel Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2378	15 Persons	Each	2000000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/- & Add for Double side entry - Rs.2,50,000/-		
<b>7</b>	<b>Goods/Service lift with M/C room, Speed 1 m/s with Stainless Steel Panels, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2379	500 kg	Each	2110000.00
M-2380	1000 kg	Each	2440000.00
M-2381	1500 kg	Each	3350000.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2382	2000 kg	Each	4150000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/-		
<b>8</b>	<b>Goods/Service lift MRL, Speed 1 m/s with Stainless Steel Panels, microprocessor based controller, VVVF drive, Fire rated doors and ARD.</b>		
M-2383	500 kg	Each	1810000.00
M-2384	1000 kg	Each	2140000.00
M-2385	1500 kg	Each	3050000.00
M-2386	2000 kg	Each	4000000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/-		
<b>9</b>	<b>Service/ Dumb waiter lift MRL Speed 1 m/s with M.S. Panels, microprocessor based controller, VVVF drive</b>		
M-2387	100 kg	Each	950000.00
M-2388	150 kg	Each	1000000.00
M-2389	200 kg	Each	1050000.00
M-2390	240 kg	Each	1100000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.50,000/-		
<b>10</b>	<b>Panoramic/ Glass Lift MRL Speed 1 m/s with Glass Panels, Disable friendly, microprocessor based controller, VVVF drive, Fire rated doors and ARD</b>		
M-2391	13 Persons	Each	2200000.00
M-2392	10 Persons	Each	2100000.00
M-2393	8 Persons	Each	2000000.00
	Note: Add for every additional Floor over G+3 Floors - Rs.1,00,000/-		

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>11</b>	<b>Escalator</b>		
M-2394	Escalator Heavy duty, Reversible, PLC/ microprocessor based controller, VVVF drive with 0.5 m/ sec speed, 30-35 Deg inclination, tread depth ≥ 40cm height ≤ 22 cm , width 1 mtr and 3.6 mtrs height with Handrails made of Polyuerthane, Handrail frame of Hairline (finished stainless steel), Deck cover of Hairline (finished stainless steel), Interior panel-Balustrade of TYPE-P (Stainless steel), Skirt Guard of Hairline (finished stainless steel), Step tread of Stainless steel with synthetic Resin Demarcation (Yellow), Floor plate Comb. of Synthetic Resin (Yellow), Landing plate of Aluminium including all necessary safety devices & accessories, comb light shall be mounted on the skirt guard with 1m center to center arrangement and complete in all respects.	Each	2800000.00
	<p>Note:</p> <p>1. AMC cost at the rate of 5% the cost of lift for the first year after expiry of warranty period and for further 5 years at the rate of 5% increase for every year over the rate of previous year.</p> <p>2. For Vision Panel add Rs.10,000/- per floor in Passenger Lift, Bed- Cum Passanger lift, Stretcher-cum-Passenger lift.</p>		
<b>XX</b>	<b>PART "T"</b>		
	<b>SMOKE DETECTION AND FIRE ALARM SYSTEM</b>		
<b>1</b>	<b>CONVENTIONAL FIRE ALARM SYSTEM</b>		
M-2395	Standalone Fire Alarm Control Panel, LCD Display.	Each	10800.00
M-2396	Repeater Panel for maximum 8 Zone .	Each	12470.00
M-2397	Repeater Panel for Main panels with maximum 32 Zones	Each	18900.00
	Manual Call Point		
M-2398	Manual Pull Station - Single Action Red in Color. With Back Box	Each	5560.00
	Hooter		
M-2399	ABS Sounder cum strobe - 24V, 85 db	Each	2400.00
M-2400	Response Indicator - Dual LED (Metal square plate type)	Each	160.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	Detector		
M-2401	Heat Combination (ROR and Fixed Temp) Detector with base.	Each	1100.00
M-2402	Multi Sensor (Smoke and Heat combination) Detector with base	Each	1630.00
<b>2</b>	<b>ADDRESSABLE FIRE ALARM SYSTEM</b>		
	Addressable Fire Alarm Control Panel consists of display board which will have 160 Character Display with Touch key pad, Mother board 32 Bit Processor, In-built RS-485 Networking Circuit for peer to peer networking, In-built USB 2.0 Port, Loop Card having 254 devices of both detectors and modules in a single line circuit, SLC supports both Class A and Class B wiring Approval: UL Listed		
M-2403	Single Loop Panel	Each	88000.00
M-2404	2 Loop Panel	Each	116000.00
M-2405	3 Loop Panel	Each	144000.00
M-2406	4 Loop Panel	Each	172000.00
M-2407	Addressable Active Repeater Panel consists of display board having 160 Character Display with Touch key pad, Mother board which will have 64 Bit Processor, Inbuilt RS-485 Networking Circuit for peer to peer networking.	Each	43000.00
	Addressable Detectors with base with Binary coded address setting. Dual LED's for 360° visibility		
M-2408	Smoke detector	Each	2500.00
M-2409	Heat detector	Each	2450.00
M-2410	Multi Sensor - Heat Cum Smoke detector	Each	3000.00
	Beam Detector comprising of 4 wire system with Infra Red Emiter and Receiver in a single housing and single reflector plate		
M-2411	5-50mtrs.	Each	43600.00
M-2412	5-100mtrs.	Each	46600.00
	Manual Call Point		

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2413	Addressable Manual Call Point - Resettable type - with back box with Binary coded address setting with Status LED for 360° visibility.	Each	2800.00
M-2414	Conventional Manual Pull Station - Single Action.	Each	6750.00
	Hooter		
M-2415	Conventional type Horn / Strobe wall mounted type rated at 90 dBA @ 1m for Audible annunciation and 15cd minimum flashing at 1 Hz for visual indication.	Each	4500.00
M-2416	Conventional type Horn wall mounted type rated at 100 dBA @ 1m for Audible annunciation.	Each	1850.00
	Module		
M-2417	Fault Isolator Module capable of monitoring shorted loop circuit and automatically restore communications	Each	2800.00
	Response Indicator		
M-2418	Response indicator for all detectors located above false ceiling.	Each	160.00
M-2419	POWER SUPPLY : 24VDC Power Supply with 5 amp rating, having LED indications for Power supply ON,battery Fail,Battery Charging,battery back up etc.	Each	11000.00
<b>XXI</b>	<b>PART "U"</b>		
<b>1</b>	<b>Transformers</b>		
	<b>Oil cooled type</b>		
	Accessories for Plinth Mounted Transformer such as HT & LT Cable Entry Boxes, Copper Extension for Cable End Termination for HT & LT sides, Bucholz Relay, Marshaling Box, Wheels, Channels etc., for		
M-2420	250 kVA, 11 kV/433 V ONAN Outdoor Transformer (As per ISI 1180-Level 1)	Each	160000.00
M-2421	500 kVA, 11 kV/433 V ONAN Outdoor Transformer (As per ISI 1180-Level 1)	Each	179000.00
	<b>Transformers Plinth mounted with suitable HT &amp; LT Cable Entry Boxes, Copper Extension for Cable End Termination for HT &amp; LT sides, Bucholz Relay, Marshaling Box etc.,</b>		
M-2422	315 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	1175000.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2423	400 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	1415000.00
M-2424	800 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2040500.00
M-2425	1250 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2691000.00
M-2426	2000 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	3984000.00
M-2427	800 kVA, 22 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2349000.00
M-2428	1250 kVA, 22 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2970000.00
M-2429	2000 kVA, 22 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	4860000.00
M-2430	1000 kVA, 33 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2478000.00
M-2431	1250 kVA, 33 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2815000.00
M-2432	1600 kVA, 33 kV /433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	3536000.00
M-2433	2000 kVA, 33 kV/433V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	4127000.00
M-2434	2500 kVA, 33 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	4829000.00
M-2435	3000 kVA, 33 kV/11 kV Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	5490000.00
M-2436	4000 kVA, 33 kV/11 kV Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	6100000.00
M-2437	5000 kVA, 33 kV/11 kV with Off Circuit (As per ISI 1180-Level 1)	Each	6900000.00
	<b>Dry Type</b>		
M-2438	250 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	1275000.00
M-2439	500 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2304500.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2440	630 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	2505800.00
M-2441	800 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	3014550.00
M-2442	1000 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	3499650.00
M-2443	1250 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	3990000.00
M-2444	1600 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	4490000.00
M-2445	2000 kVA, 11 kV/433 V Outdoor with Off Circuit (As per ISI 1180-Level 1)	Each	5210000.00
<b>2</b>	<b>VCB Panel (EDO)</b>		
M-2446	22KV 800A 25KA Outdoor Single Panel VCB	Each	930000.00
M-2447	22KV 800A 25KA Outdoor Three Panel VCB	Each	2715000.00
M-2448	22KV 800A 25KA Outdoor Four Panel VCB	Each	3650000.00
M-2449	22KV 800A 25KA Indoor Single Panel VCB	Each	900000.00
M-2450	22KV 800A 25KA Indoor Three Panel VCB	Each	2675000.00
M-2451	22KV 800A 25KA Indoor Four Panel VCB	Each	3610000.00
M-2452	33KV 800A 25K Outdoor Single Panel VCB	Each	1010000.00
M-2453	33KV 800A 25K Outdoor Three Panel VCB	Each	3015000.00
M-2454	33KV 800A 25K Outdoor Four Panel VCB	Each	4025000.00
M-2455	33KV 800A 25K Indoor Single Panel VCB	Each	990000.00
M-2456	33KV 800A 25K Indoor Three Panel VCB	Each	2990000.00
M-2457	33KV 800A 25K Indoor Four Panel VCB	Each	3990000.00
<b>3</b>	<b>Automatic Power Factor Capacitor Panel</b>		
M-2458	25 KVAR	Each	56250.00
M-2459	30 KVAR	Each	67500.00
M-2460	40 KVAR	Each	90000.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2461	50 KVAR	Each	112500.00
M-2462	60 KVAR	Each	135000.00
M-2463	75 KVAR	Each	168750.00
M-2464	90 KVAR	Each	202500.00
M-2465	100 KVAR	Each	225000.00
M-2466	150 KVAR	Each	337500.00
M-2467	200 KVAR	Each	450000.00
<b>4</b>	<b>Sandwich - Rising Mains</b>		
<b>a</b>	<b>Aluminium Rising Mains</b>		
M-2468	400A straight run feeder IP55	Mtr	8114.00
M-2469	630A straight run feeder IP55	Mtr	9482.00
M-2470	800A straight run feeder IP55	Mtr	10933.00
M-2471	1000A straight run feeder IP55	Mtr	12424.00
M-2472	1250A straight run feeder IP55	Mtr	14156.00
M-2473	1600A straight run feeder IP55	Mtr	18966.00
M-2474	400A straight run feeder IP66	Mtr	8261.00
M-2475	630A straight run feeder IP66	Mtr	9609.00
M-2476	800A straight run feeder IP66	Mtr	11111.00
M-2477	1000A straight run feeder IP66	Mtr	12555.00
M-2478	1250A straight run feeder IP66	Mtr	14319.00
M-2479	1600A straight run feeder IP66	Mtr	19241.00
M-2480	End feed unit with 630A MCCB	Each	46000.00
M-2481	End feed unit with 800A MCCB	Each	70000.00
M-2482	End feed unit with 1000A MCCB	Each	75000.00
M-2483	End feed unit with 1250A MCCB	Each	80000.00
M-2484	End feed unit with 1600A MCCB	Each	85000.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2485	400A Tapoff box	Each	17583.00
M-2486	630A Tapoff box	Each	19634.00
M-2487	800A Tapoff box	Each	24543.00
M-2488	400A Flange End	Each	1400.00
M-2489	630A Flange End	Each	1700.00
M-2490	800A Flange End	Each	2000.00
M-2491	1000A Flange End	Each	2500.00
M-2492	1250A Flange End	Each	3000.00
M-2493	1600A Flange End	Each	3500.00
<b>b</b>	<b>Copper Rising Mains</b>		
M-2494	400A straight run feeder IP54	Mtr	26126.00
M-2495	630A straight run feeder IP54	Mtr	33138.00
M-2496	800A straight run feeder IP54	Mtr	39387.00
M-2497	1000A straight run feeder IP54	Mtr	42565.00
M-2498	1250A straight run feeder IP54	Mtr	56226.00
M-2499	1600A straight run feeder IP54	Mtr	72982.00
M-2500	2000A straight run feeder IP54	Mtr	97348.00
M-2501	400A copper flexible for termination	Each	20000.00
M-2502	630A copper flexible for termination	Each	24000.00
M-2503	800A copper flexible for termination	Each	28000.00
M-2504	1000A copper flexible for termination	Each	36000.00
M-2505	1250A copper flexible for termination	Each	44000.00
M-2506	1600A copper flexible for termination	Each	54034.00
M-2507	2000A copper flexible for termination	Each	64500.00
M-2508	400A Flange End	Each	4500.00
M-2509	630A Flange End	Each	4500.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2510	800A Flange End	Each	5000.00
M-2511	1000A Flange End	Each	6700.00
M-2512	1250A Flange End	Each	9500.00
M-2513	1600A Flange End	Each	12000.00
M-2514	2000A Flange End	Each	15500.00
<b>5</b>	<b>Current Transformer</b>		
M-2515	Current Transformer Ratio 100/5A, Burden 5VA, Cl.1.0	Each	3773.00
M-2516	Current Transformer Ratio 200/5A, Burden 5VA, Cl.1.0	Each	3577.00
M-2517	Current Transformer Ratio 300/5A, Burden 5VA, Cl.1.0	Each	5144.00
M-2518	Current Transformer Ratio 400/5A, Burden 5VA, Cl.1.0	Each	3706.00
M-2519	Current Transformer Ratio 500/5A, Burden 5VA, Cl.1.0	Each	7279.00
M-2520	Current Transformer Ratio 600/5A, Burden 5VA, Cl.1.0	Each	3758.00
<b>6</b>	<b>RCBO</b>		
a	Two Pole		
M-2521	16A 30mA	Each	4012.00
M-2522	32A 30mA	Each	4021.00
M-2523	63A 30mA	Each	5034.00
b	Four Pole		
M-2524	16A 30mA	Each	4551.00
M-2525	32A 30mA	Each	4699.00
M-2526	63A 30mA	Each	5720.00
<b>7</b>	<b>Metering Devices</b>		
M-2527	Multi function meter with CL 0.5	Each	5654.00
M-2528	Digital Ammeter 1 phase	Each	1055.00
M-2529	Digital Ammeter 3 phase	Each	1424.00
M-2530	Digital Voltmeter 1 phase	Each	1055.00
M-2531	Digital Voltmeter 3 phase	Each	1424.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>8</b>	<b>Cable Entry Box</b>		
M-2532	For SPN 4W DB	Each	716.00
M-2533	For SPN 8W DB	Each	860.00
M-2534	For SPN 12W DB	Each	958.00
M-2535	For VTPN MCCB DB	Each	3377.00
M-2536	For 7 segment 4W DB	Each	2504.00
M-2537	For 7 segment 6W DB	Each	2989.00
M-2538	For 7 segment 8W DB	Each	3300.00
M-2539	For 7 segment 12W DB	Each	3674.00
M-2540	For 4W Horizontal DB	Each	1432.00
M-2541	For 6W Horizontal DB	Each	1784.00
M-2542	For 8W Horizontal DB	Each	2242.00
M-2543	For 12W Horizontal DB	Each	2809.00
<b>9</b>	<b>Selector Switch</b>		
M-2544	Ammeter selector switch	Each	271.00
M-2545	Voltmeter selector switch	Each	199.00
M-2546	Mechanical interlock	Each	4068.00
<b>10</b>	<b>High-Power Plug &amp; Socket</b>		
M-2547	16A 200/250V 2P+E Surface Mounting Sockets	Each	1144.00
M-2548	16A 380/415V 3P+N+E Surface Mounting Sockets	Each	1385.00
M-2549	32A 200/250V 2P+E Surface Mounting Sockets	Each	1356.00
M-2550	32A 380/415V 3P+N+E Surface Mounting Sockets	Each	2347.00
M-2551	63A 380/415V 3P+N+E Surface Mounting Sockets	Each	5222.00
M-2552	125A 380/415V 3P+N+E Surface Mounting Sockets	Each	14524.00
M-2553	16A 200/250V 2P+E Panel Mounting Sockets	Each	837.00
M-2554	16A 200/250V 3P+N+E Panel Mounting Sockets	Each	945.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2555	32A 200/250V 2P+E Panel Mounting Sockets	Each	1063.00
M-2556	32A 200/250V 3P+N+E Panel Mounting Sockets	Each	1291.00
M-2557	63A 380/415V 3P+N+E Panel Mounting Sockets	Each	4028.00
M-2558	125A 380/415V 3P+N+E Panel Mounting Sockets	Each	11577.00
<b>XXII</b>	<b>PART "V"</b>		
	<b>LIGHTNING ARRESTER AND SURGE PROTECTION DEVICES</b>		
<b>1</b>	<b>LIGHTNING ARRESTER</b>		
M-2559	Aluminium alloy Solid Round Conductor with 8mm dia of material AlMgSi as per IEC 62561-2 with Conductor Holder, glue, connectors, joints etc.	Mtr	525.00
	Air termination rod 16/ 10 mm( Lightning rod)		
M-2560	1.2 mtr	Each	4500.00
M-2561	2 mtr	Each	5500.00
M-2562	3 mtr	Each	7980.00
M-2563	4 mtr	Each	9750.00
M-2564	Lightning counter - LCD display and battery	Each	27500.00
M-2565	S.S test joint	Each	5500.00
M-2566	Rust resistant non corrosive 10 mm dia Copper Bonded Steel round conductor for Earth termination	Mtr	250.00
M-2567	S.S. conductor holder	Each	150.00
M-2568	Maintenance Free earthing with Copper rod of 17.2 mm dia and 3m length	Each	10500.00
M-2569	25mm X 6mm GI strip	Mtr	175.00
M-2570	Cabinet type class 1 & 2 combined surge arrestor	Each	19500.00
<b>2</b>	<b>SURGE PROTECTION DEVICES</b>		
M-2571	Single Phase I <sub>max</sub> -50kA	Each	8513.00
M-2572	Three Phase I <sub>max</sub> -50kA	Each	16301.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>XXIII</b>	<b>PART "W"</b>		
	<b>COPPER CABLES AND RACEWAYS</b>		
<b>1</b>	<b>Copper Cables</b>		
	<b>L.T. 1100V PVC Copper Armoured Under Ground cable with ISI mark</b>		
M-2573	2 core 4sq.mm PVC copper UG cable	Mtr	330.00
M-2574	2 core 6sq.mm PVC copper UG cable	Mtr	451.00
M-2575	2core 10sq.mm PVC copper UG cable	Mtr	718.00
M-2576	2 core 25sq.mm PVC copper UG cable	Mtr	1568.00
M-2577	2 core 35sq.mm PVC copper UG cable	Mtr	2193.00
M-2578	3 core 4sq.mm PVC copper UG cable	Mtr	442.00
M-2579	3 core 6sq.mm PVC copper UG cable	Mtr	611.00
M-2580	3 core 10sq.mm PVC copper UG cable	Mtr	982.00
M-2581	3 core 16sq.mm PVC copper UG cable	Mtr	1468.00
M-2582	3 core 25sq.mm PVC copper UG cable	Mtr	2235.00
M-2583	3 core 35sq.mm PVC copper UG cable	Mtr	3096.00
M-2584	3 1/2 core 25sq.mm PVC copper UG cable	Mtr	2688.00
M-2585	3 1/2 core 35sq.mm PVC copper UG cable	Mtr	3512.00
M-2586	4 core 6sq.mm PVC copper UG cable	Mtr	788.00
M-2587	4 core 10sq.mm PVC copper UG cable	Mtr	1180.00
M-2588	4 core 16sq.mm PVC copper UG cable	Mtr	1890.00
M-2589	4 core 25sq.mm PVC copper UG cable	Mtr	2945.00
M-2590	4 core 35sq.mm PVC copper UG cable	Mtr	4072.00
<b>2</b>	<b>Raceways</b>		
M-2591	Raceways PVC 50mm x 38mm - 1 compartments	Mtr	1164.00
M-2592	Raceways PVC 100mm x 38mm - 2 compartments	Mtr	2134.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2593	Raceways PVC 150mm x 38mm - 3 compartments	Mtr	3281.00
M-2594	Raceways Metal / GI 50mm x 38mm	Mtr	969.00
M-2595	Raceways Metal / GI 75mm x 38mm	Mtr	1249.00
M-2596	Raceways Metal / GI 100mm x 38mm	Mtr	1548.00
M-2597	Raceways Metal / GI 150mm x 38mm	Mtr	2077.00
M-2598	Raceways Metal / GI 225mm x 38mm	Mtr	2077.00
M-2599	Raceways Metal / GI 300mm x 38mm	Mtr	3850.00
M-2600	Raceways Metal / GI Trunking 50mm x 25mm	Mtr	834.00
M-2601	Raceways Metal / GI 75mm x 25mm	Mtr	1075.00
M-2602	Raceways Metal / GI 100mm x 25mm	Mtr	1305.00
M-2603	Raceways Metal / GI 150mm x 25mm	Mtr	1764.00
M-2604	Raceways Metal / GI 225mm x 25mm	Mtr	2766.00
M-2605	Raceways Metal / GI 300mm x 25mm	Mtr	3507.00
M-2606	Fixing Bracket 50mm x 25mm	Each	32.00
M-2607	Fixing Bracket 75mm x 25mm	Each	53.00
M-2608	Fixing Bracket 100mm x 25mm	Each	59.00
M-2609	Fixing Bracket 150mm x 25m	Each	76.00
M-2610	Fixing Bracket 225mm x 25mm	Each	107.00
M-2611	Fixing Bracket 300mm x 25mm	Each	142.00
M-2612	Coupler for joining raceways - 38 mm	Each	142.00
M-2613	Coupler for joining raceways - 25 mm	Each	107.00
<b>XXIV</b>	<b>PART "X"</b>		
	<b>FLOOD LIGHTING</b>		
<b>1</b>	<b>LED High Bay Lights</b>		
M-2614	100 W	Each	11864.00
M-2615	150 W	Each	15254.00
M-2616	200 W	Each	18644.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>2</b>	<b>High Mast Lights</b>		
	Highmast GI polygonal pole suitable for 6 Nos. luminaires with aviation lamp with motorized lantern carriage.		
M-2617	20 mtrs.	Each	250000.00
M-2618	25 mtrs.	Each	300000.00
M-2619	30 mtrs.	Each	439500.00
<b>3</b>	<b>Sports Luminaires</b>		
a	LED Sports Luminaire IP66, IK08, 5700K with system efficacy at least 100 Lumens / watt		
M-2620	200 Watt	Each	19200.00
M-2621	250 Watt	Each	25600.00
M-2622	300 Watt	Each	28000.00
M-2623	350 Watt	Each	33600.00
M-2624	400 Watt	Each	40000.00
M-2625	500 Watt	Each	57600.00
M-2626	1000 Watt	Each	73600.00
b	LED Sports Luminaire IP66, IK08, 5700K with system efficacy at least 100 Lumens / watt with DMX compatible		
M-2627	1250 Watt	Each	145000.00
M-2628	1500 Watt	Each	188000.00
M-2629	1700 Watt	Each	200000.00
M-2630	1900 Watt	Each	248000.00
M-2631	DMX Controller	Each	276000.00
M-2632	DMX Spilter Cum Booster	Each	121646.00
M-2633	DMX Cable	Mtr	500.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>XXV</b>	<b>PART "Y"</b>		
	<b>FANS and AIR CONDITIONERS</b>		
<b>1</b>	<b>FANS</b>		
<b>a</b>	<b>BLDC Fans</b>		
M-2634	BLDC Ceiling Fan 1200mm(48") Sweep 300mm Down Rod	Each	1970.00
<b>b</b>	<b>HVLS Fans</b>		
M-2635	12 feet dia	Each	117000.00
M-2636	16 feet dia	Each	119492.00
M-2637	20 feet dia	Each	140678.00
M-2638	24 feet dia	Each	144950.00
<b>c</b>	<b>Wall Mounting Air Circulator Fans</b>		
M-2639	450mm wall mounting air circulator fan	Each	5495.00
M-2640	600mm wall mounting air circulator fan	Each	6490.00
M-2641	750mm wall mounting air circulator fan	Each	7665.00
<b>d</b>	<b>Pedestal Fans</b>		
M-2642	400mm High speed pedestal fan Oscilating	Each	2655.00
M-2643	500mm High speed pedestal fan Oscilating	Each	2955.00
M-2644	450mm Pedestal air circulator fan	Each	6070.00
M-2645	600mm Pedestal air circulator fan	Each	7460.00
M-2646	750mm Pedestal air circulator fan	Each	8880.00
<b>e</b>	<b>Modular Exhaust fan</b>		
M-2647	100mm Modular exhaust fan	Each	685.00
M-2648	150mm Modular exhaust fan	Each	765.00
M-2649	200mm Modular exhaust fan	Each	970.00
M-2650	250mm Modular exhaust fan	Each	1045.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>2</b>	<b>Solar Water Heater</b>		
	<b>Solar Water Heating System complete with Flat Plate Collector (FPC), insulated S.S. tank complete set (as per IS 12933; 2003)</b>		
M-2651	100 ltrs. capacity	Each	23500.00
M-2652	200 ltrs. capacity	Each	37500.00
M-2653	500 ltrs. Capacity	Each	69200.00
<b>3</b>	<b>Split A.C</b>		
<b>a</b>	<b>4 Way Cassette Inverter</b>		
M-2654	1.5 TR	Each	81000.00
M-2655	2 TR	Each	84000.00
M-2656	3 TR	Each	123000.00
M-2657	4 TR	Each	132000.00
<b>b</b>	<b>4 Way Cassette Non-Inverter</b>		
M-2658	1.5 TR	Each	75000.00
M-2659	2 TR	Each	79237.00
M-2660	3 TR	Each	118483.00
M-2661	4 TR	Each	135000.00
<b>c</b>	<b>Double Booster Voltage Stabilizer</b>		
M-2662	4 KVA	Each	5850.00
M-2663	5 KVA	Each	6500.00
<b>d</b>	<b>Package AC</b>		
<b>i</b>	<b>Ornamental circular/ Oval / Rectangular ducts with painting</b>		
M-2664	24 SWG G.I	Each	1059.00
M-2665	22 SWG G.I	Each	1229.00
M-2666	20 SWG G.I	Each	1398.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>ii</b>	<b>VRF 4 Way Cassette Indoor Unit</b>		
M-2667	1 TR	Each	44300.00
M-2668	1.5 TR	Each	48200.00
M-2669	2 TR	Each	50100.00
M-2670	3 TR	Each	59700.00
M-2671	4 TR	Each	62300.00
<b>4</b>	<b>Double Skin AHUs</b>		
<b>i</b>	<b>Double Skin AHUs Ceiling Mounted</b>		
M-2672	2200 Cfm 5.5 TR	Each	194907.00
M-2673	3000 Cfm 7.5 TR	Each	265788.00
M-2674	3400 Cfm 8.5 TR	Each	301229.00
M-2675	4400 Cfm 11 TR	Each	389826.00
<b>ii</b>	<b>Double Skin AHUs Floor Mounted</b>		
M-2676	2200 Cfm 5.5 TR	Each	248070.00
M-2677	3000 Cfm 7.5 TR	Each	338280.00
M-2678	3400 Cfm 8.5 TR	Each	383381.00
M-2679	4400 Cfm 11 TR	Each	496141.00
<b>iii</b>	<b>Double Skin AHUs Floor Mounted (3 sections) with mixing, Blower, Coil sections</b>		
M-2680	2200 Cfm 5.5 TR	Each	230351.00
M-2681	3000 Cfm 7.5 TR	Each	314115.00
M-2682	3400 Cfm 8.5 TR	Each	356000.00
M-2683	4400 Cfm 11 TR	Each	460703.00
<b>iv</b>	<b>Outdoor unit</b>		
M-2684	5.5 TR	Each	90703.00
M-2685	8.5 TR	Each	125941.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2686	11 TR	Each	156797.00
M-2687	17 TR	Each	251881.00
<b>v</b>	<b>Laminar Flow arrangements with HEPA Filters, Frames, etc.</b>		
M-2688	8 ft X 6 ft	Each	325393.00
M-2689	8 ft X 8 ft	Each	399309.00
<b>vi</b>	<b>Flexible Aluminium Circular Duct</b>		
M-2690	6 inches dia	Each	424.00
M-2691	9 inches dia	Each	593.00
<b>vii</b>	<b>Accessories</b>		
M-2692	Fire Dampers	Each	12754.00
M-2693	Expansion Valve	Each	5085.00
<b>viii</b>	<b>VFD Starter Panel complete set</b>		
M-2694	3 kW	Each	65340.00
M-2695	5 kW	Each	72235.00
M-2696	7.5 kW	Each	96525.00
M-2697	10 kW	Each	114381.00
<b>5</b>	<b>Cold Storage</b>		
<b>i</b>	Cold Storage Mortuary - 60 mm, Pre-Fab Modular PUF panels with Cyclopentane blowing agent Eco Friendly panels, insulated doors , floors, copper tus. telescopic S.S trays		
M-2698	2 Body	Each	401960.00
M-2699	4 Body	Each	582498.00
M-2700	6 Body	Each	775000.00
<b>ii</b>	Cold Storage Room - 60 mm, Pre-Fab Modular PUF panels with Cyclopentane blowing agent Eco Friendly panels, insulated doors , floors, copper tubes		
M-2701	10 ft x 10 ft x 8ft	Each	310000.00
M-2702	8ft x 8ft x 8ft	Each	285129.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>XXVI</b>	<b>PART "Z"</b>		
	<b>Miscellaneous Items</b>		
M-2703	MIRROR Light 20W LED Batten	Each	563.00
M-2704	8W Bollard Light	Each	6356.00
M-2705	11W Bollard Light	Each	8150.00
M-2706	20 Amps key card switch- Electronic(3M)	Each	2401.00
M-2707	LED Foot lamp	Each	730.00
M-2708	Blank Plate - 1M	Each	39.00
<b>XXVII</b>	<b>PART "AA"</b>		
	<b>RADIO ITEMS</b>		
<b>1</b>	<b>DIGITAL WIRED CONFERENCE SYSTEM :HOST, compliance with IEC914 and ISO Standards.</b>		
M-2709	Digital Central control unit for Conference system with monitor, speaker and equalizer.	Each	196791.00
M-2710	Digital Chairman Unit with 18 inch Goose Neck Microphone with Speaker and Priority.	Each	62410.00
M-2711	Digital Delegate Unit with 18 inch Goose Neck Microphone with Speaker.	Each	62040.00
M-2712	Male - Female 13 M 8-Pin Digital extension cable	Each	15100.00
<b>2</b>	<b>UHF WIRELESS CONFERENCE MIKE SYSTEM</b>		
M-2713	UHF Wireless Delegate / Chairman Unit with gooseneck microphone	Each	183120.00
M-2714	UHF Wireless WAP access point ( Supports Audio system only)	Each	437150.00
M-2715	UHF Wireless WAP access point ( Supports both Audio system and Camera system )	Each	566267.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2716	Rechargeable Battery for Delegate/ Chairman unit. (Backup above 8 hours)	Each	53322.00
M-2717	Rechargeable Battery for Delegate/ Chairman unit. (Backup upto 8 hours)	Each	19417.00
M-2718	5 Pcs Recharger unit for wireless system. (Backup above 8 hours)	Each	192000.00
M-2719	10 Pcs Recharger unit for wireless system.(Backup upto 8 hours)	Each	115083.00
<b>3</b>	<b>AMPLIFIER , VOICE ALARM CONTROLLER SYSTEM:</b>		
M-2720	60 W Mixing Amplifier with 70/100 volt line out & Phantom	Each	53778.00
M-2721	160W Mixing Amplifier with 70/100V , Class D & Phantom 24V.	Each	97600.00
M-2722	4x 250 W Power Amplifier @ 4/8Ω 70/100V,Class D.	Each	189200.00
M-2723	1250+1250 W @ 4 Ohms Class D power Amplifier with SMPS.	Each	157400.00
M-2724	3000+3000 W @ 4 Ohms Class H power Amplifier with SMPS.	Each	463500.00
M-2725	8 Zone Voice Management Controller	Each	193215.00
M-2726	6/8 digital Zone selector with announcement microphone.	Each	69854.00
<b>4</b>	<b>WALL MOUNT SPEAKER</b>		
M-2727	30W RMS weatherproof Hi-Fi Horn Full range Loudspeaker.	Each	19100.00
M-2728	20W RMS Bi-Directional Sound Projector.	Each	26436.00
M-2729	40W RMS 6x2" with HF Aluminium high directivity column Loudspeaker	Each	33351.00
M-2730	12" 1200W @128dB Active 2 Way Speaker , Class D, DSP.	Each	215730.00
M-2731	U Wall mount bracket for speaker from 5-12 Inch,	Each	11532.00
<b>5</b>	<b>LINE ARRAY SPEAKER SYSTEM, SUBWOOFER &amp; DSP</b>		
M-2732	12 x 3.5" 720 W @130dB Neodymium Alluminium Column Array Speaker	Each	275060.00
M-2733	6 x 3.5" 720 W @124 dB Neodymium Alluminium Column Array Speaker	Each	168980.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2734	Dual 8" 1200 W @132 dB Neodymium Active Line array Speaker, Class D Amplifier, Pronet AX software.	Each	411563.00
M-2735	12 Inch 1350 W RMS @134 dB Two way Line array Speaker	Each	331500.00
M-2736	Dual 6.5" 950 W Passive Line Array speaker, 2 x 1.4 Inches(2.5VC) HF drivers & SPL 129 dB.	Each	292435.00
M-2737	Flybar for Column line array speaker.	Each	32654.00
M-2738	C coupling Alluminium Horizontal fly bar for Top & sub-woofer.	Each	162360.00
M-2739	Array flying bar with adjustable single pickup point	Each	97400.00
M-2740	Dual 15", 900W+900W@ 139dB Passive Flyable Sub-woofer, 8+8 ohms	Each	460840.00
M-2741	18 Inch 2000W@ 132dB Active Subwoofer Class D , DSP, Pronet AX software, RJ45.	Each	423438.00
M-2742	18 Inch 1200 W, Passive Subwoofer,36 Hz - 100 Hz ,132 dB SPL.	Each	206500.00
M-2743	15 Inch 1000W + 1000 W @131 dB SPL, Coaxial, Active Stage Monitor Speaker, DSP, ClassD SMPS.	Each	468860.00
M-2744	12 Inch 1200 W @ 129 dB SPL, Coaxial, Active Stage Monitor, DSP, ClassD Amplifier, SMPS.	Each	365654.00
M-2745	2 IN / 6 OUT DSP Controller, 24bit/96KHz, USB and RS232 Digital signal processor.	Each	138198.00
M-2746	8x8 MATRIX Digital Signal Processor, DSP & AEC.	Each	272380.00
<b>6</b>	<b>AUDIO MIXER</b>		
M-2747	12 CHANNEL ANALOG MIXER WITH USB & Phantom	Each	29980.00
M-2748	16 CHANNEL ANALOG MIXER WITH USB & Phantom	Each	39543.00
M-2749	9 CHANNEL ANALOG MIXER Phantom suitable for 1UR	Each	53100.00
<b>7</b>	<b>WIRED &amp; WIRELESS MICROPHONE SYSTEM</b>		
M-2750	DYNAMIC CARDIOD WIRED PROFESSIONAL SPEECH MICROPHONE	Each	4710.00

Unique Code	Description	Per	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
M-2751	DYNAMIC SUPER CARDIOD WIRED MICROPHONE	Each	17525.00
M-2752	SUPER CARDIOD NEODYMIUM DUAL COIL WIRED MICROPHONE	Each	19141.00
M-2753	24 INCH CONDENSER GOOSENECK MICROPHONE WITH TOUCH ON/OFF BASE UNIT	Each	34050.00
M-2754	18 INCH GOOSENECK MICROPHONE WITH BASE	Each	9137.00
M-2755	DUAL CHANNEL UHF HAND WIRELESS MICROPHONE WITH RECEIVER	Each	28595.00
M-2756	DUAL CHANNEL UHF HAND & LAPEL MICROPHONE WITH RECEIVER	Each	30685.00
M-2757	UHF WIRELESS LAPEL MICROPHONE WITH 388 Ch RECEIVER	Each	58784.00
M-2758	UHF WIRELESS HANDHELD NEODYMIUM MICROPHONE WITH 388 Ch RECEIVER	Each	58784.00
<b>8</b>	<b>VIDEO PROJECTOR, 4K LED 24x7 SIGNAGE PROFESSIONAL DISPLAY</b>		
M-2759	4000 LUMENS, LASER, WXGA, Contrast ratio:1200X800, PROJECTOR	Each	62500.00
M-2760	5200 / 5000 LUMENS, LASER, WUXGA, Contrast ratio:1920X1200, 4K PROJECTOR	Each	156200.00
M-2761	7000/ 6400 LUMENS, LASER, WUXGA, Contrast ratio:1920X1200, 4K PROJECTOR	Each	253900.00
M-2762	43 INCH 24x7 SIGNAGE DISPLAY	Each	39900.00
M-2763	55 INCH 24x7 SIGNAGE DISPLAY	Each	68900.00
M-2764	65 INCH 24x7 SIGNAGE DISPLAY	Each	109850.00
M-2765	75 INCH 24x7 SIGNAGE DISPLAY	Each	173250.00
M-2766	86 INCH 24x7 SIGNAGE DISPLAY	Each	279500.00
M-2767	98 INCH 24x7 SIGNAGE DISPLAY	Each	720500.00
<b>9</b>	<b>INTERACTIVE TOUCH PROFESIONAL DISPLAY, ACTIVE LED VIDEO WALL AND VIDEO CONFERENCING SYSTEM.</b>		
M-2768	65", 4K, Andriod-13, INTERACTIVE TOUCH Professional Display with USB-C, HDMI-In & Out.	Each	123450.00
M-2769	75", 4K, Andriod-13, INTERACTIVE TOUCH Professional Display with USB-C, HDMI-In & Out.	Each	149500.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2770	86", 4K, Andriod-13, INTERACTIVE TOUCH Professional Display with USB-C, HDMI-In & Out.	Each	245834.00
M-2771	98", 4K, Andriod-13, INTERACTIVE TOUCH Professional Display with USB-C, HDMI-In & Out.	Each	545000.00
M-2772	Professional 4K, All-In-One VC Camera bar, extension TABLE MIC, AI face tracking and auto zooming	Each	87900.00
M-2773	4K, 10x Optical, Professional PTZ VC Camera:- Built-In Microphone Array and Speaker Tracking.	Each	117937.00
M-2774	4K, 12x Optical,5x Digital, Total 60x Zoom, Professional PTZ VC Camera:-Built-In Microphone Array, Speaker Tracking.	Each	196850.00
M-2775	Full HD, 20x Optical, Professional PTZ VC Camera.	Each	148650.00
M-2776	Professional Conference Speakerphone, 8-Beam Array Technology Mic, Bluetooth & Built-In battery.	Each	38150.00
M-2777	Indoor active LED Video wall Pixel Pitch of 1.8mm, MS Cabinets, Receiving Cards and Control Processor.	Sq.Ft	16250.00
M-2778	Indoor active LED Video wall Pixel Pitch of 2.5mm, MS Cabinets, Receiving Cards and Control Processor.	Sq.Ft	12450.00
M-2779	Outdoor Active LED Video wall Pixel Pitch of 3mm, MS Cabinets, Receiving Cards and Control Processor.	Sq.Ft	15450.00
M-2780	Outdoor Active LED Video wall with Pixel Pitch of 4mm, MS Cabinets, Receiving Cards and Control Processor.	Sq.Ft	10850.00
<b>10</b>	<b>HYBRID IP EPABX SYSTEM &amp; Telephone</b>		
M-2781	3 Trunk + 16 Analog Extensions. Expandable Up to 96 Analog Extension & 112 IP Port	Each	40346.00
M-2782	6 Trunk + 10 SIP Trunk + 64 Analog Extensions Expandable Up to 96 analog Extension + 112 IP Port .	Each	154319.00
M-2783	8 Trunk line + 20 SIP Trunk + 8 Digital Extension + 96 Analog Extension Expandable Up to 896 analog Extension + 400 IP Port .	Each	367605.00
M-2784	8 Trunk line + 30 SIP Trunk + 8 Digital Extension + 256 analog Extension Expandable Up to 896 Analog Extension + 400 IP Port .	Each	719421.00
M-2785	Add on Chassis for Main System which has 4-Slots with Power Supply unit	Each	7611.00
M-2786	Basic Link Card for main system - To connect main system with expansion system.	Each	8992.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2787	Basic Link Card for Expanasion system - To connect Expansion system with Main system.	Each	5720.00
M-2788	Add on Chassis for Main System which has 6-Slots with Power Supply unit and Mounting Kit	Each	29305.00
M-2789	24 Key Digital phone - Operator phone	Each	12428.00
M-2790	8-Port Analog Extension Card with port License	Each	14560.00
M-2791	Basic Telephone without Caller ID	Each	633.00
M-2792	Caller ID Telephone with Speaker	Each	1144.00
M-2793	FXO - 4 Port for IP Trunk Line	Each	11020.00
M-2794	FXS - 16 Port for IP Extension	Each	36579.00
M-2795	Basic IP Phone	Each	3835.00
<b>11</b>	<b>Network Switch, Network Accessories, Cables</b>		
M-2796	16 Port Gigabit Unmanaged Network Switch with 2 SFP (Including Module & Pigtail)	Each	8008.00
M-2797	Fiber Patch Panel 12 Port	Each	4300.00
M-2798	LC/LC Single Mode / Multi mode Patch Cord 2mtr	Each	1700.00
M-2799	Pigtails Single Mode / multi mode Cord LC type for Fiber Patch Panel	Each	284.00
M-2800	CAT 6A UTP Unarmoured Cable	Mtr	48.00
M-2801	CAT 6A UTP Armoured Cable	Mtr	118.00
M-2802	CAT 6A UTP 1 mtr Patch Cord	Each	194.00
M-2803	CAT 6A UTP 2 mtr Patch Cord	Each	239.00
M-2804	CAT 6A Modular 24 Port Patch Panel fully loaded	Each	9250.00
M-2805	Fiber Single Mode Cables 12 Core Armoured	Mtr	96.00
<b>12</b>	<b>IP CCTV CAMERA WITH POE, WDR, Built In MIC</b>		
M-2806	4MP IP Bullet / Dome Camera.	Each	7475.00
M-2807	5MP IP Bullet / Dome Camera with SD card Support.	Each	11876.00

<b>Unique Code</b>	<b>Description</b>	<b>Per</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2808	2MP PTZ IP Camera 360 Degree, 150m IR, IP66, Built in Heater	Each	46046.00
M-2809	2 MP PTZ Camera 360 Degree, 50m IR, MicroSD Slot, USB, IP67 without Built-in Mic; without Heater	Each	16965.00
M-2810	5MP Varifocal Motorized Dome IP Camera ,30m IR, Micro SD Slot, IP66	Each	16750.00
M-2811	5MP PTZ IP Camera 360 Degree, 200m IR, IP66, Audio In / Out, Alerts, Auto Tracking	Each	115700.00
M-2812	20-Ch IP NVR Input, resolution up to 4K, 2SATA (up to 10TB), 1 HDMI&VGA, 2USB, Alarm I/O.	Each	19390.00
M-2813	40-Ch IP NVR, resolution up to 12MP, 1 HDMI & 1VGA, alarm I/O ,1xUSB 3.0, 1xUSB 2.0, 2 Ethernet Port, 2SATA (Up to 10TB)	Each	25025.00
M-2814	40-Ch IP NVR Input, resolution up to 12MP, Dual RJ45 port, 4SATA (up to 10TB), 1 HDMI&VGA, 2USB, RAID	Each	53320.00
M-2815	80-Ch IP NVR Input, resolution up to 12MP, Dual RJ45 port, 8 SATA(up to 10TB), 2 HDMI&VGA, 2USB, Alarm I/O	Each	62000.00
<b>NOTE:</b>	The Basic Rate adopted under this Head, "Annexure-VII – Rates of Electrical Items of Works" is exclusive of all taxes and GST.		

**ANNEXURE-VIII****RATES OF HIRE CHARGES FOR PLANTS & MACHINERIES**

<b>Unique Code</b>	<b>Description of Machineries</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
H-0097	Pumping charges of concrete including hire charges of pump, piping work and accessories etc.	cum.	244.00
H-0098	Carriage of concrete by Transit Mixer	Km. / cum.	34.60
H-0099	Cutting Saw Machine	Day	1572.00
H-0100	Concrete Joint Cutting Machine	Day	1048.00
H-0101	Air Compressor 250 cfm. with two leads for Pneumatic Cutters / Hammers	Day	1864.00
H-0102	Excavation of diaphragm wall by Mechanical Grab	Day	1515.00
H-0103	Hire and running charges of Bentonite Pump	Day	4078.00
H-0104	Hire and running charges of Crane 20 Tonne capacity	Day	8155.00
H-0105	Hire and running charges of Crane 40 Tonne capacity	Day	9320.00
H-0106	Hire and running charges of Crane 80 Tonne capacity	Day	17480.00
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-VIII - Rates of Hire Charges for Plants & Machineries" is exclusive of all taxes and GST.		
2	The above hire charges includes cost of services of operating staff, cost of lubricating oil, diesel / petrol / Kerosene and other consumables for running the plant and machinery.		
3	The hire charges of plant machinery on per day basis are for single shift of EIGHT working hours.		

**ANNEXURE-IX**

**RATES OF PREFABRICATED CONCRETE STRUCTURES**

Unique Code	Description of Works	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
1	Fabrication and Manufacturing of Solid Precast Concrete Element in the following grades of concrete with provisions of shear keys, connecting loops, dowel tubes and proper lifting accessories for walls, beams, slabs, stairs, column etc, of various thickness, shape and size of different concrete grades manufactured in Controlled Factory Environment with approved methodology including moulds (Pallet system, tilts form, table moulds, battery moulds, vertical moulds, beam moulds, column moulds, staircase moulds, facade mould, etc.), mixing, transporting and placing of concrete, vibrating, curing, finishing, making necessary cutout/holes of required sizes for services, yard handling & stacking all complete as per IS 11447:1985 and as per approved shop drawings and design mix as per the direction of Engineer-in-Charge (Cost of reinforcement, mechanical, electrical and plumbing inserts will be paid separately). Note: Excess / less cement over the specified cement content used as per design mix is payable / recoverable separately).		
W-0377	Concrete Grade M-35 (Cement Content 425 kg)	cum.	18332.55
W-0272	Concrete Grade M-40 (Cement Content 440 kg)	cum.	18660.00
W-0378	Concrete Grade M-50 (Cement Content 460 kg)	cum.	18795.75
2	Fabrication and Manufacturing of Pre-stressed Hollow Core Slab in M-50 Grade Concrete (cement content 460 kgs.) (Hollow area 25 to 30%) of different thickness & modular width 1200mm in Controlled Factory Environment with approved methodology confirming to IS 10297:1982 by using long line casting method having arrangement of proper steel bed. Concreting should be done by batch mixing plant capable of producing zero slump concrete, transported through automatic shuttels of standard make and layed on bed with the help of extruder / slipformer, finishing, curing and also provision of steam curing. Cutting, making necessary cutout / holes of required sizes for services in slab element after achieving required strength, yard handling and stacking all complete as per approved shop drawings and design mix as per the direction of the Engineer-in-charge. (Cost of strands should be paid separately). Note: Excess / less cement over the specified cement content used as per design mix is payable / recoverable separately).		
W-0273	100mm thick Hollow Core Slab	RM	1163.00

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0274	150mm thick Hollow Core Slab	RM	1644.00
W-0275	200mm thick Hollow Core Slab	RM	1998.00
W-0276	250mm thick Hollow Core Slab	RM	2447.00
W-0277	300mm thick Hollow Core Slab	RM	2897.00
W-0278	350mm thick Hollow Core Slab	RM	3346.00
W-0279	400mm thick Hollow Core Slab	RM	3795.00
W-0280	Providing and Laying in position Pre-stressing Steel Strands (Low Relaxation) on hollow core bed by using mechanical pulling arrangement like Rabbit / Bed Master including all accessories for stressing and destressing operations as per approved make conforming to IS1343 and grade FY-1860 etc, complete as per drawings and direction of Engineer-in-Charge	Kg.	159.60
3	Transportation of Precast Elements by Flat Bed Tractor (Double / Triple Axle 40 feet length with proper accessories like 'A' Frame etc.) from factory, including the cost of loading, unloading and stacking at site with the help of required capacity Cranes.		
W-0281	Upto 15 Kilometre	MT	374.55
W-0282	For every additional 5 Kilometre or part thereof	MT	82.45
4	Erection and Installation of Precast / Pre-stressed Concrete Elements in correct and final position with proper line level and plumb at site making all arrangements (i.e. Cranes, Push-Pull Jacks and all other Tools & Plants for lifting, placing and alignment of elements, within erection tolerance as per IS:15916 as per approved shop drawings and all complete as per the direction of Engineer-in-Charge but excluding the cost of sim pads, non-shrink grout and steel works (i.e.) hangers.		
<b>I</b>	<b>Upto 20.00 metre height</b>		
W-0283	Pre-Stressed Hollow Core Slab upto 200mm thickness	sqm.	148.47
W-0284	Pre-Stressed Hollow Core Slab above 200mm upto 400mm thickness	sqm.	251.95
W-0285	Solid Concrete Wall Elements	cum.	1896.00
<b>II</b>	<b>20.00 metre to 30.00 metre height</b>		
W-0286	Pre-Stressed Hollow Core Slab upto 200mm thickness	sqm.	202.87
W-0287	Pre-Stressed Hollow Core Slab above 200mm upto 400mm thickness	sqm.	314.18
W-0288	Solid Concrete Wall Elements	cum.	2350.00

<b>Unique Code</b>	<b>Description of Works</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>III</b>	<b>30.00 metre to 40.00 metre height</b>		
W-0289	Pre-Stressed Hollow Core Slab upto 200mm thickness	sqm.	253.01
W-0290	Pre-Stressed Hollow Core Slab above 200mm upto 400mm thickness	sqm.	314.61
W-0291	Solid Concrete Wall Elements	cum.	2768.00
W-0292	Providing and Applying weather proof sealant on outer joints of approved make confirming to IS and directed by Engineer-in-Charge.	RM	125.80
5	Providing & Laying of levelling shim pads required sizes (5 x 5cm to 10 x 10cm) of PVC / Rubber to adjust level of bearing surface of supporting members as per the direction of Engineer-in-Charge.		
W-0293	2mm thick	Each	21.03
W-0294	5mm thick	Each	26.03
W-0295	10mm thick	Each	37.03
W-0296	Providing & Grouting of Dowel Tubes / Shear keys / Joints of Precast Members with M-60 Grade cementitious grout (Non-Shrink) of approved make by suitable means (Free flowing / pump), curing etc., complete as per directions of Engineer-in-Charge. (The payment shall be made on the basis of actual weight of approved grout injected.)	Kg.	61.19
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-IX - Rates of Prefabricated Concrete Structures" is exclusive of all taxes and GST.		

**HIGHWAYS  
DEPARTMENT  
(HD)**

### Structure for Unique Item Codes

<b>Item Code</b>	<b>Item Type</b>
HW	Highways Department
L	Labour
M	Materials
W	Works
E	Equipments
C	Head load and Conveyance
H	Hire Charges

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "HW-A1234" mentioned in the 'Unique Code' column in each sheet

**HIGHWAYS DEPARTMENT**

**ANNEXURE-I**

**RATES OF LABOUR**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>I</b>	<b>SKILLED CATEGORY</b>		
L-0099	Bitumen Heat Master Operator	Day	936.00
L-0100	Bitumen Raker Man	Day	936.00
L-0101	Mini Hot Mix Plant Operator	Day	936.00
L-0102	Bitumen Sprayer Man	Day	898.00
L-0103	Guniting Gun Operator	Day	852.00
<b>II</b>	<b>SEMI SKILLED CATEGORY</b>		
L-0104	Head Mazdoor	Day	833.00
L-0105	Guniting Plant Operator	Day	817.00
L-0106	Mazdoor-I	Day	809.00
<b>III</b>	<b>UN-SKILLED CATEGORY</b>		
L-0107	Mazdoor-II	Day	656.00

**NOTE:**

- 1 The Basic Rate adopted under this Head, "Annexure-I – Rates of Labour" is exclusive of all taxes and GST.
- 2a The 9 Nos. of Rates of Labour pertaining to Highways Department has been included in this Head, based on the instructions issued by the Government vide letter No.5847 / G2 / 2022-1, PWD, dated 13.07.2022.
- 2b For night works including bridge works in all Corporation and Municipal Areas, an extra 25% over the Rates of Labour charges only may be allowed.
- 2c The extra 25% for labour rates is applicable to only items of works which are necessarily to be carried out during night with appropriate clause incorporated in the tender document. The increase is applicable on the basic rates only (excluding extra percentage provided for specified areas).

**ANNEXURE II**  
**RATES OF MATERIALS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>Hard Broken Granite Stone Jelly (IRC) Machine crushed / Hand broken</b>		
M-0093	HBGS Jelly 90mm size	cum.	473.20
M-0094	HBGS Jelly 75mm size	cum.	528.50
M-0095	HBGS Jelly 63mm size	cum.	683.80
M-0096	HBGS Jelly 53mm size	cum.	833.90
M-0097	HBGS Jelly 46.50mm size	cum.	1121.50
M-0098	HBGS Jelly 45mm size	cum.	1121.50
M-0099	HBGS Jelly 37.50mm size	cum.	1144.00
M-0100	HBGS Jelly 26.50mm size	cum.	1135.00
M-0101	HBGS Jelly 25mm size	cum.	1135.00
M-0102	HBGS Jelly 22.40mm size	cum.	1680.50
M-0103	HBGS Jelly 13.20mm size	cum.	1672.00
M-0104	HBGS Jelly 11.20mm size	cum.	1134.00
M-0105	HBGS Jelly 6.7mm / 6mm / 5.6mm size	cum.	890.63
M-0106	HBGS Jelly 4.75mm size & below	cum.	768.90
M-0123	Stone Dust	cum.	145.95
HW-M0001	Precast (RUBBER) speed bumps provided in Local and Collector Streets as per CI 3.1.2 of IRC 99-2018	RM	2400.00
HW-M0002	Rubber Speed breaker of size 75mm thick with reflectors including cost, conveyance and all other incidental charges etc., complete as per standard specification	RM	4000.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
HW-M0003	Granite Kerb of 0.38m height and 0.100 m thick	RM	990.00
HW-M0004	Granite Slab (Machine Cut having min 50mm thick)	Sqm	2660.00
HW-M0005	Traffic Cone of 100cm/ 75cm/50cm having broader and heavy base with red/orange/yellow coloured white bands of UV stabilised material shall be provided as per CI 5.4.2 IRC SP - 43 - 2022 with height and weight of minimum 6kg, with two bands of reflector.	Each	1500.00
<b>Note:</b>			
1	The Basic Rate adopted under this Head, "Annexure-II – Rates of Materials" is exclusive of all taxes and GST.		
2	For all the materials viz. Bricks and Tile Products, Stone Jelly including ISS and IRC, Gravel, Sand, Lime Stone, etc., necessary incidental charges, loading charges and unloading charges have been included in the basic cost of materials listed above. Hence, no separate incidental charges, loading charges and unloading charges shall be allowed for the above materials.		
3	The Hard Broken Granite Stone Jelly (IRC) Hand Broken / Machine Crushed pertaining to Highways Department has been included in this Head, based on the instructions issued by the Government vide letter No.5847 / G2 / 2022-1, PWD, dated 13.07.2022.		

**ANNEXURE III**  
**RATES OF WORKS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0220	Supplying and installation of STRIP SEAL EXPANSION JOINT system conforming to specifications for road and bridge works in the 40mm wide expansion gap provided in between decks over piers and in between deck and dirt wall over abutment with fatigue tested structural steel section at the nosing and anchorage assembly, including labour, equipment and incidental charges for fixing the joints complete in all respects, as per section 2600 of MORT & H specification (V Revision)	RM	13981.00
W-0221	Supplying and fixing 300mm wide PVC EXPANSION JOINT in the 20mm expansion gap provided in between decks over piers and in between deck and dirt wall over abutment as shown in the drawing including cost and conveyance of expansion joints including shalimar pad and joint sealant etc., complete	RM	653.40
W-0222	Supplying and fixing GI DRAINAGE SPOUTS 100mm dia as per GOI drawing SD/205 with grating arrangements at top as shown in the drawing and 100mm dia drainage spout projecting atleast 300mm beyond the bottom of deck slab as shown in the drawing, including cost and conveyance of Galvanised iron pipes and flats and fixing them in position, etc., complete as per cl 2705 of MORT&H specification. (V Revision)	Each	2498.10
W-0223	Supplying and fixing KRAFT PAPER for full width of seating of deck slab and including cost and conveyance to worksite, labour for fixing the same in correct position and all other incidental charges etc., complete.	sqm.	110.00
W-0224	Supplying and Fixing of ELASTOMERIC BEARING as shown in the drawing including cost and conveyance to work site, labour for fixing the bearing in position and all other incidental charges etc., complete as per section 2000 of MORT & H specification. (V Revision)	cu.cm.	1.77

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
6	Supply of NP3 Class RCC Pipe conforming to IS 458/2003 including cost of pipe as a finished work including all other incidental charges, testing charges including loading, unloading, transport and delivery in good condition at work site etc., complete, as directed by the Departmental Officers, as per standard specifications.		
W-0225	1200mm dia	RM	6254.60
W-0226	1000mm dia	RM	4276.80
W-0227	900mm dia	RM	3821.40
7	Hoisting and fixing of NP3 Class RCC Pipe and Collars in proper gradient including all labour charges and all other incidental charges etc., complete, as directed by the Departmental Officers, as per standard specifications.		
W-0228	1200mm dia	RM	281.60
W-0229	1000mm dia	RM	266.20
W-0230	900mm dia	RM	231.00
HW-W0001	Supply and installation of Self Drilling Anchors (32mm dia., yield load > 230kN) with attached sacrificial drill bit, nut, washer plate 200 x 200 x 10 mm size, coupler for connecting bars, with suitable corrosion protection coating for bar and accessories and full length grouting with admixture including all ancillary works for soil nailing/bottom/surface anchoring including all ancillary material, machinery, Labour etc., as per detailed technical specifications and as per Engineer - In - Charge ( for Soil Nailing)	RM	5125.10
HW-W0002	Supply and application of Biotic Soil Media (BSM) - a combination of recycled Thermally Refined bark and wood fibers with a proprietary blend of biopolymers, biochar, seaweed extract, humic acid, endomycorrhizae and other beneficial constituents along with desired Agronomical Formulations and seed combinations. All components of the Biotic Soil Media blend shall be of naturally derived and renewable, and engineered to optimize moisture retention, growth and establishment of vegetation. BSM is applied hydraulically over soil substrate to add organic matter so as to enrich soil nutrients prior to application of HP - FGM.( for Soil Nailing)	Square Metre	307.19

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0003	Supply and application of High Performance-Flexible Growth Medium (HP-FGM) which is 100% biodegradable, composed of 100% recycled, thermally refined (within a pressurized vessel) virgin wood fibers, crimped interlocking biodegradable fibers, mineral activators, and wetting agents (including high-viscosity colloidal polysaccharides, crosslinked biopolymers and water absorbents) along with STANDARD prescriptive agronomic formulations such as fertilizer, extended-term dyes, soil pH modifiers, bio stimulant materials and seeds which is hydraulically-applied for Erosion control and faster growth of Vegetation ( for Soil Nailing)	Square Metre	348.66
HW-W0004	Supply and installation of three dimensional erosion control cum Turf reinforcing mat made of polypropylene polymer of minimum mass per unit area 450 gm / sq.m extruded on to a mechanically woven double twisted hexagonal shaped steel wire mesh (as per EN 10223-3) made up of 2.7mm dia having a combined mass per unit area of the composite more than 2000 gm/sqm. Steel wire and mesh type 8 x 10 having Zn-Al 5% coating as per EN 10244-2 longitudinally weaved with steel cable of 8 mm diameter at a spacing of 1.0 m, including fixing of U pins of 8mm nominal diameter of typical depth 500mm at 1m c/c spacing for close contact of geomat with slope surface, including support ropes, lacing required to connect the adjacent geomat and all accessories, including safety, all other ancillary works, material, machinery, labour, etc., complete at easily accessible location including top and bottom, with all leads and lifts and as directed by Engineer - In - Charge. ( for Soil Nailing)	Square Metre	1631.41
HW-W0005	Supply of Water for application of HECs (HP - FGM & BSM) min of 25 ltrs per sqm per layer applications ( for Soil Nailing)	Square Metre	41.77
HW-W0006	Providing subsurface drain hole (horizontal / inclined) in the slope with perforated PVC pipe (lined with Non Woven Geotextile) of 100 mm internal diameter by drilling and inserting the perforated PVC pipe as per the drawings etc., complete.( for Soil Nailing)	RM	1749.55

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0007	Maintaining the applied surface for min of 2 months period including supply of water, adequate irrigation and maintaining the HECP applied surfaces in wet conditions including Labour and other expenses.( for Soil Nailing)	Month	86.68
HW-W0008	Clearing and removing silt deposit abutting the Centre Median on both sides for an average width of 0.75m on either sides including collection and removing of silt deposit, loading including conveying away including conveyance charges, traffic diversion etc., complete	RM	36.50
HW-W0009	Removing and refixing the existing Center median of size 0.610 m at bottom 0.250 m at middle 0.150 at top and to a height of 0.860 m and length of 1.00m including labour charges, Machinery charges and all other Incidental charges etc., complete.	RM	248.86
HW-W0010	Crack Filling (Filling of crack using slow-curing bitumen emulsion and applying crusher dust in case crack are wider than 3mm.) including labour and all other incidental charges etc., complete	RM	13.50
HW-W0011	Repair of spalled joint grooves of contraction joints, longitudinal joints and expansion joints in concrete pavements using epoxy mortar or epoxy concrete)	RM	274.00
HW-W0012	Repair of old Joints Sealant (Removal of existing sealant and re-sealing of contraction, longitudinal or expansion joints in concrete pavement with fresh sealant material)	RM	33.30
HW-W0013	Land Slide Clearance in soil (Clearance of land slides in soil and ordinary rock by all machines and labours required and disposal of the same on the valley side)	Cum.	68.20
HW-W0014	Land slide Clearance in Hard Rock Requiring Blasting (Clearing of land slide in hard rock requiring blasting for 50% of the boulders and disposal of the same on the valley side.)	Cum.	138.50

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0015	Manufacturing, supply & fixing of precast kerb stone of size 400mmx259mmx200mm thick made of M 20 grade of concrete rectangular in shape with one corner chamfered by 100 mm x 100 mm as per approved design i/c cost of all material, labour and curing etc., complete. as per IRC 5758 - 1984.	Each	154.00
HW-W0016	Conducting boring with power boring machine to 100mm 4" dia in all classes of soil excluding hard strata like kankar, soft disintegrated rock, laterite and soft rock including required all laboratory tests as directed by the departmental officers and collection of soil samples and properly packing the same in polythene covers, Including transportation charges of boring machine with all accessories to work site with loading and unloading charges, erection and placed in position including hire and labour charges for compressor and fuel charges for operation including cost of Bentonite powder, including watering charges, etc., complete, as directed by departmental officers in charge of the work and including all laboratory testing charges applicable. (for Sub Soil Exploration)	RM	3844.59
HW-W0017	Conducting boring with power boring machine to 100mm (4") dia Soft rock including required all laboratory tests as directed by the departmental officers and Including transportation charges of boring machine with all accessories to work site with loading and unloading charges, erection and placed in position including hire and labour charges for compressor and fuel charges for operation including cost of core cutter unit, cost of Bentonite powder, including watering charges, etc., complete, as directed by departmental officers in charge of the work and including all laboratory testing charges applicable. (for Sub Soil Exploration)	RM	4216.80
HW-W0018	Conducting boring with power boring machine to 100mm (4") dia Disintegrated rock / Kankar rock including for conducting required all laboratory tests as directed by the departmental officers and Including transportation charges of boring machine with all accessories to work site with loading and unloading charges, erection and placed in position including hire and labour charges for compressor and fuel charges for operation including cost of core cutter unit, cost of Bentonite powder, including watering charges, etc., complete, as directed by departmental officers in charge of the work and including all laboratory testing charges applicable. ( for Sub Soil Exploration)	RM	4567.99

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0019	Conducting boring with power boring machine to 100mm (4") dia Hard rock including for standard penetration test including required all laboratory tests as directed by the departmental officers and Including transportation charges of boring machine with all accessories to work site with loading and unloading charges, erection and placed in position including hire and labour charges for compressor and fuel charges for operation including cost of core cutter unit, cost of Bentonite powder, including watering charges, etc., complete, as directed by departmental officers in charge of the work and including all laboratory testing charges applicable.( for Sub Soil Exploration)	RM	5101.15
HW-W0020	Providing sand bags in the eroded berms including cost and conveyance of sand, supply of empty bags, loading and unloading, filling in bags with sand, shifting them and placing at eroded berms as directed by department officers etc., complete.	One bag	50.00
HW-W0021	Providing casuarina wallings with casurina posts of 10-13 cm dia spaced at 1.10m intervals and cross dia of 5-10 cm at 0.50 m intervals	Sqm	71.30
HW-W0022	Providing and fixing of M.S.grating 300x200 mm size with M.S.Flats of 25x10mm of outer frames, 20x10 mm of inner braces with mild steel grating and fixing them in position	Each	569.00
HW-W0023	Guniting concrete surface with cement mortar applied with compressor after cleaning surface and spraying with epoxy complete as per section 2807 of MORTH Specifications (Revision-V)	Sqm	1492.00
HW-W0024	Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical Specifications including subsequent cutting/ removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/ Epoxy as per section 2800 of MORTH Specifications (Revision-V)	Each	184.80

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0025	Patching of damaged concrete surface with polymer concrete and curing compounds, initiator and promoter, available in present formulations, to be applied as per instructions of manufacturer and as approved by the Engineer as per section 2800 of MORTH Specifications (Revision-V)	Sqm	2694.00
HW-W0026	Sealing of crack / porous concrete with Epoxy Grout by injection through nipples complete as per clause 2803.1 of section 2800 of MORTH Specifications (Revision-V)	Kg	1815.00
HW-W0027	Applying epoxy mortar over leached, honey combed and spalled concrete surface and exposed steel reinforcement complete as per section 2804 of MORTH Specifications (Revision-V)	Kg	893.00
HW-W0028	Applying pre-packed cement based polymer mortar of strength 45 Mpa at 28 days for replacement of spalled concrete as per section 2800 of MORTH Specifications (Revision-V)	Kg	223.00
HW-W0029	Epoxy bonding of new concrete to old concrete as per section 2805 of MORTH Specifications (Revision-V)	Kg	1356.00
	Providing external prestressing with high tensile steel wires/strands including drilling for passage of prestressing steel, all accessories for stressing and stressing operation and grouting complete as per drawing and Technical Specification as per section 2812 of MORTH Specifications (Revision-V)		
HW-W0030	For span = 25 m (4 no. of cables and 8 no anchorage)	tonne	343400.00
HW-W0031	For span = 50 m (4 no.of cables and 8 no anchorage)	tonne	325168.00
HW-W0032	For span = 100 m (6 no of cables and 12 no anchorage)	tonne	295088.00
HW-W0033	Replacement of Bearings complete as per Technical Specification Unit = Number Taking output = 3 No. Lifting of superstructure span by jacking up from below i.e. by placing the jacks on pier/abutment caps for span length of 30m as per section 2810 of MORTH Specifications (Revision-V)	each	51365.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
HW-W0034	Removal and Replacement of Expansion Joints complete as per drawings	RM	3799.00
HW-W0035	Removal and Replacement of Damaged Concrete Railing. Unit = RM	RM	2331.00
HW-W0036	Removal and Replacement of Damaged Mild Steel Railing	RM	3534.00
HW-W0037	Repair of concrete crash barrier with cement concrete of M-30 grade by cutting and trimming the damaged portion to a regular shape, cleaning the area to be repaired thoroughly, applying cement concrete after erection of proper form work.	RM	218.00
HW-W0038	Carrying out repair of RCC M30 railing to bring it to the original shape.	RM	133.00
HW-W0039	Repair of steel railing to bring it to the original shape It is assumed that the damage to the steel railing is to the extent of 10 Percent.	RM	285.00
HW-W0040	Soil Stabilization using 4 % of Cement	Cum.	670.00
HW-W0041	Providing and applying curing compound for the exposed, surface area of "I" type median kerb wall including compound (CAC admixtures) hire and fuel charges for sprayer and labour charges including cutting kerbs at 30m C/C etc., complete	RM	5.90
HW-W0042	Providing and construction of a gabion structure for retaining earth with segments of wire crates of size 7 m x 3 m x 0.6 m each divided into 1.5 m compartments by cross netting, made from 4 mm galvanised steel wire @ 32 kg per 10 sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 x 100 mm, filled with boulders with least dimension of 200 mm, all loose ends to be tied with 4 mm galvanised steel wire as per section 2503.3 of MORTH Specifications (Revision-V)	Sqm	2625.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0043	Providing and constructing gabion structures for erosion control, river training works and protection works with wire crates of size 2 m x 1 m x 0.3 m each divided into 1m compartments by cross netting, made from 4 mm galvanised steel wire @ 32 kg per 10 sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 mm x 100 mm, filled with boulders with least dimension of 200 mm, all loose ends to be securely tied with 4 mm galvanised steel wire as per section 2503.3 of MORTH Specifications (Revision-V)	Sqm	3534.00
HW-W0044	Supplying and fixing of Sliding Plate Bearing	Per Tonne Capacity	613.33
HW-W0045	Supplying, fitting and fixing in position true to line and level POT-PTFE bearing consisting of a metal piston supported by a disc or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel/fabricated structural steel, metal and elastomer elements to be as per IRC: 83 part-I & II respectively and other parts conforming to BS: 5400, section 9.1 & 9.2 and clause 2006 of MoRTH Specifications complete as per drawing and approved Technical Specifications. Unit= one tonne capacity Considering a Pot bearing assembly of 250 tonne capacity for this analysis as per section 2000 & 2200 of MORTH Specifications (Revision-V)	Per Tonne Capacity	330.67
	Supplying, fitting and fixing in position true to line and level POT-PTFE Bearing consisting of a metal piston supported by a disc or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, completely assembly to be of cast steel/fabricated structural steel, metal and elastomer elements to be as per IRC:83 Part I and II respectively and other parts confirming to BS:5400, section 9.1 and 9.2 and clause 2006 of MoRT&H Specifications complete,, including cost of all materials, labour, with all lead and lift, loading, unloading, transpotring, etc,complete,as per the directions of eng-in-charge of work, and in accordance with MoRT&H Technical Specification Clause 2000 & 2200		

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
HW-W0046	Free Bearing	MT	595.51
HW-W0047	Fixed Bearing	MT	719.96
HW-W0048	Longitudinal Sliding Bearing	MT	839.16
HW-W0049	Transverse Sliding Bearing	MT	839.16
HW-W0050	PIN Fixed Bearing	MT	550.00
HW-W0051	Supply and fixing of Pre-fabricated Structural Steel DECKING SHEET having minimum 345 Mpa yield Strength, colour coated Galvanised Structural Steel DECKING SHEET Zinc coating as per IS:277 of equivalent Standard. The structural decking panel shall have 955/ m <sup>2</sup> effective width (Overall Width of 931mm), nominal crest height 50 mm deeper shall have 2301mm centre to centre pitch with the thickness of 1.25 mm BMT for fixing us side of ribs for required length as per Concrete thickness at embossment (share grove) on top & side of ribs for better composite action and shall have the site (165mm Avg) with self drilled screws and EPDM wafers	Sq.m.	1690.00
HW-W0052	Supply and fixing of Pre-fabricated Structural Steel, coated galvalume ROOFING SHEET of 0.5mm thickness with SMP coating with colour bond XRW coating, having minimum of 550 Mpa yield strength, Coating 150 GSM as per ASTM 792 or equivalent standard. The structural roofing Panel shall have 1020 mm effective width, nominal 30 mm crest height at nominal 250 mm centre to centre pitch with the embossment (share grove) on top & side of ribs for better composite action including Flashing for joints, and all incidental charges.	Sq.m.	690.00
HW-W0053	Providing and applying one coat of Zinc oxide primer and two coats of Anti Corrosive paint of Colour as directed by engineer in charge complete as per technical specification in accordance with IRC 24-2010 and other relevant MoRT&H Specifications CI:1906 for structural steel	MT	4274.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0054	<p>Providing and fixing 10 mm thick solid Polycarbonate sheet using necessary MS support structure from the ground. as per given technical specifications. The sheet will be mounted on hot dip galvanized steel frame work with the help of specially designed aluminum pressure pad profile and zinc coated pinhead self-drilling screw with rubber gasket for proper gripping &amp; to prevent noise leakage:</p> <ul style="list-style-type: none"> <li>• Thickness: 10 mm, solid</li> <li>• Both side UV coated</li> <li>• Weighted Sound Reduction Index Rw=34 dB</li> <li>• Light Transmittance: 92% for clear</li> <li>• Tensile Strength: 60 N/m<sup>2</sup></li> <li>• Modulus of Elasticity: 2000 N/mm<sup>2</sup></li> <li>• Mechanical and Structural performance as per EN 1794 including galvanized steel work and rubber profile all around.</li> <li>• Stone Impact Resistance: As per EN 1794-1 Annex. C</li> <li>• Yellowing index shall be less than 10 as per ASTM D 1925 or equivalent</li> <li>• Fire Retardant Annex A Class 2, as per EN 1794-2; Flame Spread Class 1 as per BS 476 part 7</li> </ul>	Sq.m.	12500.00
HW-W0055	<p>Supply, Installation, Testing and Commissioning of 20 KWP Solar on grid photo voltaic power plant conforming to MNRE specifications as amended, consisting 38 Nos of 535 WP Mono/Poly Crystalline silicon solar cells, net metering facility, necessary protections, earthing mounted on Aluminium/ MS structure of suitable strength. Solar on grid panel shall have the size of 2.28 x 1.14 x 19 nos x 2 sides so as to enable to produce minimum of solar energy 20 KWP as specified above with all accessories etc., complete</p>	Each	1600000.00
HW-W0056	<p>Supply and erection of 10mm chequer plate with one coat of primer over a coat of enamel for stair case and landing area.</p>	Sq.m	1400.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0057	Earth work excavation for RE Wall of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, dewatering, removal of stumps and other deleterious matter, dressing of sides and bottom and back filling with approved material as per MoRT&H No: Clauses 301-305 of - Fifth Revision	Rate per metre	512.00
HW-W0058	Construction of Reinforced Earth Wall, Facia Works (left & right) including Earth work excavation for entire approach, necessary ground improvement, Casting of precast facia elements of 180 mm thick in RCC M35 grade concrete as per specifications given including positive connections , joints, fittings, soil reinforcing elements , geotextile, erection of facia and laying of soil reinforcing element, along with necessary insitu concrete works for foundation pad as well as coping and providing Half perforated drain pipes wrapped with Geotextiles and including filter media and filling materials for the entire approaches using quarry fines materials behind the wall as needed for necessary drainage arrangement with outlets including transporting from casting yard to site, design and proof checking, Supervision charges etc., complete as specified /manufacturer's requirement and as per the MoRT&H revision Specifications 3100, BS 8006 (Latest Version) and additional Specification.	Rate per metre	10066.00
HW-W0059	Supply and erection of public service HEAVY DUTY ESCALATORS outdoor type (GS8000-NX) with the Techniccal Specification as Step Width:1000mm, Rise:6500mm, Inclination Angle: 30 degree, Speed: 24m/min, Power supply: 220V/400V, 50Hz. Material Specification such as Handrails made of Polyuerthane(Blood red colour), Handrail frame of Hairline (finished stainless steel), Deck cover of Hairline(finished stainless steel), Interior panel-Balustrade of TYPE-P (Stainless steel), Skirt Guard of Hairline (finished stainless steel), Step tread of Stainless steel with synthetic Resin Demarcation (Yellow), Floor plate Comb. of Synthetic Resin (Yellow), Landing plate of Aluminium including all necessary safety devices & accessories, comb light shall be mounted on the skirp guard with 1m center to center arrangement and complete in all respects and as directed by the Engineer-in- Charge	Per 1 No	5953390.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0062	45 Cm Round Convex Mirror including cost of stand, labour charges for fixing etc., complete as per standard specification.	Each	1500.00
HW-W0063	60 Cm Round Convex Mirror including cost of stand, labour charges for fixing etc., complete as per standard specification.	Each	3700.00
HW-W0064	80 Cm Round Convex Mirror including cost of stand, labour charges for fixing etc., complete as per standard specification.	Each	6100.00
HW-W0065	100 Cm Round Convex Mirror including cost of stand, labour charges for fixing etc., complete as per standard specification.	Each	8500.00
HW-W0066	Providing and Fixing of FRP Gratings of 600 x 300 mm size with M.S Flats of size 25 x 10mm for outer frames 25 x 6mm for inner braces and PVC pipe 150mm dia fixed with mild steel gratings including cost and conveyance of pipes and gratings and fixing them in position (at 5m interval)	Sqm	500.00
HW-W0067	Providing and applying primer and two coats of 100% Acrylic breathable, Anti-Carbonation, waterproof, heat insulating, decorative exterior coating of approved shade after applying a primer coat of same material and apply two coats of mix 1 ltr with 400 - 500 ml water, it shall be applied as per manufacture specification. Acrylic paint shall be spray / brush / roller applied and shall conform to the following properties. Carbon dioxide diffusion equivalent air layer thickness (DIN EN 1062-6) > 100m; Carbon dioxide diffusion resistance coefficient (DIN EN 1062-6) > 105; Elongation of cured film shall be as per ASTM D 2370/98 > 400%; Chloride iron diffusion (ASTM C 1202) = Zero penetration; Adhesion to concrete (ASTM D 4541) > 2 N/mm <sup>2</sup> ; Solar Reflective Index (ASTM E 1980 - 11, EN 673; 2011, EN 410: 2011) > 104. The inter-coat gap to be 24 hours. The rate shall include complete treatment mentioned above and should not be less than DFT 200-225 microns for primer and two coats as per relevant MoRT&H specification	Sqm	414.00
HW-W0068	Initial pile Load test (excluding pile cost) (Design load)	Tonne	1400.00
HW-W0069	Routine Pile load Test (Design Load)	Tonne	940.00
<b>NOTE:</b> The Basic Rate adopted under this Head, "Annexure-III – Rates of Works" is exclusive of all taxes and GST.			

**ANNEXURE IV**  
**RATES OF QC EQUIPMENTS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
HW-E0001	Bitumen Extractor (Electrically operated)	Each	23000.00
HW-E0002	Bitumen Extractor (Hand Operated)	Each	12000.00
HW-E0003	Weighing Balance 30kg (0.01 Accuracy)	Each	10000.00
HW-E0004	Concrete Cube Mould 150 mm X 150 mm X 150 mm	Each	1500.00
HW-E0005	Core Bit	Each	15000.00
HW-E0006	CBR Mould	Each	2000.00
HW-E0007	Depth Gauge Digital	Each	3750.00
HW-E0008	Temperature Gun	Each	3500.00
HW-E0009	Camber Board 3.5m	Each	8000.00
HW-E0010	Slump Cone	Each	2500.00
HW-E0011	Field Density Apparatus (Small) as per IS 2720 - PART XXVIII	Each	2500.00
HW-E0012	Field Density Apparatus (large) as per IS 2720 - PART XXVIII	Each	4750.00

**ANNEXURE V**  
**RATES OF ROAD FURNITURES**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<p>Providing and erecting of Retro - Reflectorised Cautionary, Mandatory and Informatory signs (without definition board) made out of High Intensity Prismatic Grade Sheeting conforming to Type-IV standards of IRC-67: 2012 and ASTM D 4956 -09, specification and fixed over 2mm thick Aluminium sheet fixed over a back supporting frame of 25mm x 25mmx3mm Mild Steel angle and supported on a mild steel angle post 75X75X6mm with a clear height of not less than 2.10m from the ground level to the bottom of the sign board and 0.60m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cmX45cmX60cm size including cost and conveyance of all materials, equipment, Machinery and labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by the engineer-in-charge. High intensity Retro - Reflectro sheet shall consist of minimum coefficient of Retro-reflection as per Table 6.6 of IRC 67-2012. The retro - reflective sheeting shall be covered under 7 year warranty issued for field performance and a certified copy of three years outdoor exposure report shall be obtained as per IRC 67:2012 . ( as per MoRT&amp;H Specification No.801)</p>		
HW-W0070	90 cm equilateral triangle	Each	5126.00
HW-W0071	60 cm equilateral triangle	Each	3228.00
HW-W0072	60 cm circular	Each	4513.00
HW-W0073	80 cm x 60 cm rectangular	Each	6349.00
HW-W0074	60 cm x 45 cm rectangular	Each	4316.00
HW-W0075	60 cm x 60 cm square	Each	5184.00
HW-W0076	90 cm octagon	Each	8205.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p>Providing and erecting of Retro - Reflectorised Cautionary, Mandatory and Informatory signs (with definition board) made out of High Intensity Prismatic Grade Sheeting confirming to Type-IV standards of IRC-67: 2012 and ASTM D 4956 -09, specification and fixed over 2mm thick Aluminium sheet fixed over a back supporting frame of 25mmx25mmx3mm Mild Steel angle and supported on a mild steel angle post 75X75X6mm with a clear height of not less than 2.10m from the ground level to the bottom of the sign board and 0.60m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cmX45cmX60cm size including cost and conveyance of all materials, equipment, Machinery and labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by the engineer-in-charge. High intensity Retro - Reflectro sheet shall consist of minimum coefficient of Retro-reflection as per Table 6.6 of IRC 67-2012. The retro - reflective sheeting shall be covered under 7 year warranty issued for field performance and a certified copy of three years outdoor exposure report shall be obtained as per IRC 67:2012 . ( as per MoRT&amp;H Specification No.801)</p>		
HW-W0077	90 cm equilateral triangle	Each	6900.00
HW-W0078	60 cm equilateral triangle	Each	4999.00
HW-W0079	60 cm circular	Each	6283.00
HW-W0080	80 cm x 60 cm rectangular	Each	8120.00
HW-W0081	60 cm x 45 cm rectangular	Each	6087.00
HW-W0082	60 cm x 60 cm square	Each	6958.00
HW-W0083	90 cm high octagon	Each	9976.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p>Providing and erecting of Direction and Place Identification Retro-reflectorised Sign made out of High Intensity Prismatic Grade Sheeting confirming to Type-IV standards of IRC-67: 2012 and ASTM D 4956 -09, specification and fixed over 2mm thick Aluminium sheet fixed over a back supporting frame of 25mmx25mmx3mm Mild Steel angle and supported on a mild steel angle post 75X75X6mm with a clear height of not less than 2.10m from the ground level to the bottom of the sign board and 0.60m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cmX45cmX60cm size including cost and conveyance of all materials, equipment, Machinery and labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by the engineer-in-charge. High intensity Retro Reflecto sheet shall consist of minimum coefficient of Retro-reflection as per Table 6.6 of IRC 67-2012. The retro- reflective sheeting shall be covered under 7 year warranty issued for field performance and a certified copy of three years outdoor exposure report shall be obtained as per IRC 67:2012. (as per MoRT&amp;H Specification No.801)</p>		
HW-W0084	Rate per sqm (for sign having area upto 0.9 sqm) Type-IV	Sqm	11491.00
HW-W0085	Rate per sqm ( for sign having area more than 0.9 sqm) Type-IV	Sqm	11805.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<p>Providing and erecting of Direction and Place Identification Retro-reflectorised Signs made out of Cube Corner Micro Prismatic Grade Sheeting conforming to Type-XI standards of IRC-67: 2012 and ASTM D 4956 -09, specification and fixed over 2mm thick Aluminium sheet fixed over a back supporting frame of 25mmx25mmx3mm Mild Steel angle and supported on a mild steel angle post 75X75X6mm with a clear height of not less than 2.10m from the ground level to the bottom of the sign board and 0.60m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cmX45cmX60cm size including cost and conveyance of all materials, equipment, Machinery and labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by the engineer-in-charge. Micro Prismatic grade Retro - Reflectro sheet shall consist of minimum coefficient of Retro-reflection as per Table 6.9 of IRC 67-2012. The retro -reflective sheeting shall be covered under 10 year warranty issued for field performance and a certified copy of three years outdoor exposure report shall be obtained as per IRC 67:2012. ( as per MoRT&amp;H Specification No.801) (For location of black spot, curve, sharp bend, junction, ghat roads and critical zone applications)</p>		
HW-W0086	Rate per sqm (for sign having area upto 0.9 sqm) Type XI	Sqm	14041.00
HW-W0087	Rate per sqm ( for sign having area more than 0.9 sqm) Type - XI	Sqm	14355.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	Metal Beam Crash Barrier Type - A, "W" Double Guard		
HW-W0088	Providing and erecting Single sided Double Guard Metal Beam Crash Barrier System 1.70m high, comprising of 3mm thick wall "W" beams posts and spacer channels shall be made by cold roll forming using HR conform to IS 5986 Fe 410/360 and dip galvanized having Zinc Mass of 550gms/sqm, minimum 950mm above road/ ground level fixed on ISMC series channel vertical post 150x75x5mm spaced 2m center to center 312mm x 83mm flange width x 3mm thick, 4318mm long post directly embedded in the concrete (M15) pit size 350x350x800mm for a depth of 750mm below ground. All fixing bolts and nuts hot dip galvanized conforming to IS:1367 clause 4.60 all complete as per Technical Specification and as directed by the Engineer-in-charge	RM	6500.00
	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface		
HW-W0089	Providing and laying of hot applied Thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes etc., complete as per MoRT&H specification No.803	sqm	890.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	Road Markers/Road Stud with Lens Reflector		
HW-W0090	<p>Providing and fixing reflective road studs of 'category A' Raised pavement markers made out of poly carbonate / methyl methacrylate/ABS moulded body conforming to ASTM D 788 and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face with retro reflectance and chromaticity values conforming to ASTM D4280. The reflective raised pavement markers shall also confirm to the MORTH circular No RW / NH. 33023/10/ 97-DO. III dt 11.06.97. The height, width and length shall not be less than 15 mm, 90 mm and 100 mm and with minimum reflective area of 13 Sq.cm on each side and the slope to the base shall be 35 +/- 5 degree. Each reflector shall have a CIL not less than values specified in Table 2 of said MORTH circular. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2mm and height not less than 30 +/- 2 mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer. The marker shall support a load of 13635 Kg tested in accordance with ASTM D4280 and confirming to IRC 35 - 2015 guidelines and MoRT&amp;H specification 804 etc., complete</p>	Each	480.00
	Road Delineators		
HW-W0091	<p>Supplying and installation of delineators (road way indicators, hazard markers and object markers), 80-100 cm high above ground level, painted at alternatively black and white in 15 cm wide strips, fitted with 80 x 100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and conforming to IRC-79 etc., complete (as per MoRT&amp;H specification No. 806)</p>	Each	2400.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0092	<p>Providing and Erecting of Retro - Reflectorised Hazard Marker Traffic Sign made out of High Intensity Prismatic Grade Sheeting confirming to Type-IV standards of IRC-67: 2012 and ASTM D 4956 -09, specification and fixed over 2mm thick Aluminium sheet fixed over a back supporting frame of 25mmx25mmx3mm Mild Steel angle and supported on a mild steel angle post 75X75X6mm and 0.60m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cmX45cmX60cm size including cost and conveyance of all materials, equipment, Machinery and labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by the engineer-in-charge. High intensity Retro - Reflecto sheet shall consist of minimum coefficient of Retro-reflection as per Table 6.6 of IRC 67-2012. The retro- reflective sheeting shall be covered under 7 year warranty issued for field performance and a certified copy of three years outdoor exposure report shall be obtained as per IRC 67:2012. (as per MoRT&amp;H Specification No.801) 30cm x 90cm rectangular</p>	Each	4000.00
HW-W0093	<p>Providing fixing of Rigid Median Marker double sided made of polycarbonate for impact resistance and good weather ability. Polycarbonate used for molding the median marker shall have a minimum Izod impact strength value of 600 J/m at room temperature. The impact strength of the poly carbonate should not decrease to less than 70% of its initial value on being subjected to UV weathering as per ASTM G 155 for 1000 hours or exposure to 2 years of natural weathering. The body of the median marker shall be in the form of an isosceles trapezoidal structure of length 15 cm height and width of 10 x 10 cm. The median marker shall have fluorescent yellow retro - reflective sheeting confirming to Type XI specifications as per ASTM D 4956. Area of reflective sheeting should not be less than 70 cm<sup>2</sup>. Edge of retro reflective shall be concealed using a grill/ mesh/similar mechanism to prevent vandalism and sheeting pilferage. The logo of the manufacturer shall be embossed and painted in contrasting colour on both side of median marker for distinct identification.</p>	Each	470.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0094	<p>Providing and Fixing of Flexible Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with property of flexibility to provide high durability. The dimension of Flexible Median Marker should not exceed 18.4 cm in height(including shank height),12.5 Cm in width, ,0.65 cm in thickness and shank depth shall be 3.4 cm The body structure shall be rounded at all its corners and edges. The plastic used for molding the Flexible Median Marker should survive impact load of 5kg continuously for 750 times at room temperature. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have flame like shaped body with, fluorescent yellow color retro-reflective sheeting of size not less than 90 Cm square, with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67 2012 and ASTM D4956-09 type XI specifications reflectivity values. The retro-reflective sheeting shall be one or both sides of the Flexible Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc., The Flexible Median Marker shall be fixed by a combination of epoxy adhesive and grouting as recommended by manufacturer.</p>	Each	1980.00
HW-W0095	<p>Providing and fixing of Retro - Reflectorised cautionary Star Sign made out of High Intensity Prismatic Grade reflective Sheeting stucked over CR sheet 0.20 mm / 32 G thickness with black enamel paint firmly fixed on the trees with 1 1/2 '' x 14 G wire nails of size 100 mm x 100 mm</p>	Each	90.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0096	<p>Providing and fixing of Digitally Printed Retro Reflectorized Overhead Cantilever Informatory sign Board of Size 5.00m x 1.80m made of cube corner Micro Prismatic grade sheeting conforming to Type XI standards of IRC67 - 2012 and ASTM D4956 - 09, specification and fixed over 2mm thick aluminum sheet fixed on back supporting frame mild steel L angle of size 50mm x 50mm x 6mm. The Vertical support post for the installation of overhead sign Gantry shall be made of 300NB (Nominal Bore) MS Pipe with 12mm thick with a ground clearance of 6 meters along with 80NB (Nominal Bore) MS Pipe with 4mm thick and 40NB (Nominal Bore) MS Pipe with 3.20mm thick support posts. MS Base plate of size 1200mm x 1200mm x 25mm and MS Top plate of size 900mm x 1650mm x 16mm to be used to hold the sign board at the top and bottom respectively. MS Stiffener plates 8mm thick of sizes 420x420, 682x420, 288x288, 288x927 &amp; 44x130 are to be used. Anchor bolts of dimension 25mm dia and 1000mm length are to be used as fixtures. The approved direction information should be digitally printed and should have 70% of the co-efficient of Retro-reflection values against the values as mentioned in Table 6.9 of IRC67 - 2012. The Latex printer used for digital printing should use inks with low VOC emissions and have green guard, eco logo certificates as per UL 2801 standards. The retro-reflective sheeting shall be covered under 10 years warranty issued for field performance and a certified copy of three years Outdoor exposure report shall be obtained as per IRC 67-2012 (As per MoRT&amp;H specification No.801). Cantilever sign shall be installed at the site as per the approved structural and foundation drawing provided in the tender document and including cost and conveyance of all materials, equipment, machineries to worksite, including all labour charges for fixing the gantry in position with all leads and lifts, loading charges and necessary for satisfactory completion of the work as directed by the engineer-in-charge etc., complete.</p>	Each	540490.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0097	<p>Providing and fixing of Digitally Printed Retro Reflectorized Overhead Gantry Informatory sign Board made of cube corner Micro Prismatic grade sheeting conforming to Type XI standards of IRC67 - 2012 and ASTM D4956 - 09, specification and fixed over 2mm thick aluminum sheet fixed on back supporting frame mild steel L angle of size 50mm x 50mm x 6mm. The Vertical support post for the installation of overhead sign Gantry shall be made of 300NB (Nominal Bore) MS Pipe with 12mm thick with a ground clearance of 6 meters along with 80NB (Nominal Bore) MS Pipe with 4mm thick and 40NB (Nominal Bore) MS Pipe with 3.20mm thick support posts. MS Base plate of size 1200mm x 1200mm x 25mm and MS Top plate of size 900mm x 1650mm x 16mm to be used to hold the sign board at the top and bottom respectively. MS Stiffener plates 8mm thick of sizes 420x420, 682x420, 288x288, 288x927 &amp; 44x130 are to be used. Anchor bolts of dimension 25mm dia and 1000mm length are to be used as fixtures. The approved direction information should be digitally printed and should have 70% of the co-efficient of Retro-reflection values against the values as mentioned in Table 6.9 of IRC67 - 2012. The Latex printer used for digital printing should use inks with low VOC emissions and have green guard, eco logo certificates as per UL 2801 standards. The retro-reflective sheeting shall be covered under 10 years warranty issued for field performance and a certified copy of three years Outdoor exposure report shall be obtained as per IRC 67-2012 (As per MoRT&amp;H specification No.801). Cantilever sign shall be installed at the site as per the approved structural and foundation drawing provided in the tender document and including cost and conveyance of all materials, equipment, machineries to worksite, including all labour charges for fixing the gantry in position with all leads and lifts, loading charges and necessary for satisfactory completion of the work as directed by the engineer-in-charge etc., complete. of size 12.00 m X 1.8 m</p>	Each	1015160.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0098	<p>Providing and fixing of Digitally Printed Retro Reflectorized Sign Board using UV Inkjet Printer made out of cube corner micro prismatic grade sheeting of Type-XI standards of IRC 67-2012 and ASTM D 4956 – 09 specification, Digitally Printed using UV Inkjet Printer (UVI) for traffic colour, images/ logos/ text and laminated with clear electro-cutable film and applied to properly prepared sign substrates, fixed over 2mm Aluminium sheet with back supporting frame of 50x50x6mm Mild Steel 'L' angle and supported on a 150NB (Nominal Bore) pipe with 4.50mm thick with an overall height from top of the board to foundation. The sign board should be of 2.10m clear height from the ground level to the bottom of the sign board and 1.10m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete of size 450x450x1100mm including cost and conveyance of all materials, equipment, machineries to worksite, including all labour charges for fixing the gantry in position with all leads and lifts, loading charges and necessary for satisfactory completion of the work as directed by the engineer-in-charge etc., complete. The Micro prismatic sheeting should have minimum 70% co-efficient of Retro-reflection values as per table 6.90 of IRC 67-2012. The retro-reflective sheeting shall be covered under 10 Years warranty issued for field performance and a certified copy of 3 years outdoor exposure report shall be obtained as per IRC 67-2012. The warranty shall be inclusive of digitally printed images/ logos/ test/ legends and their bonding to the retro-reflective sheeting (as per MoRT&amp;H specification no.801) of Size – 3.64m x 2.42m</p>	Each	157550.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0099	<p>Providing and fixing of Digitally Printed Fluorescent Coloured Retro Reflectorized Sign Board using Latex Printer made out of cube corner micro prismatic grade Fluorescent Coloured sheeting of Type-XI standards of IRC 67-2012 and ASTM D 4956 – 09 specification, Digitally Printed using Latex printing for traffic colour, text and laminated with clear electro-cutable film and applied to properly prepared sign substrates, fixed over 2mm Aluminium sheet with back supporting frame of 50x50x6mm Mild Steel 'L' angle and supported on a 150NB (Nominal Bore) pipe with 4.50mm thick with an overall height from top of the board to foundation. The sign board should be of 2.10m clear height from the ground level to the bottom of the sign board and 1.10m below ground level. The sign post should be painted as per IRC 67-2012 and firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete of size 450x450x1100mm including cost and conveyance of all materials, equipment, machineries to worksite, including all labour charges for fixing the gantry in position with all leads and lifts, loading charges and necessary for satisfactory completion of the work as directed by the engineer-in-charge etc., complete. The Micro prismatic Fluorescent Coloured sheeting should have minimum co-efficient of Retro-reflection values as per table 6.90 of IRC 67-2012. The retro-reflective sheeting shall be covered under 10 Years warranty issued for field performance and a certified copy of 3 years outdoor exposure report shall be obtained as per IRC 67-2012. The warranty shall be inclusive of digitally printed test/ legends and their bonding to the retro-reflective sheeting (as per MoRT&amp;H specification no.801). The Latex printer used for digital printing should have inks of low VOC emissions and have green guard, eco logo certificates as per UL2801 standards.of Size – 3.64m x 2.42m</p>	Each	151502.00
HW-W0100	<p>Supply and fixing of Kilometre stone of standard design and drawing as per IRC:8-1980 (second revision),including painting and numbering etc., and all other incidental charges etc., complete.</p>	Each	2197.00
HW-W0101	<p>Supply and fixing of HM stone of standard design and drawing as per IRC:26-1967, including painting and numbering etc., and all other incidental charges etc., complete.</p>	Each	574.65
HW-W0102	<p>Supply and fixing of Boundary stone of standard design and drawing as per IRC:25-1967, including painting and numbering etc., and all other incidental charges etc., complete.</p>	Each	1107.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0103	Supply and fixing of RCC guide post of size 1.20 x 0.20 x 0.20 m with reflective star stickers with tin M.s sheet with two side packing and top cover of 0.75 inches in RCC 1: 2: 4 Mix using 20 mm HBG ISS metal with 10 mm. dia bars as vertical with 8mm dia Stirrups including 8.25 inches x 4.25 feet mould with star shape of 5 inches and top projection by 0.75 inches x 3 inches including cost and conveyance of materials to worksite etc., complete.,	Each	1220.22
HW-W0104	Supply and fixing of Aluminium backed Flexible Prismatic (AFP) Sheeting shall be of 1ft width and laminated at the back with a 50 micron thick Aluminium (Al) foil with pressure sensitive adhesive and liner ,further this flexible prismatic sheeting shall have screen printed arrow /slant line pattern in black colour on top in continuous roll format. Neither AFP sheeting nor the flexible prismatic sheeting used shall crack when slowly bent in second time around a 1/8th inch mandrel after being conditioned for 24 hrs at 0 degrees and tested as per section s2.2.2 of ASTM, D 4956-09. The AFP sheeting with the liner removed shall be applied with a neoprene contact adhesive with polychloroprene as base viscosity of 200-450 cps and solid content of 20-30 % once applied the edges of the product shall be extremely resistant to peel off . A test report from institutes like ARAI/CRR/ conforming to above mentioned flexibility and ASTM D 4956-09 type -vi retro reflectivity performance of the flexible prismatic sheeting used in AFP shall be submitted by the tenderer during pre-qualification and supply of material.2 years Pre-qualification warranty for field performance shall be submitted by the contractor for technical qualification in the tender	Each	9200.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0105	<p>Supplying and installation of a road Restraint system-Roller System Barrier shall meet all the performance requirements of MASH TL-4 of AASHTO and other relevant tests in force. The Roller system comprising of post of hot dip galvanized steel of 140mm diameter, main post of 2200mm height, 4.5mm thick (including reinforced to 1m height with 125mm dia, 4mm thick inner post) and intermediate post of 135mm dia, 780mm height of 4mm thick, spaced with intervals of 666.66mm c/c installed in hardened surface made of M15 Grade concrete using 40 mm metal. Safety sleeve rail of SS 400 section 125 x 100 x 5mm are fixed two at top and two at bottom rails in main posts, two shock absorbing rollers of 370mm diameter and 210mm height of each made of polypropylene – EVA (Ethylene Vinyl Acetate) with reflective bands (minimum Class-1), including joint sleeve rails of 108 x 75 x 5mm of 900mm for top rails and 300mm length for bottom rails, each sleeve to be fabricated with a series of slotted and round holes, including Post caps, round rail, lockers, pipes, stopper boards, LED guide lamps, connecting material like bolts, fasteners etc., and all labour charges for erecting at site. All steel parts (FRAME S235R equivalent SS400) and post S235JR shall be hot dip galvanized to protect against corrosion. The system shall be installed in accordance with the drawings, assembly instructions, including the cost of labour, Machineries, conveyance, loading and unloading charges and all other incidental charges whichever necessary including the liability period of 5 years for all materials and as per the guidance of the departmental engineers etc., complete.</p>	RM	58395.00
HW-W0106	<p>Providing and fixing Solar powered Traffic Blinkers of 30cm dia with Polycarbonate Dome 5mm Red of Led 150 Nos. i.e. each Red Blinkers Light - 1 No. with Red / White / Blue Led Blinkers Delineator Solar Panel : 12v 50w Solar Panel — 1 No. 12v 18 AH Battery - 1 No. with Box, Solar Circuit Controller Board Box. Straight Pole : MS Pole 3" dia 2.5mm thick 18 Feet height pole (1 No.) with 2 Feet under ground pole foundation, pole painting including transportation charges, installation charges etc., complete as per standard specification.</p>	Each	25000.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0107	<p>Providing and erecting Single sided Single Guard Metal Beam Crash Barrier System (Type - A, "W" Single Guard)1.80m high, comprising of 3mm thick wall "W" beams posts and spacer channels shall be made by cold roll forming using HR conform to IS 5986 Fe 410/360 and dip galvanized having Zinc Mass of 550gms/ sqm, minimum 700 mm above road/ ground level fixed on ISMC series channel vertical post 150x75x5mm spaced 2m center to center 312mm x 83mm flange width x 3mm thick, 4318mm long post directly embedded in the concrete (M15) pit size 350x350x800mm for a depth of 1100mm below ground. All fixing bolts and nuts hot dip galvanized conforming to IS:1367 clause 4.60 all complete as per Technical Specification of IRC 119 2015 and as directed by the Engineer-in-charge</p>	RM	4696.00

**ANNEXURE VI**  
**RATE OF SURVEY AND DPR**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)</b>
HW-W0108	Conducting Classified traffic volume count (minimum of 7 days) & Origin - Destination survey (minimum of 3 days) including supply of trained Enumerators , Supervisors etc., with required Qualification,the sight shall have temporary enclosed facility with seating and table arrangements for safely accommodating the counting staff and illumination during night, etc.,and as per instructions of the Engineer- in - charge and including compilation of data for one Location/ day as per IRC 9-2022 , IRC SP 19-2020& IRC 102-2022	day	33,628.00
HW-W0109	Conducting Turning Movement for 3-legged Junction including supply of trained Enumerators , Supervisors etc., with required Qualification,the sight shall have temporary enclosed facility with seating and table arrangements for safely accommodating the counting staff and illumination during night, etc.,and as per instructions of the Engineer- in - charge and including compilation of data for one Location/ day as per IRC 9-2022, IRC SP 19-2020, IRC 102-2022& IRC SP 41-1994	24 hours	53,558.00
HW-W0110	Conducting Turning Movement for 4-legged Junction including supply of trained Enumerators, Supervisors etc., with required Qualification,the sight shall have temporary enclosed facility with seating and table arrangements for safely accommodating the counting staff and illumination during night, etc.,and as per instructions of the Engineer- in - charge and including compilation of data for one Location/ day as per IRC 9-2022, IRC SP 19-2020, IRC 102-2022& IRC SP 41-1994	24 hours	70,067.00
HW-W0111	Conducting Speed and Delay Studies using a test vehicle as per Cl.9.1 of IRC SP 19 - 2020 and as per Cl.9.1 of IRC:102-2022 and as per instruction of the Engineer-in- charge and including compilation of data for one location.	day	8,700.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 1.07.2024)
HW-W0112	Conducting Topographical survey by using total station for assessing longitudinal and cross sectional details of both sides of existing road for the proposed work including plotting the details for getting site plan, longitudinal sections and cross sections as per the instructions of Engineer-in-Chief and as per Cl 8.2 of IRC SP: 19-2020	m	24.40
HW-W0113	<p>To carryout linear Drone survey agencies will usefully autonomous professional survey grade drone and in post process for aerial triangulation required ground control points and benchmarks will be collected by using survey grade dual frequency DGPS-PPK system. After post processing agency will deliver following final output.</p> <ol style="list-style-type: none"> <li>1. Geotagged images in JPG format with resolution of 4-5cm/pixel with 70% overlap</li> <li>2. GCP values in .CSV format.</li> <li>3. 3D point cloud cover.</li> </ol>	Running Kilometre	8500.00

**ANNEXURE VII**  
**RATES OF AVENUE PLANTATION**

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0114	Earth pit using machinery (Back Hoe), including Hire charges, fuel charges and Supply of Tree guard, Wooden cage, green cloth, Guard stick and Manure (Fertilizer) including cost, conveyance, loading, unloading and all other labour charge etc., complete. (for Avenue Plantation)	Each	400.80
HW-W0115	Supply of HD sticker including cost, conveyance including labour charges for fixing etc., complete. (for Avenue Plantation)	Each	20.00
HW-W0116	Watering charges - Cost of water @ 50 liters per seedlings (except June - November - 6Months ) for 6 months = 182 days/ 3 days =61 days X 50 Lit/ Each seedling = 3050 litres including Hire charges, fuel charges and all other labour charges etc., complete. (for Avenue Plantation)	Each	658.80
HW-W0117	Turffing including Biotic Soil media maintaining with watering for One year	Sqm	2100.00
HW-W0118	Maintenance of Lawns or Turfing of Slopes (Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc.,)	sqm	166.00
HW-W0119	Towards supply of Grown up Avneue Trees of 10' feet height such as Tamrind, Neem, Pungam, Illuapai and Navai etc., including cost and conveyance to the site as directed by the departmental officer. Planting of trees by the road side in 0.50m dia pit and 1.00 m deep dug in the ground, mixing the soil with decayed farm yard/ sludge manure, backfilling the trench, watering, fixing the tree guard with Casurnia Poles and all other incidental charges etc., complete as directed by the departmental officers. (Earth work done by departmental gangs) - Rate per 1 No.	Each	717.50

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
HW-W0120	Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, deep dug in the ground, mixing the soil with decayed farmyard / sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard 1.5m above Ground level, 0.3m below the ground level with MS wire mesh of 1"x1" opening size with 4 Nos of 12mm diameter rods of 1.8m length in which 0.3m below the ground level and maintaining the plant for one year	Nos	3,697.00
HW-W0121	Maintaining the planted tree sapling with tree guard for one year period with sufficient manure, pesticide, water and labour charges etc.,	Nos	1,371.00
HW-W0122	Replanting the sapling of 2m height for replacing the dead sapling in place with available tree guard at site.	Nos	1,017.00
HW-W0123	Fixing of tree guard of 0.60m diameter, 1.50m above the ground level in MS wire mesh of 1"x1" opening size with 4 Nos of 12mm diameter rods of 1.8m length in which 1.50m above the ground level including labour for fabrication and fixing at site.	Nos	1,648.00
HW-W0124	Tree Plantation including pit excavation, Cost and supply of plants, fertiliser, fencing guard all labour charges watering for one year Period	Each	1500.00
HW-W0125	Supply of UV Cloth including cost, conveyance and all other incidental charges etc., complete as per standard specification for tree sapling	RM	30.00

**ANNEXURE VIII****SUB DATA**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	Earthwork Excavation (Bridge works)		
HW-W0126	Bailing out of water.	Cu.m	35.00
HW-W0127	Shoring and shuttering.	Cu.m	31.60
HW-W0128	Tools & Plants.	Cu.m	30.75
HW-W0129	Removal of protective bunds and cleaning the site.	Cu.m	24.40
HW-W0130	Formation and maintaining of protective bunds / coffer dams	Cu.m	36.00
	Concrete Works: (Bridge works)		
HW-W0131	Curing concrete	Cu.m	23.00
HW-W0132	Hire charges for Tools & Plants.	Cu.m	98.40
HW-W0133	Drilling 40mm holes	MT	335
HW-W0134	Grouting Charge	MT	222
HW-W0135	Seepage pipe fixing charges	RM	15
HW-W0136	Revetment fixing charges	/10 Cum	120
HW-W0137	Conducting SPT test at every pile location	RM	117.00
HW-W0138	Anti corrosive treatment for steel	MT	2675.00
HW-W0139	Wearing coat over deck slab floating charges.	10 Sq.m	810.00

**ANNEXURE IX**  
**RATES OF HIRE CHARGES FOR TOOLS AND PLANTS**

Unique Code	Items	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>HIRE CHARGES</b>		
H-0077	Power Roller / Road Roller	Each	985.00
H-0078	Tipper 10 Tonnes	Each	1307.00
H-0079	Loader	Each	1452.00
H-0080	Paver Finisher	Each	2940.00
H-0081	Vibrator Roller 8-10 Tonne	Each	6531.00
H-0082	Mini Hot Mix Plant 6 / 10	Each	2022.00
H-0083	Water Sprinkler	Each	1383.00
H-0084	Wet Mix Plant 75 Ton Capacity	Each	10767.00
H-0085	Electrical Generating Set 125 KVA	Each	6188.00
H-0086	Water Tank 6 KL Capacity (GSB)	Each	2395.00
H-0087	Motor Grader 110 HP	Each	16152.00
H-0088	Tractor - Rotovator	Each	3382.00
H-0089	Water Tanker (WMM)	Each	1028.00
H-0090	Base Mix Plant (Pug Mill)	Each	8037.00
H-0091	Central Hot Mix Plant	Each	11604.00
H-0092	Bitumen Boiler	Each	247.00
H-0093	Tractor with Dozer	Each	5376.00
H-0094	JCB	Each	6272.00
H-0095	Dewatering Pump with Engine	Each	2103.00
H-0096	Ajax Self Loading Concrete Mixer	Each	8960.00
HW - H0001	Paver finisher Hydrostatic - 170 HP (more than 5M Width)	Hour	4100.00
HW - H0002	Water	KL	216.00
HW - H0003	Tipper Trucks	Per tonne/KM	6.00

<b>Unique Code</b>	<b>Items</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
HW - H0004	Bitumen Emulsion Pressure Distributor	10 Sqm	25.00
HW - H0005	Pneumatic Tyred Road roller	Hour	2000.00
HW - H0006	Vibratory Soil Compactor (Earth/Soil, GSB, WMM)	Hour	2000.00
HW - H0007	Milling Machine with 1 Meter Drum Width	Hour	4557.00
HW - H0008	Milling Machine with 2Meter Drum Width	Hour	11412.00
HW - H0009	Mini Truck (including fuel charges)	Day	2000.00
HW - H0010	Air Compressor (including fuel charges)	Hour	585.00
HW - H0011	Excavator (EX 200 (including fuel charges)	Hour	2000.00
HW - H0012	Bush Cutter ( Hand operator) (including fuel charges)	Day	1000.00
HW - H0013	Batching and Mixing Plant-120 cum	Hour	3909.00
HW - H0014	Batch mix HMP 100-120 TPH hydrostatic with sensor control	Hour	16478.00
HW - H0015	Batch mix HMP 40-60 TPH	Hour	14500.00
HW - H0016	Batch type HMP 30/40 TPH	Hour	10666.00
HW - H0017	Crane with grab bucket of 0.75 / 1.0 cum capacity and accessories	Hour	1109.00
HW - H0018	Crane (Light) 3-5 t capacity	Hour	599.00
HW - H0019	Epoxy injection gun	Hour	208.00
HW - H0020	Grout pump with agitator and accessories	Hour	325.00
HW - H0021	Hydraulic broom with tractor	Hour	413.00
HW - H0022	Hydraulic Excavator 0.9 / 1.0 cum bucket capacity	Hour	1438.00
HW - H0023	Hydraulic piling Rig with bentonite pump	Hour	6492.00
HW - H0024	Hydraulic piling Rig with power unit and double acting pile driving hammer complete	Hour	6022.00
HW - H0025	Jack Hammer with tractor	Hour	448.00
HW - H0026	Jack of 40 T lifting capacity	Hour	228.00

<b>Unique Code</b>	<b>Items</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
HW - H0027	Joint Cutting Machine with 2-3 blades	Hour	199.00
HW - H0028	Kerb casting and laying machine	Hour	521.00
HW - H0029	Needle vibrator	Hour	79.20
HW - H0030	Plate compactor	Hour	90.00
HW - H0031	Plate vibrator	Hour	90.00
HW - H0032	Paint Applicator	Hour	169.00
HW - H0033	Shotcreting equipment	Hour	340.00
HW - H0034	Prestressing jack with pump	Hour	348.00
HW - H0035	Trailer 30 t capacity	Hour	952.00
HW - H0036	Transit mixer	Hour	945.00
HW - H0037	Floor plate. (wearing coat)	day	2425.00
HW - H0038	Mobile Hydraulic Crane 10 Tonne Capacity	Hour	600.00
HW - H0039	Transit truck agitator for transportation (6 Cum capacity)	Tonne Km.	10.50
HW - H0040	Transit truck agitator for unloading	Hour	945.00
HW - H0041	Front end loader - 1 Cum bucket capacity	Hour	2515.00
<b>NOTE</b>			
1	The Basic Rate adopted under this Head, "Annexure-VIII - Rates of Hire Charges for Tools and Plants" is exclusive of all taxes and GST.		
2	The Basic Rate adopted under this Head, "Annexure-VIII - Rates of Hire Charges for Tools and Plants" is calculated on per day basis of 8 hours.		

**WATER RESOURCES  
DEPARTMENT  
(WRD)**

### Structure for Unique Item Codes

<b>Item Code</b>	<b>Item Type</b>
WR	Water Resources Department
L	Labour
M	Materials
W	Works
E	Equipments
C	Head load and Conveyance
H	Hire Charges

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "WR-A1234" mentioned in the 'Unique Code' column in each sheet

**ANNEXURE-I**

**I. RATES OF LABOUR**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
<b>I</b>	<b>HIGHLY SKILLED CATEGORY</b>		
L-0005	Laboratory Assistant Grade-I (Post Graduate in Science)	Day	1018.00
L-0006	Laboratory Assistant Grade-II (Degree in Science / Degree in Geology for Ground Water)	Day	933.00
L-0007	Laboratory Assistant Grade-III (With Degree Qualification to work as Works Clerk)	Day	839.00
L-0008	B.Sc., (Agriculture) Passed	Day	1205.00
L-0011	Irrigation Community Organiser Grade-I [B.E. (Agri) Passed / B.Sc. (Agri) Passed / P.G. (Geology) & Rural Development]	Day	1290.00
L-0012	Irrigation Community Organiser Grade-II [B.E. (Agri) Failed / B.Sc. (Agri) Failed / Diploma in Agri. Passed]	Day	1073.00
<b>II</b>	<b>SKILLED CATEGORY</b>		
L-0015	Boat Mazdoor	Day	708.00
L-0022	Head Mazdoor for Well Sinking	Day	708.00
L-0034	Mopla-I Class	Day	842.00
L-0035	Navagonies or Javali Man-I Class	Day	708.00
L-0047	Well Diver for removing silt-I Class	Day	842.00
L-0048	Well Sinker-I Class	Day	952.00
L-0049	Well Sinking Diver working with Helmet (above two metres depth of water)	Day	983.00
L-0052	Geological Assistant	Day	1041.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>SEMI SKILLED CATEGORY</b>		
L-0064	Caulker	Day	741.00
L-0066	Ferry Mazdoor	Day	741.00
L-0076	Mopla-II Class	Day	811.00
L-0088	Well Diver for removing silt-II Class	Day	811.00
L-0089	Well Sinker-II Class	Day	922.00
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-I – Rates of Labour" is exclusive of all taxes and GST.		
2a	For night works including bridge works in all Corporation and Municipal Areas, an extra 25% over the Rates of Labour charges only may be allowed.		
2b	The extra 25% for labour rates is applicable to only items of works which are necessarily to be carried out during night with appropriate clause incorporated in the tender document. The increase is applicable on the basic rates only (excluding extra percentage provided for specified areas).		

**ANNEXURE-II**

**II. RATES OF MATERIALS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>B. STONE AND ROAD MATERIALS</b>		
M-0046	Rough Stone for revetment works	cum.	388.70
M-0047	Jeddy size for revetment (Hard Granite)	cum.	428.00
M-0049	From boulders without blasting for revetment	cum.	114.10
M-0053	Chisel Dressed Stone 70cm x 30cm x 29cm	Each	176.70
M-0054	Chisel Dressed Stone 37cm x 30cm x 29cm	Each	159.50
M-0055	Hammer Dressed Stone 37cm x 30cm x 29cm	Each	123.20
M-0056	Cut Stone Fully Dressed to size on all faces	cum.	6443.00
M-0057	Cut Stone Roughly dressed	cum.	4433.00
M-0060	Stone Slab for Culvert (3 faces one line dressed) Above 1.2m	cum.	4666.00
M-0061	Stone Slab for Culvert (3 faces one line dressed) Upto 1.2m	cum.	4242.00
M-0062	Stone Slab for Culvert (3 faces two line dressed)	cum.	5191.00
M-0063	For Lintel Coping (3 faces two line dressed)	cum.	5191.00
M-0065	Kilometre Stone 1.65 x 0.45 x 0.15m	Each	443.30
M-0066	Hectametre Stone 0.9x0.1x0.1m	Each	123.20
M-0067	Hectametre Stone 0.75x0.23x0.1m	Each	226.20
M-0068	Hectametre Stone 0.9x0.15x0.15m	Each	222.20
M-0069	Demarcation Stone (two line dressed for top 30 cm) 75 x 15 x 15 cm	Each	91.90

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-0070	Demarcation Stone (two line dressed for top 30 cm) 90 x 23 x 23 cm	Each	118.10
M-0071	Demarcation Stone (two line dressed for top 30 cm) 75 x 23 x 23 cm	Each	110.00
M-0072	Demarcation Stone (two line dressed for top 30 cm) 90 x 15 x 15 cm	Each	99.90
M-0073	Demarcation Stone with letter cut 75 x 15 x 15cm	Each	123.20
M-0074	Edge Stone 45 x 15 x 15 cm	Each	56.00
M-0075	T.R.S. Bench mark stone the exposed surface neatly dressed to a height of 15cm including cutting letters 15 x 15 x 60cm	Each	141.40
M-0076	T.R.S. Bench mark stone the exposed surface neatly dressed to a height of 15cm including cutting letters 10 x 10 x 25cm	Each	102.00
M-0077	Guard Stone (Two line dressed for 45 cm) 23cm dia 1.0m long	Each	163.60
M-0078	Guard Stone (Top 0.7m chisel dressed and 0.50m bottom roughly dressed) 0.23 x 0.23 x 1.20m long. Two line dressed top 45cm) 23cm dia 1.0m long	Each	174.70
M-0079	Guard Stone (Top 0.7m chisel dressed and 0.50m bottom roughly dressed) 0.23 x 0.23 x 0.90m long. Two line dressed top 45 cm) 23cm dia 0.90m long	Each	163.60
M-0080	Guard Stone (Top 0.7m chisel dressed and 0.50m bottom roughly dressed) 0.15 x 0.15 x 0.90m long. Two line dressed top 45 cm) 23cm dia 0.90m long	Each	114.10
M-0081	Guard Stone 23cm dia 0.90m long	Each	84.20
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-II – Rates of Materials" is exclusive of all taxes and GST.		

## ANNEXURE-III

### III. RATES OF WORKS

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>A. Clearing the Site</b>		
W-0006	Removing Weeds in Channel and Drain	sqm.	2.26
	<b>B. Dismantling</b>		
	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls		
W-0019	Cut Stone Slab over culverts upto 3.3m height below GL	cum.	1179.20
W-0020	Cut Stone Slab over culverts over 3.3m height below GL	cum.	1229.80
W-0030	Dry Stones Apron or Revetment, stacking within 40m lead	cum.	131.56
W-0031	Grouted Stones Apron or Revetment, stacking within 40m lead	cum.	153.56
W-0032	Dry Stone Masonry Walls	cum.	111.98
	<b>C. Quarrying and Blasting</b>		
W-0043	Hard rock measured in solid including blasting & stacking	cum.	871.53
W-0044	Removing hard rock by wedging, chiseling and trimming to proper shape where blasting is prohibited.	cum.	1741.30
W-0045	Medium rock and dense medium rock requiring blasting	cum.	443.30
W-0046	Extra for every additional 10m lead or part thereof over the initial lead for blasted materials	cum.	10.34
W-0047	Extra for every additional 1m lift or part thereof over the initial lift of 2m for blasted materials	cum.	10.67
W-0048	Benching, hard rock upto an average 10 cm depth	sqm.	843.70
W-0049	Drilling holes in hard granite 40mm diameter	RM	278.08
W-0050	Drilling holes in hard granite 45mm diameter	RM	326.04
W-0051	Drilling holes in hard granite 50mm diameter	RM	391.05

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0052	Drilling holes in hard granite 75mm diameter	RM	444.40
W-0053	Drilling holes in hard granite 32mm diameter	RM	236.16
WR-W0001	Breaking, removing and stacking for pre measurements of hard rock requiring blasting by the way of silent blasting using approved rock disintegrating chemicals/ rock splitting materials by drilling holes to appropriate depth of not more than 1.5m with required spacing. The drilled hole should be properly cleaned using air/water compressor so as to receive the freshly prepared chemical slurry and filling the slurry within stipulated time. The depth of slurry filling should be made upto 15 mm from top surface and to be covered using tarpaulins. The rate includes cost of materials tools and plants, equipments, mobilizing, transferring from one place to another with all accessories and operating all the tools and plants for secondary braking, watering, excavating the rock portion including lifting, loading and using electricity power or diesel generator, conveyance and depositing the same away from the work site at a required distance from the excavated area and without obstruction to the work as specified by departmental officers with an initial lead of 10m and initial lift of 2m including all incidental charges, fuel charges to all machines, hire charges, crew charges completely compiling with standard specifications and as directed by departmental officers.	cum.	3700.00
WR-W0002	Breaking, removing and stacking for pre-measurements of existing hard rock to the required depth by cutting, drilling, breaking by using suitable special type cutting equipments with heavy breaker / diamond saw cutting machines / wire type saw machine with diamond impregnated beads wire / rock disintegrating chemicals / rock splitter / mounded breaking, wedging, chiseling trimming to proper shape where blasting is prohibited and without any environmental hazard, any vibrations and disturbance to the nearby any existing structures. The rate includes mobilizing transferring from one place to another / re-installing from one place to another / re-installing with all accessories & operating all the required materials, tools & plants viz suitable crane & drilling holes on the existing rock strata connecting the diamond cutting rope to the machine and also lifting, loading, conveying tackles along with the required labourers, electricity / DG power or Generator, watering and excavating the rock portion and depositing the same at a distance from the excavated area away from the work without obstruction to the work as specified by the departmental officers with all leads & lifts and traffic, including all incidental charges, fuel charges to all machineries, hire charges, crew charges etc complete complying with standard specifications and as directed by the department officers.	cum.	10000.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
WR-W0003	Disposal of blasted Hard rock(excluding GST, Seigniorage and Green toll tax)	cum.	51.40
	<b>D. Earth Work</b>		
W-0054	ORDINARY SOIL (SS20A) Earth work excavating and depositing on bank with initial lead of 10m & initial lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil sandy loam and ordinary soil including excavated earth (SS20A)	cum.	90.20
W-0057	Trimming the bed and the side slope of the bank in all soils except hard rock upto a thickness of 7.5 cm and making it ready to receive the concrete	sqm.	20.85
W-0058	Trimming the bed and the side slope of the bank in all soils except hard rock upto a thickness of 7.5 cm to 15 cm and making it ready to receive the concrete	sqm.	25.36
W-0059	Sectioning during forming bunds when earth moving machinery, lorries and rollers are used for consolidation.	cum.	15.29
W-0060	HGS SS.20.A. Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders SS.20.A.	cum.	131.29
W-0067	Breaking clods, consolidating and sectioning	cum.	7.32
W-0068	Breaking clods, consolidating and sectioning the earth scooped by Bull Dozers.	cum.	22.66
	<b>Add to relevant T.N.D.S.S. No.20.A, rates for new tank bunds and closing breaches for extra watering and consolidation</b>		
W-0069	By hand roller	cum.	25.25
W-0070	By power roller including hire charges	cum.	42.85
W-0071	Benching Old Embankment Slopes 45cm x 45cm	sqm.	4.62
W-0072	Puddle wall work	cum.	203.67
W-0073	Turfing in slopes including watering and fixing with initial lead upto 50m	sqm.	42.85

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>E. Open Well Excavation</b>		
W-0082	Sinking well in loose soils, light black cotton soil, sandy loam and ordinary soil under water including bailing or pumping charges if necessary etc., complete - First depth of 2 metres	cum.	127.60
W-0083	Sinking well in Sand, including bailing or pumping charges if necessary etc., complete - First depth of 2 metres	cum.	179.14
W-0084	Sinking well in hard stiff clay, light black cotton soil, hard red earth, shales, murrum, gravel, stoney earth, and earth mixed with small size boulders and hard gravelly soil including bailing or pumping charges if necessary etc., complete - First depth of 2 metres	cum.	179.14
	<b>F. Rate for Earth Work Deploying Machinery</b>		
WR-W0004	Removal of sludge, slush, silt, debris, plastic waste, water weeds, using appropriate special machineries like dredger along the cutter section having maximum capacity of 300cum solids per hour which can dredge to a maximum of 8.00m depth and dispose the dredged material to a maximum of 4Km on either one of the outer slope of river banks whichever is convenient as per the prevailing site conditions for easy conveyance and jungle clearance by pumping operation along with suitable pipeline and other required accessories with other mechanical devices for the entire stretch to reach the bank. the rates including cost of transportation, Mobilization and demobilization of machinery, hire charges, cost of fuel, labour charges for surveying and operation of dredger, crew and other related works etc.	cum.	485.00
WR-W0005	Regradingtheriverbedincludingjungleclearancedeploying the heavy machinery on hour basis including cost of hire charges, fuel, labour etc complete complying with standard specifications and as directed by departmental officers  (a) for regrading 150 cum. using dozer D-80-A12	per hour	3814.00
WR-W0006	(b) for regrading 100 cum. using dozer D-50-A15	per hour	2470.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
WR-W0007	Earth work excavation for desilting the existing rivers / canals / channels/odai/ nullas / drains/flood bowls/ tanks/ reservoirs etc., consisting of very loose soil, silt, oily silt, slushy, marshy, loamy, organic soil, sea shell and flat mica particles with zero present air void in unhygienic & insanitary conditions in under water and not under water deploying earth moving machinery with suitable floats buoys barge/ hydraulic excavator & other mechanical devices including the cost of hire charges for machinery, with cost of skilled operators with helper & cleaners for the entire operations to reach the banks in which the removed silt & sludge has to be dumped over either one of the rivers / canals / channels/odai/ nullas / drains/floods bowls / tanks / reservoirs etc, bank whichever is convenient as per the prevailing site conditions for easy conveyance and including jungle clearance etc.. complete (Rate excluding conveyance to dumping yard or low lying area)	cum.	106.00
WR-W0008	Rate for every additional shift to reach bank lying more than 8m	cum.	32.65
WR-W0009	Rate for shifting the De silted Earth: Conveying the excavated silt in unhygienic & insanitary conditions to the dumping yard or low lying areas as directed by the field Engineer's by deploying the earth moving machinery, hydraulic excavator, tippers & other mechanical devices including the cost of hire charges for machinery, with cost of skilled operators with helper & cleaners, including leveling etc..	cum.	31.40
WR-W0010	Conveyance by roads in plains 0 to 10 km including Loading unloading and transportation charges	cum.	205.00
	<b>L. Miscellaneous</b>		
W-0115	Supplying and filling up the empty cement gunny bags with sand, stitching them, conveying the same to site and stacking as directed within a lead of 10 m excluding cost of bags, Jute, thread, needle, sand etc., (Labour only)	Bag	9.41
W-0116	Driving piles up to 15 cm dia in river bed	RM	29.70
W-0117	Pointing the edge and driving bamboo / casurina / eucalyptus piles into river bed for the first 1m depth below ground level.	Each	25.36

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
W-0118	Driving bamboo / casurina / eucalyptus piles into ground beyond 1m depth from ground level. For every 1m (or) part thereof	RM	25.36
	<b>M. River Conservancy of Korambu Works</b>	-	
W-0119	Brush wood bundles one metre girth and one metre long within an initial lead of 1.6 K.M.	one bundle	4.79
W-0120	Extra for every additional lead of 1.6K.M (for the above item)	one bundle	0.57
W-0121	Driving casurina piles into bed including scaffolding etc., complete	RM	12.27
W-0122	Casurina walling pieces 40 mm to 50 mm diameter including fixing with nails and tying with ropes	RM	17.16
	<b>P. Breaking Metals</b>		
W-0159	Labour charges for breaking 40mm metal from departmental blasted stones	cum.	446.71
W-0160	Labour charges for breaking 20mm metal from departmental blasted stones	cum.	668.36
W-0161	Labour charges for breaking 50mm metal from departmental blasted stones	cum.	268.07
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "Annexure-III – Rates of Works" is exclusive of all taxes and GST.		
<b>FOOT NOTE:</b>			
<b>DISMANTLING</b>			
1	For dismantling 0.75m below ground level 25% extra over the basic rates (i.e. the rates already available in the Schedule of Rates for dismantling is allowed).		
2	The rate of dismantling lime concrete, cement concrete and reinforced cement concrete are exclusive of bailing out water charges. The rate is same in all floors.		
3	Add 25% extra for cause of restricted partial dismantling in existing structures where extra care is required for safeguarding the main structure.		
<b>QUARRYING AND BLASTING - APPLICABLE FOR UNIQUE CODE W-0043 &amp; W-0044</b>			
1	The deduction of 40% is to be made for the quantity of voids on stock measurement and payment is for the lesser of the two viz. solid measurement (or) stock measurement minus 40% of stock measurement for voids.		

2	The rates for extra leads and lifts are on the quantity as per soil measurements or stock measurements less 40% for voids whichever is less. These rates are applicable for head load only. The Notes 3, 4, 5 under (D) Earth Work shall be applicable to W-0043, W-0044 and W-0045
<b>EARTH WORK</b>	
1	Standard specification No.20A requires breaking clods, ramming and sectioning of soil bank and compacting by watering and consolidation in accordance with TNBP.
2	Standard specification No.20B does not requires breaking clods, ramming, sectioning but require neat banking in accordance with the standard specifications.
3	Double the relevant rate for standard specification No.20B will apply to excavation in all soils and rock classification given above for foundation of buildings, abutments, piers, wings and returns of bridges, culverts, sluices, regulators and cross masonry works, retaining walls, toe walls, cut-off walls and body walls of anicuts, weirs, retaining walls of causeway, bed dams, trenches for water supply and drainage works for laying pipes and sewers, pits and avenue trees, trial pits and pits for poles and towers and toe wall for revetment.
4	Cost of De-watering in open excavation should be restricted to 10% of cost of excavation
5	An extra 50% over the rate of ordinary excavation in all soils, the rock classification given above shall be allowed for drains, channels and canal having bed width 1.25 metre and below. The extra percentage is applicable only for depth upto 2 metre; the depth being measured from the bottom of excavation.
6	An extra 25% over the rate of ordinary excavation in all the soils and rock classification given above shall be allowed for drains, channels and canal having bed width 1.25 metre to 2 metre. The extra percentage is applicable only for depth upto 2 metre. The depth being measured from the bottom of excavation.
<b>OPEN WELL EXCAVATION</b>	
1	Upto 2 metre diameter of wall 10% excess will be allowed over the basic rates of open well excavation.
2	The rates do not include bailing charges. The de-watering is to be done departmentally. 10% of cost of excavation shall be allowed for de-watering for estimate purpose. Actuals (or) 10% wherever is less to be allowed for de-watering charges. For any expenditure above this percentage, prior approval of the Superintending Engineer should be obtained.
3	For open well excavation for rates upto 12 metre depth, the progress should be X, 2X, 3X, 4X, 5X, 6X and for rates beyond 12 metre depth, the progress should be 8X, 10X, 12X, 14X, 16X & so on.
<b>SINKING OF WELLS</b>	
1	For sinking of wells 20% excess will be allowed over the basic rates for wells of diameter 3 metre and above.
2	For well sinking for rates upto 12 metre depth, the progress should be Y, 2Y, 4Y, 6Y, 8Y and 10Y and for rates beyond 12 metre depth, the progress should be 13Y, 16Y, 19Y and so on.
3	The rates of sinking wells will apply when sinking is underwater at the initial depth itself. If water is met with at a lower depth, the rate applicable for open excavation shall be adopted upto the depth at which the water is met with. Beyond that the rate for the portion underwater shall be the rate for the previous stage under open well excavation plus 2Y.

4	A schematic working sheet for open well excavation and sinking of wells for deriving the rates is given below:	
	Open Well	Depth in metres
	X	2
	2X	4
	3X	6
	4X	8
	5X	10
	6X - 12 metre	12
	8X	14
	10X and so on	16
	Note: X - Basic rate for open well excavation	
	Note: Y - Basic rate for sinking well	

**ANNEXURE-IV**

**RATES OF MODERN TECHNIQUES**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
	<b>I. RATES OF MATERIALS</b>		
	<b>Geogrids</b>		
M-2237	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction	sqm.	106.00
M-2238	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20 kN/m in the longitudinal and transverse direction	sqm.	121.00
M-2239	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30 kN/m in the longitudinal and transverse direction	sqm.	196.00
M-2240	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40 kN/m in the longitudinal and transverse direction	sqm.	291.00
M-2241	Synthetic Geogrid having Ultimate Tensile Strength 100 kN /m	sqm.	233.00
M-2242	Synthetic Geogrid having Ultimate Tensile Strength 150 kN /m	sqm.	243.00
M-2243	Synthetic Geogrid having Ultimate Tensile Strength 200 kN /m	sqm.	339.00
M-2244	Synthetic Geogrid having Ultimate Tensile Strength 250 kN /m	sqm.	376.00
M-2245	Synthetic Geogrid having Ultimate Tensile Strength 300 kN /m	sqm.	386.00
M-2246	Synthetic Geogrid having Ultimate Tensile Strength 350 kN /m	sqm.	392.00
M-2247	Synthetic Geogrid having Ultimate Tensile Strength 400 kN /m	sqm.	503.00
M-2248	Synthetic Geogrid having Ultimate Tensile Strength 500 kN /m	sqm.	567.00
M-2249	Synthetic Geogrid having Ultimate Tensile Strength 600 kN /m	sqm.	583.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
M-2250	Synthetic Geogrid having Ultimate Tensile Strength 700 kN /m	sqm.	726.00
M-2251	Synthetic Geogrid having Ultimate Tensile Strength 800 kN /m	sqm.	795.00
M-2252	Synthetic Geogrid having Ultimate Tensile Strength 900 kN /m	sqm.	954.00
M-2253	Synthetic Geogrid having Ultimate Tensile Strength 1000 kN /m	sqm.	1086.00
M-2254	Synthetic Geogrid having Ultimate Tensile Strength 1100 kN /m	sqm.	1060.00
M-2255	Synthetic Geogrid having Ultimate Tensile Strength 1200 kN /m	sqm.	1153.00
	<b>Drainage Composite</b>		
M-2256	Geosynthetic Drainage with <b>Two Filtering Non-woven Geotextiles</b> having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven Geotextiles of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure, tensile strength of 18 kN/m with mass per unit area of 740 gsm.	sqm.	561.00
M-2257	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlaid ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven Geotextiles having mass per unit area 130 g/m <sup>2</sup> and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (ms) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m with mass per unit area of 830 gsm,.	sqm.	667.00
	<b>II. RATES OF WORKS</b>		
	<b>A. Geosynthetics - Geotextiles</b>		
W-0171	Providing and laying <b>Woven</b> Geotextiles of <b>Type-I</b> on the prepared subgrade as the separator cum reinforcement with necessary overlap as per drawing and as per MORTH Specification 702	sqm.	156.00
W-0172	Providing and laying <b>Woven</b> Geotextiles of <b>Type-II</b> on the prepared subgrade as the separator cum reinforcement with necessary overlap as per drawing and as per MORTH Specification 702	sqm.	144.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0173	Providing and laying <b>Woven</b> Geotextiles of <b>Type-III</b> on the prepared subgrade as the separator cum reinforcement with necessary overlap as per drawing and as per MORTH Specification 702	sqm.	130.00
W-0174	Providing and laying needle punched and mechanically bonded <b>Non-woven</b> Geotextiles of <b>Type-I</b> indigenously manufactured from high quality fibres on the prepared subgrade for separation as per MORTH Specification 702	sqm.	148.00
W-0175	Providing and laying needle punched and mechanically bonded <b>Non-woven</b> Geotextiles of <b>Type-II</b> indigenously manufactured from high quality fibres on the prepared subgrade for separation as per MORTH Specification 702	sqm.	132.00
W-0176	Providing and laying needle punched and mechanically bonded <b>Non-woven Geotextiles</b> of <b>Type-III</b> indigenously manufactured from high quality fibres on the prepared subgrade for separation	sqm.	116.00
<b>B. Geosynthetics - Geomembranes</b>			
W-0177	Supplying and laying of <b>HDPE</b> Geomembrane <b>750 micron</b> thickness of smooth surfaces on both sides / only one face textured. The width of geomembrane roll shall not be less than 4.5m at easily accessible location including top and bottom with all leads and lifts manpower and machinery, materials labour etc, complete and as directed by Engineer-in-Charge as per MORTH Specification 701	sqm.	143.00
W-0178	Supplying and laying of <b>HDPE</b> Geomembrane <b>1000 micron</b> thickness of smooth surfaces on both sides / only one face textured. The width of geomembrane roll shall not be less than 4.5m at easily accessible location including top and bottom with all leads and lifts, manpower materials and machinery labour etc, complete and as directed by Engineer-in-Charge as per MORTH Specification 701	sqm.	172.00
W-0179	Supplying and laying of <b>HDPE</b> Geomembrane <b>1500 micron</b> thickness of smooth surfaces on both sides / only one face textured. The width of geomembrane roll shall not be less than 4.5m at easily accessible location including top and bottom with all leads and lifts, manpower materials and machinery labour etc, complete and as directed by Engineer-in-Charge as per MORTH Specification 701	sqm.	200.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>C. Geogrids</b>		
	Supplying and laying high strength flexible <b>Geogrids (HSFG)</b> as soil reinforcement / basal reinforcement as per MORTH 3100 and IRC 113, made of high tenacity polyester core with polyethylene coating with Minimum Long Term Design Strength (LTDS) of more than 50% of Ultimate Tensile Strength at 30 degree celsius corresponding to 12% strain		
W-0180	Ultimate Tensile Strength - 100 kN/m	sqm.	368.00
W-0181	Ultimate Tensile Strength - 150 kN/m	sqm.	384.00
W-0182	Ultimate Tensile Strength - 200 kN/m	sqm.	524.00
W-0183	Ultimate Tensile Strength - 250 kN/m	sqm.	579.00
W-0184	Ultimate Tensile Strength - 300 kN/m	sqm.	595.00
W-0185	Ultimate Tensile Strength - 350 kN/m	sqm.	602.00
W-0186	Ultimate Tensile Strength - 400 kN/m	sqm.	766.00
W-0187	Ultimate Tensile Strength - 500 kN/m	sqm.	860.00
W-0188	Ultimate Tensile Strength - 600 kN/m	sqm.	883.00
W-0189	Ultimate Tensile Strength - 700 kN/m	sqm.	1094.00
W-0190	Ultimate Tensile Strength - 800 kN/m	sqm.	1195.00
W-0191	Ultimate Tensile Strength - 900 kN/m	sqm.	1429.00
W-0192	Ultimate Tensile Strength - 1000 kN/m	sqm.	1624.00
W-0193	Ultimate Tensile Strength - 1100 kN/m	sqm.	1585.00
W-0194	Ultimate Tensile Strength - 1200 kN/m	sqm.	1722.00
W-0195	Supplying and laying of Bi-Axial Extruded High Modulus Polypropylene Geogrids conforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum <b>Tensile Strength 15 kN/m</b> in the longitudinal and transverse direction, with 5kN/m and 7kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm x 38mm mesh opening	sqm.	181.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0196	Supplying and laying of Bi-Axial Extruded High Modulus Polypropylene Geogrids conforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum <b>Tensile Strength 20 kN/m</b> in the longitudinal and transverse direction, with 7 kN/m and 14 kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm x 38mm mesh opening	sqm.	205.00
W-0197	Supplying and laying of Bi-Axial Extruded High Modulus Polypropylene Geogrids conforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum <b>Tensile Strength 30 kN/m</b> in the longitudinal and transverse direction, with 10.5 kN/m and 21kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm x 38mm mesh opening	sqm.	314.00
W-0198	Supplying and laying of Bi-Axial Extruded High Modulus Polypropylene Geogrids conforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum <b>Tensile Strength 40 kN/m</b> in the longitudinal and transverse direction, with 14 kN/m and 28 kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm d 38mm mesh opening	sqm.	454.00
W-0199	Providing and laying <b>Fibreglass</b> Geogrids of <b>Tensile Strength - 50 kN/m</b> manufactured from high quality fibre glass strands and coated with a polymer modified bitumen as reinforcement to asphalt overlay flexible pavements and asphalt over distressed grid PCC as per MORTH Specification 708	sqm.	159.00
W-0200	Providing and laying <b>Fibreglass</b> Geogrid of <b>Tensile Strength - 100 kN/m</b> manufactured from high quality fibre glass strands and coated with a polymer modified bitumen as reinforcement to asphalt overlay flexible pavements and asphalt over distressed grid PCC as per MORTH Specification 708	sqm.	257.00
	<b>D. Geosynthetic Clay Liners (GCL)</b>		
W-0201	Supplying and laying of 6.5mm thick GCL consisting of a layer of bentonite encapsulated between two nonwoven polypropylene needle punched Geotextiles with 11 kN/m tensile strength in longitudinal direction and 4200 g/me bentonite content. The width of GCL roll shall not be less than 4.55m at easily accessible location including top and bottom with all leads and lifts manpower and machinery materials labour etc complete and as directed by Engineer-in-Charge as per MORTH Specification 700	sqm.	452.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0202	Supplying and laying of 5mm thick GCL consisting of a layer of bentonite encapsulated between two nonwoven polypropylene needle punched Geotextiles with 11.7 kN/m tensile strength in longitudinal direction and 3000 g/me bentonite content. The width of GCL roll shall not be less than 5m at easily accessible location including top and bottom with all leads and lifts manpower and machinery materials labour etc complete and as directed by Engineer-in-Charge as per MORTH Specification 700	sqm.	436.00
	<b>E. Drainage Composite</b>		
W-0203	Supplying and laying of drainage composite for use behind walls, between two different fills, alongside-drains of road, below concrete lining of canals etc. Geocomposite for planar drainage, realized by thermo bonding a draining core in extruded monofilaments with two filtering nonwoven Geotextiles that may also be working as separation or protecting layers. The draining three dimensional core will have a “W” configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven Geotextiles of minimum thickness of 0.75mm characteristic opening size (O90) of 110 micron and tensile strength of 8.0 kN/m that will be working as separation or protecting layer, Geocomposite having in plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 18 kN/m with mass per unit area of 740 gsm, supplied in the form of roll for easy transportation to site of work as per detailed specification all complete as per directions of Engineer-in-Charge	sqm.	852.00
W-0204	Supplying and laying of drainage composite for use behind walls, between two different fills, alongside drains of road, below concrete lining of canals etc. having thermobonding a draining core – HDPE geonet comprises of two sets of parallel overlaid ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven Geotextiles having mass per unit area 130 gsm and tensile strength of 8.0 kN/m that will be working as separation or protecting layer, Geocomposite having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm, at easily accessible location including top and bottom, with all leads and lifts, materials, manpower and machinery, materials, labour etc., complete and as directed by Engineer-in-Charge	sqm.	1008.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>VI. Gabion</b>		
W-0205	Providing and making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire Mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10 x 12 (D=100mm with tolerance of $\pm 2\%$ ) <b>Zinc Coated, Mesh Wire</b> diameter 3.0 mm, mechanically edged / selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-Charge	cum.	3447.00
W-0206	Providing and making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire Mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh type 10 x 12 (D=100mm with tolerance of $\pm 2\%$ ) <b>Zinc + PVC Coated</b> , Mesh wire diameter 2.7 / 3.7mm, mechanically edged / selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2 / 3.2mm (ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-Charge	cum.	3673.00
W-0207	Providing and making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire Mesh Gabion Boxes as per IS 16014:2018, SP 116:2018 of required size, Mesh type 10 x 12 (D=100mm with tolerance of $\pm 2\%$ ), <b>Zinc + 10% Aluminium Alloy + PVC Coated</b> , Mesh Wire diameter 2.7 / 3.7mm (ID/OD), mechanically edged / selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2 / 3.2mm (ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200mm, as per drawing, all complete as per directions of Engineer-in-Charge	cum.	4201.00
W-0208	Arranging and conducting cadastral / land survey including waterlogged area underwater profile for establishing of boundaries of the river banks, roads, existing spot (grid size 20m x 50m) level on upstream and downstream of proposed structure alignment to a distance of 300m and 200m respectively, taking cross section at 250m interval and longitudinal section at 100m interval, contour to the area of 24 sq.km. and plotting of survey points of the proposed structure including transportation of necessary equipment to the site, etc., complete as directed by the Departmental Officers	sq. km.	13750.00

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
W-0209	Carrying out topographical survey using DGPS / HRSI Image / Drone / Modern Technology latest equipment integrated with latest technologies and preparation of river area maps. A. Superimposing, Othomosaic (<3.6cm / pixel), DEM, DSM in GIS Format B. GC at every 250m grid C. Superimposing Village Map D. 1m Contours E. 5 x 5m RL Levels F. All format soft copy	sq. km.	74500.00
<b>NOTE:</b>			
1	The Basic Rate adopted under this Head, "ANNEXURE-IV - Rates of Modern Techniques" is exclusive of all taxes and GST		

**ANNEXURE-V****RATES FOR HYDROMECHANICAL WORKS**

<b>I.</b>	<b>RATES OF LABOUR</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-L0001	Foreman/supervisor/site engineer with minimum 5 years experience	1 shift	2400.00
WR-L0002	Fitter Gr I	1 shift	1664.00
WR-L0003	Fitter Gr II	1 shift	1498.00
WR-L0004	Fabrication/Fitup helper	1 shift	915.00
WR-L0005	Gas cutter/marker	1 shift	998.00
WR-L0006	Marking helper	1 shift	882.00
WR-L0007	Grinder	1 shift	998.00
WR-L0008	Welder Gr I	1 shift	1331.00
WR-L0009	Welder Gr II	1 shift	1248.00
WR-L0010	Welder GR III	1 shift	1165.00
WR-L0011	Welding helper	1 shift	915.00
WR-L0012	Erection helper	1 shift	957.00
WR-L0013	Heavy Mazdoor	1 shift	1498.00
WR-L0014	Turner Gr I	1 shift	1664.00
WR-L0015	Turner Gr II	1 shift	1331.00
WR-L0016	Turner Helper	1 shift	998.00
WR-L0017	Electrician Gr I	1 shift	1664.00
WR-L0018	Electrician Gr II	1 shift	1498.00
WR-L0019	Electrician helper	1 shift	998.00
WR-L0020	Blaster I	1 shift	1997.00
WR-L0021	Blaster II	1 shift	1664.00
WR-L0022	Blasting helper	1 shift	1331.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-L0023	Paint Applicator Gr I	1 shift	1997.00
WR-L0024	Paint Applicator Gr II	1 shift	1664.00
WR-L0025	Painting helper	1 shift	1331.00
<b>NOTE :</b>			
1)	The rates of labour means the labour rates fixed under the head "Rates of labour".		
2)	The basic rates adopted under this head "Annexure 1- Rates of labour" is exclusive of GST.		
3)	The rates of labour other than those mentioned above shall be adopted from the schedule of rates issued by the Engineer-in-Chief, Chief Engineer, (General) Chief Engineer, Chennai region, WRD, Chennai-5.		
4)	The extra percentage provided are only applicable on the rates of labour specified in SOR		
5)	Any other percentage of increase given for specified reasons like dams with life of more than 50 years, risk allowance due to labour, working in hanging condition, degree of corrosion, level of pollution, etc should be considered separately.		

<b>II.</b>	<b>RATES OF MATERIAL</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-M0001	Acetylene	cum.	525.00
WR-M0002	Airless spray gun tip and metal washers	1 set	6818.00
WR-M0003	Alloy steel	Kg.	488.00
WR-M0004	Auto weld coil	Kg.	1500.00
WR-M0005	Auto weld flux	Kg.	690.00
WR-M0006	Brake drum coupling	No.	51000.00
WR-M0007	Carbon steels	Kg.	340.00
WR-M0008	Centre joint rubber seal	RM	1640.00
WR-M0009	Coal tar epoxy paint	Litre	575.00
WR-M0010	Composite chequered plate	sqm.	24000.00
WR-M0011	Core cut bit	No.	6300.00
WR-M0012	Corner rubber seal	Nos.	2800.00
WR-M0013	Degreasing/derusting/phosphating	Litre	770.00
WR-M0014	Dial gate position indicator	No.	210000.00
WR-M0015	Diesel	Litre	100.00
WR-M0016	Dog clutch	No.	19677.00
WR-M0017	Electromagnetic brake	No.	34000.00
WR-M0018	Enamel Thinner	Litre	150.00
WR-M0019	Epoxy primer paint	Litre	950.00
WR-M0020	Epoxy thinner	Litre	400.00
WR-M0021	Ferro-Nickelweld electrode	No.	60.00
WR-M0022	Flat type rubber seal	RM	820.00
WR-M0023	Gate - FRP composite	m <sup>2</sup>	48000.00
WR-M0024	Gear motor heavy duty	No.	40000.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-M0025	Gear oil (high viscosity)	Litre	420.00
WR-M0026	General purpose electrode	No.	19.00
WR-M0027	GI bolts & nuts	No.	100.00
WR-M0028	75mm woRM gear	No.	279400.00
WR-M0029	GI pipe	RM	795.00
WR-M0030	Grease	Kg.	580.00
WR-M0031	Grey iron castings	Kg.	101.00
WR-M0032	Grinding wheel	No.	580.00
WR-M0033	Groove channel - FRP composite	RM	18000.00
WR-M0034	Headset - FRP composite	No.	24000.00
WR-M0035	Hoist bearing	No.	21796.00
WR-M0036	HT Bolts & nuts coated	No.	235.00
WR-M0037	Limit switch	No.	3500.00
WR-M0038	Low hydrogen electrode	No.	24.00
WR-M0039	Metalizing wire coil	Kg.	1350.00
WR-M0040	Micaceous iron oxide paint intermediate coat	Litre	960.00
WR-M0041	Mig weld coil	Kg.	1500.00
WR-M0042	Motor heavy duty with double end shaft	No.	119948.00
WR-M0043	Ms Bolts & nuts coated	No.	105.00
WR-M0044	MS chequered plate	Kg.	68.00
WR-M0045	MS Pipes	Kg.	212.00
WR-M0046	Non-ferrous alloy casting	Kg.	1117.00
WR-M0047	Oxygen gas	cum.	110.00
WR-M0048	P type rubber seal	RM	1400.00
WR-M0049	Paddle shutter - FRP composite	m <sup>2</sup>	42600.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-M0050	Pin bush coupling	No.	15614.00
WR-M0051	Plates/flats - Mild Steel	Kg.	68.00
WR-M0052	Plug-FRP composite	No.	15700.00
WR-M0053	Plummer block	No.	14451.00
WR-M0054	Polyurethane paint	Litre	740.00
WR-M0055	Reinforced panels - FRP composite	sqm.	14000.00
WR-M0056	Rods-Mild Steel	Kg.	66.00
WR-M0057	Roller bearing	No.	33688.00
WR-M0058	Roofing sheet	sqm.	730.00
WR-M0059	Rope socket	No.	36000.00
WR-M0060	Servo coat/cadium compound	Litre	480.00
WR-M0061	Sleeve	No.	1143.00
WR-M0062	Solvent, penetrant, Developer each 400ml container (LPI kit)	1 set	2850.00
WR-M0063	SS Bolts & nuts	No.	281.00
WR-M0064	SS plate/flats	Kg.	316.00
WR-M0065	Stainless steel electrode	No.	70.00
WR-M0066	Starter box heavy duty with forward & reverse	No.	76000.00
WR-M0067	Steel Abrasive	Kg.	90.00
WR-M0068	Steel castings	Kg.	265.00
WR-M0069	Steel Wire rope	RM	1354.00
WR-M0070	Structurals - MS	Kg.	65.00
WR-M0071	Synthetic enamel paint	Litre	480.00
WR-M0072	Top channel - FRP composite	RM	2066.00
WR-M0073	Vernier coupling	No.	31400.00
WR-M0074	100mm woRM gear	No.	426800.00

WR-M0075	Weld mesh	m <sup>2</sup>	485.00
WR-M0076	Worm reducer	No.	241004.00
WR-M0077	Z type rubber seal	RM	1600.00
WR-M0078	Zinc chromate red oxide primer	Litre	230.00
<b>Note :</b>			
1	All materials/brought out components for embedded parts, gates, hoists and allied works shall conform to relevant Indian standards revised upto date/Technical specifications and approved drawings.		
2	Packing & forwarding charges may be considered at 3% on the total cost of material involved.		
3	The rates exclude wastage during handling, cutting due to design considerations for which 5% shall be allowed over the cost of material involved.		
4	The basic rate adopted under this head, Annexure II Rates of materials" is exclusive of all taxes & GST.		
5	The Rates of materials other than those mentioned above shall be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Chief Engineer (General) & Chief Engineer, Chennai Region, PWD, Chennai -5		

<b>III.</b>	<b>RATES OF HIRE CHARGES FOR PORTABLE TOOLS</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-H0001	III phase welding machine	Hour	80.00
WR-H0002	Gas cutting set	Hour	13.00
WR-H0003	Pug cutting machine	Hour	39.00
WR-H0004	Grinding machine	Hour	18.00
WR-H0005	Plasma cutting machine	Hour	101.00
WR-H0006	Auto welding machine	Hour	222.00
WR-H0007	Magnetic core cut machine	Hour	90.00
WR-H0008	Mother Oven	Hour	21.00
WR-H0009	Flask oven	Hour	7.00
WR-H0010	Airless spray machine	Hour	195.00
WR-H0011	Centrifugal grinding	Hour	1200.00
WR-H0012	Water jet machine	Hour	225.00
WR-H0013	Chain Pulley block	Hour	85.00
WR-H0014	Winch	Hour	610.00
WR-H0015	Turkey Posts	Hour	320.00
<b>NOTE:</b>			
1	The basic rate adopted under this head, "Hire Charges for Machinery" is exclusive of all taxes & GST		
2	The Rates of item other than those mentioned above shall be adopted from the Schedule of Rates issued by the Engineer - in- Chief, Chief Engineer(General) & Chief Engineer, Chennai Region, PWD, Chennai -5.		

<b>IV.</b>	<b>RATES OF HIRE CHARGES FOR MACHINERY</b>		
<b>Unique Code</b>	<b>Description of Machinery</b>	<b>Unit</b>	<b>Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)</b>
WR-H0016	Genset 40 KVA	Hour	1953.00
WR-H0017	Mobile crane	Hour	2156.00
WR-H0018	Telescopic crane	Hour	11287.00
WR-H0019	Plate shearing machine	Hour	1475.00
WR-H0020	Planing machine	Hour	2065.00
WR-H0021	Plate rolling machine	Hour	1495.00
WR-H0022	Hydraulic press	Hour	2500.00
WR-H0023	Radial drilling machine	Hour	1050.00
WR-H0024	Band saw	Hour	1050.00
WR-H0025	Lathe machine	Hour	1250.00
WR-H0026	Shaping machine	Hour	1200.00
WR-H0027	Diesel Compressor	Hour	2490.00
WR-H0028	Hobbing machine	Hour	2770.00
WR-H0029	Blasting tools (Hopper, Hose, Nozzle)	Hour	132.00
WR-H0030	Ultrasonic testing equipment	Hour	645.00
WR-H0031	Dry Film Thickness Gauge	Hour	350.00
WR-H0032	Profile Thickness gauge	Hour	350.00
WR-H0033	Heavy Goods Vehicle	Hour	2340.00
WR-H0034	Metalizing Equipment	Hour	900.00
<b>Note:</b>			
1	The hire charges includes depreciation, maintenance & repair charges, interest, crew & fuel charges.		
2	Fuel charges include, cost of diesel, oil & lubricants.		
3	Crew charges include wages of operator & helper, on shift basis.		
4	The basic rate adopted under this head, "Hire charges for machinery" is exclusive of all taxes & GST		
5	The Rates of items other than those mentioned above shall be adopted from the Schedule of Rates issued by the Engineer-in-Chief, Chief Engineer (General) & Chief Engineer, Chennai Region, PWD, Chennai -5		



**GOVERNMENT OF TAMIL NADU**

# **SCHEDULE OF RATES**

**2024-2025**

**[WITH EFFECT FROM 15.07.2024]**

## **VOLUME - II**

### **BASIC RATES (EXCLUDING GST & OTHER TAXES)**

<b>Volume - I</b>	<b>PWD   HIGHWAYS   WRD</b>	<b>332 Pages</b>
<b>Volume - II</b>	<b>TWAD   CMWSSB   TNUHDB   HR&amp;CE   HORTICULTURE</b>	<b>321 Pages</b>
<b>Volume - III</b>	<b>FORESTS   TANGEDCO   TANTRANSCO</b>	<b>350 Pages</b>

**GOVERNMENT OF TAMIL NADU**  
**SCHEDULE OF RATES FOR THE YEAR 2024-25**

**PREFACE**

To arrive at Schedule of Rates for the use of various departments under Government of Tamil Nadu, the Government of Tamil Nadu in G.O. (Ms).No 3, Public Works (G2) department, dated 14.03.2024 constituted a committee with Members comprising of Engineer in Chief and Chief Engineer (General), Public Works Department, Engineer in Chief and Chief Engineer (General), Water Resources Department, Director General, Highways Department, Principal Chief Conservator of Forest, Forest Department, Representative of Finance Department, Engineering Director, Tamil Nadu Water supply and Drainage Board, Engineering Director, Chennai Metropolitan Water Supply and Sewerage Board, Chief Engineer (Construction and Maintenance), Highways Department, Chief Engineer, Design Research & Construction Support, Water Resource Department, Chief Engineer, Tamil Nadu Generation and Distribution Corporation Limited and Chief Engineer, Tamil Nadu Urban Habitat Development Board. The Special invitees from various other Departments were also invited for discussion based on the requirement as decided by the Schedule of Rates Committee.

The prevailing market rates, Whole Sale Price Index of current year, TANCEM rate for Cement, SAIL rate for Steel, past five years data and various factors related to Rate of Materials, Rate of Labours, Rate of various items of work, Conveyance Table for various departments have been discussed and deliberated upon in several committee meetings. This Schedule of Rates includes existing items, deletion of few items which are not in use, addition of new items, and merger of similar items. After detailed deliberations and discussions, this Schedule of rates has been arrived at and approved by the committee for the year 2024-2025.

This Schedule of Rates is a comprehensive document that succinctly summarizes the standard rates and services required for construction projects which will be useful for departments in the preparation of estimates and deciding the Rate of Materials, Rate of Labours, Rate of various items of work. The contents of the Schedule of Rates are detailed below:

- Volume 1** Public Works Department, Highways Department and Water Resource Department.
- Volume 2** Tamil Nadu Water Supply and Drainage Board, Chennai Metropolitan Water Supply and Sewerage Board, Tamil Nadu Urban Habitat Development Board, Hindu Religious and Charitable Endowments Department and Tamil Nadu Horticulture Development Agency
- Volume 3** Forests Department, Tamil Nadu Generation and Distribution Corporation Limited and Tamil Nadu Transmission Corporation Limited.

  
For **Committee**  
(Engineer - in - Chief &  
Chief Engineer (General), PWD,  
Chepauk, Chennai-5)

**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME I**

**(PUBLIC WORKS DEPARTMENT, HIGHWAYS DEPARTMENT & WATER RESOURCES DEPARTMENT)**

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**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME II**

**(TWAD, CMWSSB, TNUHDB, HR & CE AND HORTICULTURE DEPARTMENT)**

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**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME III**

**(FOREST, TANGEDCO AND TANTRANSCO DEPARTMENT)**

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**TAMILNADU WATER SUPPLY  
AND DRAINAGE BOARD  
(TWAD)**

### Structure for Unique Item Codes

Item Code	Item Type
WD	Tamil Nadu Water Supply and Drainage Board
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "WD-A1234" mentioned in the 'Unique Code' column in each sheet

## **1. GENERAL NOTES**

1. For items not covered in the schedule of rates, the Superintending Engineer can fix the rates based on the lowest sealed quotations duly observing all the departmental formalities under intimation to the concerned Chief Engineer and Head Office.

2. For special nature of works, for which rates are not covered in the Schedule of Rates separate schedule of rates issued by the respective Officers / Department / Board are to be followed.

3. Extra percentage other than those for the specified areas noted below, shall not be allowed.

4. The labour rates are applicable for construction activities only and not for operation and maintenance of WSS/ UGSS schemes.

5. The wages paid to the labourers for operation and maintenance of WSS/ UGSS schemes should not be less than minimum wages as per the G.O issued by the Labour and Employment Department and as amended from time to time. In case the contractor engaged the labourers already worked in the CWSS, the wages already paid to the labourers should not be reduced at any cost.

### **6. Special Nature of Works**

- I. i) 5 times over the basic rates for earthwork excavation for leak rectification works is allowed.  
ii) If the works are done (leak rectification works) in odd hours (i.e) 8.00PM to 8.00AM of the next day, 7.50 times over the basic rate is allowed.
- II. For individual footings of the service reservoirs, valve pits, Manholes in UGSS double the relevant rate for earthwork excavation is allowed.
- III. An extra 5% is allowed for laying of sewers under UGSS for earthwork excavation alone below 4m depth.

### **7. LEAD**

- I. District-wise average lead may be approved by the concerned Chief Engineers based on the approved quarry by the PWD for CWSS.  
Lead for respective local body such as Town panchayats, Municipalities and Corporation
- II. may be adopted separately for the stand alone water supply schemes/ UGSS and approved by the Executive Engineers concerned.

**I. RATES FOR MATERIALS**  
**(A. PIPES AND VALVES)**

**1.0 UN PLASTICIZED PVC PIPES FOR POTABLE WATER SUPPLY AS PER  
IS 4985 /2000**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
<b>I</b>	<b>4KSC</b>		
WD-M0001	63mm	Metre	53.60
WD-M0002	75mm	Metre	73.10
WD-M0003	90mm	Metre	100.40
WD-M0004	110mm	Metre	142.60
WD-M0005	140mm	Metre	238.10
WD-M0006	160mm	Metre	306.60
WD-M0007	180mm	Metre	397.60
WD-M0008	200mm	Metre	475.80
<b>II</b>	<b>6KSC</b>		
WD-M0009	50mm	Metre	47.10
WD-M0010	63mm	Metre	73.60
WD-M0011	75mm	Metre	101.70
WD-M0012	90mm	Metre	142.30
WD-M0013	110mm	Metre	196.80
WD-M0014	140mm	Metre	343.10
WD-M0015	160mm	Metre	430.70
WD-M0016	180mm	Metre	561.60
WD-M0017	200mm	Metre	697.00
<b>III</b>	<b>10KSC</b>		
WD-M0018	50mm	Metre	73.00
WD-M0019	63mm	Metre	110.90
WD-M0020	75mm	Metre	153.50
WD-M0021	90mm	Metre	221.90
WD-M0022	110mm	Metre	334.40
WD-M0023	140mm	Metre	547.50
WD-M0024	160mm	Metre	685.80

WD-M0025	180mm	Metre	886.40
WD-M0026	200mm	Metre	1091.00

Note :

1. The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
2. Unloading, stacking at stock yard and Cost of loading from Stock-yard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
3. GST extra applicable as per GO.

### 1.1 PVC CASING PIPE AS PER IS 12818 / 2010

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
WD-M0027	150mm CS	Metre	457.00
WD-M0028	150mm CM	Metre	594.00
WD-M0029	150mm RS	Metre	765.30
WD-M0030	200mm CS	Metre	766.40
WD-M0031	200mm CM	Metre	836.40
WD-M0032	200mm RS	Metre	1314.90

- Note:
1. The above rates are basic rates inclusive of transportation charges to site anywhere in Tamilnadu.
  2. GST extra applicable as per GO

**CS - Casing Shallow depth Upto 80 m**

**CM - Casing Medium depth 81m to 250m**

**RS - Ribbed screen pipe**

### 1.2 UN PLASTICIZED NON - PRESSURE POLYVINYL CHLORIDE (PVC-U) PIPES FOR USE IN UNDERGROUND DRAINAGE AND SEWERAGE SYSTEMS as per IS 15328/2003

Unique Code	Description	Unit	Rate for 2024 -25 in Rupees
<b>I</b>	<b>SN8-SDR 34(S 16.5)</b>		
WD-M0033	110mm	Per Metre	210.10
WD-M0034	125mm	Per Metre	264.50

WD-M0035	160mm	Per Metre	440.20
WD-M0036	200mm	Per Metre	686.70
WD-M0037	250mm	Per Metre	1059.40
WD-M0038	315mm	Per Metre	1678.70
<b>II</b>	<b>SN4-SDR 41(S 20)</b>		
WD-M0039	125mm	Per Metre	231.40
WD-M0040	160mm	Per Metre	353.70
WD-M0041	200mm	Per Metre	566.80
WD-M0042	250mm	Per Metre	886.30
WD-M0043	315mm	Per Metre	1364.80
<b>III</b>	<b>SN2-SDR 51(S 25)</b>		
WD-M0044	160mm	Per Metre	304.00
WD-M0045	200mm	Per Metre	475.00
WD-M0046	250mm	Per Metre	714.00
WD-M0047	315mm	Per Metre	1142.10

Note :

1. The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
2. Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
3. GST extra applicable as per GO

### 1.3 UPVC - Column pipe

SI No.	Description	Unit	Rate for 2024 -25 in Rupees
WD-M0048	25mm	Per Metre	89.00
WD-M0049	32mm	Per Metre	144.00
WD-M0050	40mm	Per Metre	192.00
WD-M0051	50mm	Per Metre	312.00
WD-M0052	65mm	Per Metre	401.00
WD-M0053	80mm	Per Metre	553.00
WD-M0054	100mm	Per Metre	832.00

Note:

1. The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
2. GST extra applicable as per GO

#### 1.4 PVC SPECIALS AS PER IS 7834/1987

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
	<b>PVC THREADED COUPLER</b>		
WD-M0055	63 mm x 50 mm	Each	48.50
WD-M0056	75 mm x 50 mm	Each	73.80
WD-M0057	90 mm x 80 mm	Each	93.80
WD-M0058	110 mm x 100 mm	Each	167.50
WD-M0059	140 mm x 125 mm	Each	233.00
	<b>UNEQUAL TEE</b>		
WD-M0060	63 mm x 50 mm	Each	36.90
WD-M0061	75 mm X 50 mm	Each	44.20
WD-M0062	90 mm x 50 mm	Each	106.40
WD-M0063	90 mm x 63 mm	Each	99.10
WD-M0064	90 mm x 75 mm	Each	105.40
WD-M0065	110 mm x 50 mm	Each	92.70
WD-M0066	110mm x 63 mm	Each	93.80
WD-M0067	110 mm x 90mm	Each	187.60
WD-M0068	140mm x 50 mm	Each	379.30
WD-M0069	140 mm x 63 mm	Each	342.40
WD-M0070	140 mm x 90 mm	Each	356.10
WD-M0071	140 mm x 110 mm	Each	302.40
WD-M0072	160 mm x 50 mm	Each	483.60
WD-M0073	160 mm x 63 mm	Each	483.60
WD-M0074	160 mm x 90 mm	Each	248.70
WD-M0075	160 mm x 110mm	Each	285.50
WD-M0076	160 mm x140 mm	Each	582.60
	<b>PVC REDUCER COUPLER</b>		
WD-M0077	63 mm x 50 mm	Each	16.90
WD-M0078	75 mm x 63 mm	Each	13.70
WD-M0079	90 mm x 63 mm	Each	27.40
WD-M0080	90 mm x 75 mm	Each	22.10

WD-M0081	110 mm x 63 mm	Each	40.10
WD-M0082	110 mm x 75 mm	Each	45.30
WD-M0083	110 mm x 90 mm	Each	34.80
WD-M0084	140 mm x 63 mm	Each	123.30
WD-M0085	140 mm x 90 mm	Each	87.40
WD-M0086	140 mm x 110 mm	Each	54.80
WD-M0087	160 mm x 110 mm	Each	123.30
WD-M0088	160 mm x 140 mm	Each	101.10
	<b>PVC REDUCER MULTI STAGE</b>		
WD-M0089	90 mm x 63 mm	Each	27.40
WD-M0090	110 mm x 63 mm	Each	40.10
WD-M0091	110 mm x 75 mm	Each	45.30
WD-M0092	110 mm x 90 mm	Each	46.30
WD-M0093	140 mm x 90 mm	Each	146.80
	<b>PVC REDUCER FABRICATED</b>		
WD-M0094	75 mm x 63 mm	Each	13.70
WD-M0095	90 mm x 75 mm	Each	22.10
WD-M0096	110 mm x 90 mm	Each	34.80
WD-M0097	140 mm x 110 mm	Each	54.70
WD-M0098	160 mm x 140 mm	Each	101.10
	<b>SADDLE PIECE</b>		
WD-M0099	63 mm x 20 mm	Each	58.00
WD-M0100	75 mm x 20 mm	Each	67.40
WD-M0101	90 mm x 20 mm	Each	77.90
WD-M0102	110 mm x 20 mm	Each	90.60
WD-M0103	140 mm x 20 mm	Each	112.80
WD-M0104	160 mm x 20 mm	Each	128.60

Note:

1. The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
2. GST extra applicable as per GO

1.5 PVC SPECIALS AS PER IS 10124/1982 Part-II cont..

Unique Code	Description	Rate for 2024-25 in Rupees												
		20mm	25mm	32mm	40mm	50mm	63mm	75mm	90mm	110mm	140mm	160mm	200mm	
WD-M0105	PVC Couplers fabricated 4 KSC	-	-	-	-	-	9.50	13.70	22.10	22.10	34.80	63.20	98.00	207.60
WD-M0106	PVC Couplers fabricated 6 KSC	-	-	-	-	7.30	14.70	22.10	34.80	34.80	52.70	91.70	146.50	302.40
WD-M0107	PVC Bends fabricated 4 KSC	-	-	-	-	-	27.40	45.30	68.50	116.90	288.80	395.10	760.80	
WD-M0108	PVC Bends fabricated 6 KSC	-	-	-	-	22.10	42.20	70.60	107.50	182.30	418.30	582.70	1128.60	
WD-M0109	PVC Equal Tee Fabricated 4 KSC	-	-	-	-	-	26.00	39.90	61.90	98.30	178.50	279.20	511.10	
WD-M0110	PVC Equal Tee Fabricated BIS 10124/1982 PartV 6 KSC	-	-	-	-	20.00	40.60	62.00	96.50	154.00	258.80	411.80	648.10	
WD-M0111	PVC Couplers (Mould) BIS 7834/1975 Part VI	3.20	3.20	5.20	5.20	10.60	23.10	35.80	52.70	81.20	174.90	225.50	318.60	
WD-M0112	PVC Elbow (Mould) BIS 7834/1975 Part VI	3.20	5.20	10.50	13.40	29.50	46.30	60.10	104.40	153.90	176.00	285.50	556.10	
WD-M0113	PVC Equal tee (Mould) BIS 7834/1975	4.20	8.50	12.60	22.10	35.80	56.90	74.80	123.30	205.40	263.50	386.70	813.70	
WD-M0114	PVC Male Threaded Adopter					16.90	23.10	36.90	56.90	89.60	142.20	218.10	364.60	
WD-M0115	PVC End Cap	2.10	3.20	5.20	8.50	11.60	17.90	21.10	29.90	56.90	78.60	108.70	201.30	
WD-M0116	PVC Tail piece without flange (BIS marks)	-	-	-	-	19.70	20.80	27.40	42.50	69.40	118.40	181.20	300.30	
WD-M0117	PVC flanged Tail piece	-	-	-	-		129.20	220.90	243.40	388.80	647.00	848.30	1269.80	

Note: 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

**1.6 UN PLASTICIZED O-PVC PIPES FOR POTABLE WATER SUPPLY AS PER  
IS 16647 / 2017**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
<b>I</b>	<b>PN 12.5 Class 500</b>		
WD-M0118	110mm	Metre	728.60
WD-M0119	160mm	Metre	1197.40
WD-M0120	200mm	Metre	1573.50
WD-M0121	250mm	Metre	2070.60
WD-M0122	315mm	Metre	2505.30
WD-M0123	400mm	Metre	3712.60
<b>II</b>	<b>PN 16 Class 500</b>		
WD-M0124	110mm	Metre	804.50
WD-M0125	160mm	Metre	1341.20
WD-M0126	200mm	Metre	1768.10
WD-M0127	250mm	Metre	2357.00
WD-M0128	315mm	Metre	3119.30
WD-M0129	400mm	Metre	4701.10

- Note:
- 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
  - 2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
  - 3) GST extra applicable as per GO

**1.7 MOULDED (OR) FABRICATED O-PVC FITTINGS COMPATIBLE WITH  
O-PVC PIPES**

Unique Code	Description	Unit	Rate for 2024 -25 in Rupees
			PN-16
WD-M0130	45° DEG ELBOW DN 110mm	1 No.	1856.00
WD-M0131	45° DEG ELBOW DN 160mm	1 No.	2772.00
WD-M0132	45° DEG ELBOW DN 200mm	1 No.	4951.00
WD-M0133	45° DEG ELBOW DN 250mm	1 No.	6842.00
WD-M0134	45° DEG ELBOW DN 315mm	1 No.	9994.00
WD-M0135	45° DEG ELBOW DN 400mm	1 No.	14368.00
WD-M0136	22.5° DEG ELBOW DN 110mm	1 No.	1676.00
WD-M0137	22.5° DEG ELBOW DN 160mm	1 No.	2346.00
WD-M0138	22.5° DEG ELBOW DN 200 mm	1 No.	3668.00
WD-M0139	22.5° DEG ELBOW DN 250 mm	1 No.	5940.00
WD-M0140	22.5° DEG ELBOW DN 315 mm	1 No.	8614.00
WD-M0141	22.5° DEG ELBOW DN 400 mm	1 No.	12078.00
WD-M0142	11.25° DEG ELBOW DN 110mm	1 No.	1529.00
WD-M0143	11.25° DEG ELBOW DN 160mm	1 No.	2039.00
WD-M0144	11.25° DEG ELBOW DN 200mm	1 No.	3380.00
WD-M0145	11.25° DEG ELBOW DN 250mm	1 No.	5544.00
WD-M0146	11.25° DEG ELBOW DN 315mm	1 No.	8163.00
WD-M0147	11.25° DEG ELBOW DN 400mm	1 No.	11886.00
WD-M0148	90° DEG ELBOW DN 110mm	1 No.	2412.00
WD-M0149	90° DEG ELBOW DN 160mm	1 No.	3328.00
WD-M0150	90° DEG ELBOW DN 200mm	1 No.	3505.00
WD-M0151	90° DEG ELBOW DN 250mm	1 No.	8723.00
WD-M0152	90° DEG ELBOW DN 315mm	1 No.	13954.00
WD-M0153	90° DEG ELBOW DN 400mm	1 No.	16435.00
WD-M0154	SLIDING COUPLER DN 110mm	1 No.	1338.00
WD-M0155	SLIDING COUPLER DN 160mm	1 No.	1548.00

WD-M0156	SLIDING COUPLER DN 200mm	1 No.	2093.00
WD-M0157	SLIDING COUPLER DN 250mm	1 No.	3874.00
WD-M0158	SLIDING COUPLER DN 315mm	1 No.	8499.00
WD-M0159	SLIDING COUPLER DN 400mm	1 No.	14365.00
WD-M0160	110mm FLANGE SOCKET	1 No.	1680.00
WD-M0161	160mm FLANGE SOCKET	1 No.	2620.00
WD-M0162	200mm FLANGE SOCKET	1 No.	3601.00
WD-M0163	250mm FLANGE SOCKET	1 No.	4756.00
WD-M0164	315mm FLANGE SOCKET	1 No.	5973.00
WD-M0165	400mm FLANGE SOCKET	1 No.	9980.00
WD-M0166	REDUCER 110 X 90	1 No.	1750.00
WD-M0167	REDUCER 160 X 110	1 No.	2347.00
WD-M0168	REDUCER 200 X 160	1 No.	3885.00
WD-M0169	REDUCER 250 X 200	1 No.	6051.00
WD-M0170	REDUCER 315 X 250	1 No.	8675.00
WD-M0171	REDUCER 400 X 315	1 No.	12677.00
WD-M0172	Air Tee 110 X 40	1 No.	2750.00
WD-M0173	Air Tee 160 X 40	1 No.	3353.00
WD-M0174	Air Tee 200 X 50	1 No.	4396.00
WD-M0175	Air Tee 250 X 80	1 No.	5449.00
WD-M0176	Air Tee 315 X 80	1 No.	6777.00
WD-M0177	Air Tee 400 X 100	1 No.	11081.00
WD-M0178	EQUAL TEE 110 X 110	1 No.	4027.00
WD-M0179	EQUAL TEE 160 X 160	1 No.	6220.00
WD-M0180	EQUAL TEE 200 X 200	1 No.	8365.00
WD-M0181	EQUAL TEE 250 X 250	1 No.	10112.00
WD-M0182	EQUAL TEE 315 X 315	1 No.	13016.00
WD-M0183	EQUAL TEE 400 X 400	1 No.	16890.00

Note: 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

**2.0 HDPE PIPES - PE 100 AS PER IS 4984/2016  
(Pre-Compounded Resin)**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024 -25 in Rupees</b>
	<b>PN 6</b>		
WD-M0184	50 mm	Metre	78.50
WD-M0185	63 mm	Metre	123.50
WD-M0186	75 mm	Metre	176.50
WD-M0187	90 mm	Metre	250.50
WD-M0188	110 mm	Metre	379.70
WD-M0189	125 mm	Metre	483.10
WD-M0190	140 mm	Metre	605.10
WD-M0191	160 mm	Metre	793.30
WD-M0192	180 mm	Metre	998.40
WD-M0193	200 mm	Metre	1233.90
WD-M0194	225 mm	Metre	1560.20
WD-M0195	250 mm	Metre	1923.80
WD-M0196	280 mm	Metre	2400.90
WD-M0197	315 mm	Metre	3026.30
WD-M0198	355 mm	Metre	3843.30
WD-M0199	400 mm	Metre	4888.20
WD-M0200	450 mm	Metre	6341.50
WD-M0201	500 mm	Metre	7824.00
WD-M0202	560 mm	Metre	10082.20
WD-M0203	630 mm	Metre	12734.40
	<b>PN 8</b>		
WD-M0204	50 mm	Metre	96.50
WD-M0205	63 mm	Metre	150.50
WD-M0206	75 mm	Metre	217.00
WD-M0207	90 mm	Metre	304.20
WD-M0208	110 mm	Metre	455.10
WD-M0209	125 mm	Metre	586.50
WD-M0210	140 mm	Metre	737.30
WD-M0211	160 mm	Metre	965.30
WD-M0212	180 mm	Metre	1211.90
WD-M0213	200 mm	Metre	1494.10
WD-M0214	225 mm	Metre	1891.60

WD-M0215	250 mm	Metre	2326.30
WD-M0216	280 mm	Metre	2925.50
WD-M0217	315 mm	Metre	3705.90
WD-M0218	355 mm	Metre	4689.90
WD-M0219	400 mm	Metre	5967.00
WD-M0220	450 mm	Metre	8035.00
WD-M0221	500 mm	Metre	9939.50
WD-M0222	560 mm	Metre	12545.00
WD-M0223	630 mm	Metre	15861.50
	<b>PN 10</b>		
WD-M0224	50 mm	Metre	117.50
WD-M0225	63 mm	Metre	186.50
WD-M0226	75 mm	Metre	264.50
WD-M0227	90 mm	Metre	379.00
WD-M0228	110 mm	Metre	556.00
WD-M0229	125 mm	Metre	718.70
WD-M0230	140 mm	Metre	896.70
WD-M0231	160 mm	Metre	1176.30
WD-M0232	180 mm	Metre	1489.00
WD-M0233	200 mm	Metre	1831.40
WD-M0234	225 mm	Metre	2324.60
WD-M0235	250 mm	Metre	2856.80
WD-M0236	280 mm	Metre	3589.00
WD-M0237	315 mm	Metre	4538.20
WD-M0238	355 mm	Metre	5754.30
WD-M0239	400 mm	Metre	7333.10
WD-M0240	450 mm	Metre	9667.50
WD-M0241	500 mm	Metre	11575.00
WD-M0242	560 mm	Metre	15700.00
WD-M0243	630 mm	Metre	19179.00
	<b>PN 12.5</b>		
WD-M0244	50 mm	Metre	142.20
WD-M0245	63 mm	Metre	225.00
WD-M0246	75 mm	Metre	317.80
WD-M0247	90 mm	Metre	450.90
WD-M0248	110 mm	Metre	673.80
WD-M0249	125 mm	Metre	872.10

WD-M0250	140 mm	Metre	1094.10
WD-M0251	160 mm	Metre	1427.20
WD-M0252	180 mm	Metre	1797.50
WD-M0253	200 mm	Metre	2317.80
WD-M0254	225 mm	Metre	2812.80
WD-M0255	250 mm	Metre	3472.90
WD-M0256	280 mm	Metre	4350.00
WD-M0257	315 mm	Metre	5504.30
WD-M0258	355 mm	Metre	6958.00
WD-M0259	400 mm	Metre	8855.10
WD-M0260	450 mm	Metre	11656.50
WD-M0261	500 mm	Metre	14409.00
WD-M0262	560 mm	Metre	18097.50
WD-M0263	630 mm	Metre	22910.70
	<b>PN 16</b>		
WD-M0264	50 mm	Metre	169.00
WD-M0265	63 mm	Metre	258.60
WD-M0266	75 mm	Metre	377.20
WD-M0267	90 mm	Metre	536.50
WD-M0268	110 mm	Metre	806.00
WD-M0269	125 mm	Metre	1035.60
WD-M0270	140 mm	Metre	1302.60
WD-M0271	160 mm	Metre	1697.50
WD-M0272	180 mm	Metre	2143.30
WD-M0273	200 mm	Metre	2650.90
WD-M0274	225 mm	Metre	3346.70
WD-M0275	250 mm	Metre	4132.20
WD-M0276	280 mm	Metre	5188.20
WD-M0277	315 mm	Metre	6551.70
WD-M0278	355 mm	Metre	8335.60
WD-M0279	400 mm	Metre	10577.20
WD-M0280	450 mm	Metre	13687.00
WD-M0281	500 mm	Metre	16911.50

Note:

1. The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
2. Unloading, stacking at stock yard and cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8 Km radius)are extra. This item should be included in the Estimate and BoQ as a seperate item.
3. GST extra applicable as per GO

**2.1 SPECIALS FOR HDPE PIPES AS PER IS 8360/1977/Part I(Reaffirmed 1992)  
Part II and III (Reaffirmed 2002)**

Unique Code	Description	Unit	Rate for 2024-25 in Rupees	
			90 Degree Bend	Equal Tee
			A	B
	<b>PN 6</b>			
WD-M0282	50 mm	Each	45.80	69.70
WD-M0283	63 mm	Each	72.80	110.30
WD-M0284	75 mm	Each	125.90	184.00
WD-M0285	90 mm	Each	243.00	336.00
WD-M0286	110 mm	Each	448.00	570.00
WD-M0287	125 mm	Each	618.80	637.60
WD-M0288	140 mm	Each	851.80	873.60
WD-M0289	160 mm	Each	1234.50	1288.60
WD-M0290	180 mm	Each	1419.60	1831.50
WD-M0291	200 mm	Each	1936.50	2438.80
WD-M0292	225 mm	Each	2781.00	3442.40
WD-M0293	250 mm	Each	3827.20	4676.90
WD-M0294	280 mm	Each	5292.60	6502.10
WD-M0295	315 mm	Each	7666.90	8968.00
WD-M0296	355 mm	Each	10745.30	12541.40
WD-M0297	400 mm	Each	15881.90	18342.50
WD-M0298	450 mm	Each	22483.80	26040.60
WD-M0299	500 mm	Each	29553.70	40893.90
WD-M0300	560 mm	Each	40291.70	56230.80
WD-M0301	630 mm	Each	62925.20	77864.80
	<b>PN 8</b>			
WD-M0302	125 mm	Each	589.70	676.00
WD-M0303	140 mm	Each	787.30	924.60
WD-M0304	160 mm	Each	1120.10	1337.50

WD-M0305	180 mm	Each	1564.20	1866.80
WD-M0306	200 mm	Each	2027.00	2492.90
WD-M0307	225 mm	Each	2891.20	3476.80
WD-M0308	250 mm	Each	3891.70	4690.40
WD-M0309	280 mm	Each	5383.10	6481.30
WD-M0310	315 mm	Each	11185.20	8878.50
WD-M0311	355 mm	Each	15952.60	12351.10
WD-M0312	400 mm	Each	23283.60	17910.90
WD-M0313	450 mm	Each	33166.70	25294.90
WD-M0314	500 mm	Each	45492.80	45750.70
WD-M0315	560 mm	Each	63930.90	57281.20
WD-M0316	630 mm	Each	91027.10	72936.30
	<b>PN 10</b>			
WD-M0317	50 mm	Each	64.50	107.20
WD-M0318	63 mm	Each	109.20	164.00
WD-M0319	75 mm	Each	182.00	278.00
WD-M0320	90 mm	Each	343.50	475.00
WD-M0321	110 mm	Each	606.40	816.00
WD-M0322	125 mm	Each	860.10	923.30
WD-M0323	140 mm	Each	1261.60	1360.00
WD-M0324	160 mm	Each	1780.50	1992.00
WD-M0325	180 mm	Each	2216.30	2769.00
WD-M0326	200 mm	Each	3029.60	3788.50
WD-M0327	225 mm	Each	4344.10	5391.20
WD-M0328	250 mm	Each	5957.20	7334.20
WD-M0329	280 mm	Each	8234.80	10248.10
WD-M0330	315 mm	Each	11939.20	14522.00
WD-M0331	355 mm	Each	16786.70	21167.20
WD-M0332	400 mm	Each	24858.10	30400.80
WD-M0333	450 mm	Each	35085.50	43055.00

WD-M0334	500 mm	Each	46088.70	63774.90
WD-M0335	560 mm	Each	63979.80	95677.80
WD-M0336	630 mm	Each	94890.70	142334.40
	<b>PN 12.5</b>			
WD-M0337	125 mm	Each	868.40	1068.50
WD-M0338	140 mm	Each	1210.60	1602.80
WD-M0339	160 mm	Each	1732.70	2379.70
WD-M0340	180 mm	Each	2406.60	3303.00
WD-M0341	200 mm	Each	3216.80	4565.50
WD-M0342	225 mm	Each	4579.20	6270.20
WD-M0343	250 mm	Each	5849.00	8555.10
WD-M0344	280 mm	Each	8371.00	12058.80
WD-M0345	315 mm	Each	17080.00	15833.00
WD-M0346	355 mm	Each	23498.80	22651.20
WD-M0347	400 mm	Each	33178.10	30289.00
WD-M0348	450 mm	Each	48354.80	57325.90
WD-M0349	500 mm	Each	66272.00	82202.70
WD-M0350	560 mm	Each	93004.10	115405.70
WD-M0351	630 mm	Each	132453.40	164294.00
	<b>PN 16</b>			
WD-M0352	50 mm	Each	93.60	147.70
WD-M0353	63 mm	Each	155.00	230.00
WD-M0354	75 mm	Each	258.00	346.00
WD-M0355	90 mm	Each	485.00	534.30
WD-M0356	110 mm	Each	874.00	781.10
WD-M0357	125 mm	Each	1180.40	1207.50
WD-M0358	140 mm	Each	1647.40	1733.70
WD-M0359	160 mm	Each	2679.00	2460.70
WD-M0360	180 mm	Each	3716.00	3487.20
WD-M0361	200 mm	Each	5038.20	4760.10

WD-M0362	225 mm	Each	7120.10	6593.60
WD-M0363	250 mm	Each	9423.50	9194.70
WD-M0364	280 mm	Each	13473.20	12857.60
WD-M0365	315 mm	Each	22367.00	17370.10
WD-M0366	355 mm	Each	32629.00	26302.70
WD-M0367	400 mm	Each	47335.40	37951.70
WD-M0368	450 mm	Each	67367.30	52761.30
WD-M0369	500 mm	Each	104606.40	84020.00

Note: 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 3.0 A.C.PRESSURE PIPES AS PER IS 1592 / 2003

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
<b>I</b>	<b>Class 15</b>		
WD-M0370	80mm	Metre	307.90
WD-M0371	100mm	Metre	404.60
WD-M0372	125mm	Metre	528.40
WD-M0373	150mm	Metre	743.60
WD-M0374	200mm	Metre	1231.40
WD-M0375	250mm	Metre	1560.00
WD-M0376	300mm	Metre	2183.00
WD-M0377	350mm	Metre	2661.40
WD-M0378	400mm	Metre	3773.20
WD-M0379	450mm	Metre	4479.30
<b>II</b>	<b>Class 20</b>		
WD-M0380	80mm	Metre	337.00
WD-M0381	100mm	Metre	514.80
WD-M0382	125mm	Metre	658.40
WD-M0383	150mm	Metre	925.60
WD-M0384	200mm	Metre	1575.60
WD-M0385	250mm	Metre	2023.90
WD-M0386	300mm	Metre	2844.40
WD-M0387	350mm	Metre	3459.10
WD-M0388	400mm	Metre	4935.90
WD-M0389	450mm	Metre	5946.80

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

**3.1 A.C. COUPLER AS PER IS 1592 /2003**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
<b>I</b>	<b>Class 15</b>		
WD-M0390	80mm	Each	266.30
WD-M0391	100mm	Each	344.30
WD-M0392	125mm	Each	433.70
WD-M0393	150mm	Each	520.00
WD-M0394	200mm	Each	890.30
WD-M0395	250mm	Each	1039.00
WD-M0396	300mm	Each	1318.80
WD-M0397	350mm	Each	1721.20
WD-M0398	400mm	Each	2533.50
WD-M0399	450mm	Each	2993.20
<b>II</b>	<b>Class 20</b>		
WD-M0400	80mm	Each	282.90
WD-M0401	100mm	Each	365.10
WD-M0402	125mm	Each	467.00
WD-M0403	150mm	Each	614.70
WD-M0404	200mm	Each	955.80
WD-M0405	250mm	Each	1285.50
WD-M0406	300mm	Each	1665.10
WD-M0407	350mm	Each	2158.00
WD-M0408	400mm	Each	3217.80
WD-M0409	450mm	Each	3847.00

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

### 3.2 C.I.D.JOINTS AS PER IS 8794 / 1988

Unique Code	Description	Unit	Rate for 2024 -25 in Rupees
<b>I</b>	<b>Class 15</b>		
WD-M0410	80mm	Each	462.80
WD-M0411	100mm	Each	580.60
WD-M0412	125mm	Each	731.70
WD-M0413	150mm	Each	937.30
WD-M0414	200mm	Each	1363.70
WD-M0415	250mm	Each	1774.00
WD-M0416	300mm	Each	2140.30
WD-M0417	350mm	Each	3600.40
WD-M0418	400mm	Each	4489.50
WD-M0419	450mm	Each	5391.40
<b>II</b>	<b>Class 20</b>		
WD-M0420	80mm	Each	474.60
WD-M0421	100mm	Each	588.10
WD-M0422	125mm	Each	789.50
WD-M0423	150mm	Each	950.20
WD-M0424	200mm	Each	1449.40
WD-M0425	250mm	Each	1910.00
WD-M0426	300mm	Each	2088.80
WD-M0427	350mm	Each	3830.70
WD-M0428	400mm	Each	4597.60
WD-M0429	450mm	Each	5431.00

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

**4.0 C.I. SPUN PIPES AS PER IS 1536/2001 Amendment No.3.July 2008**

<b>Unique Code</b>	<b>Size of pipes</b>	<b>Unit</b>	<b>Rate for 2024 -25 in Rupees</b>
<b>I</b>	<b>LA Class</b>		
WD-M0430	80mm	Metre	1448.20
WD-M0431	100mm	Metre	1794.50
WD-M0432	125mm	Metre	2339.10
WD-M0433	150mm	Metre	2777.10
WD-M0434	200mm	Metre	4013.20
WD-M0435	250mm	Metre	5408.60
WD-M0436	300mm	Metre	6976.00
WD-M0437	350mm	Metre	9025.20
WD-M0438	400mm	Metre	10981.70
WD-M0439	450mm	Metre	13242.90
WD-M0440	500mm	Metre	15503.00
WD-M0441	600mm	Metre	20660.70
WD-M0442	700mm	Metre	26516.00
WD-M0443	750mm	Metre	29798.80
<b>II</b>	<b>A Class</b>		
WD-M0444	80mm	Metre	1574.90
WD-M0445	100mm	Metre	1976.50
WD-M0446	125mm	Metre	2555.00
WD-M0447	150mm	Metre	3040.60
WD-M0448	200mm	Metre	4357.00
WD-M0449	250mm	Metre	5875.40
WD-M0450	300mm	Metre	7626.00
WD-M0451	350mm	Metre	9789.50
WD-M0452	400mm	Metre	12001.90

WD-M0453	450mm	Metre	14549.30
WD-M0454	500mm	Metre	16888.40
WD-M0455	600mm	Metre	22554.30
WD-M0456	700mm	Metre	28878.90
WD-M0457	750mm	Metre	32439.10
<b>III</b>	<b>B Class</b>		
WD-M0458	80mm	Metre	1689.10
WD-M0459	100mm	Metre	2108.30
WD-M0460	125mm	Metre	2752.10
WD-M0461	150mm	Metre	3272.70
WD-M0462	200mm	Metre	4713.40
WD-M0463	250mm	Metre	6371.10
WD-M0464	300mm	Metre	8264.70
WD-M0465	350mm	Metre	10617.70
WD-M0466	400mm	Metre	12955.60
WD-M0467	450mm	Metre	15696.30
WD-M0468	500mm	Metre	18270.10
WD-M0469	600mm	Metre	24434.20
WD-M0470	700mm	Metre	31116.40
WD-M0471	750mm	Metre	35094.50

Note :

1. The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
2. Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
3. GST extra applicable as per GO

**4.1 C.I D/F PIPES AS PER IS 7181/1986 & IS 1537/1996**

Unique Code	Size	Unit	Rate for 2024 -25 in Rupees.
<b>I</b>	<b>STANDARD</b>		
WD-M0472	80mm to 200mm	Kg	99.20
WD-M0473	250mm to 400mm	Kg	104.10
WD-M0474	450mm to 750mm	Kg	109.20
<b>II</b>	<b>NON-STANDARD</b>		
WD-M0475	80mm to 200mm	Kg	106.60
WD-M0476	250mm to 400mm	Kg	109.20
WD-M0477	450mm to 750mm	Kg	115.40

**4.2 CI D/F SPECIALS & S/S SPECIALS AS PER IS 1538/1993**

Unique Code	Size	Unit	Rate for 2024-25 in Rupees.
<b>I</b>	<b>STANDARD</b>		
WD-M0478	80mm to 200mm	Kg	94.10
WD-M0479	250mm to 400mm	Kg	109.20
WD-M0480	450mm to 750mm	Kg	119.20
<b>II.</b>	<b>NON-STANDARD</b>		
WD-M0481	80mm to 200mm	Kg	99.20
WD-M0482	250mm to 400mm	Kg	115.40
WD-M0483	450mm to 750mm	Kg	123.00

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

## 5.0 G I PIPES (MEDIUM) AS PER IS 1239/PART I/2004

Unique Code	Description	Unit	Rate for 2024 -25 in Rupees
WD-M0484	15mm	Metre	120.60
WD-M0485	20mm	Metre	157.80
WD-M0486	25mm	Metre	234.40
WD-M0487	32mm	Metre	292.90
WD-M0488	40mm	Metre	341.40
WD-M0489	50mm	Metre	464.30
WD-M0490	65mm	Metre	593.80
WD-M0491	80mm	Metre	735.80
WD-M0492	100mm	Metre	1048.10
WD-M0493	125mm	Metre	1505.50
WD-M0494	150mm	Metre	1684.70

Note :

- 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
- 2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
- 3) GST extra applicable as per GO

## 5.1 a G.I. SPECIALS AS PER IS 1239/ PART II

Unique Code	Description	Unit	Rates for 2024-25 in Rupees
	<b>GI REDUCER (HEAVY)</b>		
WD-M0495	150 mm x 125 mm	Each	996.10
WD-M0496	150 mm x 100 mm	Each	1025.80
WD-M0497	150 mm x 80 mm	Each	1025.80
WD-M0498	125 mm x 100 mm	Each	904.90

WD-M0499	125 mm x 80 mm	Each	922.90
WD-M0500	125 mm x 65 mm	Each	914.40
WD-M0501	125 mm x 50 mm	Each	922.90
WD-M0502	100 mm x 80 mm	Each	635.50
WD-M0503	100 mm x 65 mm	Each	635.50
WD-M0504	100 mm x 50 mm	Each	621.70
WD-M0505	80 mm x 65 mm	Each	385.20
WD-M0506	80 mm x 50 mm	Each	396.80
WD-M0507	80 mm x 40 mm	Each	388.30
WD-M0508	80 mm x 32 mm	Each	396.80
WD-M0509	65 mm x 50 mm	Each	271.60
WD-M0510	65 mm x 40 mm	Each	267.30
WD-M0511	65 mm x 32 mm	Each	271.60
WD-M0512	65 mm x 20 mm	Each	269.50
WD-M0513	50 mm x 40 mm	Each	149.60
WD-M0514	50 mm x 32 mm	Each	145.40
WD-M0515	50 mm x 20 mm	Each	145.40
WD-M0516	40 mm x 32 mm	Each	102.90
WD-M0517	40 mm x 20 mm	Each	100.80
	<b>GI REDUCER (MEDIUM)</b>		
WD-M0518	150 mm x 125 mm	Each	833.90
WD-M0519	150 mm x 100 mm	Each	816.80
WD-M0520	150 mm x 80 mm	Each	833.90
WD-M0521	125 mm x 100 mm	Each	685.30
WD-M0522	125 mm x 80 mm	Each	705.40
WD-M0523	125 mm x 65 mm	Each	698.10
WD-M0524	125 mm x 50 mm	Each	705.40
WD-M0525	100 mm x 80 mm	Each	449.80
WD-M0526	100 mm x 65mm	Each	458.30

WD-M0527	100 mm x 50 mm	Each	458.30
WD-M0528	80 mm x 65 mm	Each	250.40
WD-M0529	80 mm x 50 mm	Each	200.50
WD-M0530	80 mm x 40 mm	Each	194.20
WD-M0531	80 mm x 32 mm	Each	196.20
WD-M0532	65 mm x 50 mm	Each	143.20
WD-M0533	65 mm x 40 mm	Each	143.20
WD-M0534	65 mm x 32 mm	Each	143.20
WD-M0535	65 mm x 20 mm	Each	140.00
WD-M0536	50 mm x 40 mm	Each	96.60
WD-M0537	50 mm x 32 mm	Each	94.50
WD-M0538	50 mm x 20 mm	Each	96.60
WD-M0539	40 mm x 32 mm	Each	61.60
WD-M0540	40 mm x 20 mm	Each	61.60
	<b>G I UNEQUAL TEE (HEAVY)</b>		
WD-M0541	150 mm x 125 mm	Each	2124.90
WD-M0542	150 mm x 100 mm	Each	2147.10
WD-M0543	150 mm x 80 mm	Each	1778.00
WD-M0544	125 mm x 100 mm	Each	1778.00
WD-M0545	125 mm x 80 mm	Each	1778.00
WD-M0546	125 mm x 65 mm	Each	1760.90
WD-M0547	125 mm x 50 mm	Each	1778.00
WD-M0548	100 mm x 80 mm	Each	1211.50
WD-M0549	100 mm x 65mm	Each	1234.80
WD-M0550	100 mm x 50 mm	Each	1234.80
WD-M0551	80 mm x 65 mm	Each	700.10
WD-M0552	80 mm x 50 mm	Each	720.30
WD-M0553	80 mm x 40 mm	Each	706.60
WD-M0554	80 mm x 32 mm	Each	718.20

WD-M0555	65 mm x 50 mm	Each	529.40
WD-M0556	65 mm x 40 mm	Each	519.80
WD-M0557	65 mm x 32 mm	Each	529.40
WD-M0558	65 mm x 20 mm	Each	525.10
WD-M0559	50 mm x 40 mm	Each	314.10
WD-M0560	50 mm x 32 mm	Each	306.60
WD-M0561	50 mm x 20 mm	Each	314.10
WD-M0562	40 mm x 32 mm	Each	195.20
WD-M0563	40 mm x 20 mm	Each	199.50
WD-M0564	32 mm x 20 mm	Each	142.20
	<b>G.I UNEQUAL TEE(MEDIUM)</b>		
WD-M0565	150 mm x 125 mm	Each	1313.40
WD-M0566	150 mm x 100 mm	Each	1313.40
WD-M0567	150 mm x 80 mm	Each	1287.90
WD-M0568	125 mm x 100 mm	Each	1065.10
WD-M0569	125 mm x 80 mm	Each	1065.10
WD-M0570	125 mm x 65 mm	Each	1054.50
WD-M0571	125 mm x 50 mm	Each	1065.10
WD-M0572	100 mm x 80 mm	Each	701.30
WD-M0573	100 mm x 65mm	Each	701.30
WD-M0574	100 mm x 50 mm	Each	687.50
WD-M0575	80 mm x 65 mm	Each	335.30
WD-M0576	80 mm x 50 mm	Each	344.80
WD-M0577	80 mm x 40 mm	Each	344.80
WD-M0578	80 mm x 32 mm	Each	344.80
WD-M0579	65 mm x 50 mm	Each	243.00
WD-M0580	65 mm x 40 mm	Each	238.70

WD-M0581	65 mm x 32 mm	Each	243.00
WD-M0582	65 mm x 20 mm	Each	243.00
WD-M0583	50 mm x 40 mm	Each	140.00
WD-M0584	50 mm x 32 mm	Each	141.20
WD-M0585	50 mm x 20 mm	Each	143.20
WD-M0586	40 mm x 32 mm	Each	105.10
WD-M0587	40 mm x 20 mm	Each	105.10
WD-M0588	32 mm x 20 mm	Each	104.00
	<b>MS BOLTS AND NUTS</b>		
WD-M0589	16 mm dia x 65 to 90 mm length fully threaded bolts and nuts with 2 Nos.	Kg.	125.30
WD-M0590	20mm dia and above x 90mm to 120mm length fully threaded bolts and with nuts 2 Nos.	Kg.	130.60
	<b>RUBBER INSERTION SHEET</b>		
WD-M0591	3 Ply R.I. Sheet	Kg.	108.20
	<b>AC COWL</b>		
WD-M0592	80 mm dia	Each	38.30
WD-M0593	100 mm dia	Each	65.80

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

**5.1b G.I. SPECIALS AS PER IS 1239/PART II**

**CONTINUED....**

Unique Code	Description	Rate for 2024 -25 in Rupees												
		15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm	125mm	150mm		
		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>		
WD-M0594	G.I. Equal Elbow plain	28.70	38.30	59.50	101.90	126.30	188.90	340.60	502.90	897.50	925.00	1948.00		
WD-M0595	G.I. Equal Tee plain	44.60	55.20	78.50	115.70	169.70	281.10	441.40	628.00	1123.40	1617.70	2265.90		
WD-M0596	G.I. Coupling	19.20	26.50	35.10	65.80	101.90	151.80	253.60	310.90	621.70	937.80	1891.50		
WD-M0597	G.I. Flange set	-	-	-	-	-	90.00	110.40	127.50	211.00	307.40	1088.10		
WD-M0598	G.I. Cross	65.80	82.80	136.90	219.60	283.30	427.60	661.00	1043.80	1373.70	1725.90	1725.90		
WD-M0599	G.I. Hex Nipple	26.00	46.80	46.80	72.80	91.60	125.90	215.30	302.70	449.30	479.50	1032.00		
WD-M0600	G.I. Three Way Elbow	57.30	88.10	130.60	205.80	267.30	429.60	429.60	-	-	-	-		
WD-M0601	G.I.Plug Dia Head Taper Thread	11.10	25.40	25.40	43.10	43.10	49.80	91.00	124.80	180.10	251.90	463.00		
WD-M0602	G.I.Bend	26.50	46.40	73.00	86.20	113.80	170.10	289.50	436.40	766.70	1108.10	2383.00		
WD-M0603	G.I.Union	76.20	80.60	138.10	194.40	246.30	351.40	657.30	917.00	1361.10	1820.70	2705.60		
WD-M0604	G.M. Ferrule	427.20	643.40	946.60	946.60	-	-	-	-	-	-	-		
WD-M0605	G.I.stop cock	207.40	277.20	502.60	748.30	1113.30	1610.40	2053.30	2711.30	4156.00	5946.60	12529.00		
WD-M0606	Rubber sheet for Flange set	-	-	-	-	-	18.10	18.10	25.50	49.90	52.00	121.00		
WD-M0607	G.I. Reduced Elbow Plain	36.00	40.60	68.70	109.30	143.10	209.50	366.30	559.00	962.40	1387.20	1871.70		
WD-M0608	G.I.Reduced Tee Plain	49.60	67.60	102.50	146.50	185.90	282.80	432.80	670.40	1263.30	1783.90	2129.90		
WD-M0609	G.I. Reduced Socket Plain	28.20	57.40	62.00	87.90	135.20	192.70	246.80	380.90	536.40	694.10	1001.70		
WD-M0610	G.I. Check Nut	18.00	25.90	33.80	50.80	67.60	92.40	152.20	200.50	267.00	338.00	975.80		
WD-M0611	G.I.Reduced Nipple	27.00	30.40	56.40	108.10	128.50	196.00	365.10	422.60	593.80	842.90	1053.70		
WD-M0612	G.I. Dummy (Heavy)	-	-	-	-	28.10	43.70	55.20	72.80	128.00	183.10	-		
WD-M0613	G.I.Dummy (Medium)	-	-	-	-	25.50	36.10	51.00	61.60	121.00	184.60	-		
WD-M0614	M.S.Saddle Piece	-	-	-	-	-	109.30	115.70	139.00	184.60	237.70	734.10		
WD-M0615	Waste Not Tap	-	158.51	-	-	-	-	-	-	-	-	-		
WD-M0616	C.I.Footvalve with stainer	-	-	-	-	-	489.10	-	726.60	-	-	-		
WD-M0617	M.S.Clampset	-	-	-	-	217.50	251.40	431.80	606.80	720.30	0.00	1055.50		

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
 2) GST extra applicable as per GO.

**5.2 G.M GATE VALVES AS PER IS BS 5154 and related IS Specifications**

Unique Code	Description	Rate for 2024 -25 in Rupees									
		15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm	125mm
		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
WD-M0618	G.M. Gate valves	-	607.30	813.60	1060.40	1460.40	2323.70	3557.60	5761.80	9682.10	14046.60
WD-M0619	G.M. Non Return valves	-	-	-	-	-	2650.00	2712.50	4257.10	-	-

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
 2) GST extra applicable as per GO

**6.0 DUCTILE IRON SOCKET/SPIGOT PIPES FOR CLASS K7  
AS PER IS 8329/2000**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024 -25 in Rupees</b>
WD-M0620	100 mm	Metre	1361.80
WD-M0621	150 mm	Metre	1932.60
WD-M0622	200 mm	Metre	2497.20
WD-M0623	250 mm	Metre	3285.30
WD-M0624	300 mm	Metre	4197.60
WD-M0625	350mm	Metre	5155.50
WD-M0626	400 mm	Metre	6231.20
WD-M0627	450 mm	Metre	7365.60
WD-M0628	500 mm	Metre	8676.00
WD-M0629	600 mm	Metre	11440.36
WD-M0630	700 mm	Metre	14038.40
WD-M0631	750 mm	Metre	16115.80
WD-M0632	800 mm	Metre	18029.30
WD-M0633	900 mm	Metre	21019.80
WD-M0634	1000 mm	Metre	27367.10

Note : 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO

**6.1 DUCTILE IRON SOCKET/SPIGOT PIPES FOR CLASS K9  
AS PER IS 8329/2000**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024 -25 in Rupees</b>
WD-M0635	100 mm	Metre	1542.60
WD-M0636	150 mm	Metre	2233.00
WD-M0637	200 mm	Metre	2996.80

WD-M0638	250 mm	Metre	4019.40
WD-M0639	300 mm	Metre	5087.10
WD-M0640	350mm	Metre	6208.30
WD-M0641	400 mm	Metre	7450.60
WD-M0642	450 mm	Metre	8957.20
WD-M0643	500 mm	Metre	10356.10
WD-M0644	600 mm	Metre	13715.20
WD-M0645	700 mm	Metre	15817.90
WD-M0646	750 mm	Metre	17736.10
WD-M0647	800 mm	Metre	19403.20
WD-M0648	900 mm	Metre	23771.00
WD-M0649	1000 mm	Metre	28489.50

Note: 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO

## 6.2 DUCTILE IRON CLASS PN10 FLANGED PIPES AS PER IS 8329/2000

Unique Code	Description	Unit	Rate for 2024 -25 in Rupees
<b>I</b>	<b>1 m length of pipes</b>		
WD-M0650	80 mm	Each	3428.50
WD-M0651	100 mm	Each	3855.00
WD-M0652	150 mm	Each	5342.30
WD-M0653	200 mm	Each	7109.50
WD-M0654	250 mm	Each	9555.80
WD-M0655	300 mm	Each	12459.10
WD-M0656	350mm	Each	15865.40

WD-M0657	400 mm	Each	21560.80
WD-M0658	450 mm	Each	26422.50
WD-M0659	500 mm	Each	30110.80
WD-M0660	600 mm	Each	38265.20
WD-M0661	700 mm	Each	51097.70
WD-M0662	750 mm	Each	58702.60
WD-M0663	800 mm	Each	66309.60
WD-M0664	900 mm	Each	92245.10
WD-M0665	1000mm	Each	107078.30
<b>II</b>	<b>1.5 m length of pipes</b>		
WD-M0666	80 mm	Each	4226.30
WD-M0667	100 mm	Each	4401.30
WD-M0668	150 mm	Each	6112.40
WD-M0669	200 mm	Each	8170.30
WD-M0670	250 mm	Each	10917.80
WD-M0671	300 mm	Each	14176.60
WD-M0672	350 mm	Each	18497.20
WD-M0673	400 mm	Each	24704.00
WD-M0674	450 mm	Each	30159.70
WD-M0675	500 mm	Each	34452.70
WD-M0676	600 mm	Each	44021.20
WD-M0677	700 mm	Each	58943.80
WD-M0678	750 mm	Each	68129.90
WD-M0679	800 mm	Each	77312.90
WD-M0680	900 mm	Each	106882.00
WD-M0681	1000 mm	Each	124473.30
<b>III</b>	<b>2 m length of pipes</b>		
WD-M0682	80 mm	Each	4951.90
WD-M0683	100 mm	Each	4951.90
WD-M0684	150 mm	Each	6883.60

WD-M0685	200 mm	Each	9231.10
WD-M0686	250 mm	Each	12278.80
WD-M0687	300 mm	Each	15892.90
WD-M0688	350mm	Each	21128.00
WD-M0689	400 mm	Each	27852.40
WD-M0690	450 mm	Each	33899.00
WD-M0691	500 mm	Each	38792.40
WD-M0692	600 mm	Each	49779.20
WD-M0693	700 mm	Each	66785.90
WD-M0694	750 mm	Each	77550.90
WD-M0695	800 mm	Each	88319.00
WD-M0696	900 mm	Each	121529.50
WD-M0697	1000mm	Each	141877.80
<b>IV</b>	<b>2.5 m length of pipes</b>		
WD-M0698	80 mm	Each	5501.40
WD-M0699	100 mm	Each	5501.40
WD-M0700	150 mm	Each	7653.70
WD-M0701	200 mm	Each	10293.00
WD-M0702	250 mm	Each	13635.60
WD-M0703	300 mm	Each	17611.40
WD-M0704	350 mm	Each	23754.60
WD-M0705	400 mm	Each	30999.80
WD-M0706	450 mm	Each	37638.00
WD-M0707	500 mm	Each	43134.30
WD-M0708	600 mm	Each	55539.30
WD-M0709	700 mm	Each	74630.50
WD-M0710	750 mm	Each	84819.50
WD-M0711	800 mm	Each	95008.50
WD-M0712	900 mm	Each	130251.50
WD-M0713	1000 mm	Each	152362.70

<b>V</b>	<b>3 m length of pipes</b>		
WD-M0714	80 mm	Each	6048.70
WD-M0715	100 mm	Each	6048.70
WD-M0716	150 mm	Each	8424.90
WD-M0717	200 mm	Each	11353.80
WD-M0718	250 mm	Each	15089.90
WD-M0719	300 mm	Each	19374.50
WD-M0720	350mm	Each	26388.50
WD-M0721	400 mm	Each	34138.70
WD-M0722	450 mm	Each	41378.60
WD-M0723	500 mm	Each	47472.90
WD-M0724	600 mm	Each	61301.60
WD-M0725	700 mm	Each	82480.50
WD-M0726	750 mm	Each	94010.20
WD-M0727	800 mm	Each	105539.00
WD-M0728	900 mm	Each	144251.90
WD-M0729	1000mm	Each	169013.10
<b>VI</b>	<b>3.5 m length of pipes</b>		
WD-M0730	80 mm	Each	6599.30
WD-M0731	100 mm	Each	6599.30
WD-M0732	150 mm	Each	9195.10
WD-M0733	200 mm	Each	12414.60
WD-M0734	250 mm	Each	16623.90
WD-M0735	300 mm	Each	21315.80
WD-M0736	350 mm	Each	29021.40
WD-M0737	400 mm	Each	37286.10
WD-M0738	450 mm	Each	45114.60
WD-M0739	500 mm	Each	51811.60
WD-M0740	600 mm	Each	67058.50
WD-M0741	700 mm	Each	90325.10

WD-M0742	750 mm	Each	103193.60
WD-M0743	800 mm	Each	116060.10
WD-M0744	900 mm	Each	158262.90
WD-M0745	1000 mm	Each	185645.30
<b>VII</b>	<b>4 m length of pipes</b>		
WD-M0746	80 mm	Each	7375.80
WD-M0747	100 mm	Each	7883.90
WD-M0748	150 mm	Each	11354.80
WD-M0749	200 mm	Each	15269.20
WD-M0750	250 mm	Each	20113.90
WD-M0751	300 mm	Each	25882.50
WD-M0752	350mm	Each	34778.30
WD-M0753	400 mm	Each	44676.70
WD-M0754	450 mm	Each	54083.90
WD-M0755	500 mm	Each	63257.60
WD-M0756	600 mm	Each	81873.70
WD-M0757	700 mm	Each	108900.70
WD-M0758	750 mm	Each	126341.30
WD-M0759	800 mm	Each	140227.20
WD-M0760	900 mm	Each	191359.90
WD-M0761	1000mm	Each	224542.80
<b>VIII</b>	<b>5 m length of pipes</b>		
WD-M0762	80 mm	Each	8552.00
WD-M0763	100 mm	Each	10240.30
WD-M0764	150 mm	Each	14912.40
WD-M0765	200 mm	Each	19706.70
WD-M0766	250 mm	Each	26768.20
WD-M0767	300 mm	Each	34198.30
WD-M0768	350 mm	Each	41284.10
WD-M0769	400 mm	Each	53294.50

WD-M0770	450 mm	Each	62636.70
WD-M0771	500 mm	Each	72177.50
WD-M0772	600 mm	Each	94626.90
WD-M0773	700 mm	Each	119667.20
WD-M0774	750 mm	Each	136486.30
WD-M0775	800 mm	Each	152882.90
WD-M0776	900 mm	Each	207897.90
WD-M0777	1000 mm	Each	244386.10

Note : 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stockyard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO

### 6.3 DUCTILE IRON SPECIALS AS PER IS 9523/2000

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
	<b>ALL SOCKET</b>		
WD-M0778	100mm - 200 mm dia	Kg	146.70
WD-M0779	250 mm - 300 mm dia	Kg	149.00
WD-M0780	350 mm - 450 mm dia	Kg	151.00
WD-M0781	500 mm - 600 mm dia	Kg	151.00
WD-M0782	700 mm - 750 mm	Kg	224.40
WD-M0783	800mm	Kg	224.40
WD-M0784	900 mm	Kg	235.50
WD-M0785	1000 mm	Kg	255.70
	<b>ALL FLANGE</b>		
WD-M0786	100mm - 200 mm dia	Kg	147.90
WD-M0787	250 mm - 300 mm dia	Kg	153.00
WD-M0788	350 mm - 450 mm dia	Kg	157.10

WD-M0789	500 mm - 600 mm dia	Kg	160.20
WD-M0790	700 mm - 750 mm	Kg	229.50
WD-M0791	800 mm	Kg	232.40
WD-M0792	900 mm	Kg	244.80
WD-M0793	1000 mm	Kg	255.00

Note: In respect of flanged and spigot, flanged and socketted type specials, the rate applicable for flanged type specials is allowed.

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

### 7.0. HOUSE SERVICE CONNECTION IN WSS.

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
1	<b>HSC Connection in HDPE Mains for Water Supply Scheme</b>		
	Electrofusion tapping saddle PE 80 blue, PN 12.5 with female threaded metal insert of SS 304 as per standards BS EN 12201 tested as per BS 6920 for drinking water in WRC-NSF Ltd, UK. (Non Wrap with top loading type). Sizes:63mm to 315mm dia distribution HDPE pipes.		
WD-M0794	20mm (1/2")	1 No.	575.00
WD-M0795	25mm (3/4")	1 No.	575.00
WD-M0796	32mm (1")	1 No.	575.00
2	<b>HSC Connection in DI Mains for Water Supply Scheme</b>		
	Providing suitable dia non corrosive engineering plastic moulded Clamp Saddle with SS 304 threaded metal inserted for tapping outlet suiting for 1/2", 3/4" & 1" clear bore and with wide plastic strap (Engineering Plastic) with SS 304 suitable bolts & nuts. Saddle to have sealing of Thermo plastic elastomeric (TPE) material around.		
WD-M0797	20mm (1/2")	1 No.	740.00
WD-M0798	25mm (3/4")	1 No.	850.00
WD-M0799	32mm (1")	1 No.	880.00

3	<b>Common Items for HSC Connection</b>		
i	Brass Ferrule as per IS 319 grade of sizes 15mm, 20mm and 25mm size and threaded as per IS:1554 BSPT, ISO:7-1 to suit the corresponding bore sizes of 15mm, 20mm and 25mm dia size ( 1/2", 3/4" and 1") in the saddle Connection as per IS :1554 BSPT, ISO:7-1		
WD-M0800	15mm (1/2")	1 No.	161.00
WD-M0801	20mm (3/4")	1 No.	250.00
WD-M0802	25mm (1")	1 No.	320.00
ii	Poly Propylene compression Female Threaded Adaptor with metal insert of SS 304 as per standards ISO 14236 and Tested as per BS 6920 in WRC-NSF LTD, UK for connecting 15mm, 20mm and 25mm outlet points of Brass ferrule of sizes 15mm, 20mm and 25mm respectively.		
WD-M0803	20mm (1/2")	1 No.	125.00
WD-M0804	25mm (3/4")	1 No.	160.00
WD-M0805	32mm (1")	1 No.	190.00
iii	Poly propylene 90 Degree Compression elbow with compression joint at both ends as per standards ISO 14236 and Tested as per BS 6920 in WRC-NSF LTD, UK suitable for 20mm, 25mm and 32mm OD MDPE pipes		
WD-M0806	20mm (1/2")	1 No.	70.00
WD-M0807	25mm (3/4")	1 No.	90.00
WD-M0808	32mm (1")	1 No.	145.00
iv	Poly Propylene compression Female Threaded Elbow with metal insert of SS 304 as per standards ISO 14236 and Tested as per BS 6920 in WRC-NSF LTD, UK suitable for 20mm, 25mm and 32mm OD MDPE pipes		
WD-M0809	20mm (1/2")	1 No.	130.00
WD-M0810	25mm (3/4")	1 No.	160.00
WD-M0811	32mm (1")	1 No.	200.00
v	Poly Propylene compression Male Threaded Adaptor with metal insert of SS 304 as per standards ISO 14236 and Tested as per BS 6920 in WRC-NSF LTD, UK suitable for 20mm, 25mm and 32mm OD MDPE pipes		

WD-M0812	20mm (1/2")	1 No.	114.00
WD-M0813	25mm (3/4")	1 No.	150.00
WD-M0814	32mm (1")	1 No.	185.00
vi	MDPE PE 80 PN16 Blue pipe as per standards ISO 4427 and Tested as per BS 6920 in WRC-NSF LTD, UK		
WD-M0815	20mm (1/2")	1M	24.00
vii	MDPE PE 80 PN12.5 Blue pipe as per standards ISO 4427 and Tested as per BS 6920 in WRC-NSF LTD, UK, suitable for 20mm, 25mm and 32mm OD MDPE pipes		
WD-M0816	25mm (3/4")	1M	35.00
WD-M0817	32mm (1")	1M	38.50
viii	U PVC ball valve with one side compression end and other side female end as per ISO 4422-4 and Tested as per BS 6920 in WRC-NSF LTD, UK, size : 20mm ODX-1/2"ID, 25mm ODX1/2"ID and 32mm OD X 3/4" ID		
WD-M0818	20mm (1/2")	1 No.	137.30
WD-M0819	25mm (3/4")	1 No.	172.00
WD-M0820	32mm (1")	1 No.	209.10
WD-M0821	Supply and delivery of protection box of size 20cm x 30cm for fixing of Water Meter. The box should be rectangular base in construction and material of construction should be weather resistant polyethylene (PE) blue /black .Reinforcement ribs should be provided at the walls of the box. Box should be at two components comprising body and lid. Lid should be press fitted to the body. No hinges should be used for opened /closed. Operation meter box should be provided with built in lock. The body as inlet and outlet windows to pass the pipe through suitable for use with pipes of sizes up to 1" .Base of the box should be designed in such a way .That the box can be installed to the floor/wall using anchor Bolts / screws without grouting the entire base of the meter Box .Provision for fixing Name plate showing the name of the Department etc., complete and as directed by the TWAD Board Officers.	1 No.	450.00

Note :

- 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
- 2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
- 3) GST extra applicable as per GO

**8.0 BAR WRAPPED STEEL CYLINDER PIPES AS PER IS 15155 - 2002**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
	<b>4 Ksc Pipe</b>		
WD-M0822	350mm	Metre	4294.00
WD-M0823	400mm	Metre	4753.90
WD-M0824	450mm	Metre	5463.70
WD-M0825	500mm	Metre	5958.80
WD-M0826	600mm	Metre	7656.40
WD-M0827	700mm	Metre	8889.60
WD-M0828	800mm	Metre	10173.00
WD-M0829	900mm	Metre	12632.10
WD-M0830	1000mm	Metre	14628.90
WD-M0831	1100mm	Metre	20932.60
WD-M0832	1200mm	Metre	23236.90
WD-M0833	1300mm	Metre	25685.30
WD-M0834	1400mm	Metre	28673.60
WD-M0835	1500mm	Metre	34136.10
	<b>6 Ksc Pipe</b>		
WD-M0836	350mm	Metre	4296.40
WD-M0837	400mm	Metre	4761.00
WD-M0838	450mm	Metre	5470.80
WD-M0839	500mm	Metre	5971.70
WD-M0840	600mm	Metre	7667.00
WD-M0841	700mm	Metre	8913.00
WD-M0842	800mm	Metre	10187.10
WD-M0843	900mm	Metre	12645.00

WD-M0844	1000mm	Metre	14648.90
WD-M0845	1100mm	Metre	20946.70
WD-M0846	1200mm	Metre	23431.70
WD-M0847	1300mm	Metre	25699.50
WD-M0848	1400mm	Metre	28693.50
WD-M0849	1500mm	Metre	34163.10
	<b>8 Ksc Pipe</b>		
WD-M0850	350mm	Metre	4299.50
WD-M0851	400mm	Metre	4769.20
WD-M0852	450mm	Metre	5477.70
WD-M0853	500mm	Metre	5988.20
WD-M0854	600mm	Metre	7677.50
WD-M0855	700mm	Metre	8941.10
WD-M0856	800mm	Metre	10202.30
WD-M0857	900mm	Metre	12654.00
WD-M0858	1000mm	Metre	14670.00
WD-M0859	1100mm	Metre	20966.70
WD-M0860	1200mm	Metre	23236.90
WD-M0861	1300mm	Metre	25714.70
WD-M0862	1400mm	Metre	28719.30
WD-M0863	1500mm	Metre	34192.40
	<b>10 Ksc Pipe</b>		
WD-M0864	350mm	Metre	4302.20
WD-M0865	400mm	Metre	4773.90
WD-M0866	450mm	Metre	5489.50
WD-M0867	500mm	Metre	6004.60

WD-M0868	600mm	Metre	7691.70
WD-M0869	700mm	Metre	8972.10
WD-M0870	800mm	Metre	10221.20
WD-M0871	900mm	Metre	12662.60
WD-M0872	1000mm	Metre	14697.00
WD-M0873	1100mm	Metre	20993.70
WD-M0874	1200mm	Metre	23236.90
WD-M0875	1300mm	Metre	25734.60
WD-M0876	1400mm	Metre	28752.20
WD-M0877	1500mm	Metre	34225.30
	<b>12 Ksc Pipe</b>		
WD-M0878	350mm	Metre	4306.90
WD-M0879	400mm	Metre	4784.40
WD-M0880	450mm	Metre	5497.70
WD-M0881	500mm	Metre	6024.50
WD-M0882	600mm	Metre	7711.60
WD-M0883	700mm	Metre	8972.10
WD-M0884	800mm	Metre	10391.20
WD-M0885	900mm	Metre	12691.90
WD-M0886	1000mm	Metre	14897.60
WD-M0887	1100mm	Metre	21026.60
WD-M0888	1200mm	Metre	23380.00
WD-M0889	1300mm	Metre	25761.70
WD-M0890	1400mm	Metre	28793.30
WD-M0891	1500mm	Metre	34274.60

	<b>14 Ksc Pipe</b>		
WD-M0892	350mm	Metre	4310.40
WD-M0893	400mm	Metre	4800.80
WD-M0894	450mm	Metre	5514.10
WD-M0895	500mm	Metre	6051.50
WD-M0896	600mm	Metre	7731.50
WD-M0897	700mm	Metre	9418.60
WD-M0898	800mm	Metre	11375.60
WD-M0899	900mm	Metre	13547.20
WD-M0900	1000mm	Metre	16386.40
WD-M0901	1100mm	Metre	21107.50
WD-M0902	1200mm	Metre	23567.70
WD-M0903	1300mm	Metre	26208.70
WD-M0904	1400mm	Metre	30269.10
WD-M0905	1500mm	Metre	36945.90
	<b>16 Ksc Pipe</b>		
WD-M0906	350mm	Metre	4317.50
WD-M0907	400mm	Metre	4820.80
WD-M0908	450mm	Metre	5528.30
WD-M0909	500mm	Metre	6313.20
WD-M0910	600mm	Metre	8157.40
WD-M0911	700mm	Metre	10190.60
WD-M0912	800mm	Metre	12359.90
WD-M0913	900mm	Metre	14767.30
WD-M0914	1000mm	Metre	17916.30
WD-M0915	1100mm	Metre	21597.80

WD-M0916	1200mm	Metre	25179.70
WD-M0917	1300mm	Metre	28752.20
WD-M0918	1400mm	Metre	33282.00
WD-M0919	1500mm	Metre	40875.20
	<b>18 Ksc Pipe</b>		
WD-M0920	350mm	Metre	4324.50
WD-M0921	400mm	Metre	4834.90
WD-M0922	450mm	Metre	5752.30
WD-M0923	500mm	Metre	5752.30
WD-M0924	600mm	Metre	8532.80
WD-M0925	700mm	Metre	10672.80
WD-M0926	800mm	Metre	13015.80
WD-M0927	900mm	Metre	15561.70
WD-M0928	1000mm	Metre	18006.60
WD-M0929	1100mm	Metre	22782.80
WD-M0930	1200mm	Metre	26547.70
WD-M0931	1300mm	Metre	30402.90
WD-M0932	1400mm	Metre	35122.80
WD-M0933	1500mm	Metre	42802.70

Note : 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO

### 9.0. PIPES FOR UGSS

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
1	Supply and Delivery of DWC Structured Wall Polyethylene Piping Systems (Pipe with online/offline coupler and elastomeric sealing ring) with required specials non-smooth external annular corrugated and smooth internal surface (Double wall) (SN 8 Class) for non-pressure underground sewerage, drainage application generally as per IS-16098 (Part-2) type B.		
WD-M0934	150mm ID SN 8 pipe	Per M	262.10
WD-M0935	200mm ID SN 8 pipe	Per M	465.20
WD-M0936	250mm ID SN 8 pipe	Per M	737.10
WD-M0937	300mm ID SN 8 pipe	Per M	1076.30
2	Supply and delivery of HDPE pipes for sewerage PE 100 PN 6 conforming to IS : 14333/1996 (amended in 2009)		
WD-M0938	125 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	586.00
WD-M0939	140 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	734.50
WD-M0940	160 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	958.00
WD-M0941	180 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	1206.00
WD-M0942	200 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	1494.00
WD-M0943	225 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	1882.50
WD-M0944	250 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	2323.00
WD-M0945	280 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	2905.50
WD-M0946	315 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	3677.50
WD-M0947	355 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	4659.50
WD-M0948	400 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	6055.50
WD-M0949	450 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	7771.50

WD-M0950	500 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	9605.50
WD-M0951	560 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	12006.50
WD-M0952	630 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	15206.00
WD-M0953	710 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	19606.50
WD-M0954	800 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	24870.50
WD-M0955	900 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	31503.50
WD-M0956	1000 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	38919.50
WD-M0957	1100 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	47921.50
WD-M0958	1200 mm/ PN.6/HDPE Pipe 'ISI'(PE 100 Grade)	Per M	47921.50

Note : 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO

**10.0 M.S. PIPES- SPIRAL/LONGITUDIDNAL WELDING AS PER IS 3589/2001 WITH INTERNAL LINING AND EXTERNAL COATING MADE WITH FE410**

1	Supply and Delivery of MS pipes of preferred dimensions ranging from 168.30mm OD to 2540mm OD having 2.6mm to 25mm thickness as per Table- 5 of IS 3589/2001 fabricated with Fe410 grade steel conforming to IS 3589:2001 and other allied codes.
2	Pipes shall be internally lined with plant applied cement mortar lining 1:2, The Lining thickness range from 6 mm to 12 mm for 168.3 mm OD to 2540 mm OD as per Table -8 of IS 3589:2001
3	Pipes shall be externally coated with plant applied CM 1:3, minimum 20mm thick including reinforcement as per clause A-9 of Annex-A of IS 3589:2001 (OR)
4	Coal Tar Enamel Wrapping Tape as per IS 15337:2013

Unique Code	Dia metre & thickness of pipe in mm	Rate for 2024 -25 in Rupees				
		Bare pipe per metre	CML Internal 6mm to 12mm thick per metre	CMC external 20mm thick per metre	CTE Wrapping Tape IS 15337: 2013	Transportation charges upto stockyard anywhere in Tamilnadu Per metre
		A	B	C	D	E
WD-M0959	168.3X2.6	860.50	378.70	602.60	806.20	370.30
WD-M0960	168.3X3.2	1002.90	378.70	602.60	806.20	370.30
WD-M0961	168.3X4	1315.10	378.70	602.60	806.20	370.30
WD-M0962	168.3X4.5	1478.00	378.70	611.70	806.20	370.30
WD-M0963	219.1X2.6	1126.10	492.30	785.00	1055.50	370.30
WD-M0964	219.1X3.6	1548.50	492.30	785.00	1055.50	370.30
WD-M0965	219.1X4.5	1864.40	492.30	785.00	1055.50	370.30
WD-M0966	219.1X6.3	2581.30	492.30	785.00	1055.50	370.30
WD-M0967	273X3.6	1938.60	614.20	978.10	1353.60	370.30
WD-M0968	273X4	2154.00	614.20	978.10	1353.60	370.30
WD-M0969	273X5	2653.00	614.20	978.10	1353.60	370.30
WD-M0970	273X6.3	3226.30	614.20	978.10	1353.60	370.30
WD-M0971	323.9X4	2556.10	728.80	1142.30	1614.60	370.30

WD-M0972	323.9X4.5	2650.70	728.80	1142.30	1614.60	370.30
WD-M0973	323.9X5.6	3369.90	728.80	1142.30	1614.60	370.30
WD-M0974	323.9X7.1	4444.40	728.80	1142.30	1614.60	370.30
WD-M0975	355.6X4	2722.50	799.90	1271.60	1706.90	370.30
WD-M0976	355.6X5	3441.70	799.90	1271.60	1706.90	370.30
WD-M0977	355.6X5.6	3871.30	799.90	1271.60	1706.90	370.30
WD-M0978	355.6X8	5304.90	799.90	1271.60	1706.90	370.30
WD-M0979	406.4X4	3083.90	913.40	1440.40	1850.10	392.70
WD-M0980	406.4X5	3584.10	913.40	1440.40	1850.10	392.70
WD-M0981	406.4X6.3	4875.30	913.40	1440.40	1850.10	392.70
WD-M0982	406.4X8.8	6738.50	913.40	1440.40	1850.10	392.70
WD-M0983	457X4	3584.10	1028.00	1440.40	1707.90	392.70
WD-M0984	457X5	4444.40	1028.00	1440.40	1708.30	392.70
WD-M0985	457X6.3	5379.20	1028.00	1440.40	1708.30	392.70
WD-M0986	457X10	8603.10	1028.00	1440.40	1838.40	392.70
WD-M0987	508X5	4947.10	1085.30	1542.20	1838.40	465.10
WD-M0988	508X5.6	5448.50	1085.30	1542.20	1838.40	465.10
WD-M0989	508X6.3	6094.80	1085.30	1542.20	1838.40	465.10
WD-M0990	508X11	10467.30	1085.30	1542.20	1838.40	465.10
WD-M0991	610X5.8	6811.60	1332.10	1842.10	2191.70	589.60
WD-M0992	610X6.3	7528.30	1336.20	1846.20	2186.40	589.60
WD-M0993	610X12.5	14336.30	1336.20	1846.20	2186.40	589.60
WD-M0994	711X6.3	8459.40	1598.60	2199.10	2572.40	589.60
WD-M0995	711X7.1	9604.60	1598.60	2199.10	2572.40	589.60
WD-M0996	711X14.2	19355.20	1598.60	2199.10	2572.40	589.60
WD-M0997	813X7.1	9749.50	1827.80	2490.90	2754.90	783.40
WD-M0998	813X8	13227.00	1827.80	2490.90	2754.90	783.40

WD-M0999	813X18	28673.90	1827.80	2490.90	2775.10	783.40
WD-M1000	914X8	13619.70	2006.30	2664.20	3220.70	1048.60
WD-M1001	914X8.8	15053.20	2006.30	2664.20	3220.70	1048.60
WD-M1002	914X10	16988.20	2006.30	2664.20	3220.70	1048.60
WD-M1003	914X17.5	29390.70	2006.30	2664.20	3220.70	1048.60
WD-M1004	1016X8.8	16917.60	2242.00	3127.30	3781.80	2084.90
WD-M1005	1016X10	19355.20	2242.00	3127.30	3781.80	2084.90
WD-M1006	1016X20	37276.90	2242.00	3127.30	3781.80	2084.90
WD-M1007	1067X8.8	17634.20	2304.20	3185.50	3860.30	2084.90
WD-M1008	1067X10	20072.10	2304.20	3185.50	3860.30	2084.90
WD-M1009	1067X11	21792.90	2304.20	3185.50	3251.40	2084.90
WD-M1010	1118X8.8	18443.30	2478.60	3241.60	3951.50	2084.90
WD-M1011	1118X10	20787.70	2478.60	3241.60	3951.50	2084.90
WD-M1012	1118X11	21936.50	2478.60	3241.60	3951.50	2084.90
WD-M1013	1219X10	22723.90	2741.10	3358.90	4469.20	2084.90
WD-M1014	1219X11	25088.60	2741.10	3138.50	4469..20	2084.90
WD-M1015	1219X12.5	28673.90	2741.10	3138.50	4454.30	2084.90
WD-M1016	1422X12.5	33189.00	3069.20	4167.70	4893.60	2084.90
WD-M1017	1422X14.2	37993.70	3069.20	4167.70	4893.60	2084.90
WD-M1018	1626X14.2	43153.90	3069.20	4748.10	6081.60	2789.70
WD-M1019	1626X16	49462.80	3655.60	4748.10	6081.60	2679.50
WD-M1020	1829X14.2	49462.80	3655.60	5327.50	6279.90	2813.20
WD-M1021	1829X16	55340.80	3761.80	5327.50	6279.90	2813.20
WD-M1022	1829X17.5	60516.60	3761.80	5327.50	6279.90	2813.20
WD-M1023	2032X16	61648.60	4426.80	6022.10	7092.60	3078.40
WD-M1024	2032X17.5	66809.90	4426.80	6022.10	7092.60	3350.70
WD-M1025	2032X20	75413.00	4426.80	6022.10	7092.60	3350.70

WD-M1026	2235X17.5	74552.50	4957.20	6142.40	7753.40	3387.40
WD-M1027	2235X20	86021.70	4957.20	6142.40	7753.40	3387.40
WD-M1028	2235X22.2	93190.90	4957.20	6142.40	7753.40	3387.40
WD-M1029	2540X20	100359.00	5666.10	7528.60	8971.20	3727.10
WD-M1030	2540X22.2	107528.50	5666.10	7528.60	8971.20	3727.10
WD-M1031	2540X25	121864.70	5666.10	7528.60	8971.20	3727.10

Note :1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site,Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO.

#### 10.1 MS SPECIALS AS PER IS 1916 & 7322-1985

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
WD-M1032	Supply and Delivery of MS specials with inside lining/epoxy coating as per IS 13260-1993 and outside coating with cement mortar 20mm thick as per IS 1916-1989 and IS 7322-1985.	Kg	145.40
WD-M1033	Supply and Delivery of MS specials as per IS 7322-1985 without inside lining and outside coating.	Kg	132.60
WD-M1034	Supply and Delivery of MS specials without inside lining and outside coating but with anti rust painting as per IS 14589 -1999.	Kg	136.90

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO.

### 11.0 RCC NON PRESSURE SPUN PIPE AS PER IS 458/2003

RCC non pressure spun pipe with socket and spigot ends as per IS 458/2003 manufactured with sulphate resistant cement with 12 mm HI -alumina lining with rubber ring joints.

Unique Code	Internal Dia.	Unit	Rate for 2024-25 in Rupees		
			NP2 Class	NP3 Class	NP4 Class
			A	B	C
WD-M1035	200mm	One Metre	708.40	751.10	794.90
WD-M1036	250mm	One Metre	816.80	881.40	925.10
WD-M1037	300mm	One Metre	955.80	1076.20	1185.70
WD-M1038	350mm	One Metre	1261.20	1850.30	1894.20
WD-M1039	400mm	One Metre	1565.70	2017.90	2143.70
WD-M1040	450mm	One Metre	1722.30	2430.60	2652.90
WD-M1041	500mm	One Metre	2266.30	2753.60	3061.20
WD-M1042	600mm	One Metre	2152.70	3166.40	3528.70
WD-M1043	700mm	One Metre	3570.40	4831.60	4998.00
WD-M1044	800mm	One Metre	4156.10	5776.50	6231.90
WD-M1045	900mm	One Metre	3251.70	6662.20	7205.30
WD-M1046	1000mm	One Metre	5438.20	7370.60	8517.00
WD-M1047	1100mm	One Metre	6482.60	10530.40	11725.90
WD-M1048	1200mm	One Metre	7438.60	12851.50	14151.10
WD-M1049	1400mm	One Metre	8897.90	15908.20	18127.60
WD-M1050	1500mm	One Metre	17490.30	19232.40	20064.40
WD-M1051	1600mm	One Metre	20345.80	23655.50	24591.70

Note : 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.

2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.

3) GST extra applicable as per GO

**11.1 RUBBER GASKETS AS PER IS 5382/1985 (Reaffirmed 1998)**

Unique Code	Internal Dia	Unit	Rate for 2024-25 in Rupees		
			NP2 Class	NP3 Class	NP4 Class
			A	B	C
WD-M1052	200mm	Each	39.20	44.90	53.00
WD-M1053	250mm	Each	44.90	53.00	62.30
WD-M1054	300mm	Each	53.00	62.30	69.10
WD-M1055	350mm	Each	62.30	76.10	84.10
WD-M1056	400mm	Each	85.10	101.30	107.10
WD-M1057	450mm	Each	109.30	121.00	122.00
WD-M1058	500mm	Each	121.00	145.10	145.10
WD-M1059	600mm	Each	145.10	181.80	188.70
WD-M1060	700mm	Each	189.90	222.10	237.20
WD-M1061	800mm	Each	217.60	260.10	268.30
WD-M1062	900mm	Each	255.10	317.70	336.00
WD-M1063	1000mm	Each	269.30	331.40	366.00
WD-M1064	1100mm	Each	295.80	366.00	402.90
WD-M1065	1200mm	Each	331.40	407.50	448.80
WD-M1066	1400mm	Each	441.90	545.50	600.70
WD-M1067	1500mm	Each	498.31	617.90	680.10
WD-M1068	1600mm	Each	554.80	690.50	759.60

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.0.****CI D/F SLUICE VALVE WITH CAP/ WHEEL AS PER IS 14846/2000 PN 1.0 WITH ISI MARKING AND WITH 5 YEARS WARRANTY**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1069	50 mm	Each	4223
WD-M1070	65mm	Each	4847
WD-M1071	80mm	Each	5004
WD-M1072	100mm	Each	6973
WD-M1073	125mm	Each	8756
WD-M1074	150mm	Each	10320
WD-M1075	200mm	Each	18607
WD-M1076	250mm	Each	27675
WD-M1077	300mm	Each	35650
WD-M1078	350mm	Each	52223
WD-M1079	400mm	Each	70736
WD-M1080	450mm	Each	89281
WD-M1081	500mm	Each	112109
WD-M1082	600mm	Each	155891
WD-M1083	700mm	Each	348729
WD-M1084	750mm	Each	388897
WD-M1085	800mm	Each	474398
WD-M1086	900mm	Each	622054
WD-M1087	1000mm	Each	919862
WD-M1088	1100mm	Each	1113435
WD-M1089	1200mm	Each	1311231

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

**12.1**

**C.I. D/F REFLUX VALVE AS PER I.S. 5312/2004/ PART I/ 84 PN 1.0 WITH BYE-PASS ARRANGEMENTS WITH ISI MARKING AND WITH 5 YEARS WARRANTY**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1090	50 mm	Each	4711
WD-M1091	65 mm	Each	5250
WD-M1092	80 mm	Each	6376
WD-M1093	100 mm	Each	8235
WD-M1094	125 mm	Each	10431
WD-M1095	150 mm	Each	12461
WD-M1096	200 mm	Each	26240
WD-M1097	250 mm	Each	38684
WD-M1098	300 mm	Each	50223
WD-M1099	350 mm	Each	79523
WD-M1100	400 mm	Each	104482
WD-M1101	450 mm	Each	146451
WD-M1102	500 mm	Each	210940
WD-M1103	600 mm	Each	272600

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

<b>12.2</b>	<b>C.I. DOUBLE AIR VALVE AS PER ISI 14845/2000 AND WITH 5 YEARS WARRANTY</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1104	40 mm	Each	4223
WD-M1105	50 mm	Each	4692
WD-M1106	80 mm	Each	8261
WD-M1107	100 mm	Each	10522

WD-M1108	150mm	Each	21265
WD-M1109	200mm	Each	30177

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.3 CI SINGLE AIR VALVE AS PER ISI 14845/2000 AND WITH 5 YEARS WARRANTY**

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1110	15mm	Each	1297
WD-M1111	25 mm	Each	1865
WD-M1112	40 mm	Each	2331
WD-M1113	50 mm	Each	2583
WD-M1114	80 mm	Each	3460
WD-M1115	100 mm	Each	3767
WD-M1116	150mm	Each	6705

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.4 KINETIC AIR VALVES FOR HANDLING MORE VOLUMES OF AIR IN PUMPING MAIN, DOUBLE ORIFICE KINETIC AIR VALVE CONFIRMING TO IS 14845 TAMPER PROOF DESIGN (PN-1) AND WITH 5 YEARS WARRANTY**

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1117	50mm	Each	12103
WD-M1118	80mm	Each	15193
WD-M1119	100mm	Each	19232
WD-M1120	150mm	Each	31428
WD-M1121	200mm	Each	56729

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.5****CI SLUICE VALVES NON RAISING SPINDLE TYPES TO PRESSURE RATING OF 1.6 PN TO BE USED IN PUMP HOUSES (LONG BODY/ LONG FACE TO FACE) Conforming to IS AND WITH 5 YEARS WARRANTY**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1122	100mm	Each	9944
WD-M1123	125mm	Each	12317
WD-M1124	150mm	Each	15380
WD-M1125	200mm	Each	27414
WD-M1126	250mm	Each	36934
WD-M1127	300mm	Each	50976
	With spur gear arrangements		
WD-M1128	350mm	Each	77836
WD-M1129	400mm	Each	105425
WD-M1130	450mm	Each	130302
WD-M1131	500mm	Each	163526
WD-M1132	600mm	Each	232337

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.6****LINEAR CONTROLLED ELECTRICALLY OPERATED ACTUATOR FOR EXISTING CI SLUICE VALVE**

Supply and Delivery of linear controlled electrically operated Actuator with position feedback sensor suitable for fixing on the existing CI sluice valves at the pumping with required mechanical adaptor arrangements and mounting accessories etc., complete as directed by TWAD board officials with following specifications,

Voltage/ Phase/ Frequency: 415V, 3 phase, 50 Hz

Enclosure: Water tight to IP 68, IP68 to IEC 29, Naturally/Oil Cooled

Type of Mounting :Face Flange Mounting

Bearings: Deep grooved sealed ball bearing lubricated for life.

Class of Insulation: Class F or equivalent

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1133	100mm	1 No.	164453.00
WD-M1134	150mm	1 No.	172435.00

WD-M1135	200mm	1 No.	194562.00
WD-M1136	250mm	1 No.	213765.00
WD-M1137	300mm	1 No.	242567.00
WD-M1138	350mm	1 No.	267458.00
WD-M1139	400mm	1 No.	296547.00
WD-M1140	450mm	1 No.	324568.00
WD-M1141	600mm	1 No.	384564.00

- Note :
- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
  - 2) GST extra applicable as per GO

**12.7 BUTTERFLY VALVES WITH TOP AND BOTTOM OF S.S. 410 SHAFT, WAFER LINER/ WITH REDUCTION GEAR UNIT (CONFORMING TO BS 5155 & IS 13095/1996) AND WITH 5 YEARS WARRANTY**

<b>12.7.1</b>	<b>WAFER LINER</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1142	100mm	Each	3408
WD-M1143	150mm	Each	4833
WD-M1144	200mm	Each	7999
WD-M1145	250mm	Each	15026
WD-M1146	300mm	Each	17208
<b>12.7.2</b>	<b>D/F GEAR OPERATED</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1147	400mm	Each	70142
WD-M1148	450mm	Each	86651
WD-M1149	500mm	Each	99026
WD-M1150	600mm	Each	130657

Construction Conforming to standard BS 5155 Butterfly valve with Body, Disc and retainer of Cast Iron Grade F.260 with EDPM rubber sleeve. Internal hardware shall be confirming to AISI 304. External hardware Carbon Steel shall be confirming to IS 1367. Top and bottom shaft stainless steel to AISI 410. Body and disc should be tested (Hydro test) to 15 kg/sq.cm and with 5 years warranty.

### 12.7.3 CI D/F SLUICE VALVE WITH ACTUATOR

Supply and delivery of following sizes of CI D/F Sluice Valves of BIS mark with actuator for nominal pressure, suitable for operating with CI handle and key rod etc., at site of work inclusive of taxes, duties, levies, transport, insurance but excluding GST etc., including electrical connection and cost of cable and all materials and labour etc complete as directed by TWAD Officers

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1151	150 mm Sluice Valve with Actuator	Each	126000
WD-M1152	200 mm Sluice Valve with Actuator	Each	157500
WD-M1153	300 mm Sluice Valve with Actuator	Each	210000

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 12.7.4 ELECTRICALLY OPERATED BUTTERFLY VALVE WITH 5 YEARS WARRANTY

Supply and Installation of electrically operated 50mm/80mm/100mm ON/OFF valve with suitable coupling in the inlet pipeline of the Sump to Control the water flow to avoid any overflow in the sump including two year maintenance with following specifications.

Working Medium : Water  
Medium Temperature : 0 to 80 Deg.C  
Working Type : Direct Current Pulse  
Sealing Material : NBR / EPDM  
Interface : G Thread, NPT Thread / Wafer  
Working Voltage : less than 24VDC  
Coil resistance : 25 Ohm  
Minimum Current : 100mA  
Pulse Width :  $\geq 10$ ms  
Power supply : 24V DC  
Current Consumption : less than 3 Amps  
Rated for : 100,000 operations  
Valve Type : Butterfly  
Diameter : 50mm/80mm/100mm  
Ingress Protection : IP67  
Open / Close Method : Limited by internal limit switches  
Open / Close Capacity: Fully closed or Fully Open only  
Maximum operating Pressure : 10 bar  
Body Material : CI / DI / SS

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1154	50mm	Each	76750
WD-M1155	80mm	Each	77000
WD-M1156	100mm	Each	77600

**12.7.5****ELECTRICALLY OPERATED ACTUATOR SUITABLE FOR EXISTING BUTTERFLY VALVES**

Supply and delivery of electrically operated actuator suitable for fixing on the existing butterfly valves at the pumping with required mechanical adaptor arrangements and mounting accessories etc., complete as directed by TWAD Board officials. with following specifications, 24v dc enclosure: water tight to IP 68, IP 68 to IEC 29, naturally/oil cooled type of mounting : face flange mounting

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1157	250MM	Each	158293.00
WD-M1158	300MM	Each	217404.00
WD-M1159	400MM	Each	296547.00
WD-M1160	500MM	Each	371000.60
WD-M1161	600MM	Each	445143.00

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.7.6****COMMISSIONING OF ELECTRICALLY OPERATED ACTUATOR FOR SLUICE VALVE**

Installation, Testing and Commissioning of Electrically operated Actuator for the existing sluice valves of different ranges with all necessary labours, tools & tackles, Specials, Nuts, Bolts, Washers, Companion flanges, Gaskets including all materials etc.

WD-M1162	<b>RS. 22500/- Per Job</b>
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Note :1) GST extra applicable as per GO

**12.7.7****PNEUMATIC OPERATED ACTUATOR FOR BUTTERFLY VALVE**

Supply delivery and fixing of Pneumatic Actuator with position indicator with 3phase , 415V, 50Hz, Ac motor with embedded thermostats , two limit switches, torque switches space leaker, hand wheel for emergency manual operation wired on terminal blocks, secondary gear box with dark grey epoxy paint to operate following size of valves etc

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1163	Butterfly Valve of size 400mm Dia, PN16	Each	340000
WD-M1164	Butterfly Valve of size 700mm Dia, PN16	Each	400000

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.8 NON RETURN VALVES****12.8.1 WAFER TYPE (DUAL PLATE CHECK VALVE) CONFORMING TO IS AND WITH 5 YEARS WARRANTY**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1165	100mm	Each	4113
WD-M1166	150mm	Each	8372
WD-M1167	200mm	Each	16052
WD-M1168	250mm	Each	26050
WD-M1169	300mm	Each	36297

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

<b>12.8.2</b>	<b>DOUBLE FLANGED (DUAL PLATE CHECK VALVE) AND WITH 5 YEARS WARRANTY</b>		
<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1170	400mm	Each	85016
WD-M1171	450mm	Each	93419
WD-M1172	500mm	Each	108196
WD-M1173	600mm	Each	129810
WD-M1174	700mm	Each	179478
WD-M1175	800mm	Each	259956
WD-M1176	900mm	Each	287100
WD-M1177	1000mm	Each	376343
WD-M1178	1100mm	Each	404494
WD-M1179	1200mm	Each	432646

Construction conforming to standard API 594. Body should confirm cast iron Grade FG 260 (IS 210), Disc plates confirming to ASTM A216, hinch pin/ stop pin/ spring should be of SS to AISI 410/304. Body seat should be of EDPM rubber. The body should be tested to 15 kg/ sq.cm and seat should be tested to 10 kg/ sq.cm and with 5 years warranty.

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### **12.8.3 D/F NON RETURN VALVE (OUT DOOR USE) AND WITH 5 YEARS WARRANTY**

CI Single Door/ Multi Door Non return valve conforming to IS 5312/2003 (part I & II) to be fixed after Water meter/ Flow recorder on pumping main near Pump house with dash pot arrangement for 90% fast closing & 10% slow closing with 5 years warranty.

<b>Sl.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1180	300mm	Each	67342
WD-M1181	350mm	Each	102788
WD-M1182	400mm	Each	124020
WD-M1183	450mm	Each	172177
WD-M1184	500mm	Each	225674
WD-M1185	600mm	Each	323340
WD-M1186	700/750mm	Each	543934
WD-M1187	800mm	Each	631462
WD-M1188	900mm	Each	1122729
WD-M1189	1000mm	Each	1215291
WD-M1190	1100mm	Each	1767925
WD-M1191	1200mm	Each	1944093

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

## 12.9 DI SINGLE CHAMBER AIR RELEASE VALVE

Manufacture, Supply and Delivery of Tamper proof DI single chamber double orifice triple function (ventilating, admitting & ventilating during operation) air release valve with pressure rating PN 10/16 with body and cover made of Ductile Iron of Grade GGG 40 or GGG 50, conforming to IS 1865 with Food Grade Epoxy Powder coating (EP-P) inside and for outside of colour blue RAL 5005. All internal parts such as float, shell etc., cover bolts, made of Austenitic alloy steel of SS AISI 304/316. The float shall be made of Polytetrafluoroethylene/ Austenitic alloy steel of AISI 304/316. Gaskets and seals of EPDM / Neoprene rubber for TWAD Board works anywhere in Tamil Nadu and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1192	50mm	Each	13251
WD-M1193	80mm	Each	16845
WD-M1194	100mm	Each	18929
WD-M1195	150mm	Each	35632
WD-M1196	200mm	Each	38897

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

## 12.10 DI D/F GATE VALVES

Supply and delivery of DI D/F Gate (sluice) valves (soft seated) resilient seated soft sealing Gate Valves (Sluice Valves) with body Bonnet of Ductile cast iron of Grade GGG 40 or GGG 50, Wedge fully rubber lined with EPDM replaceable spindle nut without gland packing and with 3 O- Ring protection on the shaft and seals of NBR and the valves should be of Vacuum tight and 100% leak proof with face to face dimensions as per BS 5163-89/ISI 14846-2000/DIN 3202 F4. All the valves should be with electrostatic powder coating both inside and out side with pocket less straight through body passage. All the valves are to be compatible for buried application with pressure rating PN 10/16 and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1197	50mm	Each	8306
WD-M1198	80mm	Each	10642
WD-M1199	100mm	Each	14025
WD-M1200	150mm	Each	22090
WD-M1201	200mm	Each	35345
WD-M1202	250mm	Each	50838

WD-M1203	300mm	Each	76841
WD-M1204	350mm	Each	223950
WD-M1205	400mm	Each	240098
WD-M1206	500mm	Each	240098

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

### 12.11 DI D/F BUTTERFLY VALVES

Supply and delivery of DI D/F Butterfly Valves with GGG 40 or GGG 50 as per IS3896 (Part 2) 1985 and subsequent revisions Double eccentric disc with renewable soft seal on the disc and body seat face of Stainless Steel / nickel weld overlay micro finished with powder or liquid Epoxy coating with minimum thickness of 250 microns applied on both body and disc inside and outside Face to Face dimensions as per AWWA C 504 or BS 5155 or IS 13095 and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees	
			PN 10	PN 16
WD-M1207	400mm	Each	165111	189123
WD-M1208	450mm	Each	207625	212091
WD-M1209	500mm	Each	214113	214113
WD-M1210	600mm	Each	280624	280624
WD-M1211	700mm	Each	448367	525922
WD-M1212	800mm	Each	562174	600591
WD-M1213	900mm	Each	742198	785450
WD-M1214	1000mm	Each	955852	984600
WD-M1215	1100mm	Each	1130081	1132298
WD-M1216	1200mm	Each	1319253	1319253

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

### 12.12 DI Non - Return Valve

Manufacture, Supply and Delivery of DI D/F Slanted seat Swing Check Valve. Body of ductile cast iron of Grade GGG 40 or GGG 50 and disc of ductile cast iron GGG 40 or GGG 50 with fully encapsulated EPDM rubber, where both faces can be used. Electrostatic epoxy powder/ liquid coating (EP-P) inside and outside color blue RAL 5005 with minimum coating thickness of 250 microns. The EPDM rubber & Epoxy Powder should be approved by W 270. (EP-P) it is a resi-coat powder approved for drinking water application, applied through fusion bonding process by dipping the shot-blasted casted components heated up to 200 deg C). Face to face dimensions as per EN558-1, series 48 and flange connections as per EN 1092-2/IS 1538 and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1217	40mm	Each	11422
WD-M1218	50mm	Each	11583
WD-M1219	65mm	Each	13163
WD-M1220	80mm	Each	16105
WD-M1221	100mm	Each	13413
WD-M1222	125 mm	Each	30089
WD-M1223	150mm	Each	36944
WD-M1224	200 mm	Each	40115
WD-M1225	250mm	Each	101991
WD-M1226	300mm	Each	129595

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 12.13 DI Wafer type Butterfly Valve

Manufacturing, supply and delivery of resilient seated wafer type butterfly valve in accordance with EN 593, centric disk mounted in three maintenance-free bearing bushes, tight in both flow directions, Replaceable rubber sleeve with integrated seal for functionally reliable use for flared flanges, welding flanges, PE flanges as well as loose flanges with V-collar, Stable seat due to collar with vulcanized support ring. Vacuum tight upto 1 Torr. Face to face length acc.to 558-1, basic series 20 (DIN 3202/k1). With Electrostatic epoxy powder coating (EP-P) inside and outside color blue RAL 5005 with minimum coating thickness of 250 microns. The EPDM rubber & Epoxy Powder should be approved by W 270. (EP-P, it is resi-coat powder approved for drinking water application, applied through fusion bonding technology process by dipping the shot-blasted casted components heated upto 200 deg C) and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1227	40mm	Each	10082

WD-M1228	50mm	Each	10476
WD-M1229	65mm	Each	10560
WD-M1230	80mm	Each	11514
WD-M1231	100mm	Each	13307
WD-M1232	125 mm	Each	15084
WD-M1233	150mm	Each	22914
WD-M1234	200 mm	Each	27088
WD-M1235	250mm	Each	45231
WD-M1236	300mm	Each	75626
WD-M1237	350mm	Each	115517
WD-M1238	400mm	Each	157661
WD-M1239	450mm	Each	263908
WD-M1240	500mm	Each	270222

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

#### 12.14 DI Disk Check Valve (Non Return Valve)

Manufacture, supply and delivery of DI D/F Slanted seat Tilting Disc Swing Check Valve in single piece body and closed eye disc construction. Hemispherical disc with 59 degree inclination for fast open and closing. Corrosion proof and wear resistant(triple offset) disc face & body seat face, both made of fusion bonded Nickel Chromium weld overlay and microfinished. Body and disc of ductile cast iron GGG-40 or GGG-50, medium free (dry) shafts of stainless steel and bearings of Zinc-free Bronze, Valve should have provision for internal damping unit for reducing the effects of water hammer/surge, if required at later stage. Electrostatic epoxy powder/ liquid coating(EP-P) inside and outside color blue RAL 5005 with minimum coating thickness of 150 microns. The EPDM rubber & Epoxy Powder should be approved by W 270.(EP-P it is a resi-coat powder approved for drinking water application, applied through fusion bonding technology process by dipping the shot-blasted casted components heated upto 200deg C). Face to face dimensions as per EN 558-1 series 14 and flange connections as per EN 1092-2/ IS and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees	
			PN 10	PN 16
WD-M1241	200mm	Each	397866	399907
WD-M1242	250mm	Each	400474	402528

WD-M1243	300mm	Each	412251	414314
WD-M1244	350mm	Each	455808	458146
WD-M1245	400mm	Each	476948	476948
WD-M1246	450mm	Each	558616	601736
WD-M1247	500mm	Each	581630	609379
WD-M1248	600mm	Each	743809	760089
WD-M1249	700mm	Each	1639763	1686736
WD-M1250	800mm	Each	1906064	1988904
WD-M1251	900mm	Each	2170471	2218957
WD-M1252	1000mm	Each	2655583	2703093

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 12.15 DI Diaphragm Type Flow Control Valve

**12.15.1 DI Altitude Control Valve (PN10/16)** with the function to prevent water level in a tank from exceeding a set level. The set level can be changed as per the requirement. "Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Altitude Control valve with cast body of ductile iron grade GGG-40 or GGG-50 or as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270. (EP-P)/WRAS & NSF." Pilot valve system having Stainless Steel / Brass fittings as per standard parts according to DIN EN 12 266-1 with all the external control tubing of SS 304 / copper / reinforced plastic rated PN16 Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve / speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1253	50mm	Each	104883
WD-M1254	65mm	Each	107546
WD-M1255	80mm	Each	118480
WD-M1256	100mm	Each	147673
WD-M1257	150mm	Each	194178

WD-M1258	200 mm	Each	300289
WD-M1259	250mm	Each	369228
WD-M1260	300mm	Each	572432
WD-M1261	350mm	Each	849141
WD-M1262	400mm	Each	1416172

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.15.2 DI Pressure Reducing Valve (PN10/16)** with the function to reduce downstream pressure to set point irrespective of upstream fluctuations. The downstream pressure set point can be changed as per the requirement.

“Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Pressure Reducing valve with cast body of ductile iron grade GGG-40 or GGG-50 or as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. 2 pressure gauges for operator-friendly control to determine the actual inlet and outlet pressure connected directly to the valve. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270.(EP-P)/WRAS & NSF.”

Pilot valve system having Stainless Steel / Brass fittings with spring of SS 304 as per standard parts according to DIN EN 12 266-1 with all the external control tubing of SS 304 / Copper/ reinforced plastic rated PN16, Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve/ speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1263	50mm	Each	64495
WD-M1264	65mm	Each	69372
WD-M1265	80mm	Each	82181
WD-M1266	100mm	Each	89574
WD-M1267	150mm	Each	126908
WD-M1268	200 mm	Each	206142
WD-M1269	250mm	Each	294969
WD-M1270	300mm	Each	464498

WD-M1271	350mm	Each	657114
WD-M1272	400mm	Each	1304671

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.15.3 DI Flow rate Limit control Valve (PN10/16)** with the function to limit the flow rate to a set point. In case the downstream demand increases beyond the set limit, the valve closes down to bring the flow back to set limit. The valve shall have an orifice plate and the orifice diameter is designed based on the set point as per the requirement and installed downstream of the control valve.

"Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Flow rate Limit Control valve with cast body of ductile iron grade GGG-40 or GGG-50 or as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270. (EP-P)/ WRAS & NSF."

Pilot valve system having Stainless Steel / Brass fittings with spring of stainless steel 304 as per standard parts according to DIN EN 12 266-1, orifice plate shall be as per the set point of flow rate and all the external control tubing of SS 304 / Copper/ reinforced plastic rated PN16, Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve/ speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1273	50mm	Each	87039
WD-M1274	65mm	Each	88776
WD-M1275	80mm	Each	96658
WD-M1276	100mm	Each	103497
WD-M1277	150mm	Each	161010
WD-M1278	200 mm	Each	262489
WD-M1279	250mm	Each	333533
WD-M1280	300mm	Each	500090
WD-M1281	350mm	Each	669700
WD-M1282	400mm	Each	1348146

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.15.4 DI Pressure Sustaining / Relief Valve (PN10/16)** with the function to relieve excess pressure in the downstream pressure to set point irrespective of upstream fluctuations. The downstream pressure set point can be changed as per the requirement.

“Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Pressure Sustaining / Relief valve with cast body of ductile iron grade GGG-40 or GGG-50 as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. 2 pressure gauges for operator-friendly control to determine the actual inlet and outlet pressure connected directly to the valve. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270.(EP-P)/WRAS & NSF.”

Pilot valve system having Stainless Steel / Brass fittings with spring of stainless steel 304 as per standard parts according to DIN EN 12 266-1 with all the external control tubing of SS 304/ Copper/ reinforced plastic rated PN16, Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve/ speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
WD-M1283	50mm	Each	64459
WD-M1284	65mm	Each	69373
WD-M1285	80mm	Each	82177
WD-M1286	100mm	Each	89574
WD-M1287	150mm	Each	126908
WD-M1288	200 mm	Each	206142
WD-M1289	250mm	Each	294968
WD-M1290	300mm	Each	464498
WD-M1291	350mm	Each	657114
WD-M1292	400mm	Each	1304671

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

**12.15.5 DI Pump control Valve (PN10/16)** with the function to open / close the pump discharge to the downstream network gradually the start-up / shut-off of a pump to protect the pumping assembly.

“Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Pump Control Valve with cast body of ductile iron grade GGG-40 or GGG-50 or as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270.(EP-P)/ WRAS & NSF.”

Pilot valve system having Stainless Steel / Brass fittings as per standard parts according to DIN EN 12 266-1 and 3 way NO 24 V AC 50/60 Hz Solenoid, all the external control tubing of SS 304/ Copper/ reinforced plastic rated PN16 with Position indicator, Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve/ speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1293	50mm	Each	112774
WD-M1294	65mm	Each	115437
WD-M1295	80mm	Each	126373
WD-M1296	100mm	Each	137110
WD-M1297	150mm	Each	252555
WD-M1298	200 mm	Each	313272
WD-M1299	250mm	Each	381439
WD-M1300	300mm	Each	585744
WD-M1301	350mm	Each	723909
WD-M1302	400mm	Each	1346927

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.15.6 DI Pressure Reducing and Flow Limit Control Valve (PN10/16)** with the function to reduce higher upstream pressure into a preset lower downstream pressure and to not allow flow rate in the line to exceed beyond the defined set point. The flow orifice diameter is designed based on the set point as per the design requirement. The set point can be changed to a maximum of +10%.

“Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Pressure Reducing and flow limit control valve with cast body of ductile iron grade GGG-40 or GGG-50 or as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. 2 pressure gauges for operator-friendly control to determine the actual inlet and outlet pressure connected directly to the valve. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/ WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270. (EP-P)/ WRAS & NSF.”

Pilot valve system having Stainless Steel / Brass fittings with spring of stainless steel 304 as per standard parts according to DIN EN 12 266-1 and Stainless steel 316 orifice plate shall be as per the set point of flow rate, all the external control tubing of SS 304 / Copper/ reinforced plastic rated PN16, Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve/ speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1303	50mm	Each	108601
WD-M1304	65mm	Each	114757
WD-M1305	80mm	Each	128828
WD-M1306	100mm	Each	136726
WD-M1307	150mm	Each	216439
WD-M1308	200 mm	Each	279016
WD-M1309	250mm	Each	345818
WD-M1310	300mm	Each	531617
WD-M1311	350mm	Each	772648
WD-M1312	400mm	Each	1353745

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**12.15.7 DI Altitude Control and Flow Control Valve** (PN10/16) with the function to ensure that water in tank does not exceed a certain level and the same time not allow flow rate to exceed set point. The Hydraulic Valve trim connection shall have two metal points, one for Altitude control and Flow-rate control function. The valve shall use an orifice plated on downstream side to limit the flow rate. The set level can be changed to a maximum of +10%.

“Manufacture supply and delivery of DI D/F Diaphragm type own medium controlled Altitude Control and Flow Control Valve with cast body of ductile iron grade GGG-40 or GGG-50 or as per IS 3896-Part-2-1985 customized control cylinder for linear control behaviour or equivalent, performed diaphragm and pull out safe profile sealing ring of EPDM, threaded inserts (CORFIX - to prevent the coating from coming off in the connections area as well as corrosion and incrustations in the control circuit) or equivalent. Flange connection dimensions according to EN 1092, Part 2/ ISO 7005[DIN]/ IS 1538, all parts (Epoxy coating, and diaphragm) in contact with medium are as per KTW and DVGW certified (harmless)/WRAS & NSF approved. The EPDM rubber & Epoxy coating (EP-P) should be approved by W270.(EP-P)/ WRAS & NSF.”

Pilot valve system having Stainless Steel / Brass fittings with spring of SS 304 for altitude pilot as per standard parts according to DIN EN 12 266-1, the stainless steel 316 of orifice plate and dimension of orifice as per the flow rate set point, all the external control tubing of SS 304 / copper / reinforced plastic rated PN16, Tightness to DIN EN 12 266-1, leakage rate A (or) equivalent and the needle valve / speed control device should be provided to vary opening speed of the main diaphragm with self-cleaning filter to avoid possibility of dirt build up inside the control tubing and with 5 years warranty

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1313	50mm	Each	134504
WD-M1314	65mm	Each	136801
WD-M1315	80mm	Each	149514
WD-M1316	100mm	Each	156650
WD-M1317	150mm	Each	228659
WD-M1318	200 mm	Each	281149
WD-M1319	250mm	Each	340528
WD-M1320	300mm	Each	515795
WD-M1321	350mm	Each	734611
WD-M1322	400mm	Each	1262215

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

## 12.16 DI Plunger type flow control Valve

"Manufacturing, supply and delivery of DI D/F Plunger type(Control valve) with one piece body of ductile cast iron of grade GGG-40, all internal parts of stainless steel. Piston guides of bronze welded overlay & micro-finished and bearing bush of zinc free Bronze. Valve/profile sealing seat shall be in the no-flow zone. Double sealing effect between the body and the plunger shall be by Quadring Seal (twist free operation). The valve shall be designed to operate smoothly throughout the specified flow range without cavitation. Corrosion protected medium free bearing in the body by way of double O-ring seal and encapsulated shaft seal. There shall be no obstacles in the main flow passage except the plunger and the attached control cylinders. Plunger shall be by means of stainless steel crank drive mechanism. Face-to-face dimensions EN558-1 basic series 15 and 1.5X DN from DN500 and flange connections as per EN1092-2/ISO 7005[DIN]" and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1323	150mm	Each	481058
WD-M1324	200mm	Each	685418
WD-M1325	250mm	Each	830341
WD-M1326	300mm	Each	1084390
WD-M1327	400 mm	Each	1718974
WD-M1328	450mm	Each	2346954
WD-M1329	500 mm	Each	2992117
WD-M1330	600mm	Each	3883201
WD-M1331	700mm	Each	4534731
WD-M1332	800mm	Each	5435703
WD-M1333	900mm	Each	7573788
WD-M1334	1000mm	Each	8816497

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 12.17 DI Surge Control Valve

“Manufacturing, supply and delivery of DI diaphragm type surge control valve against power failure surges or pressure waves caused by velocity changes, quick opening relief easily adjustable pressure setting. The valve should remain closed when line pressure is between the set-points of the two pilots. The valve should open initially when line pressure drops below the setting of the low-pressure pilot to anticipate surges associated with a pump stopping. The valve will also continue to react and remain open when the return high-pressure wave is above the setting of the high-pressure pilot or open when inlet pressure exceeds a pre-determined set-point at which time the valve opens quickly, With high speed discharge, with flange dimension to EN 1092-2/ ISO 7005[DIN]. Body and cover in ductile cast iron of Grade GGG 40 (or) GGG 50. All internal parts & all cover bolts of austenitic alloy steel and gaskets and seals of EPDM of grade W 270(approved for drinking water) with Electrostatic epoxy powder coating (EP-P) inside and outside color blue RAL 5005 with minimum coating thickness of 250 microns” and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1335	50mm	Each	101606
WD-M1336	80mm	Each	111062
WD-M1337	100mm	Each	140773
WD-M1338	150mm	Each	200306
WD-M1339	200 mm	Each	294486
WD-M1340	250mm	Each	437980
WD-M1341	300mm	Each	495534

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 12.18 OHT FLOW CONTROL VALVE

Supply and delivery of the following sizes of OHT flow control valve with female BSP treaded ends, (20mm length) with Stainless Steel Body as per ANSI 202 Grade, Plug, Flange – Nylon 66, (to be tested at NABL accredited lab.) Triangular notch type flow control path with opening reference scale arrangements for flow notch and Upstream & Downstream pressure checking spring loaded mouth arrangements. Working Pressure 10 KSC, (FCRI, Palgaut pressure test and flow test to be furnished) and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1342	40mm (1 lpm to 400lpm adjustable type arrangements)	Each	5746
WD-M1343	100mm (20 lpm to 2000 lpm adjustable type arrangements)	Each	21209

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**13.0 SALT GLAZED STONEWARE PIPE AS PER IS 651/2007 of 600MM length**

Unique Code	Description	Unit	Rate for 2024-25 in Rupees	
			SP1 Class	SP2 Class
			A	B
WD-M1344	100mm	Each	118.60	128.00
WD-M1345	150mm	Each	206.00	222.60
WD-M1346	200mm	Each	311.00	339.10
WD-M1347	250mm	Each	505.50	550.20
WD-M1348	300mm	Each	788.40	860.10

**13.1 SALT GLAZED STONEWARE PIPE AS PER IS 651/2007 of 1000MM length with Rubber Gasket**

Unique Code	Description	Unit	Rate for 2024-25 in Rupees	
			SP1 Class	SP2 Class
			A	B
WD-M1349	150mm	Each	487.80	557.10
WD-M1350	200mm	Each	732.20	799.00
WD-M1351	250mm	Each	1373.90	1492.60

**13.2. SALT GLAZED STONEWARE PIPE AS PER IS 651/2007 of 1200MM length with Rubber Gasket**

Unique Code	Description	Unit	Rate for 2024-25 in Rupees	
			SP1 Class	SP2 Class
WD-M1352	150mm	Each	618.10	670.80
WD-M1353	200mm	Each	881.00	954.30
WD-M1354	250mm	Each	1664.60	1801.50

Note :

- 1) The above rates are basic rates inclusive of transportation charges to stockyard excluding unloading anywhere in Tamilnadu.
- 2) Unloading, stacking at stock yard and Cost of loading from Stockyard and unloading at site, Conveyance from stock yard to site (maximum of 8Km radius) are extra. This item should be included in the Estimate and BoQ as a separate item.
- 3) GST extra applicable as per GO

<b>14.0</b>	<b>Sulphate Resistant Cement as per IS 12330/ 1988</b>
1	Refer PWD Rate

**15.0****Fiber reinforced concrete Frame and Cover as per IS 12592/2002, Part 1 & 2 for 2024- 25**

Unique Code	Description	Rate for 2024- 25 in Rupees	
		Heavy duty	Extra Heavy duty
	Supply and delivery of following sizes of FRC Manhole Covers / Frames to stores as per IS 12592:2002 to its latest revision with reinforcement details for covers and frames	A	B
WD-M1355	450mm dia FRC manhole cover to suit 450 mm clear opening manhole frame	821.27	946.77
WD-M1356	450mm dia FRC manhole frame to have clear opening of 450mm dia to suit 450mm dia FRC Cover	1025.08	1185.72
WD-M1357	600mm dia FRC manhole cover to suit 600 mm clear opening manhole frame	1058.22	1220.86
WD-M1358	600mm dia FRC manhole frame to have clear opening of 600mm dia to suit 600mm dia FRC Cover	1511.02	1745.96

Note:

1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

**16.0****WATER METER CONFORMING TO IS 2373 / ISO 4064 & DIRT BOX STRAINER**

Supply and delivery of Woltman model with removal mechanism water meters, (No domestic use) conforming to ISO 4064 part I, II, III Class B and IS-2373 with life cycle test certificate from FCRI/ NABL accredited lab. The watermeter shall have magnetic drivers or mechanical drivers and shall be versatile for installation in any position. The meters shall be hydrodynamically, hydrostatically balanced. The runner, runner chamber, pointers of the meter shall be as per ISO 4064 specification. Dry dial excavated counter housing fully protected against flooding ensuring easy reading in all climates.

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees		
			Water meter	Dirt Box	Erection Charges
			A	B	C
WD-M1359	50mm	Each	10147	3291	3817
WD-M1360	80mm	Each	12623	5330	4762

WD-M1361	100mm	Each	13414	6537	7412
WD-M1362	150mm	Each	19618	10868	8716
WD-M1363	200mm	Each	24420	13140	10858
WD-M1364	250mm	Each	53044	28242	12310
WD-M1365	300mm	Each	113216	49814	13190
WD-M1366	400mm	Each	200932	82919	13429
WD-M1367	500mm	Each	233834	120608	13460

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO
- 3) Erection charges includes earth work excavation,labour charges, cutting and threading, conveyance,welding and hire charges for tools and plants etc., complete.

#### 16.1 MULTI JET BRASS WATER METER

Supply and delivery of Multi Jet brass water meter with removal mechanism confirming to ISO 4064 Class B or IS 779 Standards with type test certificates for Routine Test, IP 68 Test certificates issued by FCRI/NABL Accredited Lab. The water meter shall have magnetic or mechanical drivers or shall be versatile for installation in Horizontal position. The meters shall be hydrodynamically or hydrostatically balanced. The runner, runner chamber, pointers of the meter shall be as per ISO 4064 Class B specification. Dry dial excavated counter housing fully protected against flooding ensuring easy reading in all climatic conditions. The meters shall be inferential, Dry-Dial Type, Class B with straight reading Cyclometer with inbuilt filter basket, Meter body shall be of Brass body confirming to DCB2 material specifications and suitable for drinking water applications. The body shall be painted, or powder coated. Each water meter shall be supplied with Brass Nut and tailpieces, protective top lid, secured by a robust hinge with sealing facilities for couplings. The process connections shall be screwed ends with BSP Threads. Each water meter shall be tested for a maximum pressure rating up to 16 Bar. Water meter shall be supplied with manufacturer Calibration & hydrotest certificate. The dimensions must comply to IS 779 standards and with 5 years warranty

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1368	15mm	Each	885

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

## 16.2 MULTI JET BRASS MODEL & WOLTMAN MODEL AMR METERS

Supply and delivery of Brass Multi Jet Model & Woltman model AMR meters with removal mechanism confirming to IS 4064 Part I, II , III Class B or IS 779 & IS 2373 standards with type test certificate for Routine Test, IP 68 Test certificate issued by FCRI / NABL Accredited lab. The water meter shall have magnetic or mechanical drivers or shall be versatile for installation in any position. The meters shall be hydrodynamically or hydrostatically balanced. The runner, runner chamber, pointers of the meter shall be as per ISO 4064 class B specification. Dry dial excavated counter housing fully protected against flooding ensuring easy reading in all climatic conditions. The meter shall be inferential, Dry-Dial type, Class B with straight reading cyclometer with inbuilt filter basket, Brass body, Inbuilt NRV & Strainer for the sizes upto 40mm Brass / Bronze Nut and tailpieces, protective top lid, secured by a robust hinge with sealing facilities for couplings and sizes 50mm & above shall be woltman type complies to ISO 4064 - Class B standard with flow meter body shall be of DI / CI. The process connections shall be of flanged ends with pressure rating upto 16 Bar. The water meter shall be equipped with Dual pulse output with integrated battery - operated data logger with minimum battery life upto 7 years or better. The data logger shall be SIM based / RF based with required SIM cards will be in the scope of flow meter manufacturer. Data logging will be continuous and data transfer to cloud shall be minimum of 1 per day. The flow meter with integral data logger shall comply to IP 68 installations and with 5 years warranty.

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
I	AMR type Multi Jet water meter		
WD-M1369	15mm	Each	16200
WD-M1370	20mm	Each	16950
WD-M1371	25mm	Each	18000
WD-M1372	40mm	Each	23250
II	Woltman type AMR water meter		
WD-M1373	50mm	Each	26700
WD-M1374	80mm	Each	30351
WD-M1375	100mm	Each	33959
WD-M1376	150mm	Each	44679
WD-M1377	200mm	Each	47668
WD-M1378	250mm	Each	85302
WD-M1379	300mm	Each	133592
WD-M1380	400mm	Each	213401
WD-M1381	450mm	Each	245520
WD-M1382	500mm	Each	270000

Note :

- 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.
- 2) GST extra applicable as per GO

### 16.3 ENAMELED WATER LEVEL INDICATOR

Supply, delivery and fixing of enameled water level indicator of approved design and pattern (graduation in metric system) with required all accessories as directed by TWAD Board Officers. ( The rates including loading, unloading, transportation charges etc.,)

WD-M1383	<b>Rs. 5500/- Each</b>
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Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

### 16.4 WATER LEVEL MEASURING SYSTEM

Supply, delivery and installation of water level measuring system up to 1 mm accuracy to measure up to 30 m depth in wells/OHTs/ sumps with suitable sensor, level transducer with transmitter, 2 or 4 wire loop, all wetted parts in SS304 or above and with Remote control and suitable LED display unit easily readable upto 10m distance, cabinet to house remote display unit, Low/High alarm with suitable speaker, suitable cables with data storage capacity for 1 year and data transfer facility and with all required accessories including 1 year free replacement warranty etc., complete.

WD-M1384	<b>Rs. 65000/- Each</b>
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Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

### 16.5 BRASS "V" NOTCH

Supply, delivery and fixing in position of BRASS "V" NOTCH of 10 cm and total height of 15 cm x 2mm thick brass plate fixing with brass screw etc., complete over LAUNDER CHANNEL/ SIDE WALL and as directed by TWAD Board officers.

WD-M1385	<b>Rs. 2300/- Per Metre</b>
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Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.

2) GST extra applicable as per GO

## 16.6 FULL BORE ELECTROMAGNETIC FLOW METER WITH 5 YEARS WARRANTY

Electromagnetic Flow Meter shall be a velocity sensing Electromagnetic type, microprocessor based signal converter, sealed housing, flanged tube meter for 1.0 Mpa working pressure, manufactured to highest standard available for mag-meters, equipped with minimum six digit digital totalizers, reading in units of (kilolitres/ cubicmeter) and shall be accurate within 0.5% of Measured value, shall operate within a range of 0.3m/sec to 4 m/sec and be constructed as follows: Meter tube (Sensor) shall be fabricated from stainless steel tube and use class PN10 flat face carbon steel flanges in accordance with IS 1538. These flanges shall be welded to the flow tube. The internal and external of the meter tube shall be blasted to near white and lined with hard rubber/ Polyurethrene/ PTFE preferably by SBR or EPDM. Meter tube shall have a constant nominal inside diameter offering no obstruction to the flow. The accuracy should be inclusive of linearity, hysteresis, repeatability, temperature and pressure effects Coil Housing shall be fabricated from stainless steel (SS 304) with Anticorrosive paint for corrosion resistance and welded to the tube providing a completely sealed environment for all coils, electrode connections and wiring harness capable of submerged or buried operation with IP 68 protection. Signal Converter shall be pulsed DC coil excitation type with auto zeroing. The signal converter shall be remotely mounted away from the meter. The converter shall indicate direction of flow and provide a flow rate indication and a total of flow volume for both forward and reverse directions. The converter shall provide an isolated 4-20 mA output into minimum 500-ohm load and a frequency output of a maximum of 0-10 KHZ and a scaled pulse output, Communication interface is RS485, HART output, . The microprocessor based signal converter shall have a self-diagnostic test mode and a backlit display that continuously displays "Rate of Flow" and "Total Volume". Converter shall be supplied with a programmable low flow drop out Higher flow and empty pipe zero return. The signal converter housing should be die-cast aluminium with glass window. The converter cum transmitter should be fully programmable form the front facia. The programming should be user friendly, self-prompting menu driven. Flowmeter test calibration certificate from FCRI, flow test lab/ NABL accredited lab to be furnished.

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1386	10/ 15 MM	1 No.	59465.12
WD-M1387	25 MM	1 No.	47618.48
WD-M1388	50 MM	1 No.	53095.12
WD-M1389	65 MM	1 No.	69061.20
WD-M1390	80 MM	1 No.	85027.28
WD-M1391	100 MM	1 No.	104358.80
WD-M1392	125 MM	1 No.	109227.04
WD-M1393	150MM	1 No.	122200.00
WD-M1394	200MM	1 No.	151741.20
WD-M1395	250MM	1 No.	188259.76
WD-M1396	300 MM	1 No.	214515.60
WD-M1397	350MM	1 No.	265655.52

WD-M1398	400MM	1 No.	322013.12
WD-M1399	450MM	1 No.	371612.80
WD-M1400	500 MM	1 No.	424918.00
WD-M1401	600MM	1 No.	487488.56
WD-M1402	700 MM	1 No.	569136.88
WD-M1403	800MM	1 No.	637159.12
WD-M1404	900 MM	1 No.	716735.76
WD-M1405	1000 MM	1 No.	905866.00
WD-M1406	1200 MM	1 No.	1301225.12
WD-M1407	1400MM	1 No.	1558612.64
WD-M1408	1600MM	1 No.	1773578.56
WD-M1409	1800 MM	1 No.	2354597.44
WD-M1410	2000 MM	1 No.	3381464.32
WD-M1411	2200 MM	1 No.	3539527.68
WD-M1412	2400MM	1 No.	3894897.76
WD-M1413	2600 MM	1 No.	4345650.40
WD-M1414	2800 MM	1 No.	4824745.12
WD-M1415	3000 MM	1 No.	5192106.40

Note: 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

### 17.0 HDPE TANK (IS 12701/1996)

Unique Code	Description	Unit	Rate for 2024 -25 in Rupees
1	Supply and delivery and fixing of HDPE tank as per IS 12701 / 1996 including loading, unloading, transportation and labour charges for fixing of the GI pipes and specials for pipe connection works including cutting, threading and fixing charges etc.,		
WD-M1416	200 litres	1 No.	1841.90

WD-M1417	500 litres	1 No.	4176.70
WD-M1418	1000 litres	1 No.	8435.50
WD-M1419	2000 litres	1 No.	18772.00
WD-M1420	5000 litres	1 No.	46049.20
WD-M1421	10000 litres	1 No.	97843.20

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

### 17.1 Inspection Chamber and PE Machine holes

Unique Code	Description	Unit	Rate for 2024-25
1	Supply & Delivery of Circular Inspection Chamber including frame with cover (PP with FRP) with load bearing capacity of 1.5 Tons any where in Tamilnadu made as per EN 13598-1:2020 from 100% virgin Polypropylene (PP) material with antirodent grade having internal diameter of 450mm, to be used in buried drains and sewers for gravity system including testing as per relevant standards. It shall be used for receiving / connecting PVC, uPVC, HDPE pipes or DWC/CI/CLAY/RCC, etc. by using of appropriate transition adaptors. Chamber shall have a base conforming EN BS 13598-1 :2020 of suitable size and riser shaft with suitable height . Chambers shall have either straight channel 110mm and 160mm or two extra inlets of 110mm and 160mm at 90°/270° right and left. All chambers shall come with a prefabricated integrated base with appropriate benching with a gradient of 1-2° and as directed by the Department officers		
WD-M1422	450 mm internal dia, with 1-inlet/1-outlet 500 mm depth	1 No.	5800.00
WD-M1423	450 mm internal dia, with 1-inlet/1-outlet 750 mm depth	1 No.	7850.00

2	Supply & Delivery of Circular Inspection Chamber any where in Tamilnadu made as per EN 13598-1:2020 from 100% virgin Polyethylene (PE) material having internal diameter of 600mm for all depth, to be used in buried drains and sewers for gravity system. It shall be used for receiving / connecting PVC, uPVC, HDPE pipes or DWC/CLAY/RCC, etc. by use of appropriate transition adaptors including testing as per relevant standards Chamber shall have a base conforming on BS 13598-1 : 2020 and riser shaft of ID 600mm(±10%). Chambers shall have straight channel 315/250/200/160/110mm with two extra inlets 315/250/200/160/110mm at 90°/270° right and left. Connections at the base shall be designed to receive / connect 315/250/200/160/110 mm diameter pipes. The inlet/outlet pipes to be connected with elastomer seal for a flexible connection of pipes according to EN 681-1. All chambers shall come with a prefabricated integrated base with appropriate benching with a gradient of 1-2°. and as directed by the Department officers		
WD-M1424	600 mm internal dia, 500 mm depth	1 No.	7695.00
WD-M1425	600 mm internal dia, 750 mm depth	1 No.	11780.00
WD-M1426	600 mm internal dia, 1000 mm depth	1 No.	14150.00
3	Supply & Delivery of Plastic Poly Ethylene(PE) Circular Machine-hole Chamber any where in Tamilnadu made as per EN 13598-2:2020 from 100% virgin special rotomoulding grade Polyethylene (PE) material having internal diameter of 800mm for all depth with top opening 600mm, to be used in buried drains and sewers for gravity system. It shall be used for receiving / connecting PVC, uPVC, HDPE pipes or DWC/CI/CLAY/RCC, etc. by use of appropriate transition adaptors including testing as per relevant standards. Machinehole Chambers must have minimum onsite height adjustment of 150mm. Machinehole base shall have straight channel up to 400mm with two extra inlets at 90°/270° right and left. Connections at the base and shall be designed to receive / connect up to 400mm OD diameter pipes. The inlet/outlet pipes to be connected with elastomer seal for a flexible connection of pipes according to EN 681-1. All chambers shall have with a prefabricated integrated base with appropriate benching with a gradient of 1-2° from inlet to outlet. Machineholes must have Base-ID 800mm with Riser shaft – ID 800mm& Top cone opening 600mm. Machinehole Base must be reinforced with minimum required no. of ribs in bottom to withstand ground pressure. In case the system is made of modular parts then element rubber seal according to standard practices to be used to connect the parts. The riser shaft outside must be reinforced with horizontal ribs with projection and at suitable intervals center to enhance the products resistance to compression and anchoring in the soil. These ribs shall provide lift-retention system in case of ground water. The Cone outside must have required vertical ribs to enhance more strength to withstand traffic load. Chamber shall have inbuilt corrosion free Aluminium steps with colour coated as per EN standard. These steps shall be able to take a vertical load of 2kN and pull-out resistance of 1kN etc. complete and as directed by Department officers.		
WD-M1427	800 mm internal dia, 1000 mm depth	1 No.	29785.35

WD-M1428	800 mm internal dia, 1250 mm depth	1 No.	31338.60
WD-M1429	800 mm internal dia, 1500 mm depth	1 No.	33502.70
WD-M1430	800 mm internal dia, 1750 mm depth	1 No.	36900.00
4	Supply & Delivery of Plastic PE Circular Machinehole Chamber any where in Tamilnadu made as per EN 13598-2:2020 from 100% virgin special rotomoulding grade Polyethylene (PE) material having internal diameter of 1000mm for all depth with top opening 600mm, to be used in buried drains and sewers for gravity system including testing as per relevant standards It shall be used for receiving / connecting PVC, uPVC, HDPE pipes or DWC/CI/CLAY/RCC, etc. by use of appropriate transition adaptors. Machinehole Chambers must have minimum onsite height adjustment of 150mm. Machinehole base shall have straight channel up to 600mm with two extra inlets at 90°/270° right and left. Connections at the base and shall be designed to receive / connect up to 600mm OD diameter pipes. The inlet/outlet pipes to be connected with elastomer seal for a flexible connection of pipes according to EN 681-1. All chambers shall have with a prefabricated integrated base with appropriate benching with a gradient of 1-2° from inlet to outlet. Machineholes must have Base ID-1000 mm with Riser shaft – ID 1000 mm & Top cone opening 600mm. Machinehole Base must be reinforced with minimum required no. of ribs in bottom to withstand ground pressure. In case the system is made of modular parts then element rubber seal according to standard practices to be used to connect the parts. The riser shaft outside must be reinforced with horizontal ribs with projection and in suitable intervals center to center to enhance the products resistance to compression and anchoring in the soil. These ribs shall provide lift-retention system in case of ground water. The Cone outside must have required vertical ribs to enhance more strength to withstand traffic load. Chamber shall have inbuilt corrosion free Aluminium steps with colour coated as per EN standard. These steps shall be able to take a vertical load of 2kN and pull-out resistance of 1kN etc complete and as directed by Department officers.		
WD-M1431	1000 mm internal dia, 1000 mm depth	1 No.	47196.00
WD-M1432	1000 mm internal dia, 1250 mm depth	1 No.	48735.00
WD-M1433	1000 mm internal dia, 1500 mm depth	1 No.	51556.50
WD-M1434	1000 mm internal dia, 1750 mm depth	1 No.	57250.00
WD-M1435	1000 mm internal dia, 2000 mm depth	1 No.	65050.00
WD-M1436	1000 mm internal dia, 2250 mm depth	1 No.	71000.00
WD-M1437	1000 mm internal dia, 2500 mm depth	1 No.	75100.00
WD-M1438	1000 mm internal dia, 2750 mm depth	1 No.	84625.00
WD-M1439	1000 mm internal dia, 3000 mm depth	1 No.	88150.00

WD-M1440	1000 mm internal dia, 3250 mm depth	1 No.	96349.50
WD-M1441	1000 mm internal dia, 3500 mm depth	1 No.	103275.00
WD-M1442	1000 mm internal dia, 3750 mm depth	1 No.	109725.00
WD-M1443	1000 mm internal dia, 4000 mm depth	1 No.	117126.00
WD-M1444	1000 mm internal dia, 4250 mm depth	1 No.	121175.00
WD-M1445	1000 mm internal dia, 4500 mm depth	1 No.	130700.00
WD-M1446	1000 mm internal dia, 4750 mm depth	1 No.	137902.50
WD-M1447	1000 mm internal dia, 5000 mm depth	1 No.	144828.00
WD-M1448	1000 mm internal dia, 5250 mm depth	1 No.	149400.00
WD-M1449	1000 mm internal dia, 5500 mm depth	1 No.	156350.00
WD-M1450	1000 mm internal dia, 5750 mm depth	1 No.	163300.00
WD-M1451	1000 mm internal dia, 6000 mm depth	1 No.	169850.00
5	Supply & Delivery of Plastic PE Circular Machinehole Chamber any where in Tamilnadu made as per EN 13598-2:2020 from 100% virgin special rotomoulding grade Polyethylene (PE) material having internal diameter of 1200mm for all depth with top opening 600mm, to be used in buried drains and sewers for gravity system having load bearing capacity as per relevant strandards. It shall be used for receiving / connecting PVC, uPVC, HDPE pipes or DWC/CI/CLAY/RCC, etc. by use of appropriate transition adaptors. Machinehole Chambers must have minimum onsite height adjustment of 150mm. Machinehole base shall have straight channel up to 600mm with two extra inlets at 90°/270° right and left. Connections at the base and shall be designed to receive / connect up to 600mm OD diameter pipes. The inlet/outlet pipes to be connected with elastomer seal for a flexible connection of pipes according to EN 681-1. All chambers shall have with a prefabricated integrated base with appropriate benching with a gradient of 1-2° from inlet to outlet. Machineholes must have Base ID-1200 mm with Riser shaft – ID 1200 mm & Top cone opening 600mm. Machinehole Base must be reinforced with minimum 5 ribs & 4 legs in bottom to withstand ground pressure. In case the system is made of modular parts then element rubber seal according to standard practices to be used to connect the parts. The riser shaft outside must be reinforced with required projection and interval center to center to enhance the products resistance to compression and anchoring in the soil. These ribs shall provide lift-retention system in case of ground water. The Cone outside must have both horizontal vertical ribs to enhance more strength to withstand traffic load. Chamber shall have inbuild corrosion free Aluminium steps with colour coated as per EN standard. These steps shall be able to take a vertical load of 2kN and pull-out resistance of 1kN etc complete and as directed by Department officers.		

WD-M1452	1200 mm internal dia, 1500 mm depth	1 No.	76950.00
WD-M1453	1200 mm internal dia, 1750 mm depth	1 No.	81567.00
WD-M1454	1200 mm internal dia, 2000 mm depth	1 No.	110779.00
WD-M1455	1200 mm internal dia, 2250 mm depth	1 No.	122094.00
WD-M1456	1200 mm internal dia, 2500 mm depth	1 No.	132354.00
WD-M1457	1200 mm internal dia, 2750 mm depth	1 No.	136279.00
WD-M1458	1200 mm internal dia, 3000 mm depth	1 No.	171329.00
WD-M1459	1200 mm internal dia, 3250 mm depth	1 No.	180828.90
WD-M1460	1200 mm internal dia, 3500 mm depth	1 No.	197980.20
WD-M1461	1200 mm internal dia, 3750 mm depth	1 No.	215132.40
WD-M1462	1200 mm internal dia, 4000 mm depth	1 No.	232283.70
WD-M1463	1200 mm internal dia, 4250 mm depth	1 No.	249079.00
WD-M1464	1200 mm internal dia, 4500 mm depth	1 No.	264629.00
WD-M1465	1200 mm internal dia, 4750 mm depth	1 No.	283179.00
WD-M1466	1200 mm internal dia, 5000 mm depth	1 No.	298729.00
WD-M1467	1200 mm internal dia, 5250 mm depth	1 No.	318042.90
WD-M1468	1200 mm internal dia, 5500 mm depth	1 No.	335194.20
WD-M1469	1200 mm internal dia, 5750 mm depth	1 No.	352346.40
WD-M1470	1200 mm internal dia, 6000 mm depth	1 No.	369497.70

## 18.0 MS KIOSK

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
WD-M1471	Supply and delivery of MS Kiosk of size 0.75m x 0.45m x 0.75m made up of MS angle of size 50mm x 50mm x 4mm alround covered with 16 gauge MS sheet and kiosk door made up of MS plates of size 25 mm x 3 mm including cutting, welding, grinding, locking arrangements and labour charges etc.,	1 No.	9623.60

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

## 19.0 MS LADDER

Unique Code	Description	Unit	Rate for 2024-25 in Rupees
1	Supply and Delivery and fixing of outside MS Ladder of 45cm clear wide made out of 50 mm x 50mm x 6mm MS angle for sides and steps in 16 mm MS plain rods fixed at 30cm C/C welded jointed etc ., providing with suitable side supports, clamps and locking arrangements provided with two coats of approved enamel paint over one coat of redoxide paint , for providing access to roof top of OHT of suitable inclined length , including bottom anchorage and transportation and as directed by TWAD Board officers. The rate includes concrete bed block in CC 1:2:4 using 20mm HBGS at top and bottom of suitable size with necessary anchor bolts.		
	<b>For OHT Capacities</b>		
WD-M1472	1. 10000 litres with - 7.5m staging height	Each	28894.20
WD-M1473	2. 20000 litres with - 7.5m staging height	Each	28894.20
2	Fabrication, supply, delivery and fixing of outside MS Ladder of 45cm clear wide made out of 50 mm x 50mm x 6mm MS angle for both sides and for steps at 30cm C/C welded jointed etc ., for I staging from GL to 1st level brace (weight 4.5kg/m) IInd and IIIrd staging upto floor slab and IVth staging from floor slab to roof top. Supply, delivery and fixing of 32 mm GI pipes medium for hand rails from I stage to IVth stage. RCC M30 Grade mix for Landing slab 5 Nos. at Ground Level- 1No. and above Ground Level - 4Nos. Supply and fixing of 32mm GI pipe medium for hand rails for the Landing slab. Supplying and fixing of MS Base plate of 100mm X 100mm X 6mm thick for fixing Anchore fastener bolt for fixing of hand rails at Landing slab and MS Ladder providing locking arrangements with two coats of approved enamel paint over one coat of red oxide paint as per <b>approved Type Design</b> and as directed by TWAD board officers.		
	<b>For OHT Capacities</b>		
WD-M1474	30000 litres capacity at 12.0m staging height	Each	141711.30
WD-M1475	40000 litres capacity at 12.0m staging height	Each	141711.30
WD-M1476	50000 litres capacity at 12.0m staging height	Each	141711.30
WD-M1477	60000 litres capacity at 12.0m staging height	Each	141711.30
WD-M1478	100000 litres capacity at 12.0m staging height	Each	141711.30

Note: 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

### 19.1 ALUMINIUM LADDER

Unique Code	Description	Unit	Basic Rate in Rupees
WD-M1479	Manufacturing, Fabrication, Supply and delivery of Aluminium ladder 6m height Folding type for operating inside the pumphoom made out of Aluminium " □ " channel 3" x 1 1/2" , 4mm thick for sides and steps in "L" channel 3" x 1 1/4" , 4mm thick @ 45cm width, 30cm c/c providing with suitable roller, rope, rubber bush etc. including cost of all materials, labour etc. complete and as directed by TWAD Board officers.	Each	7200

Note: 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

## 20.0 MS DOOR / WINDOW/VENTILATOR

Unique Code	Description of Work	Unit	Rate for 2024-25 in Rupees.
	Supply and Delivery Fabrication of MS doors and windows with outer frame and shutter frame in MS angle of size 40mm x 40mm x 6 mm with MS flat 25mm x 25mm x 6mm and MS sheet of 18 gauge including ventilating arrangements using 20mm square MS rods with locking arrangements including two coats of approved enamel paint over coat of red oxide including cost of angles, plates, sheets, fabrication charges, cost of hold fast and transportation charges etc., complete.		
WD-M1480	Fully panelled Double leaf - Door	1.00 m x 2.50 m	8931.20
WD-M1481	Fully panelled Double leaf - Door	1.00 m x 2.10 m	7789.00
WD-M1482	Fully panelled Double leaf - Door	1.00 m x 2.00 m	5707.70
WD-M1483	Fully panelled Single leaf - Door	0.75 m x 2.10 m	4769.70
WD-M1484	Fully panelled Single leaf - Door	0.90 m x 2.00 m	5091.70
WD-M1485	Fully panelled Single leaf - Door	0.90 m x 2.10 m	5639.20
WD-M1486	Fully panelled Single leaf - Door	1.00 m x 2.00 m	5304.90
WD-M1487	Fully panelled Double leaf - Window (without Ventilator)	1.20 m x 0.90 m	4232.20
WD-M1488	Fully panelled Double leaf - Window (without Ventilator)	0.60 m x 0.90 m	3088.90
WD-M1489	Ventilator	0.45 m x 0.60 m	1857.00

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

## 20.1 CAUTION AND DANGER BOARD

Unique Code	Description	Unit	Basic Rate in Rupees
WD-M1490	Caution and Danger Board in 12" X 8" size metal sheet of 3mm thick with lettering of 2.5" font size with flourescent paint both in English and Tamil as directed by TWAD board officers.	1 No	720.00

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

**21.1 REPLACEMENT ELECTRODE FOR WATER DISINFECTION EQUIPMENT USING SILVER IONIZATION**

Supply and delivery of electrode assembly suitable for water disinfection equipment using silver ionization process using pure silver metal electrode and fixed on PVC/Nylon sheets and nuts with electrical leads for the following capacities. The supply should be with the quality test certificate from approved organisations.

Unique Code	Capacity LPH	Life of electrodes in million litre at dosage		Rate for 2024 -25 in Rupees.
		0.01mg/lt	0.005mg/lt	
WD-M1491	1000			2327.30
WD-M1492	2000			3880.60
WD-M1493	3000	6	12	5917.80
WD-M1494	5000	8	16	6574.10
WD-M1495	10000	9	18	7230.50
WD-M1496	15000	15	30	9861.80
WD-M1497	25000	30	60	25980.90
WD-M1498	50000	60	120	52584.60
WD-M1499	100000	120	240	105169.10
WD-M1500	200000	240	480	148624.50
WD-M1501	300000	360	720	314913.30
WD-M1502	400000	480	960	420676.50
WD-M1503	500000	600	1,200	525846.40

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

## 21.2 ELECTRO CHLORINATOR BASED ON COMMON SALT

Supply, Delivery, erection and commissioning of Batch type electro chlorinator using common salt as raw material, consisting of electrolyzers cell made of Titanium with coating mixed metal oxide such as Anabium, Cadmium, etc, capable of producing sodium hypochlorite solution within time span of 8 hours, having adjustable metering cum dosing pump capable of dozing the prepared sodium hypochlorite solution in water supply system with sensor having auto shut down when the storage if FRP tank gets empty. The storage vessel and electrolyzer tank (hypo processing tank) must be made of FRP tank coated inside with hypothalic -BIS standard, having capacity to store required quantity of hypochlorite solution, water and common salt for electrolysis process respectively. The electrochlorinator must have power source or control module for producing necessary DC current for electrolyser process from 440v, 3 phase / single phase AC supply and must have auto cut off after batch time of 8 hours. For all power connection, copper cables should be used.

Unique Code	Capacity in litres per day	Rate for 2024 -25 in Rupees.
WD-M1504	10,000-25,000	44598.00
WD-M1505	25,001-50,000	57883.70
WD-M1506	50,001-1,00,000	73303.40
WD-M1507	1,00,001-1,50,000	99113.80
WD-M1508	1,50,001-2,00,000	113195.90
WD-M1509	2,00,001-2,50,000	137059.60
WD-M1510	2,50,001-3,00,000	151743.30
WD-M1511	3,00,001-3,50,000	170279.60
WD-M1512	3,50,001-4,00,000	178666.40
WD-M1513	4,00,001-4,50,000	189679.60
WD-M1514	4,50,000-5,00,000	191514.80
WD-M1515	5,00,001-5,50,000	229855.30
WD-M1516	5,50,001-6,00,000	259017.90
WD-M1517	6,00,001-6,50,000	292708.20
WD-M1518	6,50,001-7,00,000	326398.40
WD-M1519	7,00,001-7,50,000	347820.00
WD-M1520	7,50,001-8,00,000	373320.00
WD-M1521	8,00,001-8,50,000	398820.00
WD-M1522	8,50,001-9,00,000	424320.00
WD-M1523	9,00,001-9,50,000	449820.00

WD-M1524	9,50,001-10,00,000	469793.30
WD-M1525	10,00,001-15,00,000	607542.20
WD-M1526	15,00,001-20,00,000	689699.30
WD-M1527	20,00,001-25,00,000	795600.00
WD-M1528	25,00,001-30,00,000	905566.80
WD-M1529	30,00,001-35,00,000	1007760.00
WD-M1530	35,00,001-40,00,000	1113602.40
WD-M1531	40,00,001-45,00,000	1188096.00
WD-M1532	45,00,001-50,00,000	1241222.00
WD-M1533	50,00,001-55,00,000	1326000.00
WD-M1534	55,00,001-60,00,000	1611837.90
WD-M1535	60,00,001-65,00,000	1654848.00
WD-M1536	65,00,001-70,00,000	1736542.40
WD-M1537	70,00,001-75,00,000	1824576.00
WD-M1538	75,00,001-80,00,000	1917597.60
WD-M1539	80,00,001-85,00,000	2015520.00
WD-M1540	85,00,001-90,00,000	2129304.70
WD-M1541	90,00,001-95,00,000	2227680.00
WD-M1542	95,00,001-100,00,000	2414436.00

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**22.0 PROVIDING EPOXY COATING TO REINFORCEMENT STEEL BARS  
(IS 13620/1993)**

Unique Code	Description	unit	Rate for 2024-25 in Rupees.
	Providing Fusion Bonded Epoxy coating not less than 175microns thickness and upto 300 microns to reinforcement of all diameters as per IS 13620/1993 including testing of coating at plant. The cost is inclusive of cost on account of careful handling, PVC coated binding wires, touchup material supplied by coating agency, repair work, loading, unloading and strengthening of bend rods etc., complete as per specification and as directed by the Engineer in charge.		
WD-M1543	for 8mm to 16mm	MT	14763.20
WD-M1544	for 20mm to 32mm	MT	11514.00

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu.  
2) GST extra applicable as per GO

**23.0 MECHANICAL JOINT COLLARS**

Unique Code	Description	unit	Rate for 2024-25 in Rupees.
	Supply and Delivery of MJ Collars.		
WD-M1545	100mm	Each	2986.20
WD-M1546	150mm	Each	4749.20
WD-M1547	200mm	Each	6198.30
WD-M1548	250mm	Each	8628.60
WD-M1549	300mm	Each	11202.00
WD-M1550	350mm	Each	15992.70
WD-M1551	400mm	Each	19048.80
WD-M1552	450mm	Each	22033.90
WD-M1553	500mm	Each	28129.30
WD-M1554	600mm	Each	35894.30

Note : 1) The above rates are basic rates inclusive of transportation charges anywhere in Tamilnadu  
2) GST extra applicable as per GO

**I. RATES FOR MATERIALS**  
**(B. MECHANICAL ITEMS)**

**1.0****CENTRIFUGAL MONOBLOC PUMPSET AS PER IS 9079/2002 WITHOUT  
PANEL BOARD THREE PHASE**

Supply and delivery of Electric Monoset centrifugal pump conforming to IS 9079:2002 as amended from time to time, with CI FG 200 Casing, hydraulically and dynamically balanced Bronze grade LTB-2 impeller, impeller ring and casing ring, stainless steel shaft capable of discharging required quantity of water against a total head noted below due to all causes. Pump shall of BEE 3 Star Rated and capable of discharging the specified quantity at the head noted at the minimum NPSHA at site conditions. The shut off head shall be atleast 25% over and above the head at duty point. The pump shall be suitable for operation in AC three phase , 415 V+/- 10% , 50 Hz +/- 5%. Squirrel cage induction motor for continuous operation. The speed of the Pump and Motor shall be not less than 2700 to 2900 RPM respectively.

<b>Unique Code</b>	<b>Duty lpmxm</b>	<b>Unit</b>	<b>Rate for 2024 - 25 in Rupees</b>
WD-M1555	100x20	1 No	13789
WD-M1556	150x20	1 No	20315
WD-M1557	200x20	1 No	21109
WD-M1558	250x20	1 No	22679
WD-M1559	300x20	1 No	22679
WD-M1560	350x20	1 No	22679
WD-M1561	400x20	1 No	22679
WD-M1562	450x20	1 No	22679
WD-M1563	500x20	1 No	28021
WD-M1564	700x20	1 No	28336
WD-M1565	50x35	1 No	21925
WD-M1566	100x35	1 No	24915
WD-M1567	150x35	1 No	30134
WD-M1568	200x35	1 No	33924
WD-M1569	250x35	1 No	38119
WD-M1570	300x35	1 No	38119
WD-M1571	350x35	1 No	38119
WD-M1572	400x35	1 No	35901
WD-M1573	450x35	1 No	35901
WD-M1574	500x35	1 No	35901

WD-M1575	50x50	1 No	33921
WD-M1576	100x50	1 No	38119
WD-M1577	150x50	1 No	38119
WD-M1578	200x50	1 No	40760
WD-M1579	250x50	1 No	40760
WD-M1580	300x50	1 No	40760

Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per G.O  
3) Duty of the Pumpset is the criteria for the rates.

**2.0. SINGLE PHASE SUBMERSIBLE PUMPSET AS PER IS 8034/2002  
WITHOUT PANEL BOARD**

Supply and delivery of clear water vertical wet type submersible pump conforming to IS 8034/2002 and as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continuous rated two pole suitable wet type vertical squirrel cage induction motor suitable for operation in AC single phase 230 V +/- 10 %, 50 HZ +/- 5 %

Unique Code.	Duty lpm x m	Unit	Rate for 2024- 25 in Rupees
WD-M1581	15x40	1 No	23797
WD-M1582	15x50	1 No	23797
WD-M1583	15x60	1 No	24743
WD-M1584	15x70	1 No	28590
WD-M1585	15x80	1 No	28590
WD-M1586	15x90	1 No	28590
WD-M1587	15x100	1 No	32616
WD-M1588	15x125	1 No	37053
WD-M1589	15X150	1 No	39883
WD-M1590	20x40	1 No	24743
WD-M1591	20x50	1 No	24743
WD-M1592	20x60	1 No	24743

WD-M1593	20x70	1 No	28590
WD-M1594	20x80	1 No	28590
WD-M1595	20x90	1 No	29119
WD-M1596	20x100	1 No	34726
WD-M1597	20X125	1 No	37053
WD-M1598	20X150	1 No	39656

Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per G.O.  
3) Duty of the Pumpset is the criteria for the rates.

### **3.0 THREE PHASE SUBMERSIBLE PUMPSET SUITABLE FOR 100MM DIA BOREWELL AS PER IS 8034/2002 WITHOUT PANEL BOARD**

Supply and delivery of clear water vertical wet type submersible pump suitable for 100mm dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continuous rated two pole suitable wet type vertical squirrel cage induction motor as per IS9283 /1995 and as amended there after, suitable for operation in AC three phase 415 V+/- 10 %, 50 HZ +/- 5 %

<b>Unique Code</b>	<b>Duty lpm x m</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1599	30x40	1 No	24229
WD-M1600	30x50	1 No	24371
WD-M1601	30x60	1 No	25511
WD-M1602	30x70	1 No	26937
WD-M1603	30x80	1 No	30785
WD-M1604	30x90	1 No	33493
WD-M1605	30x100	1 No	33493
WD-M1606	30x125	1 No	36771
WD-M1607	40x40	1 No	24087
WD-M1608	40x50	1 No	25369
WD-M1609	40x60	1 No	25369

WD-M1610	40x70	1 No	33065
WD-M1611	40x80	1 No	34491
WD-M1612	40x90	1 No	37198
WD-M1613	40x100	1 No	37198

- Note:
- 1) The above rates are basic rates only.
  - 2) GST extra applicable as per G.O.
  - 3) Duty of the Pumpset is the criteria for the rates.

### **3.1 THREE PHASE SUBMERSIBLE PUMPSET SUITABLE FOR 150MM DIA BOREWELL AS PER IS 8034/2002 WITHOUT PANEL BOARD**

Supply and delivery of clear water vertical wet type submersible pumpset suitable for 150mm dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continuous rated two pole suitable wet type vertical squirrel cage induction motor as per IS9283 /1995 as amended there after, suitable for operation in AC three phase 415 V+/- 10 %, 50 HZ +/- 5 %

<b>Unique Code</b>	<b>Duty lpm x m</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1614	50x40	1 No	33943
WD-M1615	50x50	1 No	36849
WD-M1616	50x60	1 No	36849
WD-M1617	50X75	1 No	41834
WD-M1618	50x100	1 No	49415
WD-M1619	50x125	1 No	54716
WD-M1620	50x175	1 No	67014
WD-M1621	50x200	1 No	77002
WD-M1622	50x225	1 No	79973
WD-M1623	50x250	1 No	86797
WD-M1624	50x275	1 No	102980
WD-M1625	75x40	1 No	36240
WD-M1626	75x50	1 No	37403
WD-M1627	75x60	1 No	39241

WD-M1628	75x75	1 No	44747
WD-M1629	75x100	1 No	54661
WD-M1630	75x125	1 No	57511
WD-M1631	75x150	1 No	67014
WD-M1632	75x175	1 No	69159
WD-M1633	75x200	1 No	75636
WD-M1634	75x225	1 No	79613
WD-M1635	75x250	1 No	94324
WD-M1636	75x275	1 No	102980
WD-M1637	100x30	1 No	33943
WD-M1638	100x40	1 No	36240
WD-M1639	100x50	1 No	39533
WD-M1640	100x60	1 No	41834
WD-M1641	100x75	1 No	49328
WD-M1642	100x100	1 No	57499
WD-M1643	100x125	1 No	67009
WD-M1644	100x175	1 No	67009
WD-M1645	100x200	1 No	73136
WD-M1646	100x225	1 No	94433
WD-M1647	100x250	1 No	102980
WD-M1648	125x25	1 No	34270
WD-M1649	125x40	1 No	36240
WD-M1650	125x50	1 No	39379
WD-M1651	125x60	1 No	43570
WD-M1652	125x75	1 No	44386
WD-M1653	125x100	1 No	53921
WD-M1654	125x125	1 No	60752

WD-M1655	125x200	1 No	82656
WD-M1656	125x225	1 No	87904
WD-M1657	150x25	1 No	34270
WD-M1658	150x40	1 No	36240
WD-M1659	150x50	1 No	36849
WD-M1660	150x60	1 No	43570
WD-M1661	150x75	1 No	48372
WD-M1662	150x100	1 No	54827
WD-M1663	150x125	1 No	60751
WD-M1664	175x40	1 No	36240
WD-M1665	175x50	1 No	43184
WD-M1666	175x60	1 No	44557
WD-M1667	175x75	1 No	44557
WD-M1668	175x100	1 No	53219
WD-M1669	200x25	1 No	34270
WD-M1670	200x40	1 No	36240
WD-M1671	200x50	1 No	40428
WD-M1672	200x60	1 No	48771
WD-M1673	200x75	1 No	49328
WD-M1674	200x100	1 No	60219
WD-M1675	200x125	1 No	69372
WD-M1676	250x40	1 No	36240
WD-M1677	250x50	1 No	43680
WD-M1678	250x60	1 No	43680
WD-M1679	250x75	1 No	59055
WD-M1680	250x100	1 No	69374
WD-M1681	250x125	1 No	84037

WD-M1682	300x40	1 No	37757
WD-M1683	300x50	1 No	44043
WD-M1684	300x60	1 No	59325
WD-M1685	300x75	1 No	68537
WD-M1686	300x100	1 No	70098
WD-M1687	350x40	1 No	44043
WD-M1688	350x50	1 No	51528
WD-M1689	350x60	1 No	59325
WD-M1690	350x75	1 No	69372
WD-M1691	350x100	1 No	77265
WD-M1692	400x40	1 No	52021
WD-M1693	400x50	1 No	65246
WD-M1694	400x60	1 No	61102
WD-M1695	400x75	1 No	81426
WD-M1696	500x40	1 No	57822
WD-M1697	500x50	1 No	61102
WD-M1698	500x75	1 No	81426
WD-M1699	600x40	1 No	59811
WD-M1700	600x50	1 No	80604
WD-M1701	600x75	1 No	92868

Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per GO)  
3) Duty of the Pumpset is the criteria for the rates.

#### 4.0 OPENWELL SUBMERSIBLE PUMPSET AS PER IS 14220 / 2002 WITHOUT PANEL BOARD

Supply and delivery of Open well Submersible pump set conforming to IS 14220 /2002 and as amended thereafter and BEE 3 Star Rated capable of discharging the following duties due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze mixed type impeller, CI FG 200 grade casing and brass screws and rotor shall be of copper rod as per IS 613/1984 with ISI mark. The pump suitable for installation in sump with 1.1KV grade 3 core suitable copper flat submersible cable to a length of 15m with necessary cable joints. The non-return valve located at the top of the pump in the discharge outlet connection is to be designed with minimum friction. The pump should be directly coupled to 2880 RPM, three phase, 50 Hz ( $\pm 5$ ), 415V+6% & 415V-15% squirrel cage induction motor suitable for DOL upto 5 HP, Fully Automatic Air break Star Delta up to 20 HP and Auto Transformer starter for above 20 HP starting and for continuous operation.

Unique Code	Duty lpm x m	Unit	Rate for 2024- 25 in Rupees
WD-M1702	50x25	1 No	29498
WD-M1703	50x40	1 No	29540
WD-M1704	50x50	1 No	35028
WD-M1705	50x60	1 No	43810
WD-M1706	50x75	1 No	57304
WD-M1707	50x100	1 No	57982
WD-M1708	50x125	1 No	94636
WD-M1709	75x25	1 No	29539
WD-M1710	75x40	1 No	33122
WD-M1711	75x50	1 No	37527
WD-M1712	75x60	1 No	43810
WD-M1713	75x75	1 No	57304
WD-M1714	75x100	1 No	57984
WD-M1715	75x125	1 No	88580
WD-M1716	75x150	1 No	115638
WD-M1717	100x25	1 No	31928
WD-M1718	100x40	1 No	37527
WD-M1719	100x50	1 No	39447
WD-M1720	100x60	1 No	57305

WD-M1721	100x75	1 No	57983
WD-M1722	100x100	1 No	57983
WD-M1723	100x125	1 No	94781
WD-M1724	125x25	1 No	32789
WD-M1725	125x40	1 No	39377
WD-M1726	125x50	1 No	46403
WD-M1727	125x75	1 No	57305
WD-M1728	125x100	1 No	57983
WD-M1729	125x125	1 No	94781
WD-M1730	150x25	1 No	33548
WD-M1731	150x40	1 No	39377
WD-M1732	150x50	1 No	39447
WD-M1733	150x60	1 No	57304
WD-M1734	150x75	1 No	57304
WD-M1735	150x100	1 No	57984
WD-M1736	150x125	1 No	97093
WD-M1737	175x25	1 No	33082
WD-M1738	175x40	1 No	39377
WD-M1739	175x50	1 No	46403
WD-M1740	175x60	1 No	57305
WD-M1741	175x75	1 No	57305
WD-M1742	175x100	1 No	82038
WD-M1743	200x25	1 No	33082
WD-M1744	200x40	1 No	39377
WD-M1745	200x50	1 No	39447
WD-M1746	200x60	1 No	57305
WD-M1747	200x75	1 No	65286

WD-M1748	200x100	1 No	82038
WD-M1749	200x125	1 No	114912
WD-M1750	250x25	1 No	33548
WD-M1751	250x40	1 No	39447
WD-M1752	250x50	1 No	48804
WD-M1753	250x60	1 No	57305
WD-M1754	250x75	1 No	81328
WD-M1755	250x100	1 No	86889
WD-M1756	250x125	1 No	113188
WD-M1757	300x25	1 No	33548
WD-M1758	300x40	1 No	39447
WD-M1759	300x50	1 No	46403
WD-M1760	300x60	1 No	65286
WD-M1761	300x75	1 No	82038
WD-M1762	300x100	1 No	86889
WD-M1763	350x25	1 No	36156
WD-M1764	350x40	1 No	51624
WD-M1765	350x50	1 No	57717
WD-M1766	350x60	1 No	67129
WD-M1767	350x75	1 No	82038
WD-M1768	350x100	1 No	86889
WD-M1769	400x25	1 No	39447
WD-M1770	400x40	1 No	51830
WD-M1771	400x50	1 No	57717
WD-M1772	400x60	1 No	69028
WD-M1773	400x75	1 No	82319
WD-M1774	500x25	1 No	39447

WD-M1775	500x40	1 No	51830
WD-M1776	500x50	1 No	57717
WD-M1777	500x75	1 No	83201
WD-M1778	600x25	1 No	39377
WD-M1779	600x40	1 No	58816
WD-M1780	600x50	1 No	70341
WD-M1781	600x75	1 No	83201
WD-M1782	700x40	1 No	62644
WD-M1783	700x60	1 No	84378
WD-M1784	700x80	1 No	88377
WD-M1785	700x100	1 No	86782
WD-M1786	800x40	1 No	65739
WD-M1787	800x60	1 No	84378
WD-M1788	800x80	1 No	88377
WD-M1789	800x100	1 No	88544
WD-M1790	900x40	1 No	83577
WD-M1791	900x60	1 No	84378
WD-M1792	900x80	1 No	88377
WD-M1793	900x100	1 No	88544
WD-M1794	1000x40	1 No	97781
WD-M1795	1000x60	1 No	100271
WD-M1796	1000x80	1 No	118610
WD-M1797	1000x100	1 No	190165
WD-M1798	1250x40	1 No	113363
WD-M1799	1250x60	1 No	130388
WD-M1800	1250x80	1 No	211164
WD-M1801	1250x100	1 No	211164

WD-M1802	1500x40	1 No	123508
WD-M1803	1500x60	1 No	187048
WD-M1804	1500x80	1 No	218607
WD-M1805	1500x100	1 No	263048
WD-M1806	2000x40	1 No	141316
WD-M1807	2000x60	1 No	218607
WD-M1808	2000x80	1 No	218607
WD-M1809	2000x100	1 No	218607
WD-M1810	2500x40	1 No	206030

Note:

- 1) The above rates are basic rates only.
- 2) GST extra applicable as per GO.
- 3) Duty of the Pumpset is the criteria for the rates.

## 5.0 RATES FOR HORIZONTAL SPLIT CASTING CENTRIFUGAL PUMP (1500 RPM) conforming to IS 1520

Supply and delivery of Horizontal split casing centrifugal pump conforming to IS 1520 and as amended thereafter with CI casing and split glands, stainless steel shaft, hydraulically and dynamically balanced bronze impellers capable of discharging required quantity of water against a total head noted below due to all causes and with the accessories such as G.M air release cock, Grease cup, G.I priming funnel, M.S lifting hook, drip water G.I pipe connections, leading to the outside of pump house rubber water deflector, double flap foot valve, G.M strainer including unique tyre type coupling, common M.S fabricated base to mount pump and motor and other standard fittings etc complete. Pump shall be capable of discharging the specified quantity at the head noted at the minimum NPSH at site conditions. The shut off head shall be atleast 25% over and above the head at duty point. The pump shall be suitable for operation in AC three phase, 415 V, 50 Hz, 1500 RPM.

Unique Code	Capacity in LPM	Rate for 2024- 25 in Rupees											Rs. in Lakhs.					
		Head in Metres											70	80	90			
		25	30	35	40	45	50	55	60	65	70	75						
A	B	C	D	E	F	G	H	I	J	K								
WD-M1811	1500	4.16	3.97	4.83	4.89	4.93	5.94	6.29	6.31	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	7.49
WD-M1812	2500	4.16	4.16	4.94	5.10	6.08	6.08	6.40	6.76	7.55	7.83	7.83	7.83	7.83	7.83	7.83	7.83	7.83
WD-M1813	3000	4.16	4.16	5.21	5.27	6.40	6.40	6.40	6.76	8.08	8.14	8.14	8.14	8.14	8.14	8.14	8.14	8.14
WD-M1814	3500	4.16	4.16	5.21	5.27	6.40	6.40	7.30	7.94	8.61	8.61	8.61	8.61	8.61	8.61	8.61	8.61	8.61
WD-M1815	4000	4.81	4.81	5.27	5.27	6.48	7.39	8.22	8.43	8.61	8.61	8.61	8.61	8.61	8.61	8.61	8.61	8.61
WD-M1816	5000	5.26	5.26	5.40	5.56	7.53	7.84	8.57	8.88	9.15	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22
WD-M1817	6000	5.26	5.26	7.29	7.46	7.91	8.46	8.96	9.95	10.41	10.61	10.61	10.61	10.61	10.61	10.61	10.61	10.96
WD-M1818	7000	6.72	7.15	7.39	7.67	8.27	8.61	9.26	10.16	10.46	11.70	11.70	11.70	11.70	11.70	11.70	11.70	11.93
WD-M1819	8000	6.91	7.15	7.46	8.22	8.61	9.06	9.26	9.70	15.14	15.51	15.51	15.51	15.51	15.51	15.51	15.51	16.27
WD-M1820	9000	6.91	7.39	7.64	8.61	8.88	9.06	9.26	9.39	15.87	17.38	17.38	17.38	17.38	17.38	17.38	17.38	18.72
WD-M1821	10000	6.91	7.39	7.75	8.65	9.09	9.47	9.47	16.40	20.97	21.86	21.86	21.86	21.86	21.86	21.86	21.86	21.99
WD-M1822	15000	8.51	8.76	8.54	10.51	11.03	11.62	13.67	18.13	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.99
WD-M1823	20000	9.34	9.52	9.53	18.47	18.97	20.83	23.77	23.77	24.28	24.41	24.41	24.41	24.41	24.41	24.41	24.41	25.08
WD-M1824	25000	21.51	21.85	22.46	22.78	23.35	23.39	24.32	24.32	25.08	25.62	25.62	25.62	25.62	25.62	25.62	25.62	25.53
WD-M1825	30000	23.27	24.14	25.29	25.67	25.89	23.99	26.56	30.32	34.24	35.48	35.48	35.48	35.48	35.48	35.48	35.48	36.47

Note: 1) The above rates are basic rates inclusive of MS base plate, flexible tyre coupling and foundation bolts.

2) GST extra applicable as per GO

3) Efficiency may be taken from universal curve for calculation of motor HP, otherwise manufacturers may be consulted for efficiency curve.

4) NPSH requirement should be assessed and sump should be designed accordingly.

**6.0****HORIZONTAL SQUIRREL CAGE MOTOR 1500 RPM****AC three Phase /415 V/ Horizontal SPDP 4 Pole Squirrel cage Induction motor for HSC Centrifugal pumps**

Supply and delivery of AC three Phase 4 pole Horizontal squirrel cage Induction motor confirming to IS 325/1996 and as amended thereafter with Class F insulation to suit the speed of pump and suitable for operation with continuous S1 rated, 415 V +/- 10 %, 50 HZ +/- 5%, TEFC (upto 20 HP), SPDP (above 20 HP). The motor offered should be of energy efficient motors.

<b>Unique Code</b>	<b>KW</b>	<b>HP</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1826	9.3	12.5	108024
WD-M1827	11	15	114681
WD-M1828	15	20	135072
WD-M1829	18.5	25	184506
WD-M1830	22	30	202620
WD-M1831	30	40	229305
WD-M1832	37	50	287396
WD-M1833	45	60	347631
WD-M1834	55	75	354846
WD-M1835	75	110	538887
WD-M1836	90	120	567756
WD-M1837	110	150	708409
WD-M1838	125	170	911778
WD-M1839	132	180	964703
WD-M1840	150	200	973123
WD-M1841	160	215	1060933
WD-M1842	180	240	1060933
WD-M1843	187	250	1104236
WD-M1844	200	270	1186031
WD-M1845	220	300	1558923
WD-M1846	250	335	1774950

WD-M1847	280	375	2449046
WD-M1848	300	400	2826750

Note: 1)The above rates are basic rates inclusive of handling charges.

2) GST extra applicable as per GO

## 7.0

### HORIZONTAL SQUIRREL CAGE MOTOR 1000 RPM

#### AC three Phase /415 V/ Horizontal SPDP 6 Pole Squirrel cage Induction motor for HSC Centrifugal pumps

Supply and delivery of AC three Phase 6 pole Horizontal squirrel cage Induction motor conforming to IS 325/1996 and as amended thereafter with Class F insulation to suit the speed of pump and suitable for operation with continuous S1 rated, 415 V +/- 10%, 50 HZ +/- 5%, TEFC (upto 20 HP), SPDP (above 20 HP). The motor offered should be of energy efficient motors.

Unique Code	KW	HP	Rate for 2024- 25 in Rupees
WD-M1849	9.3	12.5	104819
WD-M1850	11	15	110144
WD-M1851	15	20	155230
WD-M1852	18.5	25	183324
WD-M1853	22	30	235967
WD-M1854	30	40	294333
WD-M1855	37	50	367900
WD-M1856	45	60	453211
WD-M1857	55	75	519226
WD-M1858	75	110	623224
WD-M1859	90	120	706949
WD-M1860	110	150	908297
WD-M1861	125	170	1080679
WD-M1862	132	180	1080679
WD-M1863	150	200	1153566
WD-M1864	160	215	1244078
WD-M1865	180	240	1741075

WD-M1866	187	250	1768923
WD-M1867	200	270	1914637
WD-M1868	220	300	2196824
WD-M1869	250	335	2459350

Note:

- 1) The above rates are basic rates inclusive of handling charges.
- 2) GST extra applicable as per GO

**8.0 VERTICAL TURBINE PUMP (WATER LUBRICATED) CONFIRMING TO IS1710/1989 (REAFFIRMED 2009) 1500 RPM SUITABLE FOR VERTICAL HOLLOW SHAFT SQUIRREL CAGE**

Supply and delivery of Vertical type water/Oil lubricated statically, dynamically, hydraulically balanced turbine pump capable of discharging the following duty condition as given below due to all causes with surface discharge head conforming to IS 1710 and as amended as on date with accessories as per IS 5120/1977 (Reaffirmed 2011 ) and as amended thereafter to suit the site condition. The speed, No. of stages, sizes of column pipes and line shaft indicated is based on site condition prevailing during investigation. The pump should be supplied with non reversible ratchet pin housing safety clutch, suction strainer etc. The Pump Bowl assembly shall be with bronze impeller running at 1450 rpm. The pump includes suitable head shaft, suitable 1.5 metre long SS line shaft required Nos. to suit the well depth, Rubber line shaft bearing of required Nos., C.I Bearing retainer of required Nos., 100 litre HDPE Pre- lubricating tank with 20mm PVC Rigid pipe connection along with GM gate valves, Suitable ERW column pipe of each 1.5m long of required Nos. to suit the well depth, Suction bell mouth of suitable size, M.S. clamps suitable for column pipe/line shaft -2 set and Spanner - 1 set etc complete

Unique Code	Capacity in LPM	Rate for 2024- 25 in Rupees										Rs. in Lakhs									
		Head in Metres										15m	20m	30m	40m	50m	60m	70m	80m	90m	100m
		A	B	C	D	E	F	G	H	I	J										
WD-M1870	1500	4.16	4.16	4.44	4.44	4.61	4.73	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.53	5.82	
WD-M1871	2000	8.32	8.81	9.86	10.93	12.18	13.02	13.55	13.83	14.10	14.10	14.10	14.10	14.10	14.10	14.10	14.10	14.10	14.10	14.10	
WD-M1872	3000	10.75	10.99	11.66	12.97	14.35	14.94	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.59	
WD-M1873	4000	11.76	12.16	15.13	15.37	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	
WD-M1874	5000	14.20	14.63	15.37	14.79	16.95	17.37	18.09	18.38	18.63	18.63	18.63	18.63	18.63	18.63	18.63	18.63	18.63	18.63	18.63	
WD-M1875	6000	14.63	14.63	15.58	16.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37	
WD-M1876	7000	14.63	14.63	15.58	16.37	17.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	
WD-M1877	8000	15.89	15.89	16.37	17.13	17.60	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	
WD-M1878	10000	15.58	15.89	16.51	17.13	17.60	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	
WD-M1879	15000	17.08	17.47	17.60	18.09	17.29	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	19.14	
WD-M1880	20000	19.44	20.06	20.88	21.65	22.20	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	
WD-M1881	25000	19.98	20.62	21.39	22.05	22.71	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	
WD-M1882	30000	34.26	35.87	37.19	39.70	40.08	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	42.22	

Note: 1) The above rates are basic rates inclusive of transportation, handling charges

2) GST extra applicable as per GO

3) Multiply with 1.15 for oil lubricated pumps (for raw water)

4) Rates given are with suspension length of 7m, bronze impeller, SS 401 shaft, MS column pipe, discharge case & CI bell mouth.

5) Add 7.5% extra for each 1.5 m length column pipe assembly in the above rate.

## 9.0 VERTICAL HOLLOW/SOLID SHAFT MOTORS FOR TURBINE PUMP

### AC three Phase / 415 V/ Vertical Hollow/ Solid Shaft TEFC & SPDP 4 Pole Squirrel cage Induction motor 1500RPM

Supply and delivery of vertical Hollow/Solid shaft Squirrel cage induction motor (IS 325) suitable for the above pump continuous rated TEFC/SPDP type with Class 'F' insulation for operation in AC, three Phase/50 HZ ( $\pm 5\%$ ), 415V ( $\pm 10\%$ ) running with a speed of pump noted above and with inbuilt thrust bearing assembly capable of taking up the entire load and non - reverse ratchet assembly etc., complete. The motor rating noted above is the minimum and shall be such that it should never be over loaded when the pump works at MWL condition and shall be 10% over and above the maximum HP absorbed by the pump. The motor offered should be energy efficient to have maximum efficiency at high power factor. Separate thrust bearing assembly could also be supplied to take up the down load.

Unique Code	KW	HP	Rate for 2024- 25 in Rupees
<b>TEFC MOTORS</b>			
WD-M1883	18.5	25	129861
WD-M1884	22	30	142850
WD-M1885	30	40	165269
WD-M1886	37	50	216321
WD-M1887	45	60	261360
<b>SPDP MOTORS</b>			
WD-M1888	55	75	409201
WD-M1889	75	100	539929
WD-M1890	90	120	563119
WD-M1891	110	150	725641
WD-M1892	125	170	749910
WD-M1893	132	180	840919
WD-M1894	150	200	947334
WD-M1895	160	215	1138213
WD-M1896	180	240	1186751
WD-M1897	187	250	1195245
WD-M1898	200	270	1322657
WD-M1899	220	300	1383329
WD-M1900	250	335	1480406
WD-M1901	280	375	1730066

WD-M1902	300	400	1961325
WD-M1903	380	520	2166402
WD-M1904	400	540	2563467

Note: 1) The above rates are basic rates only inclusive of handling charges.  
2) GST extra applicable as per GO

**10.0 Iron core Oil Cooled Transformer with Copper Winding Conforming to IS 1180 (Part 1) of 2014**

Supply and delivery of 11 KV/433 Volts, 22 KV/433 Volts, three Phase 50 HZ double wound oil immersed natural air cooled, core type continuous rating, outdoor distribution power transformer with copper winding for voltage ratio 22-11 KV/433 volts between phases with neutral brought out at LV side. The transformer shall be contained in a mild steel plain & radiator cooled tank, conforming to IS 1180 (Part I) of 2014 with off-load tap switch for  $\pm 10\%$  on L.V side and  $\pm 5\%$  on H.V.side. The transformer shall be supplied with first filling of oil and consisting of all the fittings and accessories such as Inspection cover, Oil level indicator with minimum and filling level markings, Externally operated off circuit tap changing switch with locking device & keys, H.V. Terminals- Bushings, L.V. Terminals cable box Rating plate, Two earthing terminals, Two lifting hooks etc complete as per IS 1180 (Part I) of 2014 and as amended thereafter.

Sl. No.	Rating in KVA	Rate for 2024-25 in Rupees	
		11KV / 433 V	22 KV / 433 V
1	63	PWD rate	PWD rate
2	100		
3	150		
4	160		
5	200		
6	250		
7	315		
8	400		
9	500		
10	630		
11	750		
12	800		
13	1000		

Note :- 1) The above rates are basic rates inclusive of transportation and handling charges  
2) GST extra applicable as per GO

## 11.0 SINGLE PHASE PANEL BOARD WITH TWO LEVEL GUARD AND AUTO START

Supply and delivery of direct online starter conforming to IS13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/single Phase/50HZ( $\pm$  5%) and 230 V( $\pm$ 10%) including Ammeter, Voltmeter, Thermal Overload relay, 16 Amps 2 pole Magnetic Contactor with under Voltage protection, Indication lamp, starting capacitor, running capacitor and On/Off Push button switches, 5 way connector, wiring with 1 sq. mm/1.5 sq. mm copper PVC insulated cable, powder coated vermin proof box including the capacitor (the cost of capacitor is to be taken separately).

Unique Code	HP	Unit	Rate for 2024- 25 in Rupees
WD-M1905	1	1 No.	6707
WD-M1906	1.5	1 No	6988
WD-M1907	2	1 No	8100

- Note:
- 1) The rate are basic rates with inclusive of two level guard worth Rs.585/- and auto start facility worth Rs. 437/-
  - 2) Timer is not recommended for this panel board.
  - 3) Panel board should be provided as per specification given in Board circular No. 23/DCE/QATA/2004/Dt. 23.8.2004
  - 4) GST extra applicable as per GO

## 11.1 THREE PHASE PANEL BOARD- D.O.L WITH TWO LEVEL GUARD AND AUTO START

Supply and delivery of direct online starter conforming to IS13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/Three Phase/50HZ( $\pm$  5%) and 415 V( $\pm$ 10%) including Ammeter, Voltmeter, Thermal Overload relay, 16 Amps 2 pole Magnetic Contactor with under Voltage protection, Indication lamp, starting capacitor, running capacitor and On/Off Push button switches, 5 way connector, wiring with 1 sq. mm/1.5 sq. mm copper PVC insulated cable, powder coated vermin proof box including the capacitor (the cost of capacitor is to be taken separately).

Unique Code	HP	Unit	Rate for 2024- 25 in Rupees
WD-M1908	1	1 No.	15735
WD-M1909	2	1 No	15735
WD-M1910	3	1 No	16069
WD-M1911	4	1 No.	16069
WD-M1912	5	1 No	16480
WD-M1913	6	1 No	16480

- Note:
- 1) The rate are basic rates with inclusive of two level guard worth Rs.585/- and auto start facility worth Rs. 437/-
  - 2) For Timer facility if necessary Rs.4000 may be added as extra.
  - 3) Panel board should be provided as per specification given in Board circular No. 23/DCE/QATA/2004/Dt. 23.8.2004
  - 4) GST extra applicable as per GO
  - 5) DOL Starters are to be adopted upto 6HP

### 11.2 THREE PHASE PANEL BOARD STAR- DELTA WITH TWO LEVEL GUARD AND AUTO START

Supply and delivery of Star-Delta starter conforming to IS 13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/ Three Phase/50HZ (+/- 5%) and 415V (+/- 10%) including 3 pole magnetic contactor with under voltage release - 3 Nos., CT operated Ammeter (65 mm dia) with suppressed scale, Voltmeter (65mm dia), Voltmeter selector switch, Miniature circuit breaker, Thermal Overload relay, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, wiring with 1 sq.mm/4 sq. mm copper pvc insulated cable, powder coated vermin proof box, including the capacitor (the cost of capacitor is to be taken separately).

Unique Code	HP	Unit	Rate for 2024- 25 in Rupees
WD-M1914	6	1 No.	19784
WD-M1915	7.5	1 No	20772
WD-M1916	10	1 No	25162
WD-M1917	12.5	1 No.	26210
WD-M1918	15	1 No	27290
WD-M1919	20	1 No	27290
WD-M1920	25	1 No	27290

- Note: 1) The rate are basic rates with inclusive of two level guard worth Rs.585/- and auto start facility worth Rs. 437/-  
 2)For Timer facility if necessary Rs. 4000 may be added as extra.  
 3) Panel board should be provided as per specification given in Board circular No. 23/DCE/QATA/2004/Dt. 23.8.2004.  
 4) Air Break Fully Automatic Star Delta starters are suggested for above 6HP and upto 20HP and Auto Transformer starter for above 20HP are to be adopted.  
 5) GST extra applicable as per GO

### 11.3 DOL STARTER WITH SINGLE PHASING PREVENTOR WITH ANALOG AMMETER AND VOLTMETER CONFORMING TO IS 13947, IEC 60947-1 WITH AUTO RESTART FACILITY FOR PUMP HOUSES WHERE PANEL BOARDS ARE AVAILABLE

Supply and delivery of direct online starter conforming to IS13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/ three Phase/50HZ(+/- 5%) and 415V (+/- 10%) including Ammeter, Overload relay, under Voltage release with no Volt coil, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, including the capacitor(the cost of capacitor is to be taken separately).

WD-M1921	Upto 5 HP - Rs. 5984 /each.
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- Note : 1) The above rate is basic rate only.  
 2) GST extra applicable as per GO

**11.4****FLEX COMPENSATED MAGNETIC AMPLIFIER SOFT STARTER SUITABLE FOR L.T. SQUIRREL CAGE MOTOR**

Supply and delivery of floor mounted type FCMA Air/ Oil Cooled soft starter suitable for the LT motor offered for operation in AC three Phase 50Hz (+/- 5%), 415V(+/-10%) including line contactors suitable for next standard higher KW rating, Over load relay, instrument panel with frequency meter, Ammeter, Voltmeter, indicating lamp 6Nos, LED ON/OFF type and Start /Stop push button.

Unique Code	KW	Unit	Rate for 2024- 25 in Rupees
WD-M1922	30 to 37	1 No	217855
WD-M1923	38 to 75	1 No	388408
WD-M1924	76 to 135	1 No	541528
WD-M1925	136 to 160	1 No	612490
WD-M1926	161 to 250	1 No	915002
WD-M1927	251 to 300	1 No	1073102
WD-M1928	301 to 500	1 No	1509178
WD-M1929	501 to 750	1 No	1978144

- Note: 1)The above rates are basic rates only  
 2) FCMA soft starters are to be adopted for 100 HP and above.  
 3) GST extra applicable as per GO

**11.5****FLEX COMPENSATED MAGNETIC AMPLIFIER SOFT STARTER SUITABLE FOR H.T. SQUIRREL CAGE MOTOR**

Supply and delivery of suitable KW indoor automatic air cooled dust and vermin proof FCMA Soft Starter for the operation in 3.3 KV three Phase 50 HZ, AC supply termination with phase segregated neutral terminal box of the motor , housed in 14 SWG sheet steel enclosure, painted with epoxy or polyurethane , 230V AC 10 Amps control supply , Class B insulation, 300 mm height fabricated pedestal (to prevent water ingress for starter panel) and condensation heater with switch and thermostat, interlocking with running motor with built in facility for run mode/ by pass etc. complete. The starter may be provided with contactors suitable for next standard higher KW rating, Over load relay, instrument panel with frequency meter, Ammeter, Voltmeter, indicating lamp 6 Nos, LED ON/OFF type and Start /Stop push button.

Unique Code	KW	Unit	Rate for 2024- 25 in Rupees
WD-M1930	250	1 No	874325
WD-M1931	300	1 No	920923
WD-M1932	350	1 No	988800
WD-M1933	400	1 No	1036195
WD-M1934	500	1 No	1081543

WD-M1935	600	1 No	1216300
WD-M1936	700	1 No	1338429
WD-M1937	800	1 No	1495949
WD-M1938	900	1 No	1622952
WD-M1939	1000	1 No	1775314

Note: 1) The above rates are basic rates only  
2) FCMA soft starters are to be adopted for 100 HP and above.  
3) GST extra applicable as per GO

**11.6 FULLY AUTOMATIC AIR BREAK STAR DELTA STARTER WITH SINGLE PHASE PREVENTOR WITH AMMETER CONFIRMING TO IS 13947, IEC 60947-1 WITH AUTO RESTART FACILITY FOR PUMP HOUSES WHERE PANEL BOARDS ARE AVAILABLE**

Supply and delivery of Star-Delta starter where panel boards are available confirming to IS 13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/ three Phase/50HZ(+/- 5%) and 415V (+/- 10%) including 3 pole magnetic contactor with under voltage release - 3 Nos., CT operated Ammeter(65 mm dia) with suppressed scale, Voltmeter (65mm dia), Voltmeter selector switch, Miniature Circuit breaker, Thermal Overload relay, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, wiring with 1 sq.mm/4 sq. mm copper pvc insulated cable, powder coated vermin proof box, including the capacitor (the cost of capacitor is to be taken separately).

Unique Code	KW Rating	HP	Unit	Rate for 2024- 25 in Rupees
WD-M1940	7.5	10	1 No	19890
WD-M1941	11	15	1 No	19890
WD-M1942	15	20	1 No	21448
WD-M1943	18.5	25	1 No	21448
WD-M1944	22	30	1 No	35005
WD-M1945	30	40	1 No	40097
WD-M1946	37	50	1 No	45729

Note: 1) The above rates are basic rates inclusive of handling charges.  
2) GST extra applicable as per GO  
3) Air Break Fully Automatic Star Delta starters are suggested for above 6HP and upto 20HP and Auto Transformer starter for above 20HP are to be adopted.

**11.7 FULLY AUTOMATIC AIR BREAK AUTO TRANSFORMER STARTER WITH SINGLE PHASING PREVENTOR WITH AMMETER CONFIRMING TO IS 8544 Part IV WITH AUTO RESTART FACILITY**

Supply and delivery of Fully Automatic Auto Transformer Starter suitable for the motor offered. Floor mounting type air/ oil cooled Auto Transformer Starter with tapings at 50%, 65%, 80%, housed in robust steel chamber with arc and main contacts conforming to IS 8544 Part IV and as amended thereafter for operation in AC three Phase 50 Hz (+/- 5%), 415V (+/- 10%) with the following components, under voltage release with no volt coil, over load relay with dash pot arrangements, single phasing preventor, LED ON/ OFF switches, Mounted Ammeter, Earth leakage relay, contactor assembly suitable for next standard KW rating, in coming and out going cable entry provisions, transformer tank including first filling of oil etc.

Unique Code	KW Rating	HP	Unit	Rate for 2023-24 in Rupees
WD-M1947	5.5	7.5	1 No	34905
WD-M1948	7.5	10	1 No	34905
WD-M1949	9	12.5	1 No	40150
WD-M1950	11	15	1 No	41824
WD-M1951	15	20	1 No	83646
WD-M1952	22	30	1 No	106915
WD-M1953	30	40	1 No	120272
WD-M1954	37	50	1 No	135960
WD-M1955	45	60	1 No	154838
WD-M1956	60	80	1 No	214160
WD-M1957	75	100	1 No	234624

- Note: 1) The above rates are basic rates inclusive of handling charges.  
2) GST extra applicable as per GO  
3) Air Break Fully Automatic Star Delta starters are suggested for above 6HP and upto 20HP and Auto Transformer starter for above 20HP are to be adopted.

**12.0 L.T. CABLES 3,3.5,4 CORE 1.1 KV GRADE ARMOURED ALUMINIUM CONDUCTOR CROSS LINKED POLY ETHYLENE INSULATED PVC SHEATHED CABLES CONFORMING TO IS 7098 (PART I)/1988 AND AS AMENDED THEREAFTER WITH ISI MARKING**

Unique Code	Description	Unit	Rate for 2024 - 25 in Rupees
			3 Core
WD-M1958	4sq.mm	metre	92
WD-M1959	6sq.mm	metre	112
WD-M1960	10sq.mm	metre	126
WD-M1961	16sq.mm	metre	132

WD-M1962	25sq.mm	metre	166
WD-M1963	35sq.mm	metre	203
WD-M1964	50sq.mm	metre	269
WD-M1965	70sq.mm	metre	354
WD-M1966	95sq.mm	metre	465
WD-M1967	120sq.mm	metre	558
WD-M1968	150sq.mm	metre	681
WD-M1969	185sq.mm	metre	839
WD-M1970	240sq.mm	metre	1060
WD-M1971	300sq.mm	metre	1286
WD-M1972	400sq.mm	metre	1647

Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per GO

**12.1 PVC INSULATED AND SHEATHED 3 CORE FLAT TYPE COPPER CABLE CONFORMING TO IS 694/1990 AND AS AMENDED THEREAFTER**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M1973	1.5 sq.mm	meter	89
WD-M1974	2.5 sq.mm	meter	138
WD-M1975	4.0 sq.mm	meter	206
WD-M1976	6.0 sq.mm	meter	277
WD-M1977	10.0 sq.mm	meter	481
WD-M1978	16.0 sq.mm	meter	747
WD-M1979	25.0 sq.mm	meter	1022
WD-M1980	35.0 sq.mm	meter	1499
WD-M1981	50.0 sq.mm	meter	2099
WD-M1982	70.0 sq.mm	meter	3093
WD-M1983	95.0 sq.mm	meter	3768

Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per GO  
3) The above cable should be adopted for Bore well submersible pumpsets only.

**12.2 RATE FOR CABLE JOINTS INCLUDING JOINTING MATERIALS AND LABOUR**

**I. JOINTING OF L.T. CABLES- 3,3.5,4 CORE 1.1 KV GRADE ARMOURED ALUMINIUM CONDUCTOR CABLE CONFORMING TO IS 1554 PART I AND AS AMENDED THERE AFTER WITH ISI MARKING**

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees		
			3 Core	3.5 Core	4 Core
			A	B	C
WD-M1984	4sq.mm	Joint	91	-	183
WD-M1985	6sq.mm	Joint	110	-	192
WD-M1986	10sq.mm	Joint	125	-	212
WD-M1987	16sq.mm	Joint	130	-	277
WD-M1988	25sq.mm	Joint	162	338	-
WD-M1989	35sq.mm	Joint	200	398	-
WD-M1990	50sq.mm	Joint	264	518	-
WD-M1991	70sq.mm	Joint	349	665	-
WD-M1992	95sq.mm	Joint	458	861	-
WD-M1993	120sq.mm	Joint	551	1053	-
WD-M1994	150sq.mm	Joint	673	1244	-
WD-M1995	185sq.mm	Joint	828	1526	-
WD-M1996	240sq.mm	Joint	1044	1928	-
WD-M1997	300sq.mm	Joint	1268	2364	-
WD-M1998	400sq.mm	Joint	1623	3026	-

**II. JOINTING OF XLPE INSULATED AND SHEATHED 3 CORE FLAT TYPE COPPER CABLE CONFORMING TO IS 694/1990 AND AS AMENDED THEREAFTER**

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M1999	1.5 sq.mm	Joint	89
WD-M2000	2.5 sq.mm	Joint	143
WD-M2001	4.0 sq.mm	Joint	211
WD-M2002	6.0 sq.mm	Joint	282

WD-M2003	10.0 sq.mm	Joint	494
WD-M2004	16.0 sq.mm	Joint	764
WD-M2005	25.0 sq.mm	Joint	1005
WD-M2006	35.0 sq.mm	Joint	1471
WD-M2007	50.0 sq.mm	Joint	2063
WD-M2008	70.0 sq.mm	Joint	3042
WD-M2009	95.0 sq.mm	Joint	3703

### III. JOINTING OF HT CABLE -XLPE INSULATED ARMoured ALUMINIUM CONDUCTOR CABLE

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees	
			11KV	12KV
			A	B
WD-M2010	3 C 240 sq.mm	Joint	1584	1934
WD-M2011	3 C 185 sq.mm	Joint	1318	1635
WD-M2012	3 C 150 sq.mm	Joint	1120	1454
WD-M2013	3 C 120 sq.mm	Joint	995	1307
WD-M2014	3 C 95 sq.mm	Joint	845	1183
WD-M2015	3 C 70 sq.mm	Joint	756	1042

### 12.3 CABLE LAYING

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees	
			For laying below GL including earth work	For laying in trenches inside the pump room or in air
			A	B
WD-M2016	up to 95 sq. mm	metre	191	123
WD-M2017	95 to 240 sq.mm	metre	268	186
WD-M2018	240 to 400 sq.mm	metre	388	305

**12.4****CABLE CLAMPS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>	
WD-M2019	up to 95 sq. mm	each	364	
WD-M2020	95 to 240 sq.mm	each	454	
WD-M2021	240 to 400 sq.mm	each	671	

- Note :
- 1) The above rates are basic rates only.
  - 2) GST extra applicable as per GO
  - 3) For every 3 metre length one set of clamp is to be provided
  - 4) Suitable number of clamps are to be arrived at according to the length
  - 5) Provision for cable trench and delivery pipe duct are to be provided in pump house detailed estimate.

**H.T. CABLE****12.5. PVC INSULATED ARMOURED ALUMINIUM CONDUCTOR CABLE**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>	
			<b>11KV</b>	<b>12KV</b>
			<b>A</b>	<b>B</b>
WD-M2022	3 C 240 sq.mm	metre	1450	1886
WD-M2023	3 C 185 sq.mm	metre	1204	1610
WD-M2024	3 C 150 sq.mm	metre	1031	1435
WD-M2025	3 C 120 sq.mm	metre	920	1302
WD-M2026	3 C 95 sq.mm	metre	797	1141
WD-M2027	3 C 70 sq.mm	metre	683	1058

- Note:
- 1) The above rates are basic rates only.
  - 2) GST extra applicable as per GO

**13.0 VACCUM PUMP SET WITH ACCESSORIES**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M2028	Price for 5 HP Model/ Rotary type Vaccum pumpsets (Pumpset + GI Pipes + Fittings + Starters + Valves + 100L Tank) including Transportation, handling charges.	1 No	457748
WD-M2029	Price for 10 HP Vaccum pumpset with all above Accessories	1 No	591222

WD-M2030	150mm dia Pressure Gauge and Vacuum gauge including all accessories as per specification (For Suction and Delivery to be mounted on wall on Teak Wood Board)	1 No	8190
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Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per GO

**14.0 MOULDED CASE CIRCUIT BREAKER (MCCB) WITH THERMO MAGNETIC RELEASE**

Sl.No.	Range	Rate for 2024- 25 in Rupees	
		3POLE	4 POLE
1	32-100	PWD rate	PWD rate
2	125		
3	160		
4	200		
5	250		
6	320		
7	400		
8	630		
9	800		
10	1000		
11	1250		
12	1600		

Note:

- 1) The above rates are basic rates inclusive of handling charges and F.O.R destination
- 2) GST extra applicable as per GO
- 3) Add 35% cost of MCCB/ACB/ MCB towards the cost of fabrication, other fittings and labour

4) Upto 15 KW distribution box shall be used, for more than one outgoing loads, PWD schedule of rates shall be referred.

**15.0 RATE FOR MIXED DI-ELECTRIC CAPACITOR WITH TNEB TEST CERTIFICATE WITH ACCESSORIES INCLUDING BANKING CONFORMIING TO IS 2834.**

	<b>PWD rate</b>	
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Note: 1) The above rate is basic rate inclusive of handling charges.  
2) GST extra applicable as per GO

3) The above rate for mixed Di-Electric Capacitor with Test Certificate given per KVAR is inclusive of Banking charges, such as providing copper bus bars with provision for adding atleast 2 capacitors at later date, cable entry box, fabricating charges etc. complete. This rate is not applicable for replacement of capacitors which does not require banking and fabrication works.

**16.0 LT/LTCT METERING BOX as per IE rules and TANGEDCO norms**

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M2031	Up to 50HP/37 KW (which includes LT meter panel board, 6 Nos. suitable fuse carriers	1 No.	29141
WD-M2032	75HP/56 KW (which includes LT meter panel board, 6 Nos. suitable fuse carriers	1 No.	38030
WD-M2033	75HP-150HP/56-112KW (which includes LTCT meter panel board, 6Nos. suitable fuse carriers and 3 Nos. CT coil)	1 No.	47390
WD-M2034	In HT supply using LTCT metering box asper IE rules and TANGEDCO norms (Above 150 HP below 200 HP) 112-150 KW	1 No.	76530

Note: 1) The above rates are basic rates inclusive of handling charges.  
2) GST extra applicable as per GO

**17.0 TRANSFORMER SUB STATION RELATED WORKS**

<b>Sl.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
1	Designing and preparation of CEIG drawings, obtaining Approval and safety certificate including submission of Completion report and rectification report.	1 No.	PWD rate
2	Supply, delivery of 6 pole structure materials with suitable Size RSJ along with all structure material are as under.		
a	For 11 KV Sub station	1 No.	
b	For 22 KV Sub station	1 No.	
3	Construction of transformer plinth	1 No.	
4	Chain link fencing with gate including the TNEB 2 poles Spreading of materials as per CEIG requirements	1 No.	
5	Transformer yard earthing using copper flat and TWIN earthing as per IS		
a	Upto 250 KVATransformer sub station	1 No.	
b	Above 250 KVA Transformer sub station	1 No.	
6	Transformer sub station erection charges	1 No.	

Note: 1) The above rates are basic rates inclusive of handling charges.

2) GST extra applicable as per GO

3) Provision for cement concrete flooring has to be made at the sub station yard

**17.1 AIR CIRCUIT BREAKER (With Shunt release and Under Voltage release)**

Sl.No.	Range in AMPS	Rate for 2024- 25 in Rupees	
		3POLE	4 POLE
1	630	PWD rate	PWD rate
2	800		
3	1000		
4	1250		
5	1600		
6	2000		
7	2500		
8	3200		
9	4000		

Note: 1)The above rates are basic rates inclusive of handling charges, F.O.R destination.  
2) GST extra applicable as per GO

**18.0 SAFETY APPLIANCES**

Sl.No.	Description	Unit	Rate for 2024- 25 in Rupees
1	Electrical gloves tested to 11 KV /22 KV with wooden box dusted with french chalk powder	1 No.	PWD rate
2	Electrical quality 6mm thick rubber mat	1 No.	
3	5 kg capacity ISI marked Dry chemical powder fire extinguisher	1 No.	
4	Fire Bucket-3 Nos Hooked to MS stand	1 No.	
5	Laminated shock treatment chart	1 No.	
6	Wooden First Aid Box	1 No.	
7	Rechargeable Emergency lamp ( 600mm fluorescent lamp)	1 No.	
	<b>H.T. SUPPLY</b>		
8	Teak Wood ladder -5M Ht.	1 No.	
9	Earth Discharge Rod (3 Nos. -RYB)	1 No.	

Note: 1) The above rates are basic rates inclusive of handling charges, F.O.R destination.  
2) GST extra applicable as per GO

**19.0 TWIN CI EARTHING as per IS 3043/1987 and Latest amendments**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
WD-M2035	Upto 25 HP installation	1 No.	15475
WD-M2036	Above 25-60 HP	1 No.	23818
WD-M2037	Above 60-150 HP	1 No.	37137
WD-M2038	Above 150 HP	1 No.	59543

Note: 1) The above rates are basic rates only.  
2) GST extra applicable as per GO  
3) In case of collector well the collector well distance from the bank of the river should be ascertained to find out the weight of GI strip to be used only in the foot bridge and rate of Rs.53/- per Kg should be adopted for estimation and this amount should be added with the above rates.

**20.0 TOOLS**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024- 25 in Rupees</b>
WD-M2039	6" Chain wrench best India make or equivalent	1 No.	703
WD-M2040	8"Chain Wrench Best India Make or equivalent	1 No.	952
WD-M2041	Connector Screw Driver 901 Taparia Make or equivalent	1 No.	61
WD-M2042	200mm Screw Driver 825 Taparia Make or equivalent	1 No.	101
WD-M2043	300mm Screw Driver 829 Taparia Make or equivalent	1 No.	187
WD-M2044	400mm Screw Driver 930 Taparia Make or equivalent	1 No.	273
WD-M2045	200mm Cutting Plier Taparia Make or equivalent	1 No.	331
WD-M2046	800gm Ball Pane Hammer with Handle Taparia Make	1 No.	418
WD-M2047	Digital Tong Tester CE Make or equivalent	1 No.	3693
WD-M2048	Digital Multi Meter CE Make or equivalent	1 No.	2481
WD-M2049	15" Screw Spanner Taparia Make or equivalent	1 No.	860

WD-M2050	12" Bearing Puller	1 No.	853
WD-M2051	Lever Type Grease Gun	1 No.	698
WD-M2052	12"Screw Spanner	1 No.	631
WD-M2053	Crow Bar 5"	1 No.	617
WD-M2054	1" Cold Chisel	1 No.	226
WD-M2055	Hacksaw Frame with Blade	1 No.	140
WD-M2056	Electrical Air Blower	1 No.	3200
WD-M2057	Digital Tachometer	1 No.	2150
WD-M2058	Hand Crimping Tool 8"	1 No.	582
WD-M2059	DE Spanner set 6 to 32 Jhalani Make or equivalent	1 No.	1113
WD-M2060	Rings spanner set 6 to 32 Jhalani Make or equivalent	1 No.	2491
WD-M2061	Pipe Wrench 24" Jhalani Make or equivalent	1 No.	1426
WD-M2062	Pipe Wrench 14" Jhalani Make or equivalent	1 No.	703
WD-M2063	12" Flat rough File Scissors Jhalani Make or equivalent	1 No.	351
WD-M2064	12" Flat smooth File Scissors Jhalani Make or equivalent	1 No.	528
WD-M2065	12"Round File Rough Scissors Jhalani Make or equivalent	1 No.	409
WD-M2066	12" Round File Smooth Scissors Jhalani Make or equivalent	1 No.	487
WD-M2067	12"Half Round File Rough Scissors Jhalani Make or equivalent	1 No.	713
WD-M2068	12"Half Round File Smooth Scissors Jhalani Make or equivalent	1 No.	713

Note: 1)The above rates are basic rates inclusive of handling charges, F.O.R destination.  
2) GSTextra applicable as per GO

### 21.0 H.O.T. CRANE AND ACCESSORIES

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
WD-M2069	2T capacity hand operated over head Travelling (HOT) crane suitable for a span upto 6 Mtrs, and travel length upto 10 Mtrs. with clear lift upto 6 Mtrs. including gear type chain pulley block with GI chain and geared Travelling trolley complete with all accessories including girder	1 No.	372476
WD-M2070	2T HOT crane with above specifications upto 8 M Span including girder	1 No.	386915
WD-M2071	2T HOT crane with above specifications upto 10 M Span including girder	1 No.	420572
WD-M2072	3T capacity hand operated over head Travelling (HOT) crane suitable for a span upto 6 Mtrs, and travel length upto 10 Mtrs. with clear lift upto 6 M including gear type chain pulley block and geared Travelling trolley complete with all accessories including girder	1 No.	403137
WD-M2073	3T HOT crane with above specifications upto 8 M Span including girder	1 No.	436315
WD-M2074	3T HOT crane with above specifications upto 10 M Span including girder	1 No.	452462
WD-M2075	5T capacity hand operated over head Travelling (HOT) crane suitable for a span upto 6 Mtrs, and travel length upto 10 M with clear lift upto 6 M including gear type chain pulley block and geared Travelling trolley complete with all accessories including girder	1 No.	474747
WD-M2076	5T HOT crane with above specifications upto 8 M Span including girder	1 No.	510102
WD-M2077	5T HOT crane with above specifications upto 10M Span including girder	1 No.	530296

Note: 1) The above rates are basic rates inclusive of handling charges.  
2) GST extra applicable as per GO

## 22.0

### Submersible Centrifugal Sewage Non Clog Pumps

Supply and delivery of submersible centrifugal sewage non-clog pumps, vertical spindle type pump, wear resistance with submersible motor for the various duty conditions. Pump shall be capable of handling min 100 mm solid size with sewage specific gravity of up to 1.05. Pump shall be of robust construction, Liquid passages shall be finished smooth and designed as to allow free passage to solids. Pump Impeller should be of Non-clog semi open type, single vane / multi vane preferably contra bloc or vortex impeller design. Double mechanical seal with silicon carbide faces should be provided to protect the motor from ingress of sewage along the shaft. The critical speed of the rotor shall be at least 30% above the operating speed. Pumps should have double bearings between the pump & motor. The bearings life shall be minimum 100,000 hrs of operation with greased for life. Pump should be provided with automatic coupling device including pedestal, duck foot bend, stainless steel guide pipe or related accessories of suitable size to facilitate lifting and lowering into guide rails for easy maintenance. Pump shall be provided with a stainless steel lifting chain conforming to BS 970 Gr 304. Pump speed shall be of 9600 rpm for high duty pumps and 960/1450 rpm for low duty pumpsets. Casing and impeller should be of CI Gr. FG 260:IS210 more preferably with hardened impeller. Shaft should be of stainless steel AISI 410. All the fasteners and bolts shall be of AISI 410. The submersible motor shall be operated with 3ph, 415 V(+or- 10%), 50Hz(+or-5 %) dry induction type. Motor shall be capable of giving rated output without reduction in the expected life span when operated continuously. The rotating assembly shall be dynamically balanced as per standards. The starting current of the motor shall not exceed 200% of rated full load current for Star / Delta or ATS starting under any circumstances. The motor shall be suitable for full voltage star delta / ATS starting. The locked rotor current of the motor shall not exceed 600% of full load current unless otherwise specified. Motor shall be designed to withstand 120% of rated speed for two minutes without any mechanical damage, in either direction of rotation. The motor vibration shall be within the limit specified in applicable standards. Motor should be of IE2, explosion proof compatible for VFD operation together with star-Delta /ATS starter, protection against increase in stator winding temperature (15 deg Celsius), bearing temperature, leakage in the stator housing and terminal box shall be provided and to be suitably interlocked with the control panel for tripping the pump in case of increase in temperature beyond set limit.

Insulation class shall be of "Class H" and degree of protection shall be of IP 68 as per IS 4691. Motor shall be suitable for continuous operation in fully submerged or partially submerged condition. The pumpset shall be supplied with power cable of PVC insulated and PVC sheathed, copper, flexible, round type with required conductor size and number of cores as per starting method and of specified length for continuous use under water and air. The control cable of PVC insulated, PVC sheathed, flexible for stator winding temperature sensor 3core x 1.5 sq.mm copper conductor and for bimetallic switches 2core x 1.5 sqmm copper conductor shall be provided. Motor shall be supplied with 10m of round submersible copper cable of suitable size. The non clog submersible pumpset shall be provided with suitable starter control panel having all protections as mentioned above. (upto 5 HP - DOL Starter, above 5 HP to 25 HP -Star Delta Panel and beyond 25 HP shall be ATS)

Unique Code	Description	Unit	Rate for 2024- 25 in Rupees
	<b>10 m upto 15 m head</b>		
WD-M2078	Discharge Upto 20 M <sup>3</sup> /hour	1 No	583130
WD-M2079	Discharge 20 to 100 M <sup>3</sup> /hour	1 No	583130
WD-M2080	Discharge 100 to 200 M <sup>3</sup> /hour	1 No	615816
WD-M2081	Discharge 200 to 300 M <sup>3</sup> /hour	1 No	1057740

WD-M2082	Discharge 300 to 400 M <sup>3</sup> /hour	1 No	1280008
WD-M2083	Discharge 400 to 500 M <sup>3</sup> /hour	1 No	1533324
WD-M2084	Discharge 500 to 600 M <sup>3</sup> /hour	1 No	1904136
WD-M2085	Discharge 600 to 700 M <sup>3</sup> /hour	1 No	1904136
WD-M2086	Discharge 700 to 800 M <sup>3</sup> /hour	1 No	1884935
WD-M2087	Discharge 800 to 900 M <sup>3</sup> /hour	1 No	2013134
WD-M2088	Discharge 900 to 1000 M <sup>3</sup> /hour	1 No	2518078
WD-M2089	Discharge 1000 to 1100 M <sup>3</sup> /hour	1 No	2476712
	<b>above 15m upto 20 m head</b>		
WD-M2090	Discharge Upto 20 M <sup>3</sup> /hour	1 No	583130
WD-M2091	Discharge 20 to 100 M <sup>3</sup> /hour	1 No	583130
WD-M2092	Discharge 100 to 200 M <sup>3</sup> /hour	1 No	1014494
WD-M2093	Discharge 200 to 300 M <sup>3</sup> /hour	1 No	1108730
WD-M2094	Discharge 300 to 400 M <sup>3</sup> /hour	1 No	1423714
WD-M2095	Discharge 400 to 500 M <sup>3</sup> /hour	1 No	1533324
WD-M2096	Discharge 500 to 600 M <sup>3</sup> /hour	1 No	1904136
WD-M2097	Discharge 600 to 700 M <sup>3</sup> /hour	1 No	1904136
WD-M2098	Discharge 700 to 800 M <sup>3</sup> /hour	1 No	1884935
WD-M2099	Discharge 800 to 900 M <sup>3</sup> /hour	1 No	2013134
WD-M2100	Discharge 900 to 1000 M <sup>3</sup> /hour	1 No	2518078
WD-M2101	Discharge 1000 to 1100 M <sup>3</sup> /hour	1 No	2476712
	<b>above 20 m upto 25 m head</b>		
WD-M2102	Discharge Upto 20 M <sup>3</sup> /hour	1 No	782634
WD-M2103	Discharge 20 to 100 M <sup>3</sup> /hour	1 No	778748
WD-M2104	Discharge 100 to 200 M <sup>3</sup> /hour	1 No	1081274
WD-M2105	Discharge 200 to 300 M <sup>3</sup> /hour	1 No	1229590
WD-M2106	Discharge 300 to 400 M <sup>3</sup> /hour	1 No	1539685
WD-M2107	Discharge 400 to 500 M <sup>3</sup> /hour	1 No	1739527

WD-M2108	Discharge 500 to 600 M3/hour	1 No	2518078
WD-M2109	Discharge 600 to 700 M3/hour	1 No	2518078
WD-M2110	Discharge 700 to 800 M3/hour	1 No	2518078
WD-M2111	Discharge 800 to 900 M3/hour	1 No	2724135
WD-M2112	Discharge 900 to 1000 M3/hour	1 No	3053251
WD-M2113	Discharge 1000 to 1100 M3/hour	1 No	3539377
	<b>above 25 m upto 30 m head</b>		
WD-M2114	Discharge Upto 20 M <sup>3</sup> /hour	1 No	779084
WD-M2115	Discharge 20 to 100 M <sup>3</sup> /hour	1 No	1081274
WD-M2116	Discharge 100 to 200 M <sup>3</sup> /hour	1 No	1125728
WD-M2117	Discharge 200 to 300 M <sup>3</sup> /hour	1 No	1670184
WD-M2118	Discharge 300 to 400 M <sup>3</sup> /hour	1 No	1670184
WD-M2119	Discharge 400 to 500 M <sup>3</sup> /hour	1 No	2399308
WD-M2120	Discharge 500 to 600 M3/hour	1 No	2406095
WD-M2121	Discharge 600 to 700 M3/hour	1 No	2406095
WD-M2122	Discharge 700 to 800 M3/hour	1 No	2732699
WD-M2123	Discharge 800 to 900 M3/hour	1 No	2732699
WD-M2124	Discharge 900 to 1000 M3/hour	1 No	2999266
WD-M2125	Discharge 1000 to 1100 M3/hour	1 No	3939353

Note: 1) The above rates are basic rates inclusive of transportation, handling charges.  
2) GST extra applicable as per GO

### 23.0 RATES FOR ELECTROMECHANICAL ITEMS

Sl. No.	Description of Item	Unit	Rate for 2024- 25 in Rupees
<b>1</b>	<b>Selector Switch for Panel Board /Cubical Panel Board/ Starter</b>		
a	Voltmeter Selector Switch - 6A	Each	PWD rate
b	Ammeter Selector Switch - 6A	Each	

<b>2</b>	<b>Multi Functions Meters - Flush type for M V Panel Board</b>		
a	LED type, CT/PT, Voltage, Current, Frequency, Kilowatt, Kilo Volt Ampere, KVAR , KVAH, Run Hours, unbalance(V,A),Rpm, Phase angles,Thd - Class 1 With RS 485 Port	Each	PWD rate
b	LED type, CT/PT, Voltage, Current, Frequency, Kilowatt, Kilo Volt Ampere, KVAR , KVAH, Run Hours, unbalance(V,A), Rpm, Phase angles,Thd - Class 0.5 With RS 485 Port	Each	
<b>3</b>	<b>Ammeter - Digital</b>		
a	96 mm X 96 mm Single Phase Ammeter Class 1-5A	Each	PWD rate
b	96 mm X 96 mm Single Phase Ammeter Class 1-1A	Each	
c	96 mm X 96 mm Three Phase Ammeter Class 1-5A	Each	
d	96 mm X 96 mm Three Phase Ammeter Class 1-1A	Each	
<b>4</b>	<b>Mechanical Interlocking System for For M V Panel Board</b>		
a	2 lock 1 key	Each	PWD rate
b	3 lock 2 key	Each	
<b>5</b>	<b>Ammeter Analog</b>		
a	SR 65 5D/5A C.T.operated-AC	Each	PWD rate
b	SR 72 5D/5A C.T.operated-AC	Each	
c	SR 96 5D/5A C.T.operated-AC	Each	
<b>6</b>	<b>Voltmeter - Digital</b>		
a	Voltmeter- Single Phase Class 1-AC	Each	PWD rate
b	Voltmeter- Three Phase Class 1-AC	Each	
<b>7</b>	<b>Voltmeter Analog</b>		
a	Voltmeter SR 65 600V-AC	Each	PWD rate
b	Voltmeter SR 72 500V-AC	Each	
c	Voltmeter SR 96 600V-AC	Each	

<b>8</b>	<b>Fabrication &amp; Supply of M V Cubical Panel board vermi proof box of MS sheet 20 SWG powder coated, door with 180 degree opening, poly urethane/rubber gaskets as per IE rules - 1m2</b>		
a	Projection of 0.3 m	per m <sup>2</sup>	PWD rate
b	Projection of 0.45m	per m <sup>2</sup>	
c	Projection of 0.6 m	per m <sup>2</sup>	
<b>9</b>	<b>Electro magnetic contactors of suitable capacity in AC Three Phase rating, conforming to IS/IEC 60947-4-1.</b>		
WD-M2126	9Amps	No.	892
WD-M2127	12Amps	No.	1036
WD-M2128	18Amps	No.	1786
WD-M2129	22Amps	No.	2955
WD-M2130	25Amps	No.	3838
WD-M2131	32Amps	No.	4684
WD-M2132	40Amps	No.	4874
WD-M2133	45Amps	No.	6027
WD-M2134	50Amps	No.	7098
WD-M2135	70Amps	No.	9543
WD-M2136	80Amps	No.	12098
WD-M2137	95Amps	No.	15255
WD-M2138	110Amps	No.	18379
WD-M2139	140Amps	No.	24255
WD-M2140	185Amps	No.	29182
WD-M2141	225Amps	No.	32126
WD-M2142	250Amps	No.	36241
WD-M2143	300Amps	No.	43696
WD-M2144	400Amps	No.	55559
WD-M2145	550Amps	No.	79675
WD-M2146	650Amps	No.	119230

<b>10</b>	<b>Overload Relays: Directly operated Bimetallic Thermal overload relay which operates in case of overload and also in case of under voltage with manual and auto reset mode.</b>		
WD-M2147	Upto 5 A	No.	1414
WD-M2148	5 A to 10 A	No.	1424
WD-M2149	10 A to 20 A	No.	1603
WD-M2150	20 A to 30 A	No.	2322
WD-M2151	30 A to 50 A	No.	3195
WD-M2152	50 A to 75 A	No.	4631
WD-M2153	75 A to 110 A	No.	6846
WD-M2154	110 A to 150 A	No.	8160
WD-M2155	150 A to 200 A	No.	9274
WD-M2156	200 A to 300 A	No.	11170
<b>11</b>	<b>Preventer – Single Phasing</b>		
WD-M2157	Electric Motor protection device against single phasing. The device should protect the motor against single phasing, reverse phasing and unbalance supply. The device should be suitable for any auxillary device and have provisions for mounting in panel boards. Operate without need of any auxiliary supply.	No.	1242
<b>12</b>	<b>Preventer – Dry Run</b>		
WD-M2158	Electric Motor protection device against dry running. The device should protect the motor against Dry running. The device should be suitable for any auxillary device and have provisions for mounting in panel boards. Operate without need of any auxiliary supply	No.	1740

Note: 1) The above rates are basic rates  
2) GST extra applicable as per GO

**II. RATES FOR WORKS**  
**(A. CONVEYANCE)**

## CONVEYANCE

### 1) Rates for Conveyance of C.I/G.I/D.I. Pipes and Specials

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/	Transport charges up to 8km or part thereof/	Total/
				Tonne	Tonne	Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0001	Up to 125 mm	371.80	244.28	244.28	189.10	1049.46
WD-W0002	Over 125 mm up to 200 mm	509.37	326.65	326.65	201.97	1364.64
WD-W0003	Over 200 mm up to 350 mm	625.04	432.11	432.11	205.64	1694.90
WD-W0004	Over 350 mm up to 500 mm	781.87	511.75	511.75	231.34	2036.71
WD-W0005	Over 500 mm up to 700 mm	943.94	591.56	591.56	255.11	2382.17
WD-W0006	Above 700mm	1062.26	704.69	704.69	275.39	2747.03
	<b>For every 1 KM or part thereof</b>	<b>Rate per Tonne in Rupees</b>		<b>up to 500 mm</b>	<b>Above 500 mm</b>	
				<b>A</b>	<b>B</b>	
WD-W0007	Beyond 8 KM to 25 KM			14.62	16.47	
WD-W0008	Above 25 KM to 50 KM			10.63	12.49	
WD-W0009	Above 50 KM to 80 KM			9.30	11.09	
WD-W0010	Above 80 KM to 125 KM			6.97	9.23	
WD-W0011	Above 125 KM to 200 KM			6.97	6.97	
WD-W0012	Above 200 KM			4.58	4.58	

- NOTE:
- 1) For lorry and cart consignments of capacity one Tonne and below, double the rates may be allowed, when the total quantity to be transported is within 1.00 M.T.
  - 2) For Lorry consignments from 1 to 2 Tonnes, the rates admissible for two Tonnes may be allowed, when the total quantity to be transported is within 2 M.T.

3) For Lorry Consignments from 2 to 5 Tonnes, the rates admissible for 5 Tonnes may be allowed, when the total quantity to be transported is within 5 M.T.

4) Above 5 Tonnes of Lorry consignment, full lorry load rate of 9 Tonnes may be allowed.

5) For the conveyance of E.R.W.M.S. seamless pipes and specials up to 350mm dia, the rates of C.I. Pipes of respective dia available in the Schedule of rates may be adopted.

6) An extra rate of Rs. 40.54 per Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

## 2) Rates for Conveyance of M.S. Pipes and Specials

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/ Tonne	Transport charges up to 8km or part thereof/ Tonne	Total/ Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0013	Up to 350 mm	1404.37	972.26	972.26	470.06	3818.95
WD-W0014	Over 350 mm up to 500 mm	1764.48	1152.35	1152.35	521.46	4590.64
WD-W0015	Over 500 mm up to 700 mm	2129.70	1322.00	1322.00	576.53	5350.23
WD-W0016	Above 700mm	2392.08	1594.75	1594.75	624.20	6205.78
	For every 1 KM or part thereof	<b>Rate per Tonne in Rupees</b>				
		<b>up to 500 mm</b>		<b>Above 500 mm</b>		
		<b>A</b>		<b>B</b>		
WD-W0017	Beyond 8 KM to 25 KM	33.01		36.66		
WD-W0018	Above 25 KM to 50 KM	23.64		28.42		
WD-W0019	Above 50 KM to 80 KM	20.40		25.58		
WD-W0020	Above 80 KM to 125 KM	16.07		20.46		
WD-W0021	Above 125 KM to 200 KM	16.07		16.07		
WD-W0022	Above 200 KM	11.37		11.36		

**NOTE:** 1) For lorry and cart consignments of capacity one Tonne and below double the rates may be allowed, when the total quantity to be transported is within 1.00 M.T.

2) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two Tonnes may be allowed, when the total quantity to be transported is within 2 M.T.

3) For Lorry Consignments from 2 to 5 Tonnes the rates admissible for 5 Tonnes may be allowed, when the total quantity to be transported is within 5 M.T.

4) Above 5 Tonnes of Lorry consignment, full lorry load rate of 9 Tonnes may be allowed.

5) An extra rate of Rs 40.54 per Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

### 3) Rates for Conveyance of R.C.C. /P.S.C/B.W.S.C. Pipes and Specials

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/	Loading into carts or lorries/	Unloading from carts or lorries & stacking/	Transport charges up to 8km or part thereof/	Total/
		Tonne	Tonne	Tonne	Tonne	Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0023	150 mm to 200 mm	288.05	221.16	221.16	216.59	946.96
WD-W0024	Over 200 mm up to 350 mm	357.40	282.95	282.95	227.62	1150.92
WD-W0025	Over 350 mm up to 500 mm	447.49	349.76	349.76	236.85	1383.86
WD-W0026	Over 500 mm up to 700 mm	558.09	411.54	411.54	268.00	1649.17
WD-W0027	Above 700mm	607.04	457.78	457.78	290.13	1812.73
	For every 1 KM or part thereof	<b>Rate per Tonne in Rupees</b>				
		<b>up to 500 mm</b>		<b>Above 500 mm</b>		
		<b>A</b>	<b>B</b>			
WD-W0028	Beyond 8 KM to 25 KM	12.55		16.81		
WD-W0029	Above 25 KM to 50 KM	8.43		12.75		
WD-W0030	Above 50 KM to 80 KM	7.03		11.56		
WD-W0031	Above 80 KM to 125 KM	7.03		9.23		

WD-W0032	Above 125 KM to 200 KM	7.03	7.03
WD-W0033	Above 200 KM	4.66	4.66

- NOTE:** 1) For lorry and cart consignments of capacity 1 Tonne and below, double the rates may be allowed, when the total quantity to be transported is within 1 M.T.
- 2) For Lorry consignments up to 5 MT (i.e.) above 1 MT Load, the rates admissible for 5 Tonnes may be allowed.

#### 4) Rates for Conveyance of A.C. Pipes and Specials

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/ Tonne	Loading into carts or lorries/ Tonne	Unloading from carts or lorries & stacking/	Transport charges up to 8km or part thereof/	Total/
				Tonne	Tonne	Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0034	Up to 125 mm	190.30	169.66	169.66	330.43	860.05
WD-W0035	Over 125 mm up to 200 mm	259.68	180.02	180.02	346.97	966.69
WD-W0036	Over 200 mm up to 250 mm	295.79	221.16	221.16	394.74	1132.85
WD-W0037	For 300 mm	318.90	231.44	231.44	405.75	1187.53
WD-W0038	For 350 mm	318.90	257.19	257.19	411.28	1244.56
WD-W0039	For 400 mm	331.74	285.49	285.49	438.83	1341.55
WD-W0040	For 450 mm	367.71	318.90	318.90	464.54	1470.05
WD-W0041	For 500 mm	390.97	352.31	352.31	479.15	1574.74
WD-W0042	For 600 mm	429.48	403.80	403.80	514.09	1751.17
WD-W0043	For 700 mm	447.49	414.11	414.11	515.95	1791.66

	For every 1 KM or part thereof	Rate per Tonne in Rupees	
		up to 500 mm	Above 500 mm
		A	B
WD-W0044	Beyond 8 KM to 25 KM	25.23	29.50
WD-W0045	Above 25 KM to 50 KM	14.88	17.07
WD-W0046	Above 50 KM to 80 KM	13.89	16.21
WD-W0047	Above 80 KM to 125 KM	11.50	13.89
WD-W0048	Above 125 KM to 200 KM	9.23	11.50
WD-W0049	Above 200 KM	7.03	9.23

- NOTE: 1) For lorry and cart consignments of capacity one Tonne and below double the rates may be allowed, when the total quantity to be transported is within 1 M.T.
- 2) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two Tonnes may be allowed, when the total quantity to be transported is within 2 M.T.
- 3) For Lorry Consignments from 2 to 5 Tonnes the rates admissible for 5 Tonnes may be allowed, when the total quantity to be transported is within 5 M.T.
- 4) Above 5 Tonnes of Lorry consignment, full lorry load rate of 9 Tonnes may be allowed.
- 5) For the conveyance of E.R.W.M.S. seamless pipes and specials up to 350mm dia, the rates of C.I. Pipes of respective dia available in the Schedule of Rates may be adopted.
- 6) An extra rate of Rs. 40.48/- Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries

#### 5) Rates for Conveyance of PVC/ HDPE/ GRP Pipes and Specials

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/	Loading into carts or lorries/	Unloading from carts or lorries & stacking/	Transport charges up to 8km or part thereof/	Total/
		Tonne	Tonne	Tonne	Tonne	Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0050	50mm to 110mm OD	246.84	216.06	216.06	550.89	1229.85
WD-W0051	125mm to 200mm OD	318.90	218.53	218.53	554.47	1310.43

WD-W0052	Over 200mm to 315mm OD	324.08	288.05	288.05	596.71	1496.89
WD-W0053	Over 315mm OD	329.19	295.70	295.70	648.13	1568.72
	<b>For every 1 KM or part thereof</b>			<b>Rate per Tonne in Rupees</b>		
WD-W0054	Beyond 8 KM to 25 KM			47.56		
WD-W0055	Above 25 KM to 50 KM			31.74		
WD-W0056	Above 50 KM to 80 KM			27.83		
WD-W0057	Above 80 KM to 125 KM			20.79		
WD-W0058	Above 125 KM to 200 KM			16.13		
WD-W0059	Above 200 KM			11.50		

- NOTE:
- 1) For departmentally loading of PVC pipes and Rs. 3.85 each length (6 m) Specials (excluding transport charges) Up to 110 mm dia
  - 2) For departmentally unloading of PVC pipes and Rs. 3.85 each length (6 m) Specials Up to 110 mm dia
  - 3) a. For departmentally loading for Rs. 215.82 per 1 MT remaining sizes of pipes  
b. For departmentally unloading for Rs. 215.82 per 1 MT remaining sizes of pipes
  - 4) An extra rate of Rs. 38.39 / Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.
  - 5) For lorry and cart consignments of capacity one Tonne and below double the rates may be allowed, when the total quantity to be transported is within 1 M.T.
  - 6) For Lorry consignments from 1 to 2 Tonnes the rates admissible for two Tonnes may be allowed, when the total quantity to be transported is within 2 M.T.
  - 7) For Lorry Consignments from 2 to 5 Tonnes the rates admissible for 5 Tonnes may be allowed, when the total quantity to be transported is within 5 M.T.

### 6) Rates for Conveyance of SW Pipes and Specials

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/	Loading into carts or lorries/	Unloading from carts or lorries & stacking/	Transport charges up to 8km or part thereof/	Total/
		Tonne	Tonne	Tonne	Tonne	Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0060	100 to 200 mm	357.42	233.99	233.99	301.08	1126.48
WD-W0061	Over 200 to 350 mm	357.42	300.88	300.88	324.93	1284.11
WD-W0062	Over 350 mm to 500 mm	357.42	362.59	362.59	352.49	1435.09
	<b>For every 1 KM or part thereof</b>			<b>Rate per Tonne in Rupees</b>		
WD-W0063	Beyond 8 KM to 25 KM			20.99		
WD-W0064	Above 25 KM to 50 KM			12.75		
WD-W0065	Above 50 KM to 80 KM			13.95		
WD-W0066	Above 80 KM to 125 KM			9.23		
WD-W0067	Above 125 KM to 200 KM			7.03		
WD-W0068	Above 200 KM			4.66		

**NOTE:**

1) For lorry and cart consignments of capacity one Tonne and below double the rates may be allowed, when the total quantity to be transported is within 1 M.T.

2) An extra rate of Rs. 39.37/ Tonne may be allowed for unloading from Railway wagons and stacking before loading into carts and lorries.

**7) Rates for Conveyance of Pig lead and Yarn**

Unique Code	Size	Unloading from Railway wagons or loading into Railway wagons/	Loading into carts or lorries/	Unloading from carts or lorries & stacking/	Transport charges up to 8km or part thereof/	Total/
		Tonne	Tonne	Tonne	Tonne	Tonne
		A	B	C	D	E
		Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.	Rs. Ps.
WD-W0069	Pig lead / Yarn	123.33	105.40	105.40	110.12	444.25

	For every 1 KM or part thereof	Rate per Tonne in Rupees
WD-W0070	Beyond 8 KM to 25 KM	12.56
WD-W0071	Above 25 KM to 50 KM	10.63
WD-W0072	Above 50 KM to 80 KM	9.30
WD-W0073	Above 80 KM to 125 KM	7.03
WD-W0074	Above 125 KM to 200 KM	7.03
WD-W0075	Above 200 KM	4.66

Note:- The above rates are basic rates only and GST extra applicable as per GO.

**II. RATES FOR WORKS**  
**(A. INFILTRATION WORKS)**

### INFILTRATION WORKS

Unique Code	Description	Unit	2024-25 Rate in Rupees
1	Earthwork excavation above water level in light or sandy or clayey soils for manhole wells, infiltration wells, suction wells etc. including levelling the site with an initial lead of 10 metres.		
WD-W0076	First depth of 2 metres	One Cubic metre	100.78
WD-W0077	Second depth of 2 metres	One Cubic metre	159.47
WD-W0078	Third depth of 2 metres	One Cubic metre	230.90
WD-W0079	Fourth depth of 2 metres	One Cubic metre	321.48
2	Erection of Ring well below water level including all incidental charges using special tools and plants such as air compressor helmet etc. complete and including bailing out water.		
a.	For 0.90 metre dia Ring well (internal)		
WD-W0080	First depth of 2 metres	One metre	816.45
WD-W0081	Second depth of 2 metres	One metre	1504.05
WD-W0082	Third depth of 2 metres	One metre	3161.19
WD-W0083	Fourth depth of 2 metres	One metre	6312.17
WD-W0084	Fifth depth of 2 metres	One metre	12429.18
WD-W0085	Sixth depth of 2 metres	One metre	24877.48
b.	For 1.2 metre dia Ring well (internal)		
WD-W0086	First depth of 2 metres	One metre	907.03
WD-W0087	Second depth of 2 metres	One metre	1812.78
WD-W0088	Third depth of 2 metres	One metre	3614.07
WD-W0089	Fourth depth of 2 metres	One metre	6771.44
WD-W0090	Fifth depth of 2 metres	One metre	12566.95
WD-W0091	Sixth depth of 2 metres	One metre	25105.86

c.	For 1.50 metre dia Ring well (internal)		
WD-W0092	First depth of 2 metres	One metre	1048.63
WD-W0093	Second depth of 2 metres	One metre	2080.67
WD-W0094	Third depth of 2 metres	One metre	4119.25
WD-W0095	Fourth depth of 2 metres	One metre	8204.04
WD-W0096	Fifth depth of 2 metres	One metre	16383.85
WD-W0097	Sixth depth of 2 metres	One metre	32628.65

Unique Code	Description	Unit	2024-25 Rate in Rupees	
			Ordinary soil (or) loose soil sandy soil	Silt (or) clay pocket
3	Sinking well below water level including all incidental charges using special tools and plants such as air compressor, helmet etc., complete and including baling out water.			
a.	For 1.0 metre dia (internal)			
WD-W0098	First depth of 2 metres	One metre	1193.50	1721.50
WD-W0099	Second depth of 2 metres	One metre	2006.40	3151.50
WD-W0100	Third depth of 2 metres	One metre	4010.60	6297.50
WD-W0101	Fourth depth of 2 metres	One metre	7916.70	12574.10
WD-W0102	Fifth depth of 2 metres	One metre	15070.00	23610.40
WD-W0103	Sixth depth of 2 metres	One metre	28295.30	44190.30
WD-W0104	Seventh depth of 2 metres	One metre	41516.20	60071.00
WD-W0105	Eighth depth of 2 metres	One metre	54742.60	75947.30
WD-W0106	Nineth depth of 2 metres	One metre	67959.10	91820.30
WD-W0107	Tenth depth of 2 metres	One metre	81184.40	107699.90
b.	For 1.25 metre dia (internal)			
WD-W0108	First depth of 2 metres	One metre	1555.40	2358.40
WD-W0109	Second depth of 2 metres	One metre	3117.40	4724.50

WD-W0110	Third depth of 2 metres	One metre	6221.60	9555.70
WD-W0111	Fourth depth of 2 metres	One metre	11152.90	17175.40
WD-W0112	Fifth depth of 2 metres	One metre	19716.40	30473.30
WD-W0113	Sixth depth of 2 metres	One metre	35602.60	55165.00
WD-W0114	Seventh depth of 2 metres	One metre	51475.60	79869.90
WD-W0115	Eighth depth of 2 metres	One metre	67357.40	104564.90
WD-W0116	Nineth depth of 2 metres	One metre	83248.00	129266.50
WD-W0117	Tenth depth of 2 metres	One metre	99123.20	153967.00
c.	For 2.0 metre dia (internal)			
WD-W0118	First depth of 2 metres	One metre	2420.00	3889.60
WD-W0119	Second depth of 2 metres	One metre	4824.60	7781.40
WD-W0120	Third depth of 2 metres	One metre	9629.40	15536.40
WD-W0121	Fourth depth of 2 metres	One metre	15393.40	28475.70
WD-W0122	Fifth depth of 2 metres	One metre	30089.40	51783.60
WD-W0123	Sixth depth of 2 metres	One metre	60163.40	96736.20
WD-W0124	Seventh depth of 2 metres	One metre	90231.90	141732.80
WD-W0125	Eighth depth of 2 metres	One metre	120303.70	186709.60
WD-W0126	Nineth depth of 2 metres	One metre	150379.90	231683.10
WD-W0127	Tenth depth of 2 metres	One metre	180449.50	276655.50
d.	For 2.5 metre dia (internal)			
WD-W0128	First depth of 2 metres	One metre	3050.30	5076.50
WD-W0129	Second depth of 2 metres	One metre	6344.80	9980.30
WD-W0130	Third depth of 2 metres	One metre	12685.20	19882.50
WD-W0131	Fourth depth of 2 metres	One metre	23624.70	36947.90
WD-W0132	Fifth depth of 2 metres	One metre	43984.60	68328.70
WD-W0133	Sixth depth of 2 metres	One metre	84944.20	127955.30
WD-W0134	Seventh depth of 2 metres	One metre	125896.10	187576.40

WD-W0135	Eighth depth of 2 metres	One metre	166851.30	247197.50
WD-W0136	Nineth depth of 2 metres	One metre	207802.10	306817.50
WD-W0137	Tenth depth of 2 metres	One metre	248763.90	366437.50
e.	For 3.00 metre dia (internal)			
WD-W0138	First depth of 2 metres	One metre	3942.40	6868.40
WD-W0139	Second depth of 2 metres	One metre	7816.60	13355.10
WD-W0140	Third depth of 2 metres	One metre	15613.40	26721.20
WD-W0141	Fourth depth of 2 metres	One metre	30135.60	50184.20
WD-W0142	Fifth depth of 2 metres	One metre	56322.20	93712.30
WD-W0143	Sixth depth of 2 metres	One metre	106752.80	163392.90
WD-W0144	Seventh depth of 2 metres	One metre	157182.30	232981.10
WD-W0145	Eighth depth of 2 metres	One metre	207610.70	302621.00
WD-W0146	Nineth depth of 2 metres	One metre	258036.90	372266.40
WD-W0147	Tenth depth of 2 metres	One metre	308469.70	441912.90
f.	For 3.50 metre dia (internal)			
WD-W0148	First depth of 2 metres	One metre	5014.90	8048.70
WD-W0149	Second depth of 2 metres	One metre	9755.90	15792.70
WD-W0150	Third depth of 2 metres	One metre	19465.60	31515.00
WD-W0151	Fourth depth of 2 metres	One metre	36449.60	59072.20
WD-W0152	Fifth depth of 2 metres	One metre	68096.60	112315.50
WD-W0153	Sixth depth of 2 metres	One metre	129024.50	208489.60
WD-W0154	Seventh depth of 2 metres	One metre	189946.90	304668.10
WD-W0155	Eighth depth of 2 metres	One metre	250878.10	400837.80
WD-W0156	Nineth depth of 2 metres	One metre	311802.70	497013.00
WD-W0157	Tenth depth of 2 metres	One metre	372732.80	593191.50
g.	For 4.00 metre dia (internal)			
WD-W0158	First depth of 2 metres	One metre	5735.40	9654.70
WD-W0159	Second depth of 2 metres	One metre	11041.80	18482.20

WD-W0160	Third depth of 2 metres	One metre	22004.40	36932.50
WD-W0161	Fourth depth of 2 metres	One metre	41328.10	69197.70
WD-W0162	Fifth depth of 2 metres	One metre	77293.70	129046.50
WD-W0163	Sixth depth of 2 metres	One metre	146544.20	244261.60
WD-W0164	Seventh depth of 2 metres	One metre	215795.80	359471.20
WD-W0165	Eighth depth of 2 metres	One metre	285043.00	474694.00
WD-W0166	Nineth depth of 2 metres	One metre	354339.70	589116.00
WD-W0167	Tenth depth of 2 metres	One metre	423549.50	696219.70
h.	For 4.50 metre dia (internal)			
WD-W0168	First depth of 2 metres	One metre	6847.50	11546.70
WD-W0169	Second depth of 2 metres	One metre	13427.70	22965.80
WD-W0170	Third depth of 2 metres	One metre	26953.30	45835.90
WD-W0171	Fourth depth of 2 metres	One metre	46877.60	85957.30
WD-W0172	Fifth depth of 2 metres	One metre	81253.70	160735.30
WD-W0173	Sixth depth of 2 metres	One metre	151123.50	267829.10
WD-W0174	Seventh depth of 2 metres	One metre	221228.70	374922.90
WD-W0175	Eighth depth of 2 metres	One metre	291226.10	482020.00
WD-W0176	Nineth depth of 2 metres	One metre	361207.00	589911.30
WD-W0177	Tenth depth of 2 metres	One metre	431196.70	705128.60
i.	For 5.00 metre dia (internal)			
WD-W0178	First depth of 2 metres	One metre	8492.00	14323.10
WD-W0179	Second depth of 2 metres	One metre	16571.50	26581.50
WD-W0180	Third depth of 2 metres	One metre	32964.80	53076.10
WD-W0181	Fourth depth of 2 metres	One metre	61857.40	103940.10
WD-W0182	Fifth depth of 2 metres	One metre	111695.10	194232.50
WD-W0183	Sixth depth of 2 metres	One metre	218414.90	368025.90
WD-W0184	Seventh depth of 2 metres	One metre	325134.70	541821.50

WD-W0185	Eighth depth of 2 metres	One metre	431850.10	715618.20
WD-W0186	Nineth depth of 2 metres	One metre	538576.50	889417.10
WD-W0187	Tenth depth of 2 metres	One metre	645300.70	1063213.80
j.	For 6.00 metre dia (internal)			
WD-W0188	First depth of 2 metres	One metre	12206.70	19961.70
WD-W0189	Second depth of 2 metres	One metre	23662.10	38603.40
WD-W0190	Third depth of 2 metres	One metre	44950.40	77167.20
WD-W0191	Fourth depth of 2 metres	One metre	88583.00	144590.60
WD-W0192	Fifth depth of 2 metres	One metre	165572.00	269703.50
WD-W0193	Sixth depth of 2 metres	One metre	313853.10	510298.80
WD-W0194	Seventh depth of 2 metres	One metre	462158.40	750891.90
WD-W0195	Eighth depth of 2 metres	One metre	610443.90	991486.10
WD-W0196	Nineth depth of 2 metres	One metre	758736.00	1232073.70
WD-W0197	Tenth depth of 2 metres	One metre	907022.60	1472667.90
NOTE:	In case the water table is met with at depth of 2.00 m and below, from the bed level, an extra percentage as under may be allowed over the existing rates for items 3(a) to 3 (j) for the extra lift involved.			
	Where water table is 2.00m, below bed level and upto 4.00 m		15% extra	
	Where water table is beyond 4.00m and upto 6.00m		20% extra	

Unique Code	Description	Unit	2024-25 Rate in Rupees
4a.	Earthwork excavation above water level in light or sandy soil for infiltration gallery, syphon or connecting pipeline and connected works including refilling complete.		
WD-W0198	First depth of 2 m	One cubic metre	116.09
WD-W0199	Second depth of 2 m	One cubic metre	165.84
WD-W0200	Third depth of 2 m	One cubic metre	242.39
WD-W0201	Fourth depth of 2 m	One cubic metre	325.30

b.	Earthwork excavation below water level in light or sandy soil for infiltration gallery, syphon or connecting pipe line and connected works including shoring and strutting and charges for special tools and plants for bailing/ pumping etc., such as air compressor and helmet.		
WD-W0202	First depth of 2 m	One cubic metre	2173.80
WD-W0203	Second depth of 2 m	One cubic metre	3071.89
WD-W0204	Third depth of 2 m	One cubic metre	4609.11
WD-W0205	Fourth depth of 2 m	One cubic metre	6688.51
c	Earthwork excavation below water level in clayey soil for infiltration gallery for laying syphon pipe line or connecting pipe and connected works, shoring and strutting and charges for special tools and plants for bailing/pumping etc., such as air compressor and helmet.		
WD-W0206	First depth of 2 m	One cubic metre	3614.07
WD-W0207	Second depth of 2 m	One cubic metre	5023.72
WD-W0208	Third depth of 2 m	One cubic metre	7846.85
WD-W0209	Fourth depth of 2 m	One cubic metre	11742.84
d	Earthwork excavation below water level in soft disintegrated rock for infiltration gallery, laying syphone pipe line/ connecting pipes etc., including shoring, strutting and charges for special tools and plants.		
WD-W0210	First depth of 2 m	One cubic metre	2525.90
WD-W0211	Second depth of 2 m	One cubic metre	3367.86
WD-W0212	Third depth of 2 m	One cubic metre	5245.69
WD-W0213	Fourth depth of 2 m	One cubic metre	9068.97

NOTE (i)	For sinking wells in soil mixed with pebbles boulder of size 80 mm to 600 mm mixed with clay and silt below water level, including bailing/ pumping water and charges for special tools and plants etc., complete, an extra 20% (Twenty percentage) over the rates for items 2,3b,3c & 3d in the schedule of rates is allowed.		
(ii)	In case the water table is met with at a depth of 2.00m and below from the bed level, an extra percentage as under may be allowed over the existing rates for items 4(b), 4(c) and 4(d) above the extra lift involved		
	Where water table is 2.00m below bed level and upto 4.00m.		10% extra
	Where water table is beyond 4.00m and upto 6.00m		15% extra
<b>Pipe laying works</b>			
5a	Laying stoneware pipes and open joint with fillet in the infiltration gallery excluding cost of pipes but including charges of special tools and plant etc., such as air compressor and helmet.		
WD-W0214	200 mm dia stoneware pipes	One metre	347.00
WD-W0215	225 mm dia stoneware pipes	One metre	426.09
WD-W0216	300 mm dia stoneware pipes	One metre	498.80
WD-W0217	350 mm dia stoneware pipes	One metre	577.90
WD-W0218	375 mm dia stoneware pipes	One metre	716.95
WD-W0219	450 mm dia stoneware pipes	One metre	738.63
b	Laying and jointing PVC slotted pipes in the infiltration gallery excluding cost of pipes but including charges for special tools and plants etc., complete such as air compressor and helmet.		
WD-W0220	200 mm dia (OD) PVC pipes	One metre	256.42
WD-W0221	315 mm dia (OD) PVC pipes	One metre	394.20
WD-W0222	Refilling gallery trench and filter basins with clean excavated sand free from silt and clay	One cubic metre	26.79

6	Labour charges for laying filter media below water level in all depths as per specification for infiltration gallery works including screening cleaning and charges for special tools and plant etc., complete such as air compressor, helmets, sheet piles		
WD-W0223	Granite metal 6mm to 40mm	One cubic metre	358.47
WD-W0224	Coarse sand passing through a sieve of four meshes to 2.5 centimetres and retained in a sieve of ten meshes to 2.5 centimetres and filling it under water	One cubic metre	1780.88
WD-W0225	Coarse sand passing through a sieve of ten meshes to 2.5 centimetres and retained in a sieve of 200 meshes to 2.5 centimetres and filling it under water	One cubic metre	676.13
WD-W0226	Cost of coarse sand D-10 and D-20 for laying gallery media for a lead not exceeding 200m from the source to the place of stacking including stacking etc., complete.	One cubic metre	459.25
WD-W0227	Cost of hard granite metal of size (B.S.S.) 6 mm to 12 mm filter media (machine crushed)	One cubic metre	2420.01
(I) NOTE: For 6 (WD-W0223),(WD-W0224) and (WD-W0225):			
The above rates are labour charges for laying the filter media including screening, cleaning etc., for a lead not exceeding 200 metres from the place of stacking to the point of laying the media. The cost of materials and the lead from the source to the place of stacking are to be paid for separately.			
(ii) NOTE: FOR 6 (WD-W0226):			
The above rates are applicable to cases where the screened materials is not less than 10% of the collected material. In specific cases where the screened material is less than 10% of the collected material, prior orders of the Superintending Engineer, TWAD Board are to be obtained in specific cases for increased rate of labour required.			
(iii) NOTE: FOR 6 (WD-W0227)			
The above rates are applicable to cases where the screened materials is not less than 20% of the collected materials. In case where the screened materials is less than 20% of the collected material, prior orders of the Superintending Engineer, TWAD are to be obtained in specific cases for increased rate of labour required.			

<b>Schedule Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate for 2024-25 in Rupees</b>
7a	Lowering of C.I Pipes and specials in the trenches and laying to proper grade and alignment and as directed by the TWAD Officers.		
	For depth upto 2m		
WD-W0228	80 mm dia C.I/ D.I Pipes and Specials	One metre	16.35
WD-W0229	100 mm dia C.I/ D.I Pipes and Specials	One metre	18.22
WD-W0230	125 mm dia C.I/ D.I Pipes and Specials	One metre	24.13
WD-W0231	150 mm dia C.I/ D.I Pipes and Specials	One metre	33.29
WD-W0232	200 mm dia C.I/ D.I Pipes and Specials	One metre	40.21
WD-W0233	250 mm dia C.I/ D.I Pipes and Specials	One metre	46.05
WD-W0234	300 mm dia C.I/ D.I Pipes and Specials	One metre	49.60
WD-W0235	350 mm dia C.I/ D.I pipes and specials	One metre	62.91
WD-W0236	400 mm dia C.I/ D.I pipes and specials	One metre	74.27
WD-W0237	450 mm dia C.I/ D.I pipes and specials	One metre	85.83
WD-W0238	500 mm dia C.I/ D.I pipes and specials	One metre	94.51
WD-W0239	600 mm dia C.I/ D.I pipes and specials	One metre	115.87
WD-W0240	700 mm dia C.I/ D.I pipes and specials	One metre	148.98
WD-W0241	750 mm dia C.I/ D.I pipes and specials	One metre	168.74
WD-W0242	800 mm dia C.I/ D.I pipes and specials	One metre	192.23
WD-W0243	900 mm dia C.I/ D.I pipes and specials	One metre	228.06
7a(i)	Lowering of D.I Pipes and specials in the trenches and laying to proper grade and alignment and as directed by the TWAD Officers.		
	For depth upto 2m		
WD-W0244	80 mm dia C.I/ D.I Pipes and Specials	One metre	17.37
WD-W0245	100 mm dia C.I/ D.I Pipes and Specials	One metre	19.36
WD-W0246	125 mm dia C.I/ D.I Pipes and Specials	One metre	24.53
WD-W0247	150 mm dia C.I/ D.I Pipes and Specials	One metre	33.29

WD-W0248	200 mm dia C.I/ D.I Pipes and Specials	One metre	40.92
WD-W0249	250 mm dia C.I/ D.I Pipes and Specials	One metre	47.71
WD-W0250	300 mm dia C.I/ D.I Pipes and Specials	One metre	52.74
WD-W0251	350 mm dia C.I/ D.I pipes and specials	One metre	65.59
WD-W0252	400 mm dia C.I/ D.I pipes and specials	One metre	74.27
WD-W0253	450 mm dia C.I/ D.I pipes and specials	One metre	89.64
WD-W0254	500 mm dia C.I/ D.I pipes and specials	One metre	94.80
WD-W0255	600 mm dia C.I/ D.I pipes and specials	One metre	116.02
WD-W0256	700 mm dia C.I/ D.I pipes and specials	One metre	143.62
WD-W0257	750 mm dia C.I/ D.I pipes and specials	One metre	161.05
WD-W0258	800 mm dia C.I/ D.I pipes and specials	One metre	193.88
WD-W0259	900 mm dia C.I/ D.I pipes and specials	One metre	229.89
	NOTE: i) For depth between 2m to 4m 10% over basic rates and for 4m to 6m 20% over basic rate allowed		
	ii) For work of laying CI connecting pipe/ syphon basic pipe below water, double the above rates shall be allowed.		
	iii) For laying pipes in sewer line except pumping main 10% more is allowed.		
b	Lowering GI pipes and specials in the trenches and laying to proper grade and alignment, jointing with GI Specials and as directed by the TWAD Officers		
WD-W0260	15mm to 40mm dia	One metre	22.15
WD-W0261	50mm to 65mm dia	One metre	22.15
WD-W0262	80mm to 100mm dia	One metre	29.80
WD-W0263	125mm to 150mm dia	One metre	29.80
c	Disjointing C.I. Tyton S/S pipes and specials, and lifting C.I. Pipes from the trenches and stacking at places shown by the departmental Officers.		
	For depth upto 2 m		
WD-W0264	80 mm dia C.I. Pipes and specials	One metre	18.87

WD-W0265	100mm dia C.I. Pipes and specials	One metre	21.38
WD-W0266	125 mm dia C.I. Pipes and specials	One metre	25.16
WD-W0267	150 mm dia C.I. Pipes and specials	One metre	33.96
WD-W0268	200 mm dia C.I. Pipes and specials	One metre	37.73
WD-W0269	250 mm dia C.I. Pipes and specials	One metre	59.12
WD-W0270	300 mm dia C.I. Pipes and specials	One metre	62.89
WD-W0271	350 mm dia C.I. Pipes and specials	One metre	81.76
WD-W0272	400 mm dia C.I. Pipes and specials	One metre	86.79
WD-W0273	450 mm dia C.I. Pipes and specials	One metre	103.14
WD-W0274	500 mm dia C.I.pipes and specials	One metre	111.94
WD-W0275	600 mm dia C.I.pipes and specials	One metre	137.10
WD-W0276	700 mm dia C.I.pipes and specials	One metre	158.48
WD-W0277	800 mm dia C.I.pipes and specials	One metre	174.83
WD-W0278	825 mm dia C.I.pipes and specials	One metre	199.99
WD-W0279	900 mm dia C.I.pipes and specials	One metre	221.37
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
d.	Lowering of M.S pipes and specials into the trenches and laying to proper grade and alignment and as directed by the TWAD Officers.		
WD-W0280	Up to 350mm dia	One metre	52.41
WD-W0281	400 mm Dia	One metre	62.51
WD-W0282	450 mm Dia	One metre	68.89
WD-W0283	500 mm Dia	One metre	71.75
WD-W0284	600 mm Dia	One metre	88.65
WD-W0285	700 mm Dia	One metre	118.59
WD-W0286	900 mm Dia	One metre	169.78

WD-W0287	1000 mm Dia	One metre	219.26
WD-W0288	1050 mm Dia	One metre	229.00
WD-W0289	1100 mm Dia	One metre	236.58
WD-W0290	1200 mm Dia	One metre	243.07
WD-W0291	1400 mm Dia	One metre	372.05
WD-W0292	1600 mm Dia	One metre	503.52
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	20%	
8a	Jointing the C.I/ D.I - S/S pipes and specials with molten lead and Yarn including caulking the joints. (Including cost of jointing materials)		
	For depth upto 2m		
WD-W0293	80 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	666.36
WD-W0294	100 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	846.16
WD-W0295	125 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	1068.66
WD-W0296	150 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	1244.52
WD-W0297	200 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	1715.75
WD-W0298	250 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	2302.10
WD-W0299	300 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	2661.82
WD-W0300	350 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	3314.47
WD-W0301	400 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	3850.46
WD-W0302	450 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	4693.22
WD-W0303	500 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	5067.50
WD-W0304	600 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	6466.28
WD-W0305	700 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	7007.13
WD-W0306	750 mm dia C.I/ D.I - S/S pipes and specials	Each Joint	8798.81

	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
8b	Jointing C.I/ D.I-S/S pipes and specials with rubber gaskets (tyton joint) including cost of lubricants. (including cost of jointing materials)		
	For depth upto 2m		
WD-W0307	80 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	63.34
WD-W0308	100 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	78.72
WD-W0309	125 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	78.72
WD-W0310	150 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	78.72
WD-W0311	200 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	85.78
WD-W0312	250 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	127.09
WD-W0313	300 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	143.15
WD-W0314	350 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	158.15
WD-W0315	400 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	181.15
WD-W0316	450 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	274.31
WD-W0317	500 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	297.41
WD-W0318	600 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	399.55
WD-W0319	700 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	470.59
WD-W0320	750 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	618.38
WD-W0321	800 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	768.42
WD-W0322	900 mm dia C.I/ D.I-S/S pipes and specials	Each Joint	1179.39
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	20%	

8c	Joining the C.I/ D.I Double flanged pipes and specials with rubber insertion to with IS-638(1979) and M.S. bolts and nuts of IS 1364-1 (2002), including cost of jointing materials such as bolt and nuts Rubber insertion and labour charges etc., complete.		
	For depth upto 2m		
	For works above water level		
WD-W0323	80 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	186.40
WD-W0324	100 mm dia C.I./D.I. Double flanged pipes and specials	Each Joint	315.93
WD-W0325	125 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	328.87
WD-W0326	150 mm dia C.I./D.I. Double flanged pipes and specials	Each Joint	524.35
WD-W0327	200 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	593.88
WD-W0328	250 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	834.96
WD-W0329	300 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	947.03
WD-W0330	350 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	1218.59
WD-W0331	400 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	1837.43
WD-W0332	450 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	2087.28
WD-W0333	500 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	2597.82
WD-W0334	600 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	3675.30
WD-W0335	700 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	3697.62
WD-W0336	750 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	3803.82
WD-W0337	800 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	3814.19
WD-W0338	900 mm dia C.I/ D.I Double flanged pipes and specials	Each Joint	4500.66

	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
8d	Jointing C.I/ D.I double flanged pipes and specials with rubber insertion or any equivalent to the required specifications with M.S. bolts and nuts etc., complete including charges for special tools and plants such as air compressor and helmets and sheet piles. etc (including cost of jointing materials)		
	For depth upto 2m		
WD-W0339	80mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	398.27
WD-W0340	100mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	593.19
WD-W0341	125mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	661.30
WD-W0342	150mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	944.65
WD-W0343	200mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1089.19
WD-W0344	250mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1487.78
WD-W0345	300mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1641.40
WD-W0346	350mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	2033.94
WD-W0347	400mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	2795.56
WD-W0348	450mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	3111.56
WD-W0349	500mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	3654.81
WD-W0350	600mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	5145.72
WD-W0351	700mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	5917.58
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	

8e	Jointing the C.I/ D.I-S/S pipes and specials with neat cement or cement mortar and spun yarn including caulking the joints, curing. (including cost of jointing materials)		
	For depth upto 2m		
WD-W0352	80mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	174.15
WD-W0353	100mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	180.87
WD-W0354	125mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	235.41
WD-W0355	150mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	270.94
WD-W0356	200mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	425.76
WD-W0357	250mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	505.03
WD-W0358	300mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	587.08
WD-W0359	350mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	716.07
WD-W0360	400mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	816.18
WD-W0361	450mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1008.88
WD-W0362	500mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1135.16
WD-W0363	600mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1405.61
WD-W0364	700mm dia C.I/ D.I-S/S Pipes and Specials	Each Joint	1534.28
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
9	Lowering RCC pipes and specials into the trenches and laying to proper grade and alignment		
	For depth upto 2m		
WD-W0365	150mm dia R.C.C. Pipes and Specials	One metre	54.67
WD-W0366	200mm dia R.C.C. Pipes and Specials	One metre	58.39
WD-W0367	250mm dia R.C.C. Pipes and Specials	One metre	73.30
WD-W0368	300mm dia R.C.C. Pipes and Specials	One metre	85.73

WD-W0369	350mm dia R.C.C. Pipes and Specials	One metre	108.09
WD-W0370	400mm dia R.C.C. Pipes and Specials	One metre	116.79
WD-W0371	450mm dia R.C.C. Pipes and Specials	One metre	135.42
WD-W0372	500mm dia R.C.C. Pipes and Specials	One metre	156.55
WD-W0373	600mm dia R.C.C. Pipes and Specials	One metre	181.39
WD-W0374	700mm dia R.C.C. Pipes and Specials	One metre	203.76
WD-W0375	750mm dia R.C.C. Pipes and Specials	One metre	212.46
WD-W0376	800mm dia R.C.C. Pipes and Specials	One metre	258.43
WD-W0377	900mm dia R.C.C. Pipes and Specials	One metre	304.39
WD-W0378	1000mm dia R.C.C. Pipes and Specials	One metre	351.61
WD-W0379	1100mm dia R.C.C. Pipes and Specials	One metre	410.00
WD-W0380	1200mm dia R.C.C. Pipes and Specials	One metre	455.97
WD-W0381	1300mm dia R.C.C. Pipes and Specials	One metre	501.94
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
i)	Each Collar joint is to be treated as one joint only		
ii)	For laying RCC pipes in sewage lines, except pumping main, 5% more is allowed		
10a	Jointing RCC pipes with cement using necessary collars including the cost of jointing materials.		
	For depth upto 2m		
WD-W0382	150mm dia R.C.C. Pipes and Specials	Each Joint	303.13
WD-W0383	200mm dia R.C.C. Pipes and Specials	Each Joint	371.05
WD-W0384	250mm dia R.C.C. Pipes and Specials	Each Joint	455.32
WD-W0385	300mm dia R.C.C. Pipes and Specials	Each Joint	511.92
WD-W0386	350mm dia R.C.C. Pipes and Specials	Each Joint	549.66
WD-W0387	400mm dia R.C.C. Pipes and Specials	Each Joint	592.42

WD-W0388	450mm dia R.C.C. Pipes and Specials	Each Joint	695.56
WD-W0389	500mm dia R.C.C. Pipes and Specials	Each Joint	768.51
WD-W0390	600mm dia R.C.C. Pipes and Specials	Each Joint	914.42
WD-W0391	700mm dia R.C.C. Pipes and Specials	Each Joint	1064.09
WD-W0392	750mm dia R.C.C. Pipes and Specials	Each Joint	1124.47
WD-W0393	800mm dia R.C.C. Pipes and Specials	Each Joint	1167.23
WD-W0394	900mm dia R.C.C. Pipes and Specials	Each Joint	1326.97
WD-W0395	1000mm dia R.C.C. Pipes and Specials	Each Joint	1358.42
WD-W0396	1100mm dia R.C.C. Pipes and Specials	Each Joint	1486.71
WD-W0397	1200mm dia R.C.C. Pipes and Specials	Each Joint	1648.97
WD-W0398	1300mm dia R.C.C. Pipes and Specials	Each Joint	1823.80
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
	Each collar joint is to be treated as one joint only.		
10b	Jointing RCC pipes with lead and hemp yarn using steel collars including the cost of jointing materials and caulking the joints.		
	For depth upto 2m		
WD-W0399	150mm dia R.C.C. Pipes	Each steel collar	322.00
WD-W0400	200mm dia R.C.C. Pipes	Each steel collar	402.49
WD-W0401	250mm dia R.C.C. Pipes	Each steel collar	477.96
WD-W0402	300mm dia R.C.C. Pipes	Each steel collar	552.17
WD-W0403	350mm dia R.C.C. Pipes	Each steel collar	627.64
WD-W0404	400mm dia R.C.C. Pipes	Each steel collar	652.80

WD-W0405	450mm dia R.C.C. Pipes	Each steel collar	817.57
WD-W0406	500mm dia R.C.C. Pipes	Each steel collar	914.42
WD-W0407	600mm dia R.C.C. Pipes	Each steel collar	1093.02
WD-W0408	700mm dia R.C.C. Pipes	Each steel collar	1305.59
WD-W0409	800mm dia R.C.C. Pipes	Each steel collar	1501.81
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	10%	
	4m to 6m	15%	
11a	Lowering AC/ GRP pipes and specials into the trench carefully, laying to proper grade and alignment, jointing of A.C/ GRP pipes with simplex joints with rubber rings or with C.I. detachable joints or with M.S. couplers.		
	For depth upto 2m		
WD-W0410	80mm dia AC/ GRP Pipes	One metre	27.33
WD-W0411	100mm dia AC/ GRP Pipes	One metre	37.27
WD-W0412	125mm dia AC/ GRP Pipes	One metre	54.67
WD-W0413	150mm dia AC/ GRP Pipes	One metre	62.12
WD-W0414	200mm dia AC/ GRP Pipes	One metre	83.24
WD-W0415	250mm dia AC/ GRP Pipes	One metre	101.88
WD-W0416	300mm dia AC/ GRP Pipes	One metre	129.21
WD-W0417	350mm dia AC/ GRP Pipes	One metre	144.12
WD-W0418	400mm dia AC/ GRP Pipes	One metre	166.49
WD-W0419	450mm dia AC/ GRP Pipes	One metre	193.82
WD-W0420	500mm dia AC/ GRP Pipes	One metre	231.09
WD-W0421	600mm dia AC/ GRP Pipes	One metre	277.06

WD-W0422	700mm dia AC/ GRP Pipes	One metre	341.67
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11b (i)	Lowering PVC/ DWSC rigid pipes and specials to trench and laying to proper grade and alignment, jointing with PVC couplers with cement paste.		
	For depth upto 2m		
WD-W0423	Upto 40mm dia (OD) PVC pipe	One metre	13.01
WD-W0424	50mm to 75mm dia (OD) PVC pipe	One metre	22.01
WD-W0425	90mm to 110mm dia (OD) PVC pipe	One metre	22.22
WD-W0426	125mm to 160mm dia (OD) PVC pipe	One metre	31.34
WD-W0427	180mm to 250mm dia (OD) PVC pipe	One metre	40.76
WD-W0428	Over 250mm to 315mm dia (OD) PVC pipe	One metre	58.38
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11b (ii)	Lowering HDPE pipes and specials to trench and laying to proper grade and alignment and as directed by the TWAD Officers		
	For depth upto 2m		
WD-W0429	50mm to 75mm dia (OD) HDPE pipe	One metre	18.75
WD-W0430	90mm to 110mm dia (OD) HDPE pipe	One metre	18.75
WD-W0431	125mm to 160mm dia (OD) HDPE pipe	One metre	26.39
WD-W0432	180mm to 250mm dia (OD) HDPE pipe	One metre	33.92
WD-W0433	Over 250mm to 315mm dia (OD) HDPE pipe	One metre	49.23

	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11c	Lowering PSC/ BWSC pipes and specials into the trench and laying to proper grade and alignment and Jointing with rubber gaskets		
	For depth upto 2m		
WD-W0434	Upto 350mm diameter	One metre	144.12
WD-W0435	400mm diameter	One metre	168.97
WD-W0436	450mm diameter	One metre	197.55
WD-W0437	500mm diameter	One metre	231.09
WD-W0438	600mm diameter	One metre	280.79
WD-W0439	700mm diameter	One metre	314.33
WD-W0440	800mm diameter	One metre	341.67
WD-W0441	900mm diameter	One metre	372.73
WD-W0442	1000mm diameter	One metre	406.27
WD-W0443	1100mm diameter	One metre	438.58
WD-W0444	1200mm diameter	One metre	505.67
WD-W0445	1300mm diameter	One metre	561.58
WD-W0446	1400mm diameter	One metre	644.82
WD-W0447	1500mm diameter	One metre	715.64
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	

11d	Lowering CI collars with flange into the trench and laying to proper grade and alignment and jointing PSC pipes with 2 Nos of conical rubber rings and MS bolts and nuts excluding the cost of jointing materials.		
	For depth upto 2m		
WD-W0448	Upto 350mm diameter	Each collar	1539.37
WD-W0449	400mm diameter	Each collar	1801.52
WD-W0450	450mm diameter	Each collar	2063.67
WD-W0451	500mm diameter	Each collar	2322.10
WD-W0452	600mm diameter	Each collar	2831.49
WD-W0453	700mm diameter	Each collar	3603.04
WD-W0454	800mm diameter	Each collar	3871.41
WD-W0455	900mm diameter	Each collar	4385.77
WD-W0456	1000mm diameter	Each collar	5151.11
WD-W0457	1100mm diameter	Each collar	5671.68
WD-W0458	1200mm diameter	Each collar	6446.96
WD-W0459	1300mm diameter	Each collar	7229.69
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
11e	Testing of pipes for water supply with hydraulic testing equipment by filling with water (including cost of water) and testing to recommended pressure in convenient stretches and attending the bursts if any occurred during the test, excluding the cost of pipes but including other incidental and operational charges etc., complete for the following diametres of pipes.		
WD-W0460	Up to 100mm	One metre	75.38
WD-W0461	125mm	One metre	89.30

WD-W0462	150mm	One metre	99.74
WD-W0463	200mm	One metre	121.77
WD-W0464	250mm	One metre	153.08
WD-W0465	300mm	One metre	186.72
WD-W0466	350mm	One metre	220.35
WD-W0467	400mm	One metre	256.30
WD-W0468	450mm	One metre	294.57
WD-W0469	500mm	One metre	358.36
WD-W0470	600mm	One metre	427.94
WD-W0471	700mm	One metre	543.91
WD-W0472	750mm	One metre	635.53
WD-W0473	900mm	One metre	734.11
WD-W0474	1050mm	One metre	946.34
WD-W0475	1200mm	One metre	1189.88
12a	Cutting C.I./D.I Pipes true to axis and filing smoothly and finishing the ends complete		
WD-W0476	80mm dia C.I./D.I pipes	Each cutting	56.13
WD-W0477	100mm dia C.I./D.I pipes	Each cutting	63.79
WD-W0478	125mm dia C.I./D.I pipes	Each cutting	79.09
WD-W0479	150mm dia C.I./D.I pipes	Each cutting	88.02
WD-W0480	175mm dia C.I./D.I pipes	Each cutting	104.61
WD-W0481	200mm dia C.I./D.I pipes	Each cutting	141.60
WD-W0482	250mm dia C.I./D.I pipes	Each cutting	179.87
WD-W0483	300mm dia C.I./D.I pipes	Each cutting	202.84
WD-W0484	350mm dia C.I./D.I pipes	Each cutting	256.42
WD-W0485	375mm dia C.I./D.I pipes	Each cutting	316.37
WD-W0486	400mm dia C.I./D.I pipes	Each cutting	331.68
WD-W0487	450mm dia C.I./D.I pipes	Each cutting	357.20

WD-W0488	500mm dia C.I./D.I pipes	Each cutting	395.47
WD-W0489	525mm dia C.I./D.I pipes	Each cutting	478.39
WD-W0490	600mm dia C.I./D.I pipes	Each cutting	487.32
WD-W0491	675mm dia C.I./D.I pipes	Each cutting	583.00
WD-W0492	700mm dia C.I./D.I pipes	Each cutting	614.89
WD-W0493	750mm dia C.I./D.I pipes	Each cutting	632.75
WD-W0494	800mm dia C.I./D.I pipes	Each cutting	664.64
WD-W0495	825mm dia C.I./D.I pipes	Each cutting	724.60
WD-W0496	850mm dia C.I./D.I pipes	Each cutting	760.32
WD-W0497	900mm dia C.I./D.I pipes	Each cutting	779.45
12b	Cutting A.C. Pipes true to axis and finishing the ends complete		
WD-W0498	80mm dia AC pipes	Each cutting	21.69
WD-W0499	100mm dia AC pipes	Each cutting	25.51
WD-W0500	125mm dia AC pipes	Each cutting	28.07
WD-W0501	150mm dia AC pipes	Each cutting	34.44
WD-W0502	200mm dia AC pipes	Each cutting	47.20
WD-W0503	250mm dia AC pipes	Each cutting	75.27
WD-W0504	300mm dia AC pipes	Each cutting	79.09
WD-W0505	350mm dia AC pipes	Each cutting	94.40
WD-W0506	400mm dia AC pipes	Each cutting	116.09
WD-W0507	450mm dia AC pipes	Each cutting	132.67
WD-W0508	500mm dia AC pipes	Each cutting	151.81
WD-W0509	600mm dia AC pipes	Each cutting	173.50
WD-W0510	700mm dia AC pipes	Each cutting	192.63
12c	Cutting P.V.C./ HDPE rigid pipes and specials true to axis and finishing the ends complete		
WD-W0511	Upto 75mm dia (OD) PVC pipe	Each cutting	7.65
WD-W0512	90mm dia PVC / HDPE pipes	Each cutting	11.48

WD-W0513	110mm dia PVC / HDPE pipes	Each cutting	11.48
WD-W0514	125mm dia PVC / HDPE pipes	Each cutting	11.48
WD-W0515	140mm dia PVC / HDPE pipes	Each cutting	11.48
WD-W0516	160mm dia PVC / HDPE pipes	Each cutting	19.14
WD-W0517	180mm dia PVC / HDPE pipes	Each cutting	22.96
WD-W0518	200mm dia PVC / HDPE pipes	Each cutting	22.96
WD-W0519	250mm dia PVC / HDPE pipes	Each cutting	26.79
WD-W0520	315mm dia PVC / HDPE pipes	Each cutting	29.34
12d.	Cutting and Threading of GI pipes		
a.i	15mm dia GI pipe, Cutting	Each	PWD Rate
ii.	15mm dia GI pipe, Threading	Each	
b.i	20mm dia GI pipe, Cutting	Each	
ii.	20mm dia GI pipe, Threading	Each	
c.i	25mm dia GI pipe, Cutting	Each	
ii.	25mm dia GI pipe, Threading	Each	
d.i	32mm dia GI pipe, Cutting	Each	
ii	32mm dia GI pipe, Threading	Each	
e.i	40mm dia GI pipe, Cutting	Each	
ii	40mm dia GI pipe, Threading	Each	
f.i	50mm dia GI pipe, Cutting	Each	
ii.	50mm dia GI pipe, Threading	Each	
g.i	65mm dia GI pipe, Cutting	Each	
ii	65mm dia GI pipe, Threading	Each	
h.i	80mm dia GI pipe, Cutting	Each	
ii.	80mm dia GI pipe, Threading	Each	
i.i	100mm dia GI pipe, Cutting	Each	
ii.	100mm dia GI pipe, Threading	Each	

WD-W0521	125mm dia GI pipe, Cutting	Each	55.67
WD-W0522	125mm dia GI pipe, Threading	Each	111.45
13	Cutting R.C.C. Pipes true to axis and finishing the ends complete		
WD-W0523	150mm dia R.C.C. Pipes	Each cutting	79.09
WD-W0524	200mm dia R.C.C. Pipes	Each cutting	88.02
WD-W0525	250mm dia R.C.C. Pipes	Each cutting	113.54
WD-W0526	300mm dia R.C.C. Pipes	Each cutting	147.98
WD-W0527	350mm dia R.C.C. Pipes	Each cutting	154.36
WD-W0528	400mm dia R.C.C. Pipes	Each cutting	199.01
WD-W0529	450mm dia R.C.C. Pipes	Each cutting	218.15
WD-W0530	500mm dia R.C.C. Pipes	Each cutting	243.66
WD-W0531	600mm dia R.C.C. Pipes	Each cutting	271.72
WD-W0532	650mm dia R.C.C. Pipes	Each cutting	284.48
WD-W0533	700mm dia R.C.C. Pipes	Each cutting	312.55
WD-W0534	750mm dia R.C.C. Pipes	Each cutting	322.75
WD-W0535	800mm dia R.C.C. Pipes	Each cutting	354.65
WD-W0536	900mm dia R.C.C. Pipes	Each cutting	376.33
WD-W0537	1000mm dia R.C.C. Pipes	Each cutting	405.67
WD-W0538	1100mm dia R.C.C. Pipes	Each cutting	433.74
WD-W0539	1200mm dia R.C.C. Pipes	Each cutting	465.63
WD-W0540	1300mm dia R.C.C. Pipes	Each cutting	484.77
14a	Removing the burst C.I./ D.I pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipeline with sound pipe including jointing and cost of refilling the pipeline with water for retesting the pipe line etc complete. (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board Officers.		

14a	Removing the burst C.I./ D.I pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipeline with sound pipe including jointing and cost of refilling the pipeline with water for retesting the pipe line etc complete. (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board Officers.		
WD-W0541	80mm dia C.I./ D.I Pipes	Each	1465.78
WD-W0542	100mm dia C.I./ D.I Pipes	Each	1839.56
WD-W0543	125mm dia C.I./ D.I Pipes	Each	2403.42
WD-W0544	150mm dia C.I./ D.I Pipes	Each	3031.07
WD-W0545	200mm dia C.I./ D.I Pipes	Each	4227.68
WD-W0546	250mm dia C.I./ D.I Pipes	Each	5812.10
WD-W0547	300mm dia C.I./ D.I Pipes	Each	7395.25
WD-W0548	350mm dia C.I./ D.I Pipes	Each	8373.71
WD-W0549	400mm dia C.I./ D.I Pipes	Each	10698.05
WD-W0550	450mm dia C.I./ D.I Pipes	Each	11654.82
WD-W0551	500mm dia C.I./ D.I Pipes	Each	13077.23
WD-W0552	600mm dia C.I./ D.I Pipes	Each	16001.14
WD-W0553	700mm dia C.I./ D.I Pipes	Each	17466.93
WD-W0554	750mm dia C.I./ D.I Pipes	Each	20045.12
WD-W0555	800mm dia C.I./ D.I Pipes	Each	22638.63
WD-W0556	825mm dia C.I./ D.I Pipes	Each	26848.45
WD-W0557	900mm dia C.I./ D.I Pipes	Each	32754.95
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	

14b	Removing the burst A.C. Pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipe line with sound pipe including jointing and cost of refilling the pipe line with water for retesting the pipe line etc complete (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board Officers		
WD-W0558	For depth upto 2m		
WD-W0559	80mm dia AC. Pipes	Each	848.34
WD-W0560	100mm dia AC. Pipes	Each	1003.98
WD-W0561	125mm dia AC. Pipes	Each	1262.95
WD-W0562	150mm dia AC. Pipes	Each	1617.59
WD-W0563	200mm dia AC. Pipes	Each	2270.75
WD-W0564	250mm dia AC. Pipes	Each	2903.50
WD-W0565	300mm dia AC. Pipes	Each	3616.62
WD-W0566	350mm dia AC. Pipes	Each	3971.26
WD-W0567	375mm dia AC. Pipes	Each	4468.79
WD-W0568	400mm dia AC. Pipes	Each	4731.58
WD-W0569	450mm dia AC. Pipes	Each	4832.36
WD-W0570	500mm dia AC. Pipes	Each	5308.20
WD-W0571	600mm dia AC. Pipes	Each	6178.23
WD-W0572	700mm dia AC. Pipes	Each	7610.84
	NOTE: For depth between	% excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	

14c	Removing the burst P.V.C./ HDPE Pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipe line with sound pipe including jointing and cost of refilling the pipe line with water for retesting the pipe line etc., complete (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board Officers		
WD-W0573	Upto 63mm dia (OD) PVC / HDPE Pipes	Each	433.74
WD-W0574	75mm dia (OD) PVC / HDPE Pipes	Each	544.73
WD-W0575	90mm dia (OD) PVC / HDPE Pipes	Each	724.60
WD-W0576	110mm dia (OD) PVC / HDPE Pipes	Each	880.24
WD-W0577	125mm dia (OD) PVC / HDPE Pipes	Each	1044.80
WD-W0578	140mm dia to 160mm dia (OD) PVC / HDPE Pipes	Each	1288.46
WD-W0579	180mm dia to 200mm dia (OD) PVC / HDPE Pipes	Each	1974.79
WD-W0580	250mm dia to 280mm dia (OD) PVC / HDPE Pipes	Each	2407.25
WD-W0581	315mm dia (OD) PVC / HDPE Pipes	Each	2682.80
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
14d	Removing the burst R.C.C. pipes from the pipe line and removal of slushy soil and baling out water and replacing the pipe line with sound pipe including jointing and cost of refilling the pipe line with water for retesting the pipe line etc., complete. (excluding cost of sound pipe and jointing materials and earth work) and as directed by the TWAD Board Officers		
	For depth upto 2m		
WD-W0582	150mm dia RCC Pipes	Each	2356.22
WD-W0583	200mm dia RCC Pipes	Each	3313.00
WD-W0584	250mm dia RCC Pipes	Each	4117.97

WD-W0585	300mm dia RCC Pipes	Each	4889.77
WD-W0586	350mm dia RCC Pipes	Each	5789.14
WD-W0587	375mm dia RCC Pipes	Each	6878.59
WD-W0588	400mm dia RCC Pipes	Each	7408.01
WD-W0589	450mm dia RCC Pipes	Each	8281.86
WD-W0590	500mm dia RCC Pipes	Each	9216.95
WD-W0591	525mm dia RCC Pipes	Each	10490.11
WD-W0592	600mm dia RCC Pipes	Each	10774.59
WD-W0593	650mm dia RCC Pipes	Each	12022.23
WD-W0594	700mm dia RCC Pipes	Each	12263.33
WD-W0595	800mm dia RCC Pipes	Each	13533.93
WD-W0596	900mm dia RCC Pipes	Each	14948.69
WD-W0597	1000mm dia RCC Pipes	Each	16343.03
WD-W0598	1100mm dia RCC Pipes	Each	17806.26
WD-W0599	1200mm dia RCC Pipes	Each	19218.47
WD-W0600	1300mm dia RCC Pipes	Each	20162.49
	NOTE: For depth between	Percentage excess allowed over basic rate	
	2m to 4m	15%	
	4m to 6m	30%	
	For sewerline works (Except pumping main) 5% extra over the above rate may be adopted.		
14e	Charges for fixing MS Stepped split up collar in position in the spigot and socket ends of the PSC pipe carefully and caulking the sides of the collar using hemp yarn cement and hard crete and pouring the cement slurry mixed with use of hard crete in the stepped collar including cost of materials etc. complete but excluding cost of stepped collar as directed by the TWAD Board Officers		

WD-W0601	Upto 1500mm dia PSC pipes	Each	15503.62
WD-W0602	Upto 1000mm dia PSC pipes	Each	12393.45
WD-W0603	Upto 800mm dia PSC pipes	Each	7226.86
WD-W0604	Upto 700mm dia PSC pipes	Each	7135.01
WD-W0605	Upto 600mm dia PSC pipes	Each	7049.53
WD-W0606	Upto 500mm dia PSC pipes	Each	6831.39
Note:	For lighting arrangements during night works due to emergency actual expenditure incurred based on need for lighting may be given extra as certified by the Executive Engineer incharge of work at site		
14f	Charges for lowering, positioning and fixing MS steps collars in AC pipe line carefully and caulking the sides of collar using hemp yarn, cement and hard crete into the stepped collar including cost of jointing materials such as cement, yarn, bolt and nuts, MS washers, RI sheet and hard crete etc. but excluding cost of step collar and as directed by TWAD Officers		
WD-W0607	For 500mm dia AC pipe	Each	5165.44
WD-W0608	For 600mm dia AC pipe	Each	5678.04
WD-W0609	For 700mm dia AC pipe	Each	6457.38
i)	For removing the burst pipe in the maintenance works when burst occurs and replacing it with sound pipes including the cost of refilling the trench and the removal of slushy soil etc., Complete (Pipes and special jointing materials will be supplied with in 200m lead and at the respective TWAD Board divisional stores free of cost). 2 times ordinary rate allowed for the works are done during day time since the works are done in confined reaches.		
ii)	If the works are done in odd hours (i.e) 8.00 P.M. to 8.00 A.M. of the next day, 3 times of ordinary rate is allowed since the works are done in the confined reaches.		
	Slow Sand / Rapid Sand Filter Works		
WD-W0610	Labour for filling with broken stone of all sizes well washed and cleaned, to be free from impurities, including stacking and laying in bed	One cubic metre	167.12

WD-W0611	Labour for filling the coarse sand passing through a sieve of 10 meshes to 2.5 cm and retained in 20 meshes to 2.5 cm well washed and cleaned to be free from impurities including stacking	One cubic metre	316.37
WD-W0612	Labour for filling with fine sand passing through a sieve of ten meshes to 2.5cm and retained in a sieve of 40 meshes to 2.5 cm well washed and cleaned to be free from impurities including stacking	One cubic metre	28.07
WD-W0613	Labour for scraping and removing silt only from the surface and sides of the filter basin carrying the same to a distance not exceeding 200 metres	One cubic metre	30.62
WD-W0614	Labour for removing dirty sand in layer of 25 mm uniform thickness from the slow sand filter, conveying, dropping the sand in a hopper with a lift of not exceeding 3 metres within a distance of 30 metres and delivering the washed sand in filter bed including removal and carrying the dirt from collecting chamber to a distance of upto 200 metres.	One square metre	38.27
<b>DRAINAGE WORKS</b>			
16	Laying and jointing with cement mortar stoneware pipes and specials in dry condition and testing with water		
	100mm diameter stoneware pipes	One metre	
	150mm diameter stoneware pipes	One metre	
	200mm diameter stoneware pipes	One metre	
	225mm diameter stoneware pipes	One metre	
	250mm diameter stoneware pipes	One metre	
	300mm diameter stoneware pipes	One metre	
	375mm diameter stoneware pipes	One metre	
	450mm diameter stoneware pipes	One metre	
	NOTE : The rates to be worked out vide standard data appended as Item 21		

17	Joining HDPE Pipes and Specials by butt fusion welding / electro fusion welding joints using fusion equipment as per ISO 21307-2011 and as per IS 7634 (part-2) : 2012 including cost of hire charges for butt fusion equipment power supply arrangements etc., complete as per directed by TWAD Board Officers.		
WD-W0615	50mm	Joint	100.78
WD-W0616	63mm	Joint	125.02
WD-W0617	75mm	Joint	149.26
WD-W0618	90mm	Joint	182.43
WD-W0619	110mm	Joint	219.42
WD-W0620	125mm	Joint	250.04
WD-W0621	140mm	Joint	280.65
WD-W0622	160mm	Joint	318.93
WD-W0623	180mm	Joint	367.40
WD-W0624	200mm	Joint	406.95
WD-W0625	225mm	Joint	460.53
WD-W0626	250mm	Joint	511.56
WD-W0627	280mm	Joint	570.24
WD-W0628	315mm	Joint	642.95
WD-W0629	355mm	Joint	723.32
WD-W0630	400mm	Joint	816.45
WD-W0631	450mm	Joint	917.23
WD-W0632	500mm	Joint	1019.29
WD-W0633	560mm	Joint	1178.75
WD-W0634	630mm	Joint	1347.14
18	Joining of mechanical joint collar, nuts, gasket and fixing in position as directed by departmental officers.		
WD-W0635	100mm	Joint	127.57

WD-W0636	150mm	Joint	308.72
WD-W0637	200mm	Joint	318.93
WD-W0638	250mm	Joint	469.46
WD-W0639	400mm	Joint	988.67
WD-W0640	450mm	Joint	1092.00
WD-W0641	600mm	Joint	2001.58
19	Disjointing of GI pipes as directed by the departmental officers		
WD-W0642	upto 80mm	Each	82.92
WD-W0643	Above 80mm	Each	109.71
20	Welding of GI pipes as directed by the departmental officers for the sizes		
WD-W0644	upto 80mm	One welding Joint	269.17
WD-W0645	Above 80mm	One welding Joint	308.72
Note:	The Basic rates adopted under this head " Rates of works" is exclusive of all taxes and GST		

**DATA ILLUSTRATION (RATES FOR ITEM No.16) LAYING AND JOINTING STONE WARE PIPES FOR ONE RUNNING METRE  
(Only for illustration purpose assuming Conveyance charges for 20KM for Cement & Sand and 8KM for Stoneware pipes)**

Unique Code	1	2	3	4	5	6	7	8	9	10	Labour for Laying and jointing						14	15	16	17	18	19	20	
											Mason I Class (1098.90)		Fitter II Class (941.60)		Mazdoor Category I (716.10)									Mazdoor Category II (587.40)
WD- W0646	100	60	435	45	274.35	0.04	43.86	3.63	52.31	370.52	2	2198	1	941.6	5	3581	2	1175	7894.70	8265.22	334.54	75.38	8675.14	289.17
WD- W0647	150	60	750	68	414.58	0.07	76.76	5.45	78.53	569.87	3	3297	2	1883	6	4297	3	1762	11238.70	11808.57	576.80	99.74	12485.10	416.17
WD- W0648	200	60	1043	98	597.48	0.08	87.72	6.90	99.43	784.63	4	4396	2	1883	6	4297	3	1762	12337.60	13122.23	802.13	121.77	14046.13	468.20
WD- W0649	225	60	1185	104	634.06	0.10	109.65	8.17	117.73	861.44	5	5495	3	2825	7	5013	5	2937	16269.00	17130.44	1101.85	153.09	18385.38	612.85
WD- W0650	250	60	1375	115	701.13	0.11	120.62	8.35	120.32	942.07	5	5495	3	2825	7	5013	5	2937	16269.00	17211.07	1278.52	153.09	18642.67	621.42
WD- W0651	300	60	2180	150	914.51	0.15	164.48	11.34	163.41	1242.40	6	6593	3	2825	12	8593	6	3524	21535.80	22778.20	2027.03	186.71	24991.94	833.06
WD- W0652	375	60	2425	318	1938.77	0.28	307.02	18.14	261.40	2507.19	7	7692	3	2825	14	10025	7	4112	24654.30	27161.49	2613.37	220.35	29995.22	999.84

- Note :
- For other diameter of pipes now manufactured, the rates will be fixed in due course after observing data.
  - The rates arrived at adopting the data appended to this schedule of Rates is for works done in the first 2.00m depth extra percentage 5% for 2m to 2.5m, 7.50% for 2.50m to 3m, 10% for 3m to 3.50m 15% for 3.50m to 4m and 20% for above 4m depth over basic rates are allowed.
  - The above data does not include baling charges, baling charges to be added as extra as per rates given in the relevant PWD Schedule of Rates or as per actuals.
  - The conveyance charges adopted for Cement, Sand & Pipes are only for illustration purpose. The average lead for respective districts, as approved by the Chief Engineer shall be adopted for Cement & Sand. The lead for Pipe shall be adopted, as certified by the respective Assistant Executive Engineer.

## **II. RATES FOR WORKS**

**(C. EARTHWORK EXCAVATION FOR  
PIPE LAYING WORKS FOR WATER SUPPLY  
AND SEWERAGE WORKS)**

**EARTH WORK EXCAVATION FOR PIPE LAYING WORKS FOR WATER SUPPLY AND SEWERAGE WORKS**

Unique Code	Description	Unit	Rates for 2024-25 in Rupees
1	Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 M in narrow trenches having bed width 1.25m & below for laying of pipes for water supply and sewerage works in the following type of soils as directed by Departmental officers		
WD-W0653	Sand, silt or other loose soil, wet sand or silt not under water light black cotton soil, sandy loam and ordinary soil.SS20B	Cum	205.84
WD-W0654	Hard stiff clay, stiff black cotton, hard red earth, shales, murrum gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil.SS20B	Cum	308.14
II	Earth work excavation and depositing on bank with initial lead of 10m and lift of 2.00m in narrow trenches for laying of pipes for water supply and sewerage works in the following types of soil strata as directed by departmental officers		
WD-W0655	In Soft Disintegrated Rock, Laterite, soft rock or kankar, not requiring blasting.	Cum	367.18
WD-W0656	In Medium rock and dense medium rock not requiring blasting.	Cum	644.93
WD-W0657	In Medium rock and Dense medium rock requiring blasting.	Cum	886.04
WD-W0658	In hard rock including blasting, removal and stacking.	Cum	1741.92

III			
WD-W0659	Earth work excavation for Pipe Laying work by removing dense medium rock using controlled blasting method by drilling blast holes using compressor and jack hammer including dewatering wherever necessary, cost of gelatin, electric detonator, licensed shot fireman, labour for filling earth in gunny bags, labour for excavation of earth, conveyance of earth including cost of gunny bags, M.S Plates, barricading, putting up road diversion boards and providing red light signal during night, removal of debris etc., where open blasting is prohibited and as directed by TWAD Board Officers.	Cum	861.67
WD-W0660	Earth work excavation for Pipe Laying work by removing hard rock using controlled blasting method by drilling blast holes using compressor and jack hammer including stacking, dewatering wherever necessary, cost of gelatin, electric detonator, licensed shot fireman, labour for filling earth in gunny bags, labour for excavation of earth, conveyance of earth including cost of gunny bags, M.S Plates, barricading, putting up road diversion boards and providing red light signal during night, removal of debris etc., where open blasting is prohibited and as directed by TWAD Board Officers.	Cum	1574.91

## **II. RATES FOR WORKS**

**(D. EARTHWORK EXCAVATION AND  
REFILLING FOR PIPE LINE WORKS HAVING  
BED WIDTH OF 1.25M AND BELOW ON  
LINEAR MEASUREMENT BASIS)**

**THE RATES FOR EARTH WORK EXCAVATION AND REFILLING FOR PIPE LINE WORKS HAVING BED WIDTH OF 1.25M AND BELOW ON LINEAR MEASUREMENT BASIS**

Unique Code	Type	Pipe size in mm	Bed Width in 'm'	Depth in 'm'	Earth work qty. in cum/m	Outer dia of pipe in 'm'	Refilling Qty/ cum/m	Earth work rate for other than loose soil/m Rs.	Earth work rate for loose soil/m Rs.	Refilling rate/m Rs.
								Cost of EWE		308.14
								Cost of refilling		42.85
								Cost of loose soil		205.84
								<b>A</b>	<b>B</b>	<b>C</b>
WD-W0661	CI/DI/	80	0.75	1.05	0.79	0.098	0.780	243.43	162.61	33.42
WD-W0662	MS	100	0.75	1.05	0.79	0.118	0.777	243.43	162.61	33.29
WD-W0663		125	0.75	1.05	0.79	0.144	0.771	243.43	162.61	33.04
WD-W0664		150	0.75	1.05	0.79	0.170	0.765	243.43	162.61	32.78
WD-W0665		200	0.80	1.10	0.88	0.222	0.841	271.16	181.14	36.04
WD-W0666		250	0.80	1.20	0.96	0.274	0.901	295.81	197.61	38.61
WD-W0667		300	0.80	1.35	1.08	0.326	0.997	332.79	222.31	42.72
WD-W0668		350	0.90	1.45	1.31	0.378	1.193	403.66	269.65	51.12
WD-W0669		400	0.90	1.55	1.40	0.429	1.251	431.40	288.18	53.61
WD-W0670		450	1.00	1.70	1.70	0.480	1.519	523.84	349.93	65.09
WD-W0671		500	1.00	1.85	1.85	0.532	1.628	570.06	380.80	69.76
WD-W0672		525	1.00	1.85	1.85	0.532	1.628	570.06	380.80	69.76
WD-W0673		600	1.10	2.05	2.26	0.635	1.938	696.40	465.20	83.04
WD-W0674		700	1.20	2.30	2.76	0.738	2.332	850.47	568.12	99.93
WD-W0675		725	1.25	2.45	3.06	0.790	2.573	942.91	629.87	110.25
WD-W0676	AC CI 15	80	0.75	1.05	0.79	0.104	0.779	243.43	162.61	33.38
WD-W0677		100	0.75	1.05	0.79	0.124	0.775	243.43	162.61	33.21
WD-W0678		125	0.75	1.05	0.79	0.151	0.770	243.43	162.61	32.99
WD-W0679		150	0.75	1.05	0.79	0.178	0.763	243.43	162.61	32.69
WD-W0680		200	0.80	1.10	0.88	0.235	0.837	271.16	181.14	35.87
WD-W0681		250	0.80	1.20	0.96	0.286	0.896	295.81	197.61	38.39

WD-W0682		300	0.80	1.35	1.08	0.340	0.989	332.79	222.31	42.37
WD-W0683		350	0.90	1.45	1.31	0.396	1.162	403.66	269.65	49.79
WD-W0684		400	0.90	1.55	1.40	0.452	1.235	431.40	288.18	52.91
WD-W0685		450	1.00	1.70	1.70	0.502	1.502	523.84	349.93	64.35
WD-W0686		500	1.00	1.85	1.85	0.559	1.605	570.06	380.80	68.77
WD-W0687		600	1.10	2.05	2.26	0.658	1.915	696.40	465.20	82.05
WD-W0688	AC Cl 10	80	0.75	1.05	0.79	0.104	0.779	243.43	162.61	33.38
WD-W0689		100	0.75	1.05	0.79	0.124	0.775	243.43	162.61	33.20
WD-W0690		125	0.75	1.05	0.79	0.149	0.770	243.43	162.61	32.99
WD-W0691		150	0.75	1.05	0.79	0.175	0.763	243.43	162.61	32.69
WD-W0692		200	0.80	1.10	0.88	0.229	0.839	271.16	181.14	35.95
WD-W0693		250	0.80	1.20	0.96	0.281	0.898	295.81	197.61	38.48
WD-W0694		300	0.80	1.35	1.08	0.333	0.993	332.79	222.31	42.55
WD-W0695		350	0.90	1.45	1.31	0.389	1.186	403.66	269.65	50.82
WD-W0696		400	0.90	1.55	1.40	0.436	1.246	431.40	288.18	53.38
WD-W0697		450	1.00	1.70	1.70	0.486	1.515	523.84	349.93	64.92
WD-W0698		500	1.00	1.85	1.85	0.541	1.620	570.06	380.80	69.42
WD-W0699		600	1.10	2.05	2.26	0.648	1.925	696.40	465.20	82.49
WD-W0700	PVC/ HDPE/ GRP	40	0.60	1.05	0.63	0.040	0.629	194.13	129.68	26.95
WD-W0701		50	0.60	1.05	0.63	0.050	0.628	194.13	129.68	26.91
WD-W0702		63	0.60	1.05	0.63	0.063	0.627	194.13	129.68	26.87
WD-W0703		75	0.60	1.05	0.63	0.075	0.626	194.13	129.68	26.82
WD-W0704		90	0.60	1.05	0.63	0.090	0.624	194.13	129.68	26.74
WD-W0705		110	0.60	1.05	0.63	0.110	0.621	194.13	129.68	26.61
WD-W0706		125	0.60	1.05	0.63	0.125	0.618	194.13	129.68	26.48
WD-W0707		140	0.60	1.05	0.63	0.140	0.615	194.13	129.68	26.35
WD-W0708		160	0.60	1.05	0.63	0.160	0.610	194.13	129.68	26.14
WD-W0709		180	0.75	1.05	0.79	0.180	0.760	243.43	162.61	32.57
WD-W0710		200	0.80	1.10	0.88	0.200	0.850	271.16	181.14	36.42

WD-W0711		350	0.90	1.45	1.31	0.464	1.136	403.66	269.65	48.68
WD-W0712	PSC/ BWSC	400	0.90	1.55	1.40	0.514	1.188	431.40	288.18	50.91
WD-W0713		450	1.00	1.70	1.70	0.564	1.450	523.84	349.93	62.13
WD-W0714		500	1.00	1.85	1.85	0.614	1.554	570.06	380.80	66.59
WD-W0715		600	1.10	2.05	2.26	0.724	1.844	696.40	465.20	79.02
WD-W0716		700	1.20	2.30	2.76	0.824	2.227	850.47	568.12	95.43
WD-W0717		800	1.25	2.45	3.06	0.934	2.378	942.91	629.87	101.90
WD-W0718		900	1.40	2.60	2.60	1.054	2.768	801.16	535.18	118.61
WD-W0719		1000	1.70	2.60	2.60	1.150	3.381	801.16	535.18	144.88
WD-W0720		1100	1.80	2.75	2.75	1.250	3.723	847.39	566.06	159.53
WD-W0721		1200	1.90	3.00	3.00	1.350	4.269	924.42	617.52	182.93
WD-W0722	GI	15	0.75	1.05	0.79	0.020	0.787	243.43	162.61	33.72
WD-W0723		20	0.75	1.05	0.79	0.030	0.787	243.43	162.61	33.72
WD-W0724		25	0.75	1.05	0.79	0.030	0.787	243.43	162.61	33.72
WD-W0725		32	0.75	1.05	0.79	0.040	0.786	243.43	162.61	33.68
WD-W0726		40	0.75	1.05	0.79	0.050	0.786	243.43	162.61	33.68
WD-W0727		50	0.75	1.05	0.79	0.060	0.786	243.43	162.61	33.68
WD-W0728		65	0.75	1.05	0.79	0.070	0.784	243.43	162.61	33.59
WD-W0729		80	0.75	1.05	0.79	0.090	0.781	243.43	162.61	33.47
WD-W0730		100	0.75	1.05	0.79	0.110	0.778	243.43	162.61	33.34
WD-W0731		125	0.75	1.05	0.79	0.140	0.772	243.43	162.61	33.08
WD-W0732		150	0.75	1.05	0.79	0.160	0.767	243.43	162.61	32.87

NOTE: (i) For Earthwork excavation for loose soil SS-20B and ordinary soil SS-20B

- a) with bed width less than 1.25m and depth more than 2.0 m, the quantities may be worked out separately with extra cost as per foot note (d) of IV (B) and additional lift charges may be adopted
  - b) with bed width more than 1.25m, the quantities may be worked out separately with extra cost as per foot note (e) of IV (B) and additional lift charges may be adopted for depth more than 2.0 m
- (ii) For Earthwork excavation in SDR, DMR, HR etc., linear measurement rate may be worked out separately and to be approved by the SE concerned after verification of soil classifications by putting trial pits at closer intervals. (B.P.Ms. No. 82/ CoM wing/ Dt: 22.08.2008)

**II. RATES FOR WORKS**  
**(E. MISCELLANEOUS ITEMS)**

## RATES FOR MISCELLANEOUS WORKS

Unique Code	Description	Unit	Rates for 2024-25 in Rupees
	<b>PLUMBING</b>		
1. A	Laying of G.I. Pipes and specials to proper line and level including jointing but excluding cost of pipes and jointing materials for plumbing works for providing water supply and sanitary works in the premises of the building		
WD-W0733	6 mm to 32 mm dia	One metre	22.97
WD-W0734	40 mm to 50 mm dia	One metre	22.97
WD-W0735	65 mm to 150 mm dia	One metre	30.61
B	Bore cap using M.S. Flat of size 1 cm x 3 mm and M.S. sheet on top with bolting arrangements for securing the cap in position (Bore caps with M.S. Couplings need not be made)		
WD-W0736	5" Casing Pipes	Each	632.75
WD-W0737	6" Casing Pipes	Each	671.02
WD-W0738	8 " Casing Pipes	Each	737.35
2	Labour for cutting open road for laying water mains or sewer.		
WD-W0739	B.T. Roads (or) Maccadam road	One cu.m	929.98
WD-W0740	Concrete Roads	One cu.m	1302.49
3	Labour for drilling, cutting, Threading and Fixing Fer-rules in distribution pipes.		
WD-W0741	10 mm dia	Each	96.95
WD-W0742	15 mm dia	Each	121.19
WD-W0743	20mm dia	Each	153.09
WD-W0744	25 mm dia	Each	181.15
WD-W0745	4) Labour charges for Painting TWAD Board Emblem in accordance with the size and specifications as approved by the Board on the Service Reservoirs including cost of all consumables, one coat of base paint, scaffolding charges including painting NRDWP Logo on the Service Reservoirs.	Sqm	3415.06
5	Drilling holes in C.I./G.I. Dummy Flanges.		
WD-W0746	12 mm dia	Each	34.44

WD-W0747	15 mm dia	Each	68.89
WD-W0748	20 mm dia	Each	99.51
WD-W0749	22 mm dia	Each	133.95
WD-W0750	25 mm dia	Each	168.39
WD-W0751	6) Labour for refilling with sand the socket hollows of pipes including conveyance and stacking	One cu.m	34.44
	NOTE : 1) For depth between	Per-centage excess allowed over basic rate	
	2 m to 4 m	15%	
	4 m to 6 m	30%	
7	Lifting and positioning of C.I / G.I / DI/ MS Pipes in vertical direction for service reservoir pipe connection		
WD-W0752	0 to 2 m	Qtl	288.31
WD-W0753	2 to 4 m	Qtl	435.02
WD-W0754	4 to 6 m	Qtl	682.51
WD-W0755	6 m to 8 m	Qtl	944.02
WD-W0756	8 m to 10 m	Qtl	1205.53
WD-W0757	10 m to 12 m	Qtl	1463.23
WD-W0758	12 m to 14 m	Qtl	1731.13
WD-W0759	14 m to 16 m	Qtl	1972.23
WD-W0760	16 m to 18 m	Qtl	2232.48
WD-W0761	18 m to 20 m	Qtl	2494.00
WD-W0762	20 m to 22 m	Qtl	2749.14
WD-W0763	22 m to 24 m	Qtl	3006.83

	<b>DRILLING WORKS</b>		
	<b>Using Hand Bore set</b>		
8	Drilling of borewells of size 4" to 5" dia. in Sedimentary formation using hand boresets including insertion of casing pipes and removal of casing pipes etc., including supplying and packing of pebbles and conveyance of hand Boreset including loading and unloading		
WD-W0764	a) Drilling of borewells of size 4" to 5" dia.	One metre	1089.45
WD-W0765	b) Drilling of borewells of size 6" to 8" dia. in sedimentary formation using hand boreset including insertion of casing pipe etc., and supplying and packing of pebbles (Conveyance of hand bore set including loading and unloading to be done by the contractor)	One metre	1282.08
c	<b>Using Hand Bore set (For Investigation purpose)</b>		
WD-W0766	Drilling of borewells of size 4" to 5" dia. in sedimentary formation using hand boresets including insertion of casing pipes and removal of casing pipes etc., including collection of samples as directed by the TWAD Board Officers.	One metre	811.35
WD-W0767	Drilling of borewells of size 6" to 8" dia. in sedimentary formation using hand boresets including insertion of casing pipes and removal of casing pipes etc., including collection of samples as directed by the TWAD Board Officers.	One metre	950.40
	<b>Using Calyx Drill</b>		
d	Drilling of 4 1/2" diameter borewell by using Calyx Drill including transporting charges and insertion of casing pipes (excluding cost of casing pipe)		
WD-W0768	For Hilly terrain area	One metre	4079.70
WD-W0769	For Plain area	One metre	3370.41
WD-W0770	Drilling 4 1/2" dia meter bores by using In-Well rig in Hilly areas	One metre	1717.10
WD-W0771	Reaming from 6" Pilot bore to 12" size bore as directed by the TWAD Board Officers	One metre	447.78
WD-W0772	Labour charges for inserting casing pipes assembly (With slot or without slot) in the drilled hole including welding the joint etc., complete and supplying and packing the annular space with pebbles of size and quality as approved by the Executive Engineer	One metre	428.64
9 a	Driving sheet piles for one metre length of gallery each side in sandy soil		
WD-W0773	First depth of 2 m	One metre	845.79
WD-W0774	Second depth of 2 m	One metre	1292.29

WD-W0775	Third depth of 2 m	One metre	2427.66
b	Removing sheet piles from one metre length of gallery on each side including stacking the sheet piles properly		
WD-W0776	First depth of 2 m	One metre	131.40
WD-W0777	Second depth of 2m	One metre	201.56
WD-W0778	Third depth of 2 m	One metre	292.14
10	Drilling of borwell inside well 115mm dia.		
WD-W0779	a) Vertical	One metre	937.64
WD-W0780	b) Horizontal	One metre	1028.21
11	Drilling of borewell inside well 150mm dia.		
WD-W0781	a) Vertical	One metre	1173.65
WD-W0782	b) Horizontal	One metre	1239.99
12	Drilling of Borewells anywhere in Tamilnadu including transportation from one place to another with in Tamilnadu in alluvial soil sedimentary strata of clay and sand stone shale pebbles boulders etc. By first taking a pilot bore of 140 mm/150mm dia and then enlarging to required dia direct or reverse rotary mud circulation method using rotary rigs, fuel, labour and drilling bentonite and water required for drilling at site ( Site will be shown by the TWAD Board Officers) including construction of mud pit.	P.S. to M.D.S.S. Special Specifications.	
a.	Drilling of 140/150 mm pilot bore		
WD-W0783	Upto 60 m Depth ending below ground level	One metre	1959.49
WD-W0784	From 60 m upto 90 m Depth ending from ground level	One metre	2122.77
WD-W0785	From 90 m upto 120 m Depth ending from ground level	One metre	2250.34
WD-W0786	From 120 m upto 150 m Depth ending from ground level	One metre	2368.98
WD-W0787	From 150 m upto 180 m Depth ending from ground level	One metre	2405.98
WD-W0788	From 180 m upto 210 m Depth ending from ground level	One metre	2483.79
WD-W0789	From 210 m upto 240 m Depth ending from ground level	One metre	2555.23

WD-W0790	From 240 m upto 270 m Depth ending from ground level	One metre	2644.53
WD-W0791	From 270 m upto 300 m Depth ending from ground level	One metre	2703.22
WD-W0792	From 300 m upto 330 m Depth ending from ground level	One metre	2768.27
WD-W0793	From 330 m upto 360 m Depth ending from ground level	One metre	2826.96
12 b	Reaming 140/150 mm dia pilot bore to 300mm dia bore as directed by the TWAD Board Officer.		
WD-W0794	Upto 60 m depth ending below ground level	One metre	492.43
WD-W0795	From 60 m depth and upto 90 mt depth ending below ground level	One metre	523.04
WD-W0796	From 90 m upto 120 mt depth ending below ground level	One metre	557.48
WD-W0797	From 120 m upto 150 mt depth ending below ground level	One metre	566.41
WD-W0798	From 150 m upto 180 mt depth ending below ground level	One metre	591.92
WD-W0799	From 180 m upto 210 mt depth ending below ground level	One metre	622.55
WD-W0800	From 210 m upto 240 mt depth ending below ground level	One metre	650.61
WD-W0801	From 240 m upto 270 mt depth ending below ground level	One metre	673.57
WD-W0802	From 270 m upto 300 mt depth ending below ground level	One metre	710.57
WD-W0803	From 300 m upto 330 mt depth ending below ground level	One metre	738.63
WD-W0804	From 330 m upto 360 mt depth ending below ground level	One metre	765.42
12 c	Reaming 200 mm dia pilot bore to 350mm dia bore as directed by the TWAD Board Officer.		
WD-W0805	Upto 60 m depth ending below ground level	One metre	552.38
WD-W0806	From 60 m depth and upto 90 mt depth ending below ground level	One metre	585.55
WD-W0807	From 90 m upto 120 m depth ending below ground level	One metre	622.55

WD-W0808	From 120 m upto 150 m depth ending below ground level	One metre	641.67
WD-W0809	From 150 m upto 180 m depth ending below ground level	One metre	663.37
WD-W0810	From 180 m upto 210 m depth ending below ground level	One metre	713.12
WD-W0811	From 210 m upto 240 m depth ending below ground level	One metre	815.18
WD-W0812	From 240 m upto 270 m depth ending below ground level	One metre	836.86
WD-W0813	From 270 m upto 300 m depth ending below ground level	One metre	856.00
WD-W0814	From 300 m upto 330 m depth ending below ground level	One metre	884.06
WD-W0815	From 330 m upto 360 m depth ending below ground level	One metre	905.75
12 d	Reaming 300 mm dia pilot bore to 400mm/ 450mm dia bore as directed by the TWAD Board Officer.		
WD-W0816	Upto 60 m depth ending below ground level	One metre	759.04
WD-W0817	From 60 m depth and upto 90 m depth ending below ground level	One metre	849.62
WD-W0818	From 90 m upto 120 m depth ending below ground level	One metre	905.75
WD-W0819	From 120 m upto 150 m depth ending below ground level	One metre	960.61
WD-W0820	From 150 m upto 180 m depth ending below ground level	One metre	998.88
WD-W0821	From 180 m upto 210 m depth ending below ground level	One metre	1026.94
WD-W0822	From 210 m upto 240 m depth ending below ground level	One metre	1051.18
WD-W0823	From 240 m upto 270 m depth ending below ground level	One metre	1100.94
WD-W0824	From 270 m upto 300 m depth ending below ground level	One metre	1143.03
WD-W0825	From 300 m upto 330 m depth ending below ground level	One metre	1199.17
WD-W0826	From 330 m upto 360 m depth ending below ground level	One metre	1239.99

12 e	Labour Charges for inserting 150 mm/200mm/250 mm dia (M.S. Casing pipes assembly with slots or with out slots) in the drilled hole including welding the joints etc., complete and supplying and packing the annular space with pebbles of size and quality as approved by the Executive Engineers of TWAD Board.		
WD-W0827	150 mm dia Casing Pipes assembly	One metre	441.40
WD-W0828	200 mm dia Casing Pipes assembly	One metre	441.39
WD-W0829	250 mm dia Casing Pipes assembly	One metre	449.04
13 a	Labour Charges for inserting PVC Casing pipes assembly (with slots or without slots) in the drilled hole including jointing the pipes with PVC Couplers with Cement paste etc., complete, supply and packing the annular space with pebbles of size and quality as approved by the executive engineers of TWAD Board		
WD-W0830	150 mm dia Casing Pipes assembly	One metre	428.64
WD-W0831	200 mm dia Casing Pipes assembly	One metre	441.40
WD-W0832	250 mm dia Casing Pipes assembly	One metre	441.40
13 b	Charges for developing the Borewell with air compressor of 600 CFM capacity (Minimum 8 Hours) including transportation, labour and fuel charges for compressor as directed by TWAD Officers and conducting yield test by 'V' notch method.		
WD-W0833	Charges for developing the Borewell with air compressor of 600 CFM capacity	One hour	2888.19
	Note : I) 150 mm dia bore, reaming should be done upto 300mm dia. II) 200 mm dia bore, reaming should be done upto 300mm dia and thereafter 400,450 etc.		
14	Drilling of borewell anywhere in Tamilnadu including transportation from one place to another place within Tamilnadu in alluvial soil or sedimentary strata of clay and sand or sand, stone, shale, pebbles, boulders etc., by first taking a pilot bore of 140 mm/150mm dia and then enlarging to required dia by direct or reverse rotary mud and circulation method using Contractor's rig, fuel, labour, drilling, bentonite mud and water required for drilling at the site shown by the TWAD Officers including construction of mud pit (only Calyx drills are to be used).		
WD-W0834	Drilling 140 / 150 mm dia Pilot Bore upto 60 m depth ending below ground level.	One metre	1428.79
WD-W0835	Reaming from 140/150 mm dia pilot bore to 300 mm dia bore as directed by the TWAD Board Officers upto 60 m Depth ending from ground level	One metre	403.12

WD-W0836	Labour charges for inserting 150 mm dia M.S. Casing pipes assembly (With slots or without slots) in the drilled hole including welding the joints and packing annular space with pebbles of size and quality as approved by the Executive Engineer / TWAD Board	One metre	362.30
d.	Labour Charges for inserting PVC casing pipes assembly (with slots or without slots) in the drilled hole including the jointing the pipes with PVC couplers with cement paste etc. complete		
WD-W0837	140 mm OD PVC Casing Pipes Assembly	One metre	309.97
WD-W0838	165 mm/168 mm dia PVC Casing pipes Assembly	One metre	362.30
WD-W0839	e) Charges for developing the borewell with air compressor of 300 CFM capacity (Minimum 8 Hours) including transportation labour and fuel charges for compressor as directed by TWAD Board Officers and conducting yield test by 'V' notch method.	One hour	2246.51
WD-W0840	f) Drilling of 12" dia vertical borewell so as to have a finished size of 6" dia borewell in boulder area to any required depth as decided by the TWAD Board Officers including Transportation from one place to another place within Tamilnadu State by direct or reverse rotary mud circulation method using Contractor's rig tools, fuel, labourers, bentonite mud and water required for drilling at the site shown by the TWAD Officers including construction of mud pit etc. using only calyx rigs.	One metre	2749.14
15 a.	Conveyance of Hand Pumps and its accessories from divisional stores to site of works		
WD-W0841	Conveyance upto 10 Kms	Each Hand Pump and its accessories	824.11
WD-W0842	Conveyance 10 to 20 Kms		1033.32
WD-W0843	Conveyance 20 to 40 Kms		1259.12
WD-W0844	Conveyance above 40 Kms		1459.40
	<p>Note :</p> <p>i) Conveyance of Filter Point, Handpump with GI Pipes and its accessories from divisional stores to site of works. 50% of the rate of conveyance of hand pumps, with its accessories is applicable for this item for the respective leads as indicated above</p> <p>ii) If the Mark II hand pump is conveyed in cart track even for part distance 20 % extra over the above rate shall be adopted.</p>		
WD-W0845	b i) Erection of deep well hand pumps upto 40 m	Each	1459.40
WD-W0846	ii) Above 40 m	Each	1664.80
WD-W0847	c) Erection of shallow well hand pumps	Each	644.23
WD-W0848	d) Erection Extra deep well hand pumps	Each	1884.21

e	Removal of deep well hand pumps from borewell		
WD-W0849	Up to 40 m	Each	1459.40
WD-W0850	Above 40 m	Each	1839.56
f)	Attending repairs to deep well handpumps for borewells inclusive of removal of G.I. Pipes, Plunger rods, Cylinder and re-erection of hand pumps inclusive of lowering the GI Pipes Plunger rods cylinder, jointing etc.		
WD-W0851	Upto 30 M	Each	1549.98
WD-W0852	Above 30 M	Each	1812.78
WD-W0853	16 a) Erection of filter point with G.I. Pipes of 32 mm to 65 mm dia.	Each	420.98
WD-W0854	b) Removing the chocked filter point with G.I. Pipes of 32 mm to 65 mm dia and re-erecting in another place within 1.00 KM radius after cleaning the filter points G.I. Pipes etc., Complete upto 8 m depth	Each	700.36
17a	ERECTION OF POWER PUMPSET IN BORE/OPENWELL		
	Labour Charges for erection of Horizontal shaft, centrifugal pumpset (Coupled/Monoblock) in bore well/Open well including fixing of suction pipe and foot valve upto a maximum depth of 7 metres and delivery pipes to the required length with valves, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPIC switches starter, Voltmeter, Ammeter, Capacitor single phasing preventor and laying and jointing the cables and twin earthing as per IE rules including providing bed blocks etc., complete and operating the pumps and trial run for 10 days including signing of completion of reports as required by EB authorities.		
WD-W0855	Upto 3 HP	Each	9429.99
WD-W0856	Above 3 HP upto 7.5 HP	Each	12137.04
WD-W0857	Above 7.5 HP to 20 HP	Each	14222.81
WD-W0858	Above 20HP to 30 HP	Each	15916.95
WD-W0859	Above 30 HP to 40 HP	Each	20620.47
WD-W0860	Above 40Hp to 50HP	Each	28758.17
WD-W0861	Above 50Hp to 60HP	Each	37530.00
WD-W0862	Above 60Hp to 70HP	Each	49500.00
WD-W0863	Above 70Hp to 80HP	Each	65300.00
WD-W0864	Above 80Hp to 120HP	Each	86100.00
WD-W0865	Above 120Hp to 150HP	Each	113600.00
WD-W0866	Above 150Hp to 180HP	Each	149900.00
WD-W0867	Above 180Hp to 315HP	Each	202365.00

17 b	ERECTION OF POWER PUMPS IN BORE WELL		
	Erection of power pumps in borewell labour charges for erection of twin packer duplex type jet pumps in borewells upto 150 mm dia including fixing of Suction pipe regulating valves with jet assembly upto a maximum depth of 30 m and delivery pipe valves pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, Voltmeter, Ammeter, three indicator lamps capacitor and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumps and trail run for 10 days including signing of completion of reports as required by EB authorities and finishing the pipe holes including the foundation bolts, nuts and earth pits.		
WD-W0868	Upto 3 HP	Each	12614.15
WD-W0869	Above 3 HP upto 7.5 HP	Each	14738.20
WD-W0870	Beyond 7.5 HP upto 20 HP	Each	16852.03
	Note : If depth of erection exceeds beyond 30 m 10% increase over the basic rate is allowed		
17 c	Labour charges for the erection of submersible pumpset in borewell/openwell including fixing and jointing submersible cable with proper clamps upto the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, Voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventor, water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumpset and trail run for 10 days.		
WD-W0871	Upto 5 HP	Each	12822.10
WD-W0872	Above 5.00 HP to 10.00 HP	Each	14693.55
WD-W0873	Above 10.00 HP to 20.00 HP	Each	16300.93
WD-W0874	Above 20HP to 30 HP	Each	17725.90
WD-W0875	Above 30 HP to 40 HP	Each	22588.87
WD-W0876	Above 40Hp to 50HP	Each	29845.07
WD-W0877	Above 50Hp to 85HP	Each	35000.00
WD-W0878	Above 85Hp to 95HP	Each	40000.00
WD-W0879	Above 95Hp to 120HP	Each	60000.00
WD-W0880	Above 120Hp to 150HP	Each	80000.00
WD-W0881	Above 150Hp to 180HP	Each	100000.00

17d	Erection of water Lubricated / oil lubricated vertical turbine pump with motor at site of work including preparation of suitable foundation and bed, fabrication of packer plates from raw materials , cutting required shims , assembling and joining of all required loose components such as bowl assembly, impellor shaft, line shaft, column pipes , head soft, discharge head, bearings, drive unit, delivery side pipes , suitable tappers required valves and specials, pressure gauges and flow meters , adjustment of pump shaft and leveling and alignment checkup greasing of relevant components, grouting of foundation bolts and sole plate with non shrink grout materials of conbextra GP-2 cement erection, connecting the relevant electrical cables with motor properly etc. complete and testing the out put and efficiency, site performance test for noise and vibration and trial run for minimum 10 days and commissioning satisfactorily for the various HP of the vertical turbine pumpsets as given below per IE rules as directed by TWAD Board officers .		
WD-W0882	Above 50Hp to 80HP	Each	165000.00
WD-W0883	Above 80Hp to 120HP	Each	185000.00
WD-W0884	Above 120Hp to 150HP	Each	200000.00
WD-W0885	Above 150Hp to 180HP	Each	225000.00
17 e	Conveyance of power pumpset (centrifugal, jet and submersible) and its accessories from divisional stores to site of works.		
WD-W0886	Conveyance upto 10 Kms	Each Power Pump and its accessories -do- -do- -do- -do-	1792.36
WD-W0887	Conveyance 10 to 20 Kms		1970.96
WD-W0888	Conveyance 20 to 40 Kms		2916.25
WD-W0889	Conveyance 40 to 60 Kms		3556.66
WD-W0890	Conveyance 60 to 80 Kms		4667.80
WD-W0891	Conveyance above 80 Kms		5352.85
	Note : For item 17 (a), (b) and (c)		
i.	Removal of centrifugal pumpset/ jet pumps/ submersible pumpsets and its accessories from borewell/ open well for attending repairs 50% of the rates mentioned under item 17 (a), (b) and (c) may be allowed for the respective Horse power.		
ii	Re-erection of centrifugal pumpsets, jet pumpsets and its accessories into the borewell/ openwell after attending the repairs 50% of the rate mentioned under item 17 (a), (b) and (c) may be allowed for respective Horse power.		

18	Hire charges :		
WD-W0892	a) Sheet piles (Larsen)	Per Pile/ Per day	7.66
WD-W0893	b) Sheet piles (For dingham)	Per Pile/ Per day	11.48
WD-W0894	c) Compartment sheet with Grills (3' - 0" Wide)	Per sheet / Per day	11.48
d	Rate for flushing of borewell of 6" dia requiring less than 4 hours operation using drill rods/ hose with required size of pipes for various capacity compressor including transportation, labour, and fuel charges for compressors as directed by the TWAD Officer and conducting yield test by 'V' notch method if required.		
WD-W0895	600 Cfm ( 100 /150 PSI)	1 hour (or) Part there of	2888.19
WD-W0896	300/250 Cfm (100 PSI)	1 hour (or) Part there of	2246.51
WD-W0897	125 Cfm (100 PSI)	1 hour (or) Part there of	2057.70
	Note : Minimum charges for 8 (eight) hours will be levied if the air compressor issued for other departmental works or if the air compressor is hired to other departments.		
WD-W0898	e) Helmet	Per day/ 8 hours	11.48
WD-W0899	f) Hand test pump	Per day/ 8 hours	104.61
WD-W0900	g) Pile hammer	Per day/ 8 hours	11.48
WD-W0901	h) Concrete mixer 5 Cft. With driver (Excluding cost of fuel)	Per day/ 8 hours	986.12
WD-W0902	i) Concrete mixer 7 Cft. With driver (Excluding cost of fuel)	Per day/ 8 hours	1487.48
WD-W0903	j) Hand operated winch	Per day/ 8 hours	96.95
WD-W0904	k) Pile cap	Per day/ 8 hours	25.51
l	Dewatering using 3HP to 70HP diesel engine pumpset including Hire charges, cost of Diesel, Engine oil, pump operator, labour charges, conveyance of pumpset and fuel to site and back, loading, unloading and any other incidental charges etc., complete.		
WD-W0905	Hire charges for Diesel Pump set for 3 HP	Per Hour	281.33
WD-W0906	Hire charges for Diesel Pump set for 5 HP	Per Hour	354.99

WD-W0907	Hire charges for Diesel Pump set for 7.5 HP	Per Hour	483.38
WD-W0908	Hire charges for Diesel Pump set for 10 HP	Per Hour	617.82
WD-W0909	Hire charges for Diesel Pump set for 12.5 HP	Per Hour	709.91
WD-W0910	Hire charges for Diesel Pump set for 15 HP	Per Hour	795.94
WD-W0911	Hire charges for Diesel Pump set for 20 HP	Per Hour	968.01
WD-W0912	Hire charges for Diesel Pump set for 40 HP	Per Hour	1613.94
WD-W0913	Hire charges for Diesel Pump set for 50 HP	Per Hour	1915.74
WD-W0914	Hire charges for Diesel Pump set for 60 HP	Per Hour	2259.88
WD-W0915	Hire charges for Diesel Pump set for 70 HP	Per Hour	2616.12
m	Hire charges for Centrifugal sludge removal pumpset with fuel and crew charges including transportations, fixing and dismantling		
WD-W0916	Upto 2HP	Per Hour	271.72
WD-W0917	Above 2HP to 5HP	Per Hour	353.38
WD-W0918	19 a) Labour for tying barbed wire fencing horizontally through the holes in RCC posts with required tension.	One metre	11.48
WD-W0919	b) Labour for tying barbed wire fencing vertically with required tension	One metre	11.48
WD-W0920	20) Labour charges for putting bore holes of size 3" to 4" in river bed in sandy and other loose soils using hand boring sets including the cost of hire charges, conveyance charges of hand boring sets, collection of soil sample at frequent intervals and as directed by TWAD Board Officers.	One metre	588.10
WD-W0921	21) Desilting light or sandy soil or silt from infiltration wells below water level including the charges for special T&P and air compressor etc. complete.	One cu.m.	2340.91

WD-W0922	22) Surveying and levelling for the proposed alignment of pipe line by Total station method by engaging qualified Engineers with minimum qualification of B.E.(Civil), Technical Asistant Grade I & II and Mazdoor category I, using the contractor own survey instruments, Special tools and plants vehicle hire charges, transportation, initial incidental charges such as jungle clearance etc. Preparation of Tree map and alignment plan, duly incorporating salient details, such as topographical features, permanent land marks, bench marks etc. at appropriate points, alignment plans and longitudinal section plan at 30 m intervals in addition to other salient locations such as branches,bends,culverts, river crossing etc,with all field particulars in Auto Cad and submission of plan 3 set, along with LF books with making all entries with certification by above qualified Engineers with soft copy and marking TBM stones at required places with bench mark registers soft copies 3 set and hard copy 5 set etc., complete as directed by TWAD Board officers.	1KM	5039.02
<b>23</b>	<b>To Prepare NH/NHAI application proposal to the proposed water pipeline - Topographic Survey</b>		
WD-W0923	i) carrying out topographical surveys of Water pipeline stretch on both sides of the NH Including capturing all necessary particulars of site and surroundings, as per relevant Including cost of mobilization of men and machinery. ii) The proposal including drawings and documents as per guidelines of MORTH sectional view of Water pipeline, Index.map showing the proposed location instate, Necessary undertakings inclusive of stamp paper in the specified format, License Deed Annexure-III. Check list duly filled as per applicable guidelines. iii) carrying out guide line value calculation nof detailed certified data for Restoration Charges & government License fee amount to be collected for laying pipeline. Submission of the proposal through Mort & H online portal.	1 km	7500
<b>24</b>	<b>Diversion of forest land for Laying of pipeline and DGPS Surveying and preparation of documents and uploading in to web portal of Forest department</b>		
WD-W0924	Taking Topographic survey using high precious DGPS or Total Station for transferring GPS coordinates for pipeline alignment including Topo drawings in KML format in the Reserve Forest area.	1 km	35000
WD-W0925	Preparation of greenery survey report through the alignment of pipeline in the Reserve Forest area.	1 km	15000
WD-W0926	Taking Topographic survey using high precious DGPS or Total Station for transferring GPS co-ordinates for compensation afforestation lands in the Reserve Forest area.	1 km	2200
WD-W0927	Preparation of online proposal documents and uploading the same into the web portal for pipeline alignment for Reserve Forest area land.	1 km	5000

WD-W0928	25) Conveyance of excavated earth from the narrow street (width less than 3.75m) to stock yard at nearest place (up to a lead of 5.00Km) including Head load charges from 10 meters to 100 meters and conveyance charges.	Cum	138.259
WD-W0929	26) Re-Conveyance of earth from the stock yard to the narrow street (width less than 3.75m) for refilling the trenches after laying the pipe line (up to a lead of 5.00Km) including Head load charges from 10 meters to 100 meters and conveyance charges.	Cum	138.259
WD-W0930	27) Disposal of surplus earth including loading and conveyance within a distance of 5 km (basic cost of earth is zero) including loading charges and Conveyance Charges of 5 kms distance.	Cum	115.28
WD-W0931	<b>28) Lighting arrangements (maintenance works) with genset :</b>		
	Hire charges for portable Genset 1.00 KVA with 2 Nos. of 150W flood light including all incidental charges, transportation, crew charges and fuel charges etc., complete.	Per day	115.28
29	Hire charges for deploying earth moving machinery (JCB/Poclair) for earthwork including diesel, oil and labour charges etc., complete.		
WD-W0932	JCB	Per Hour	909.227
WD-W0933	Poclair	Per Hour	2377.452
30	Supply delivery of natural Pebbles filter media for Filter bed operation & sedimentary bore well of spherical in shape and allow even distribution in support bed with good flow. The media should be double washed, screened, kiln dried and classified into various sizes to meet specification including all incidental charges, conveyance, loading & unloading etc., as directed by the TWAD Board officers.		
WD-W0934	Size : 5 mm to 20mm	Cum	4940.452
WD-W0935	Size : 20 mm to 70 mm	Cum	4518.305
<b>31</b>	<b>BARRICADING FOR PIPELINE WORKS FOR THE WSS / UGSS WORK</b>		
WD-W0936	Barricading work (Where, there is less traffic areas and broader roads etc.) for laying of pipe line using casurina poles at 1.50m center to center (8cm to 10cm dia and 1.80m height) vertical with horizontal poles in three rows including painting the vertical poles in the road facing sides with ready mix paint, tying the vertical and horizontal poles with coir rope including fixing charges and fixing 75mm dia reflectors including earth work excavation for fixing vertical posts and finally removing and stacking the materials safely for further use etc., complete and as directed by TWAD Board officers.	RM	58.00

WD-W0937	Barricading work (Where the lines are in narrow width of municipality area, busy streets like Market, Bus-stand and in the Highways etc.) for laying of pipe line using casurina poles at 1.50m center to center (8cm to 10cm dia. and 1.80m height) vertical with horizontal poles in two rows, painting the vertical poles in the road facing sides with ready mix paint, tying the vertical and horizontal poles with coir rope including supplying, delivery and fixing of GI sheet (0.90m x 0.8mm thick) in the horizontal poles and fixing 75mm dia. reflectors including earth work excavation for fixing vertical posts and finally removing and stacking the materials safely for further use etc., complete and as directed by TWAD Board officers.	RM	111.00
<b>32</b>	<b>Shoring &amp; strutting</b>		
	Shoring, and strutting with sheet piles of size width 400 mm x height of 3m x thickness of 9mm as per IS 2314-1986 by driving on both sides of the trench from Ground Level up to the required depth and connecting the above sheet piles by horizontal strutting with sheet piles at an interval of 1.0m, fixing the sheet piles by connecting the horizontal strutting with casurina poles of 8cm to 10cm dia. at 1.50m interval and including removing the sheet piles after the pipelines are laid, jointed, tested, and stacking it safely for other uses. It includes the cost of sheet piles and casurina poles including labour charges for erecting the sheet piles, driving the sheet piles, removing the sheet piles, fixing Casurina poles, etc., complete and all other incidental charges for the depths (i) 0-3mts.,(ii) 0-4mts.,(iii) 0-5mts., (iv) 0-6mts.,(v) 0-7mts. and (vi) 0-8mts.		
WD-W0938	0 to 3 m	RM	3407.81
WD-W0939	0 to 4 m	RM	4612.74
WD-W0940	0 to 5 m	RM	5844.48
WD-W0941	0 to 6 m	RM	7051.66
WD-W0942	0 to 7 m	RM	8281.16
WD-W0943	0 to 8 m	RM	9638.15

33	<b>RATES FOR TRENCHLESS TECHNOLOGY FOR PIPE LAYING WORK IN RAILWAY/ NHAI/SH/NH CROSSINGS.</b>		
i	Excavating of driving pit and receiving pit of size 3.00m (length) x 3.50m (breadth), upto 5m depth in all soil strata including shoring and strutting using 6mm tk MS Plate of size 3.50m x 3.50m usable for 20 operations and providing 16mm thickness MS plate of size 3.00m x 3.50m with 100mm x100mm x 12mm angles of 4m length for holding the MS plates for Thrust arrangements to receive the impacts during pushing operation of encasing pipe. Lowering the following size of MS encasing pipe by using Contractor's crane and machineries and jointing MS pipes by welding, across the National Highways/State Highways/ Railways/Canal crossing etc and driving the horizontal bore by pushing / jacking method (trenchless technology method) using contractor's machineries such as cranes, jacks, jacking materials, generator, welding machineries, compressor, jack hammer and other equipments etc. without interfering and causing any hindrance to the movement of traffic or any other vehicles, without any disturbances to the railway/road/canal formation etc. including bailing / pumping of water where ever necessary without affecting any installation like water supply pipeline/telephone cable, electric cables etc. passing nearby area and scooping the earth inside the pipes and pit and depositing the surplus earth in a convenient place and leveling the site after completion of entire work as directed by TWAD Engineers. The rate includes the cost of driving pit, thrust bed/wall and receiving pit to the depth of om to 2m excluding the cost of MS pipes.		
WD-W0944	For 200mm dia MS encasing pipe for various thickness	RM	10860.00
WD-W0945	For 250mm dia MS encasing pipe for various thickness	RM	10980.00
WD-W0946	For 300mm dia MS encasing pipe for various thickness	RM	11110.00

ii	Excavating of driving pit and receiving pit of size 3.00m (length) x 3.50m (breadth), depth upto 5m in all soil strata including shoring and strutting using 6mm tk MS Plate of size 3.50m x 3.50m usable for 15 operations and providing 16mm thickness MS plate of size 3.00m x 3.50m with 100mm x100mm x 12mm angles of 4m length for holding the MS plates for Thrust arrangements to receive the impacts during pushing operation of encasing pipe. Lowering the following size of MS encasing pipe by using Contractor's crane and machineries and jointing MS pipes by welding, across the National Highways/State Highways/ Railways/Canal crossing etc and driving the horizontal bore by pushing / jacking method (trenchless technology method) using contractor's machineries such as cranes, jacks, jacking materials, generator, welding machineries, compressor, jack hammer and other equipments etc. without interfering and causing any hindrance to the movement of traffic or any other vehicles, without any disturbances to the railway/road/canal formation etc. including bailing / pumping of water where ever necessary without affecting any installation like water supply pipeline/telephone cable, electric cables etc. passing nearby area and scooping the earth inside the pipes and pit and depositing the surplus earth in a convenient place and leveling the site after completion of entire work as directed by TWAD Engineers. The rate includes the cost of driving pit, thrust bed/wall and receiving pit to the depth of om to 2m excluding the cost of MS pipes.		
WD-W0947	For 350mm dia MS encasing pipe for various thickness	RM	12900.00
WD-W0948	For 400mm dia MS encasing pipe for various thickness	RM	13200.00
WD-W0949	For 450mm dia MS encasing pipe for various thickness	RM	13320.00
WD-W0950	For 500mm dia MS encasing pipe for various thickness	RM	13540.00
WD-W0951	For 600mm dia MS encasing pipe for various thickness	RM	13950.00
WD-W0952	For 700mm dia MS encasing pipe for various thickness	RM	15080.00
WD-W0953	For 800mm dia MS encasing pipe for various thickness	RM	15480.00
WD-W0954	For 900mm dia MS encasing pipe for various thickness	RM	15860.00

iii	Excavating of driving pit and receiving pit of size 3.00m (length) x 3.50m (breadth), depth upto 5m in all soil strata including shoring and strutting using 6mm tk MS Plate of size 3.50m x 3.50m usable for 10 operations and providing 16mm thickness MS plate of size 3.00m x 3.50m with 100mm x100mm x 12mm angles of 4m length for holding the MS plates for Thrust arrangements to receive the impacts during pushing operation of encasing pipe. Lowering the following size of MS encasing pipe by using Contractor's crane and machineries and jointing MS pipes by welding, across the National Highways/State Highways/ Railways/Canal crossing etc and driving the horizontal bore by pushing / jacking method (trenchless technology method) using contractor's machineries such as cranes, jacks, jacking materials, generator, welding machineries, compressor, jack hammer and other equipments etc. without interfering and causing any hindrance to the movement of traffic or any other vehicles, without any disturbances to the railway/road/canal formation etc. including bailing / pumping of water where ever necessary without affecting any installation like water supply pipeline/telephone cable, electric cables etc. passing nearby area and scooping the earth inside the pipes and pit and depositing the surplus earth in a convenient place and leveling the site after completion of entire work as directed by TWAD Engineers. The rate includes the cost of driving pit, thrust bed/wall and receiving pit to the depth of om to 2m excluding the cost of MS pipes.		
WD-W0955	For 1000mm dia MS encasing pipe for various thickness	RM	17520.00
WD-W0956	For 1050mm dia MS encasing pipe for various thickness	RM	17940.00
WD-W0957	For 1100mm dia MS encasing pipe for various thickness	RM	19330.00
WD-W0958	For 1200mm dia MS encasing pipe for various thickness	RM	20810.00
WD-W0959	For 1400mm dia MS encasing pipe for various thickness	RM	22430.00
WD-W0960	For 1600mm dia MS encasing pipe for various thickness	RM	24110.00
WD-W0961	For 1800mm dia MS encasing pipe for various thickness	RM	26020.00
WD-W0962	For 2000mm dia MS encasing pipe for various thickness	RM	27990.00
WD-W0963	For 2200mm dia MS encasing pipe for various thickness	RM	31150.00

<b>34</b>	<b>REPLACEMENT OF UNDER GROUND UTILITIES (HSC PIPES, DISTRIBUTION SYSTEM &amp; PUMPING MAIN PIPES, Etc.)</b>		
1	Replacement earthwork excavations for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of GI pipes, coupler, Union, jointing materials and required specials, cutting, threading, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.of Underground Utilities (GI Pipe) damaged during		
WD-W0964	15mm Dia GI Pipe	1RM	576.41
WD-W0965	20mm Dia GI Pipe	1RM	616.64
WD-W0966	25mm Dia GI Pipe	1RM	742.08
WD-W0967	32mm Dia GI Pipe	1RM	858.58
WD-W0968	40mm Dia GI Pipe	1RM	965.74
WD-W0969	50mm Dia GI Pipe	1RM	1191.98
WD-W0970	65mm Dia GI Pipe	1RM	1789.38
WD-W0971	80mm Dia GI Pipe	1RM	2142.72
WD-W0972	100mm Dia GI Pipe	1RM	2958.28
WD-W0973	125mm Dia GI Pipe	1RM	3932.82
2	Replacement of Underground Utilities (PVC Pipe) damaged during earthwork excavation for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of PVC pipes, couplers, jointing materials and required specials, cutting, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.		
WD-W0974	15mm Dia PVC Pipe (10 KSC)	1RM	318.91
WD-W0975	20mm Dia PVC Pipe (10 KSC)	1RM	328.88
WD-W0976	25mm Dia PVC Pipe (10 KSC)	1RM	349.87
WD-W0977	32mm Dia PVC Pipe (10 KSC)	1RM	375.65
WD-W0978	40mm Dia PVC Pipe (10 KSC)	1RM	421.1

WD-W0979	50mm Dia PVC Pipe (10KSC)	1RM	388.06
WD-W0980	63mm Dia PVC Pipe (10KSC)	1RM	443.19
WD-W0981	75mm Dia PVC Pipe (10KSC)	1RM	490.19
WD-W0982	90mm Dia PVC Pipe (10KSC)	1RM	592.33
WD-W0983	110mm Dia PVC Pipe (10KSC)	1RM	846.88
WD-W0984	140mm Dia PVC Pipe (10KSC)	1RM	1184.64
WD-W0985	160mm Dia PVC Pipe (10KSC)	1RM	1409.48
WD-W0986	180mm Dia PVC Pipe (10KSC)	1RM	1756.01
WD-W0987	200mm Dia PVC Pipe (10KSC)	1RM	2249.54
3	Replacement of Underground Utilities (PVC Pipe) damaged during earthwork excavation for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of PVC pipes, couplers, jointing materials and required specials, cutting, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.		
WD-W0988	50mm Dia PVC Pipe (6KSC)	1RM	350.99
WD-W0989	63mm Dia PVC Pipe (6KSC)	1RM	387.36
WD-W0990	75mm Dia PVC Pipe (6KSC)	1RM	425.33
WD-W0991	90mm Dia PVC Pipe (6KSC)	1RM	482.86
WD-W0992	110mm Dia PVC Pipe (6KSC)	1RM	659.28
WD-W0993	140mm Dia PVC Pipe (6KSC)	1RM	857.58
WD-W0994	160mm Dia PVC Pipe (6KSC)	1RM	1018.24
WD-W0995	180mm Dia PVC Pipe (6KSC)	1RM	1295.07
WD-W0996	200mm Dia PVC Pipe (6KSC)	1RM	1638.34

4	Replacement of Underground Utilities (PVC Pipe) damaged during earthwork excavation for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of PVC pipes, couplers, jointing materials and required specials, cutting, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.		
WD-W0997	63mm Dia PVC Pipe (4KSC )	1RM	360.43
WD-W0998	75mm Dia PVC Pipe (4KSC)	1RM	385.53
WD-W0999	90mm Dia PVC Pipe (4KSC)	1RM	424.03
WD-W1000	110mm Dia PVC Pipe (4KSC)	1RM	581.21
WD-W1001	140mm Dia PVC Pipe (4KSC)	1RM	714.58
WD-W1002	160mm Dia PVC Pipe (4KSC)	1RM	829.48
WD-W1003	180mm Dia PVC Pipe (4KSC)	1RM	1066.41
WD-W1004	200mm Dia PVC Pipe (4KSC)	1RM	1290.74
5	Replacement of Underground Utilities (AC Pipe) damaged during earthwork excavation for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with next available higher size PVC pipe, including supply and delivery of PVC pipes, couplers, jointing materials and required specials, cutting, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.		
WD-W1005	80mm Dia AC Pipe	1RM	786.21
WD-W1006	100mm Dia AC Pipe	1RM	1004.32
WD-W1007	125mm Dia AC Pipe	1RM	1406.83
6	Replacement of Underground Utilities (AC Pipe) damaged during Earthwork excavation for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting , removal of slushy soil and replacing the pipeline with sound DI s/s pipe, including supply and delivery of DI s/s pipes, D/S collars, jointing materials and required specials, cutting, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.		
WD-W1008	150mm Dia AC Pipe	1RM	3686.97
WD-W1009	200mm Dia AC Pipe	1RM	4562.93

WD-W1010	250mm Dia AC Pipe	1RM	5576.85
WD-W1011	300mm Dia AC Pipe	1RM	6665.25
WD-W1012	350mm Dia AC Pipe	1RM	7854.17
WD-W1013	400mm Dia AC Pipe	1RM	9192.62
7	Replacement of Underground Utilities (HDPE Pipes) damaged during Earthwork excavations for pipe laying works including cost of additional earthwork excavation in all soils, including BT cutting, CC roads , removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of HDPE pipes, couplers, jointing materials and required specials, cutting, threading, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.		
WD-W1014	50mm Dia HDPE Pipe	1RM	507.03
WD-W1015	63mm Dia HDPE Pipe	1RM	584.35
WD-W1016	75mm Dia HDPE Pipe	1RM	669.67
WD-W1017	90mm Dia HDPE Pipe	1RM	787.89
WD-W1018	110mm Dia HDPE Pipe	1RM	1064.47
WD-W1019	125mm Dia HDPE Pipe	1RM	1208.70
WD-W1020	140mm Dia HDPE Pipe	1RM	1371.52
WD-W1021	160mm Dia HDPE Pipe	1RM	1610.74
WD-W1022	200mm Dia HDPE Pipe	1RM	2214.64

**CHENNAI METROPOLITAN  
WATER SUPPLY AND  
SEWERAGE BOARD  
(CMWSSB)**

### Structure for Unique Item Codes

Item Code	Item Type
MW	Chennai Metropolitan Water Supply and Sewerage Board
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "MW-A1234" mentioned in the 'Unique Code' column in each sheet

**CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD**

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
<b>A - RATES OF LABOUR</b>			
MW-L0001	Watchman	Day	546.00
<b>B - RATES OF MATERIALS</b>			
	<b>Materials for Pipeline Works</b>		
MW-M0001	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class LA - 800mm dia	Metre	34505.00
MW-M0002	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class LA - 900mm dia	Metre	41773.00
MW-M0003	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class LA - 1000mm dia	Metre	49945.00
MW-M0004	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class A - 800mm dia	Metre	37551.00
MW-M0005	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class A - 900mm dia	Metre	45547.00
MW-M0006	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class A - 1000mm dia	Metre	54543.00
MW-M0007	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class B - 800mm dia	Metre	40524.00
MW-M0008	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class B - 900mm dia	Metre	49250.00
MW-M0009	C.I. spun pipes as per IS 1536/2001 IS 1536/2001 Class B - 1000mm dia	Metre	58851.00
MW-M0010	CI D/F SPECIALS & S/S SPECIALS AS PER IS 1538/1986 Standard (Socket fitting) 800 mm to 900 mm	kg	218.00
MW-M0011	CI D/F SPECIALS & S/S SPECIALS AS PER IS 1538/1986 Standard (Socket fitting) 1000 mm	kg	236.00
MW-M0012	CI D/F SPECIALS & S/S SPECIALS AS PER IS 1538/1986 Standard (Flange fitting) 800 mm to 1000 mm	kg	236.00
MW-M0013	Double Wall Corrugated (DWC) Structured Wall Polyethylene Piping Systems as per IS-16098 (Part-2) type B - PIPES FOR UGSS - as per IS-16098 (Part-2) type B - 400mm ID SN 8 pipeII QuarterII Quarter	Metre	1728.90
MW-M0014	Double Wall Corrugated (DWC) Structured Wall Polyethylene Piping Systems as per IS-16098 (Part-2) type B - PIPES FOR UGSS - as per IS-16098 (Part-2) type B - 500mm ID SN 8 pipeII QuarterII Quarter	Metre	2749.20
MW-M0015	Double Wall Corrugated (DWC) Structured Wall Polyethylene Piping Systems as per IS-16098 (Part-2) type B - PIPES FOR UGSS - as per IS-16098 (Part-2) type B - 600mm ID SN 8 pipeII QuarterII Quarter	Metre	4397.20

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0016	HDPE pipes for sewerage PE 100 PN 6 conforming to IS : 14333/1996 (amended in 2009) - 800 mm/ PN.6/HDPE Pipe 'ISI' (PE 100 Grade)II QuarterII Quarter	Metre	16720.10
MW-M0017	HDPE pipes for sewerage PE 100 PN 6 conforming to IS : 14333/1996 (amended in 2009) - 900 mm/ PN.6/HDPE Pipe 'ISI' (PE 100 Grade)II QuarterII Quarter	Metre	21159.60
MW-M0018	HDPE pipes for sewerage PE 100 PN 6 conforming to IS : 14333/1996 (amended in 2009) - 1000 mm/ PN.6/HDPE Pipe 'ISI' (PE 100 Grade)II QuarterII Quarter	Metre	26807.60
MW-M0019	Mechanical Joint Collars - 700mm	Each	52277.00
MW-M0020	Mechanical Joint Collars - 750mm	Each	63218.00
MW-M0021	Mechanical Joint Collars - 800mm	Each	109416.00
MW-M0022	Mechanical Joint Collars - 900mm	Each	125046.00
MW-M0023	Mechanical Joint Collars - 1000mm	Each	156309.00
MW-M0024	Supply of EPDM rubber gaskets- 80mm	Nos.	99.00
MW-M0025	Supply of EPDM rubber gaskets- 100mm	Nos.	115.00
MW-M0026	Supply of EPDM rubber gaskets- 125mm	Nos.	132.00
MW-M0027	Supply of EPDM rubber gaskets- 150mm	Nos.	162.00
MW-M0028	Supply of EPDM rubber gaskets- 200mm	Nos.	252.00
MW-M0029	Supply of EPDM rubber gaskets- 250mm	Nos.	358.00
MW-M0030	Supply of EPDM rubber gaskets- 300mm	Nos.	481.00
MW-M0031	Supply of EPDM rubber gaskets- 350mm	Nos.	548.00
MW-M0032	Supply of EPDM rubber gaskets- 400mm	Nos.	765.00
MW-M0033	Supply of EPDM rubber gaskets- 450mm	Nos.	850.00
MW-M0034	Supply of EPDM rubber gaskets- 500mm	Nos.	1117.00
MW-M0035	Supply of EPDM rubber gaskets- 600mm	Nos.	1453.00
MW-M0036	Supply of EPDM rubber gaskets- 700mm	Nos.	2067.00
MW-M0037	Supply of EPDM rubber gaskets- 750mm	Nos.	2423.00
MW-M0038	Supply of EPDM rubber gaskets- 800mm	Nos.	2651.00
MW-M0039	Supply of EPDM rubber gaskets- 900mm	Nos.	2907.00
MW-M0040	Supply of EPDM rubber gaskets- 1000mm	Nos.	3800.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
	<b>Sluice Gate, Foot Valve and Other Materials</b>		
MW-M0041	CI Sluice gate of Single Face (Class-I)- 200 x 200mm	Nos.	76484.00
MW-M0042	CI Sluice gate of Single Face (Class-I)- 250 x 250mm	Nos.	97341.00
MW-M0043	CI Sluice gate of Single Face (Class-I)- 300 x 300mm	Nos.	128631.00
MW-M0044	CI Sluice gate of Single Face (Class-I)- 350 x 350mm	Nos.	159918.00
MW-M0045	CI Sluice gate of Single Face (Class-I)- 400 x 400mm	Nos.	191209.00
MW-M0046	CI Sluice gate of Single Face (Class-I)- 450 x 450mm	Nos.	236399.00
MW-M0047	CI Sluice gate of Single Face (Class-I)- 500 x 500mm	Nos.	253781.00
MW-M0048	CI Sluice gate of Single Face (Class-I)- 600 x 600mm	Nos.	285072.00
MW-M0049	CI Sluice gate of Single Face (Class-I)- 700 x 700mm	Nos.	350777.00
MW-M0050	CI Sluice gate of Single Face (Class-I)- 750 x 750mm	Nos.	410222.00
MW-M0051	CI Sluice gate of Single Face (Class-I)- 800 x 800mm	Nos.	504089.00
MW-M0052	CI Sluice gate of Single Face (Class-I)- 900 x 900mm	Nos.	660530.00
MW-M0053	CI Sluice gate of Single Face (Class-I)- 1000 x 1000mm	Nos.	785682.00
MW-M0054	CI Sluice gate of Single Face (Class-I)- 1100 x 1100mm	Nos.	816971.00
MW-M0055	CI Sluice gate of Single Face (Class-I)- 1200 x 1200mm	Nos.	910836.00
MW-M0056	CI Sluice gate of Single Face (Class-I)- 1400 x 1400mm	Nos.	1129853.00
MW-M0057	CI Sluice gate of Single Face (Class-I)- 1500 x 1500mm	Nos.	1192431.00
MW-M0058	CI Sluice gate of Single Face (Class-I)- 1600 x 1600mm	Nos.	1467071.00
MW-M0059	Beveal gear	Nos.	25437.00
MW-M0060	Extension rod MS/EN 8	Rm	10901.00
MW-M0061	Extension rod SS-304	Rm	17443.00
MW-M0062	Extension rod SS-316	Rm	26165.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0063	CI foot valve as per IS 4038 with CI/MS Strainer -50mm	Nos.	4652.00
MW-M0064	CI foot valve as per IS 4038 with CI/MS Strainer -80mm	Nos.	6977.00
MW-M0065	CI foot valve as per IS 4038 with CI/MS Strainer -100mm	Nos.	9303.00
MW-M0066	CI foot valve as per IS 4038 with CI/MS Strainer -125mm	Nos.	11629.00
MW-M0067	CI foot valve as per IS 4038 with CI/MS Strainer -150mm	Nos.	14730.00
MW-M0068	CI foot valve as per IS 4038 with CI/MS Strainer -200mm	Nos.	27965.00
MW-M0069	CI foot valve as per IS 4038 with CI/MS Strainer -250mm	Nos.	40701.00
MW-M0070	CI foot valve as per IS 4038 with CI/MS Strainer -300mm	Nos.	49423.00
MW-M0071	CI foot valve as per IS 4038 with CI/MS Strainer -350mm	Nos.	75588.00
MW-M0072	CI foot valve as per IS 4038 with CI/MS Strainer -400mm	Nos.	102722.00
MW-M0073	CI foot valve as per IS 4038 with CI/MS Strainer -450mm	Nos.	132763.00
MW-M0074	CI foot valve as per IS 4038 with CI/MS Strainer -500mm	Nos.	149238.00
MW-M0075	CI foot valve as per IS 4038 with CI/MS Strainer -600mm	Nos.	186063.00
MW-M0076	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 4" Dia, 400mm width	Nos.	5832.00
MW-M0077	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 4" Dia, 600mm width	Nos.	9582.00
MW-M0078	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 4" Dia, 800mm width	Nos.	12776.00
MW-M0079	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 4" Dia, 1000mm width	Nos.	15971.00
MW-M0080	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 4" Dia, 1200mm width	Nos.	19164.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0081	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 6" Dia, 400mm width	Nos.	6893.00
MW-M0082	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 6" Dia, 600mm width	Nos.	11325.00
MW-M0083	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 6" Dia, 800mm width	Nos.	15099.00
MW-M0084	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 6" Dia, 1000mm width	Nos.	18874.00
MW-M0085	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 6" Dia, 1200mm width	Nos.	22648.00
MW-M0086	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 8" Dia, 400mm width	Nos.	8641.00
MW-M0087	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 8" Dia, 600mm width	Nos.	13394.00
MW-M0088	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 8" Dia, 800mm width	Nos.	17864.00
MW-M0089	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 8" Dia, 1000mm width	Nos.	22333.00
MW-M0090	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 8" Dia, 1200mm width	Nos.	26790.00
MW-M0091	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 10" Dia, 400mm width	Nos.	9412.00
MW-M0092	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 10" Dia, 600mm width	Nos.	15465.00
MW-M0093	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 10" Dia, 800mm width	Nos.	20616.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0094	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 10" Dia, 1000mm width	Nos.	25780.00
MW-M0095	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 10" Dia, 1200mm width	Nos.	30931.00
MW-M0096	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 12" Dia, 400mm width	Nos.	10074.00
MW-M0097	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 12" Dia, 600mm width	Nos.	16551.00
MW-M0098	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 12" Dia, 800mm width	Nos.	22068.00
MW-M0099	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 12" Dia, 1000mm width	Nos.	27585.00
MW-M0100	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 12" Dia, 1200mm width	Nos.	33103.00
MW-M0101	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 14" Dia, 400mm width	Nos.	11135.00
MW-M0102	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 14" Dia, 600mm width	Nos.	18293.00
MW-M0103	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 14" Dia, 800mm width	Nos.	24391.00
MW-M0104	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 14" Dia, 1000mm width	Nos.	30489.00
MW-M0105	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 14" Dia, 1200mm width	Nos.	36587.00
MW-M0106	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 16" Dia, 400mm width	Nos.	11866.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0107	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 16" Dia, 600mm width	Nos.	19492.00
MW-M0108	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 16" Dia, 800mm width	Nos.	25994.00
MW-M0109	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 16" Dia, 1000mm width	Nos.	32495.00
MW-M0110	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 16" Dia, 1200mm width	Nos.	38986.00
MW-M0111	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 18" Dia, 400mm width	Nos.	12925.00
MW-M0112	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 18" Dia, 600mm width	Nos.	21235.00
MW-M0113	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 18" Dia, 800mm width	Nos.	28317.00
MW-M0114	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 18" Dia, 1000mm width	Nos.	35400.00
MW-M0115	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 18" Dia, 1200mm width	Nos.	42470.00
MW-M0116	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 20" Dia, 400mm width	Nos.	14184.00
MW-M0117	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 20" Dia, 600mm width	Nos.	23306.00
MW-M0118	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 20" Dia, 800mm width	Nos.	31070.00
MW-M0119	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 20" Dia, 1000mm width	Nos.	38846.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0120	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Single section SS Clamp- 20" Dia, 1200mm width	Nos.	46610.00
MW-M0121	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 550nb, 600mm width	Nos.	27572.00
MW-M0122	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 550nb, 800mm width	Nos.	41814.00
MW-M0123	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 550nb, 1000mm width	Nos.	52266.00
MW-M0124	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 550nb, 1200mm width	Nos.	62719.00
MW-M0125	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 600nb, 600mm width	Nos.	33103.00
MW-M0126	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 600nb, 800mm width	Nos.	44136.00
MW-M0127	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 600nb, 1000mm width	Nos.	55170.00
MW-M0128	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 600nb, 1200mm width	Nos.	66204.00
MW-M0129	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 650nb, 600mm width	Nos.	34265.00
MW-M0130	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 650nb, 800mm width	Nos.	45739.00
MW-M0131	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 650nb, 1000mm width	Nos.	57139.00
MW-M0132	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 650nb, 1200mm width	Nos.	68527.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0133	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 700nb, 600mm width	Nos.	36006.00
MW-M0134	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 700nb, 800mm width	Nos.	48063.00
MW-M0135	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 700nb, 1000mm width	Nos.	60043.00
MW-M0136	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 700nb, 1200mm width	Nos.	72011.00
MW-M0137	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 750nb, 600mm width	Nos.	37168.00
MW-M0138	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 750nb, 800mm width	Nos.	49590.00
MW-M0139	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 750nb, 1000mm width	Nos.	62000.00
MW-M0140	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 750nb, 1200mm width	Nos.	74335.00
MW-M0141	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 800nb, 600mm width	Nos.	38480.00
MW-M0142	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 800nb, 800mm width	Nos.	51396.00
MW-M0143	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 800nb, 1000mm width	Nos.	64172.00
MW-M0144	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 800nb, 1200mm width	Nos.	76948.00
MW-M0145	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 850nb, 600mm width	Nos.	47911.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0146	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 850nb, 800mm width	Nos.	63881.00
MW-M0147	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 850nb, 1000mm width	Nos.	79852.00
MW-M0148	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 850nb, 1200mm width	Nos.	95822.00
MW-M0149	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 900nb, 600mm width	Nos.	49363.00
MW-M0150	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 900nb, 800mm width	Nos.	65850.00
MW-M0151	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 900nb, 1000mm width	Nos.	82326.00
MW-M0152	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 900nb, 1200mm width	Nos.	98726.00
MW-M0153	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1000nb, 600mm width	Nos.	54009.00
MW-M0154	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1000nb, 800mm width	Nos.	72011.00
MW-M0155	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1000nb, 1000mm width	Nos.	90015.00
MW-M0156	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1000nb, 1200mm width	Nos.	108017.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0157	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1100nb, 600mm width	Nos.	65333.00
MW-M0158	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1100nb, 800mm width	Nos.	87111.00
MW-M0159	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1100nb, 1000mm width	Nos.	108890.00
MW-M0160	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1100nb, 1200mm width	Nos.	130667.00
MW-M0161	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1200nb, 600mm width	Nos.	72592.00
MW-M0162	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1200nb, 800mm width	Nos.	96844.00
MW-M0163	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1200nb, 1000mm width	Nos.	121020.00
MW-M0164	Supply and delivery of Leak Arresting Flexible SS Clamps- Suitable for MS/CI/DI Pipes - Double section SS Clamp- 1200nb, 1200mm width	Nos.	145185.00
	<b>Materials for Electrical Items</b>		
MW-M0165	2 core 4 sq.mm Aluminium conductor PVC insulated LTUG cable	Metre	75.00
MW-M0166	3 core 2.5 sq.mm copper conductor PVC insulated LTUG cable	Metre	88.00
MW-M0167	Mild Steel Rolled Steel Joist Channel	kg	74.00
MW-M0168	Fire safety rules chart	Nos.	113.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0169	Caution / Danger Board	Nos.	98.00
MW-M0170	11KV substation equipments - Lightning Arrestor	Each	7416.00
MW-M0171	11KV substation equipments - gang operated AB switches	Each	32136.00
MW-M0172	11KV substation equipments - horn gap fuses	Each	7217.00
MW-M0173	DG 625 kVA with Standard Panel	Each	4136480.00
MW-M0174	DG 750 kVA with Standard Panel	Each	5919410.00
MW-M0175	DG 800 kVA with Standard Panel	Each	6513720.00
MW-M0176	DG 1000 kVA with Standard Panel	Each	7806370.00
MW-M0177	DG 320 kVA with AMF Panel	Each	2317500.00
MW-M0178	DG 380 kVA with AMF Panel	Each	3191970.00
MW-M0179	DG 400 kVA with AMF Panel	Each	4297160.00
MW-M0180	DG 500 kVA with AMF Panel	Each	4328060.00
MW-M0181	DG 625 kVA with AMF Panel	Each	4892500.00
MW-M0182	DG 750 kVA with AMF Panel	Each	5623800.00
MW-M0183	DG 800 kVA with AMF Panel	Each	6429260.00
MW-M0184	DG 1000 kVA with AMF Panel	Each	9893150.00
MW-M0185	Variable Frequency Drives (VFD) for motors 20HP - 50HP	Each	244011.00
MW-M0186	Variable Frequency Drives (VFD) for motors 50HP - 75HP	Each	305688.00
MW-M0187	Variable Frequency Drives (VFD) for motors 75HP - 100HP	Each	350551.00
MW-M0188	Variable Frequency Drives (VFD) for motors 100HP - 120HP	Each	398642.00
MW-M0189	Variable Frequency Drives (VFD) for motors 120HP - 125HP	Each	449090.00
MW-M0190	Variable Frequency Drives (VFD) for motors 125HP - 140HP	Each	449090.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0191	Variable Frequency Drives (VFD) for motors 140HP - 150HP	Each	506957.00
MW-M0192	Variable Frequency Drives (VFD) for motors 150HP - 175HP	Each	506957.00
MW-M0193	Variable Frequency Drives (VFD) for motors 175HP - 240HP	Each	626426.00
MW-M0194	Variable Frequency Drives (VFD) for motors 240HP - 250HP	Each	626426.00
MW-M0195	Variable Frequency Drives (VFD) for motors 250HP - 275HP	Each	676539.00
MW-M0196	Variable Frequency Drives (VFD) for motors 275HP - 280HP	Each	676539.00
MW-M0197	Variable Frequency Drives (VFD) for motors 280HP - 300HP	Each	701597.00
MW-M0198	Variable Frequency Drives (VFD) for motors 300HP - 320HP	Each	1655416.00
MW-M0199	Variable Frequency Drives (VFD) for motors 320HP - 350HP	Each	1655416.00
MW-M0200	Variable Frequency Drives (VFD) for motors 350HP - 430HP	Each	2356011.00
MW-M0201	Variable Frequency Drives (VFD) for motors 430HP - 500HP	Each	2743966.00
MW-M0202	Variable Frequency Drives (VFD) for motors 500HP - 630HP	Each	3029963.00
MW-M0203	Variable Frequency Drives (VFD) for motors 630HP - 700HP	Each	3292519.00
	<b>Chemicals</b>		
MW-M0204	Liquid Chlorine	MT	2400.00
MW-M0205	Bleaching Powder	MT	13200.00
MW-M0206	Alum	MT	9600.00
MW-M0207	Sodium Hypochlorite Solution	Lit	3.49
MW-M0208	Hydrated Lime	MT	10500.00
MW-M0209	Lime Stone Powder	MT	1322.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
	<b>Plumbing Materials</b>		
MW-M0210	Gun Metal Check Valve (15mm)	Nos.	214.00
MW-M0211	Gun Metal Check Valve (20mm)	Nos.	322.00
MW-M0212	Gun Metal Check Valve (25mm)	Nos.	439.00
MW-M0213	Gun Metal Check Valve (32mm)	Nos.	697.00
MW-M0214	Gun Metal Check Valve (40mm)	Nos.	857.00
MW-M0215	Gun Metal Check Valve (50mm)	Nos.	1243.00
MW-M0216	Gun Metal Wheel Valve (Heavy Duty) 50mm dia	Nos.	937.00
MW-M0217	15mm dia Gun Metal Gate Valve (Heavy Duty)	Nos.	294.00
MW-M0218	Gun Metal Foot Valve (15mm)	Nos.	142.00
MW-M0219	Gun Metal Foot Valve (20mm)	Nos.	222.00
MW-M0220	Gun Metal Foot Valve (25mm)	Nos.	258.00
MW-M0221	Gun Metal Foot Valve (32mm)	Nos.	391.00
MW-M0222	Gun Metal Foot Valve (40mm)	Nos.	522.00
MW-M0223	Gun Metal Foot Valve (50mm)	Nos.	655.00
MW-M0224	Ball valve (15mm) (Polypropylene with teflan seating)	Nos.	448.00
MW-M0225	Ball valve (20mm) (Polypropylene with teflan seating)	Nos.	606.00
MW-M0226	Ball valve (25mm) (Polypropylene with teflan seating)	Nos.	924.00
MW-M0227	Ball valve (32mm) (Polypropylene with teflan seating)	Nos.	1477.00
MW-M0228	Ball valve (40mm) (Polypropylene with teflan seating)	Nos.	2359.00
MW-M0229	Ball valve (50mm) (Polypropylene with teflan seating)	Nos.	3744.00
MW-M0230	Brass Chromium Plated Screw Down Tap 20mm dia (Heavy Type)	Nos.	342.00
MW-M0231	C.P. Flush cock (15mm)	Nos.	253.00
MW-M0232	C.P. Flush cock (20mm)	Nos.	289.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>2024-25 Rate</b>
MW-M0233	C.P. Flush cock (25mm)	Nos.	361.00
MW-M0234	Stop cock for HSC WSS works- 32mm (1")	Nos.	189.00
MW-M0235	Stop cock for HSC WSS works- 25mm (3/4")	Nos.	159.00
MW-M0236	Stop cock for HSC WSS works- 20mm (1/2")	Nos.	124.00
	<b>Miscellaneous Materials</b>		
MW-M0237	CI Steps	E	461.00
MW-M0238	Stainless steel (Grade SS304)	kg	268.00
MW-M0239	Stainless steel (Grade SS316)	kg	310.00
MW-M0240	Crude Oil	Lit.	33.00
MW-M0241	Reaper nails (40mm long)	kg	103.00
MW-M0242	Black Board paint	Lit.	307.00
MW-M0243	100mm dia. M.S Iron clamp	E	34.00
MW-M0244	Pad lock 75 cm long handle brass	Nos.	125.00
MW-M0245	Tin Oxide	kg	44.00
MW-M0246	Stoneware Stopper (100mm)	Nos.	71.00
MW-M0247	MS pipe 6m long, 150mm dia for Ventilating Columns with CI Base	Nos.	44780.00
MW-M0248	Hire charges for chain pulley block (upto 5 Tonne)	Day	976.00
MW-M0249	Bitumen	MT	50258.00
MW-M0250	Diesel Filling Pump (Hand operated )	No	937.00
MW-M0251	Measuring Dip Rod (MS) (for measuring 200 ltr. standard Barrel )	No	569.00

Unique Code	Description	Unit	2024-25 Rate
MW-M0252	Various sizes of galvanised MS bolts with nuts & washers used for foundations, flanged joints, electric panel works, etc.	kg	34.00
	<b>RATES OF WORKS</b>		
	<b>Topographical survey and GIS Mapping works</b>		
MW-W0001	<p><b>Establishment of Permanent Bench Mark</b></p> <p>The Permanent Bench Mark (PBM) shall be created by engraving point values in black granite plaque of minimum size 30cm x 25cm x 10cm and suitably fixed on a Concrete Pillar measuring 60cm x 30cm x 30cm, height, width and breadth dimension. 40cm of the pillar should be within the suitably formed platform and 20cm must be protruding outside. This would be treated as a permanent Benchmark with relative height with reference to MSL marked on it.</p>	Each	6471.00
MW-W0002	<p><b>Establishment of Static GCP</b></p> <p>The Contractor must obtain the existing permanent benchmark from CMWSSB which should be considered as the control point with known coordinates X,Y and Z. The Static GCP must be established from this PBM using Triangulation network method and frog and leap method for linear areas. The Contractor must strictly avoid Radial offset method. If the PBM is not available with CMWSSB within the Area of interest (AoI), the contractor must procure the nearby Survey of India, GTS Benchmark available to establish the Static GCP of the project location using the above- mentioned methods only. Survey consultant to ensure the closing error is within permissible limits (SOI Standards) while transferring the levels from nearest SOI GTS BM to the PBMs and the same to be presented as a report. The DGPS base line report network triangulation adjustment the raw data report and RINEX format, OEM original nativity format. (.dbx, .t04, .t02, .gns, .hen) must be submitte. The same process shall be adopted for random verification of geometric accuracy of points established using the PBMs as base.</p>	Each	4664.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0003	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance of less than 2 km</p>	km	23100.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0004	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For the Underground / Surface Assets along the roads for the distance above 2 km &amp; upto 5km</p>	km	19822.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0005	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance above 5 km &amp; upto 15 km</p>	km	17490.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0006	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance above 15 km &amp; upto 50 km</p>	km	15158.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0007	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For the Underground / Surface Assets along the roads for the distance above 50 km &amp; upto 100 km</p>	km	13992.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0008	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance above 100 km</p>	km	12826.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0009	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB and establishing TBMs for the project area as instructed by CMWSSB Engineer. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For discrete points of the Underground / Surface Assets not forming part of continuous survey on length basis.</p>	Each	440.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0010	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB <b>and establishing TBMs for the project area as instructed by CMWSSB Engineer.</b></p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For discrete points / lines / polygons of the Underground / Surface Assets in premises like WTP, STP, Filling Stations, etc.</p> <p>For Area upto 2 Acre</p>	Acre	19250.00
MW-W0011	Additional rate per acre or part thereof for Area above 2 Acre, over and above the base rate (of upto 2 Acrea).	Acre	8250.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0012	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For the Underground / Surface Assets along the roads for the distance of less than 2 km</p>	km	22154.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0013	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance above 2 km &amp; upto 5km</p>	km	18656.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0014	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For the Underground / Surface Assets along the roads for the distance above 5 km &amp; upto 15 km</p>	km	16324.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0015	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co- ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance above 15 km &amp; upto 50 km</p>	km	13992.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0016	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For the Underground / Surface Assets along the roads for the distance above 50 km &amp; upto 100 km</p>	km	12826.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0017	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For the Underground / Surface Assets along the roads for the distance above 100 km</p>	km	11660.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0018	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB. Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station. While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status. The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted. All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N). The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes. One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print. For discrete points of the Underground / Surface Assets not forming part of continuous survey on length basis.</p>	Each	462.00

Unique Code	Description	Unit	2024-25 Rate
MW-W0019	<p>As built survey for every sewage and water pipeline and other assets must be done using DGPS based RTK method by transferring the coordinates from the nearest Static GCP of CMWSSB.</p> <p>Where there are signal interruptions for the RTK method, Total Station can be used. The coordinates from the static GCP shall be transferred to the Total Station by RTK method and the co-ordinates of the assets can then be captured by Total Station.</p> <p>While surveying by RTK method, it shall be ensured that the values are captured by "fixed" status.</p> <p>The DGPS RTK survey report including "fixed" or "float" for the coordinates captured and horizontal &amp; vertical precision with raw data in OEM nativity file format like (.mdb, .jxl, .tet, etc) shall be submitted.</p> <p>All the features, attributes of all the assets, utilities captured shall be Geo referenced as per standard Coordinate reference system (WGS 84 UTM Zone 44N).</p> <p>The final base map with assets and utilities shall be furnished in (.shp) format. The geo referenced assets and utilities along with the attributes (as specified by the GIS Wing, CMWSSB) shall be converted into proper geo database (FGDB / PGDB) with the attributes.</p> <p>One set Hard and Soft Copy of all the CMWSSB assets and utility has to be prepared category wise network wise in A0 Print for verification in a print scale of 1:1000 in A0 plot, with standard legends in international and NUIS standards and should be legible and three sets of final Hard Copy in A0 print.</p> <p>For discrete points / lines / polygons of the Underground / Surface Assets in premises like WTP, STP, Filling Stations, etc.</p> <p>For Area upto 2 Acre</p>	Acre	16500.00
MW-W0020	Additional rate per acre or part thereof for Area above 2 Acre, over and above the base rate (of upto 2 Acrea).	Acre	8250.00

**TAMIL NADU URBAN HABITAT  
DEVELOPMENT BOARD  
(TNUHDB)**

### Structure for Unique Item Codes

Item Code	Item Type
UH	Tamil Nadu urban Habitat Development Board
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "UH-A1234" mentioned in the 'Unique Code' column in each sheet

**TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD**

Unique Code	Description of Work	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
	<b>RATES OF WORKS</b>		
UH-W0001	<p><b>Aluminium form work for Monolithic Construction</b></p> <p>Providing and fixing of customized Aluminium form work for monolithic construction on RCC members with repetitive usage made up of aluminium sheets/plates of minimum 4mm thickness and grade 6061 (Type-6). The formwork comprises of (a) wall panel, rocker, kicker and internal soffit corner, external soffit corner, external corner, internal corner etc., (b) beam components i.e, beam side panel, prop head for soffit beam, beams soffit panel, beam soffit bulk head and (c) deck components i.e. deck panel, deck prop, prop length, deck mid, soffit length, deck beam bar. The panels are held in position by a simple pin and wedge system that passes through holes in the out side rib of each panel. The tolerance of finished panel shall not be less than (-1 mm) and shall conform to IS 14987-1999. Pins and wedges to be made of high grade hot dipped galvanized mild steel. This form work also comprises of M.S. angle iron, "Z" shaped brackets braced diagonally at 0.90 to 1.00 metre centre to centre on external wall face just the level below on which to lay M.S. square tube panels (Challis) and guard railing supports to form working platform and 40 mm dia G.I./M.S. telescopic adjustable props to support deck formwork and beam soffit panels including de-shuttering the formwork from odd/even level to be shifted/lifted to next alternate odd/even level before which the points and shuttering surface to be thoroughly cleaned, pins greasing and shuttering surface oiling properly before fixing all complete including sealing of gap between kicker plates of wall panel and floors (if any) as per design of formwork as provided by shuttering supplier and as per direction of the Engineer-in-charge including filling and finishing the holes of varied sizes and shapes (left by keys/pins of aluminium form work shuttering while de- shuttering) with GP-2 cementitious polymer compound mixed with water in ratio prescribed by manufacturer to form consistent workable enough for pushing it in the holes upto full depth of wall using appropriate tools and finishing smooth all complete as per directions of the Engineer-in-charge.</p>	sqm.	358.50

**HINDU RELIGIOUS AND  
CHARITABLE ENDOWMENTS  
DEPARTMENT  
(HR & CE)**

### Structure for Unique Item Codes

<b>Item Code</b>	<b>Item Type</b>
HR	Hindu Religious and Charitable Endowments Department
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "HR-A1234" mentioned in the 'Unique Code' column in each sheet

## HINDU RELIGIOUS AND CHARITABLE ENDOWMENTS DEPARTMENT

Unique Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
<b>I</b>	<b>RATES OF LABOUR</b>		
<b>A</b>	<b>Ornamental Brick Work</b>		
HR-L0001	Sthapathy-I Class (Marking) <b>(Highly Skilled)</b>	Day	1840.00
HR-L0002	Silpi-I Class <b>(Skilled)</b>	Day	1549.00
HR-L0003	Silpi-II Class <b>(Semi-Skilled)</b>	Day	1414.00
HR-L0004	Assistant Silpi <b>(Semi-Skilled)</b>	Day	1009.00
<b>B</b>	<b>Panchavarnam Work</b>		
HR-L0005	Artist Painter-I Class <b>(Highly Skilled)</b>	Day	1378.00
HR-L0006	Artist Painter-II Class <b>(Skilled)</b>	Day	1162.00
HR-L0007	Assistant Painter <b>(Semi-Skilled)</b>	Day	727.00
<b>C</b>	<b>Sudhai Work</b>		
HR-L0008	Silpi for Vighram <b>(Highly Skilled)</b>	Day	1840.00
HR-L0009	Silpi for Ornamental Varagam <b>(Skilled)</b>	Day	1549.00
<b>D</b>	<b>Wood Work</b>		
HR-L0010	Vighraha Sthapathy <b>(Highly Skilled)</b>	Day	1840.00
HR-L0011	Sthapathy-I Class <b>(Highly Skilled)</b>	Day	1840.00
HR-L0012	Sthapathy-II Class <b>(Highly Skilled)</b>	Day	1563.00
HR-L0013	Silpi-I Class <b>(Skilled)</b>	Day	1549.00
HR-L0014	Silpi-II Class <b>(Semi-Skilled)</b>	Day	1414.00
HR-L0015	Sthapathy Assistant <b>(Semi-Skilled)</b>	Day	1414.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate 2024-2025</b>
<b>E</b>	<b>Ornamental Stone Work</b>		
HR-L0016	Sthapathy-I Class (Marking) <b>(Highly Skilled)</b>	Day	1840.00
HR-L0017	Sthapathy-II Class (Supervisor Sthapathy) <b>(Highly Skilled)</b>	Day	1646.00
HR-L0018	Silpi-I Class <b>(Skilled)</b>	Day	1549.00
HR-L0019	Silpi-II Class <b>(Semi-Skilled)</b>	Day	1414.00
HR-L0020	Smith-I Class <b>(Skilled)</b>	Day	1549.00
HR-L0021	Smith-II Class <b>(Semi-Skilled)</b>	Day	1414.00
HR-L0022	Assistant Silpi <b>(Semi-Skilled)</b>	Day	1009.00
HR-L0023	Chithravanam	sft.	679.00
<b>F</b>	<b>Ubabeedam</b>		
HR-L0024	Ubabeedam Pathma jagathi, athirstanam	sft.	1448.00
HR-L0025	Ubabeedam - kadam	sft.	825.00
HR-L0026	Ubabeedam - kabothagam	sft.	1403.00
<b>G</b>	<b>Adhirstanam</b>		
HR-L0027	Jagathi vari	sft.	1430.00
HR-L0028	Kumuthaga vari	sft.	1572.00
HR-L0029	Kadam, Pattial	sft.	1510.00
<b>H</b>	<b>Sthamabam</b>		
HR-L0030	Asuvapatham, Sthamabam	sft.	1649.00
HR-L0031	Kal vari, kalsam, thaddi vari	sft.	1922.00
HR-L0032	Palakai kudam vari	sft.	2430.00
HR-L0033	Veerakadam pothigai vari	sft.	2590.00
HR-L0034	Uthiram - prastiram, kambu, Eluthagam	sft.	1615.00
HR-L0035	Kapothagam	sft.	1622.00
HR-L0036	Nasi thalai	sft.	3105.00
HR-L0037	Viyalavari	sft.	1444.00
HR-L0038	Koodu	sft.	2056.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate 2024-2025</b>
HR-L0039	Inner - (Ulvari)	sft.	391.00
HR-L0040	Pavukkal	sft.	466.00
HR-L0041	Nilaikaal (Nagabandham poo)	sft.	1185.00
HR-L0042	3 Nilaikaal (Nagabandham poo, kodikarukku)	sft.	1623.00
HR-L0043	Thoon - Pillar	sft.	1649.00
HR-L0044	5 Thani Pothiyal	sft.	1587.00
HR-L0045	5 Thani Uthiram	sft.	1410.00
<b>I</b>	<b>For cut stone flooring</b>		
HR-L0046	B Dressing one line	sft.	80.00
HR-L0047	Dressing three line	sft.	329.00
HR-L0048	Kodungai (Take in Kabothaga Vari)	sft.	3540.00
<b>II</b>	<b>RATES OF MATERIALS</b>		
1	Supply of high quality Burma Teakwood meant for the purpose of making the following items		
HR-M0001	Temple Pattern Ornamental Doors with high quality Burma Teakwood with 2" minimum to 7" maximum thick ornamental frames, 2" thick to 5" thick Kamala (Flower Planks), Creeper, Birds, Animal Figures, Sculptures, etc. Backside 1" thick to 3" plank including necessary carving, shaping, wastage, etc., as per approved plan and design.	cum.	309800.00
HR-M0002	Temple Chariot Ornamental Works consisting of Architectural Embellishments like, Peetas, Padmas, Pillars, Pilasters, Bodhikas, Kapotams, Koodu, Sikaram and other Ornamental Cornice works and also necessary Creepers, Kamalams, Animal, Bird Figures and Sculptures.	cum.	324800.00
HR-M0003	Kodimaram (Dwajasthambam) Stem 9" to 18" dia upto 30 feet height.	cum.	339800.00
2	Supply of Teakwood for making the following items		
HR-M0004	Temple Pattern Ornamental Doors with high quality teakwood (country) with 2" minimum to 7" maximum thick Ornamental Frames, 2" thick to 5" thick Kamala (Flower Planks), Creeper, Birds, Animal Figures, Sculptures, etc. Backside 1" thick to 3" plank including necessary carving, shaping, wastage, etc., as per approved plan and design.	cum.	199000.00
HR-M0005	Temple Chariot Beams, Temple Wooden Uttarams with minimum 9" thick to 18".	cum.	213021.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate 2024-2025</b>
HR-M0006	Kodimaram (Dwajasthambam) Stem 9" to 18" dia upto 30 feet height.	cum.	213021.00
3	Supply of Country Wood for making the following items using Vengai Wood		
HR-M0007	Temple Pattern Ornamental Doors with high quality Country Wood with 2" minimum to 7" maximum thick Ornamental Frames, 2" thick to 5" thick Kamala (Flower Planks), Creeper, Birds, Animal Figures, Sculptures, etc. Backside 1" thick to 3" plank including necessary carving, shaping, wastage, etc., as per approved plan and design.	cum.	120700.00
HR-M0008	Kodimaram / Dwajasthambam stem 9" to 18" dia upto 30 feet height.	cum.	135700.00
HR-M0009	Temple Chariot Beams, Temple Wooden Uttarams with minimum 9" thick.	cum.	150700.00
4	Supply of Country Wood for making the following items using Illuppai Wood.		
HR-M0010	Temple Chariot Beams, Temple Wooden Uttarams with minimum 9" to 18" thick.	cum.	95270.00
5	Supply of Country Wood for making the following items using Atthi Wood. Temple God and Goddess Vahanams of required shape and size with ornamental features.		
HR-M0011	Scantling upto 40cm dia	cum.	31500.00
HR-M0012	Scantling upto 40cm dia	cum.	45348.00
HR-M0013	<b>6.</b> Supply of Country Wood for Temple wood work plank 9" to 15" width and frames upto 6" thick.	cum.	45348.00
7	Supply of Country Wood for making the following items using Mavili Wood upto 40cm dia.		
HR-M0014	Temple God and Goddess Vahanams of required shape and size with ornamental features.	cum.	45348.00
8	Cut Stone		
HR-M0015	Cost at Quarry for cut stone slabs of size 60cmx60cm and not less than 10cm thick	sqm.	2830.00
HR-M0016	Cost at Quarry for cut stone blocks of length upto 5 feet (1'x1'x5')	cum.	18680.00

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate 2024-2025</b>
HR-M0017	Cost at Quarry for cut stone blocks of length above 5 feet and upto 10 feet (1 <sup>1/2</sup> 'x 1 <sup>1/2</sup> 'x10')	cum.	22920.00
HR-M0018	Cost at Quarry for cut stone blocks of length above 10 feet and upto 14 feet (2'x2'x14')	cum.	31880.00
<b>III</b>	<b>RATES OF WORKS</b>		
1	Scaffolding charges for Vimanams and Gopurams with casurina posts coconut or palm trees wherever necessary for main, form work and providing with net lawn / PVC mesh coverings, providing ladder arrangements, country wood plank for working, inspection etc. complete, hire charges only for erection, maintenance and removing the same on completion of the work.		
HR-W0001	Vimanam / Gopuram upto 15' - 0' height	sqm.	282.00
HR-W0002	Vimanam / Gopuram upto 25' - 0' height	sqm.	378.00
HR-W0003	Gopurams upto 50' - 0' height	sqm.	483.00
HR-W0004	Gopurams upto 75' - 0' height	sqm.	605.00
HR-W0005	Gopurams upto 100' - 0' height	sqm.	726.00
HR-W0006	Gopurams upto 150' - 0' height	sqm.	888.00
HR-W0007	<b>Labour Charges for Old Stone Removing:</b> Chitravanam, Padma Jagati, Adhistanam, Kandam, Pattiyal, Jagati, Kumudagam, Aswapadam, Sthamaba, Sthambam, Kalasam, Thadi, Kudam, Palagai, Veerakandam, Bodhiyal, Uthiram, Kambu, Eludham, Kabothagam, Viyalam, Koodu, Ull Vari, Pavukkal, Thun, Flooring, Nilaikal, Bodhiyal Thani, Uthiram.	sqm.	1732.00
HR-W0008	<b>Labour Charges for Old Stone Removing:</b> Thanithun, Uthiram, Bodhiyal.	cum.	5685.00
HR-W0009	<b>Labour Charges for Old Stone Fixing:</b> Chitravanam, Padma Jagati, Adhistanam, Kandam, Pattiyal, Jagati, Kumudagam.	sqm.	2600.00
HR-W0010	<b>Labour Charges for Old Stone Removing:</b> Aswapadam, Sthamaba, Sthambam, Kalasam, Thadi, Kudam, Palagai, Veerakandam, Bodhiyal, Uthiram, Kambu, Eludham, Kabothagam, Viyalam, Koodu, Ull Vari, Pavukkal, Thun, Flooring, Nilaikal, Bodhiyal Thani, Uthiram.	sqm.	3467.00

**NOTE:**

1. The Basic Rate adopted under this Head is exclusive of all taxes and GST.

**TAMIL NADU  
HORTICULTURE  
DEVELOPMENT AGENCY**

### Structure for Unique Item Codes

Item Code	Item Type
HC	Tamil Nadu Horticulture Development Agency
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "HC-A1234" mentioned in the 'Unique Code' column in each sheet

Unique Code	Description	Unit	Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)
<b>RATES OF WORK</b>			
HC-W0001	Supply and planting of <i>Araucaria heterophyllum</i> ornamental foliage tree of height 180-210cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	1950
HC-W0002	Supply and planting of <i>Ceiba speciosa</i> ornamental foliage tree of height 180-210cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	1930
HC-W0003	Supply and planting of <i>Clusia rosea</i> ornamental foliage tree of height 150-180cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	2450
HC-W0004	Supply and planting of <i>Feliciumdecipens</i> ornamental foliage tree of height 150-180cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	2050
HC-W0005	Supply and planting of <i>Guaiacum officinale</i> ornamental foliage tree of height 120-150cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	4550

Unique Code	Description	Unit	Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)
HC-W0006	Supply and planting of <i>Muntingiacalabura</i> ornamental foliage tree of height 240-250cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	1150
HC-W0007	Supply and planting of <i>Washingtoniafilifera</i> ornamental foliage palm of height 120-150cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	2050
HC-W0008	Supply and planting of <i>Leucophyllumfruitescens</i> ornamental specimen plant of height 90-120cm in polythene bag of size 21×21 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	2050
HC-W0009	Supply and planting of <i>Cassia alata</i> ornamental foliage tree of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	205
HC-W0010	Supply and planting of <i>Bougainvillea dwarf</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	105
HC-W0011	Supply and planting of <i>Acalypha</i> dwarf red ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	65

Unique Code	Description	Unit	Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)
HC-W0012	Supply and planting of <i>Burnfeisia pauciflora</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	200
HC-W0013	Supply and planting of <i>Rhoeodiscolor</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	65
HC-W0014	Supply and planting of <i>Rhoeotricolor</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	67
HC-W0015	Supply and planting of <i>Dracaena warneckii</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	140
HC-W0016	Supply and planting of <i>Leucophyllum fruitescens</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	80
HC-W0017	Supply and planting of <i>Spathiphyllum</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	140

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0018	Supply and planting of <i>Loropetalum chinense</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	100
HC-W0019	Supply and planting of <i>Ixora</i> semi dwarf ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	100
HC-W0020	Supply and planting of <i>Calathea</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	140
HC-W0021	Supply and planting of <i>Metrosideros</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	270
HC-W0022	Supply and planting of <i>Cordyline</i> ornamental foliage shrub of height 30-45cm in polythene bag of size 7×8 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site-in-charge.	Each	100
HC-W0023	Supply and planting of <i>Dracaena sanderiana</i> ornamental plant of 2 tiers	Each	200
HC-W0024	Supply and planting of <i>Dracaena sanderiana</i> ornamental plant of 3 tiers	Each	275

<b>Unique Code</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
	<b>RATES OF MATERIAL</b>		
HC-M0001	Supply of River Pebbles including cost of transportation	Per Kg	40
HC-M0002	Supply of White Pebbles including cost of transportation	Per Kg	55
HC-M0003	Supply of Gravel including cost of transportation	Per Kg	40
HC-M0004	Supply of Grade A Neem Cake including cost of transportation	Per Kg	90
HC-M0005	Supply of Drain cell 20mm including cost of transportation	Per Kg	50
HC-M0006	Supply of Drain cell 30mm including cost of transportation	Per Kg	60
HC-M0007	Supply of Geo Textile sheet including cost of transportation	Per Sqm	50
HC-M0008	Supply of Geo Textile sheet including cost of transportation	Per Sqm	60
HC-M0009	Supply of 11 cm Valencia pots including cost of transportation	Each	50
HC-M0010	Supply of 14 cm Valencia pots including cost of transportation	Each	80
HC-M0011	Supply of 16 cm Valencia pots including cost of transportation	Each	110
HC-M0012	Supply of 20 cm Valencia pots including cost of transportation	Each	180
HC-M0013	Supply of 25 cm Valencia pots including cost of transportation	Each	280
HC-M0014	Supply of 30 cm Valencia pots on wheels including cost of transportation	Each	770
HC-M0015	Supply of 35 cm Valencia pots on wheels including cost of transportation	Each	935
HC-M0016	Supply of Vermicompost in powder form, devoid of impurities and other materials, nutrient dense and which supports plant growth including cost of transportation	Per Kg	22

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
<b>RATES OF MATERIAL</b>				
HC-M0017	PD-1614	Casurina poles 8cm - 10 cm dia	RM	19.20
HC-M0018	PD-1615	Casurina poles 5cm - 8cm dia	RM	17.50
HC-M0019	PD-1616	Casurina poles Bullies 4 cm - 5 cm dia & cross ties	RM	13.50
HC-M0020	PD-1617	Eucallyptus poles 5cm - 8cm dia	RM	16.40
HC-M0021	PD-1618	Eucallyptus poles less than 5cm dia	RM	15.00
<b>RATES OF WORKS</b>				
HC-W0025	PD-1608	Earth work excavation for foundation in all kinds soils in varying depths (Digging of new trenches for hedge / edge planting, digging and removal of excavated earth from site complete)	1 cu.m	260.79
HC-W0026	PD-1609	Supply & stacking of red earth at site to the departmental guage for pre-measurements which is of light textured, crystalline, porous and friable and not of generally acidic or neutral but not of alkaline and should be fertile, including seignior age charges, cost of transportation, loading, unloading, stacking and inclusive of all taxes etc., complete.	Cu.m	3750.00
HC-W0027	PD-1610	Supply of well decomposed Farm yard Manure in a powdery form, devoid of soil sand, stones, plastics and other materials, highly nutrient and which supports plant growth.	Cu.m	2400.00
HC-W0028	PD-1611	"Mixing charges of Red soil, sand and manure uniformly (1:1:1) for Preparation of soil mixture (excluding material cost)"	Cu.m	116.00
HC-W0029	PD-1612	Spreading of red soil, gravel or sand including watering and rolling which hand roller for every 75 mm thickness - including hire charges of roller.	Cu.m	41.12
HC-W0030	PD-1613	Supply of Coir Pith including cost of transportation, loading, unloading, stacking etc., complete.	1 Kg	10.00

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HC-W0031	PD-1619	Supply and stacking of pit sand / earth filling sand at site to the departmental gauge for pre-measurements obtained from sand deposits and should clean without solid particles	Cu.m.	486.70
HC-W0032	PD-1620	Maintenance of shades grass / carpet grass / G2 grass by regular watering, weeding, protection, mowing etc for a period of One month	1 Sq.m/ Month	9.02
HC-W0033	PD-1621	Maintenance of shrubs, other ornamental foliage, foliage planting and Trees planting including watering, weeding, application of fertilizers and pesticides, trimming etc for One month	1 Sq.m/ Month	9.02
HC-W0034	PD-1622	Planting of Acalypha varieties ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	54.00
HC-W0035	PD-1623	Planting of African grass ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	48.00
HC-W0036	PD-1624	Planting of Aglaonema ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	111.00
HC-W0037	PD-1625	"Planting of Allamanda dwarf foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	50.00

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HC-W0038	PD-1626	Planting of Aphelandra - Zebra Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	89.00
HC-W0039	PD-1627	"Planting of Aralia ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	55.00
HC-W0040	PD-1628	Planting of Asparagus myuri ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	64.00
HC-W0041	PD-1629	Planting of Asparagus springeri ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	171.00
HC-W0042	PD-1630	Planting of Alpinia Purpurata variegated ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	90.00
HC-W0043	PD-1631	Planting of Angelonia ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	45.00

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HC-W0044	PD-1632	"Planting of Alocasia ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	75.00
HC-W0045	PD-1633	Planting of Bamboo grass ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	50.00
HC-W0046	PD-1634	Planting of Bougainvillea hybrid foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	214.00
HC-W0047	PD-1635	Planting of Bougainvillea foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	86.00
HC-W0048	PD-1636	Planting of Bougainvillea assorted (Multicolour) foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	101.00
HC-W0049	PD-1637	Planting of Caesalpinia pulcherrima foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	55.00

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HC-W0050	PD-1638	Planting of Caladium kinds ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	76.00
HC-W0051	PD-1639	Planting of Canna indica varigated Plant foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	65.00
HC-W0052	PD-1640	Planting of Clerodendron green / variegated Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	35.00
HC-W0053	PD-1641	Planting of Coleus Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	41.00
HC-W0054	PD-1642	Planting of Crotons - Codiaeum variegatum ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	70.00
HC-W0055	PD-1643	Planting of Cyprus Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	86.00

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HC-W0056	PD-1644	Planting of Dieffenbachia varieties ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	186.00
HC-W0057	PD-1645	Planting of Dracena babydoll ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	116.70
HC-W0058	PD-1646	Planting of Dracena chlorama ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	121.00
HC-W0059	PD-1647	Planting of Dracena mahatma ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	105.00
HC-W0060	PD-1648	Planting of Dracena marginata ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	100.00
HC-W0061	PD-1649	Planting of Dracena Song of India ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	55.00

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HC-W0062	PD-1650	Planting of Duranta new gold Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0063	PD-1651	Planting of Dracaena Victoria Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	110.00
HC-W0064	PD-1652	Planting of Dillenia Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	45.00
HC-W0065	PD-1653	Planting of Eranthemum varites ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	46.00
HC-W0066	PD-1654	"Planting of Euphorbia milli foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	126.00
HC-W0067	PD-1655	Planting of Euphorbia splendens foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	70.00

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HC-W0068	PD-1656	Planting of Ficus black ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	56.00
HC-W0069	PD-1657	Planting of Ficus ponda ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	58.00
HC-W0070	PD-1658	Planting of Ficus starlight ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	90.70
HC-W0071	PD-1659	"Planting of Galphimia Plant foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	70.00
HC-W0072	PD-1660	Planting of Graptophyllum pictum varieties ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	54.00
HC-W0073	PD-1661	Planting of Heliconium foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	76.00

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HC-W0074	PD-1662	"Planting of Hemelia pattens foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	56.00
HC-W0075	PD-1663	"Planting of Hibiscus hawai foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	112.00
HC-W0076	PD-1664	"Planting of Hibiscus hybrid foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	102.00
HC-W0077	PD-1665	Planting of Ireseine herbstil ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	48.00
HC-W0078	PD-1666	Planting of Ixora dwarf varieties foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	74.00
HC-W0079	PD-1667	Planting of Ixora hybrid foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	74.00

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HC-W0080	PD-1668	Planting of Ixora ordinary foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	64.00
HC-W0081	PD-1669	Planting of Jasmine Plant foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	47.00
HC-W0082	PD-1670	Planting of Jetropha Plant foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	60.00
HC-W0083	PD-1671	Planting of Lavender Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	58.00
HC-W0084	PD-1672	Planting of Leo cocksensia ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	125.40
HC-W0085	PD-1673	Planting of Lilly foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	59.00

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HC-W0086	PD-1674	Planting of Lilly – Zephyranthus lilly (Rain lilly)shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	36.00
HC-W0087	PD-1675	Planting of Lilly - Hymenocallis Lilly (Spider liiy) shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	55.00
HC-W0088	PD-1676	"Planting of Lilly - Hippeastrum Lilly shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge."	Each	55.00
HC-W0089	PD-1677	Planting of Lotus hybrid foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	713.10
HC-W0090	PD-1678	"Planting of Manoranjitham foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge."	Each	275.00
HC-W0091	PD-1679	Planting of Meinia erecta foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	48.00

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HC-W0092	PD-1680	"Planting of <i>Murraya exotica</i> foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	48.00
HC-W0093	PD-1681	"Planting of <i>Nerium oleander</i> foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	61.00
HC-W0094	PD-1682	Planting of <i>Nerium oleander</i> dwarf foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	72.00
HC-W0095	PD-1683	Planting of <i>Pandanus</i> ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	65.00
HC-W0096	PD-1684	Planting of <i>Pachystachys lutea</i> -Lollipop plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	73.00
HC-W0097	PD-1685	Planting of <i>Parijatham</i> - <i>Nycatanthus arbortristis</i> ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	54.00

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HC-W0098	PD-1686	Planting of Pedilanthus ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	40.00
HC-W0099	PD-1687	Planting of Phyllodendron varieties ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	217.00
HC-W0100	PD-1688	"Planting of Pisonia ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	111.60
HC-W0101	PD-1689	Planting of Plumbago foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	55.00
HC-W0102	PD-1690	"Planting of Purple Fountain Grass – Pennisetum setaceum 'Cupreum' foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	48.00
HC-W0103	PD-1691	Planting of Rose (Edward rose / Paneer rose) foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	55.00

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HC-W0104	PD-1692	Planting of Rukkalia foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	48.00
HC-W0105	PD-1693	Planting of Russelia foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	48.00
HC-W0106	PD-1694	Planting of Schefflera varied ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	83.00
HC-W0107	PD-1695	Planting of Syzygium myrtifolium Plant ornamental foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	49.00
HC-W0108	PD-1696	"Planting of Tabernum dwarf foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	56.00
HC-W0109	PD-1697	"Planting of Tabernum green foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	64.00

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HC-W0110	PD-1698	Planting of Tabernum varigated foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	74.00
HC-W0111	PD-1699	Planting of Tecoma goudi choudi foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	60.00
HC-W0112	PD-1700	"Planting of Tecoma capensis foliage shrub variety of height 30-45 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	64.00
HC-W0113	PD-1701	Planting of Adena calama foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	54.00
HC-W0114	PD-1702	Planting of Allamanda foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	62.00
HC-W0115	PD-1703	Planting of Bluebell foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	54.00

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HC-W0116	PD-1704	Planting of Clerodendrum thomsoniae foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	114.00
HC-W0117	PD-1705	Planting of Ficus pumila (wall sticker/ creeper) foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	105.00
HC-W0118	PD-1706	Planting of Garlic vine - Mansoa alliacea/ Psuedocalymma alliacaum foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	93.00
HC-W0119	PD-1707	Planting of Ivy (Hydera) ornamental foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	44.00
HC-W0120	PD-1708	Planting of Jasmin grandiflourm foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	54.00
HC-W0121	PD-1709	Planting of Passiflora edulis foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	49.00

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HC-W0122	PD-1710	Planting of Pothas foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	51.00
HC-W0123	PD-1711	Planting of Rangoon foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	69.00
HC-W0124	PD-1712	Planting of Thumbergia foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	111.00
HC-W0125	PD-1713	Planting of Vernonia foliage creeper variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	35.00
HC-W0126	PD-1714	Planting of Aerva ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	33.00
HC-W0127	PD-1715	Planting of Alternanthera varigated ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	40.00

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HC-W0128	PD-1716	Planting of Chlorophytum ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	56.00
HC-W0129	PD-1717	Planting of Hemigraphis ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	62.00
HC-W0130	PD-1718	Planting of Ipomea ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	47.00
HC-W0131	PD-1719	Planting of Lantana foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	36.00
HC-W0132	PD-1720	Planting of Ophiopogon ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	64.00
HC-W0133	PD-1721	Planting of Portulaca ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	33.00

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HC-W0134	PD-1722	Planting of Syngonium foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	77.00
HC-W0135	PD-1723	Planting of Tradescantia ornamental foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	55.00
HC-W0136	PD-1724	Planting of Verbena foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	41.00
HC-W0137	PD-1725	Planting of Wedelia trilobata foliage Ground cover variety in Polythene bag of size 6x7 inch the rate including loading and unloading charges, transportation, stacking of sapling at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	47.00
HC-W0138	PD-1726	Planting of Adenium Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	484.00
HC-W0139	PD-1727	Planting of Bottle brush gold foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	302.50

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HC-W0140	PD-1728	"Planting of Bougainvillea Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	350.00
HC-W0141	PD-1729	Planting of Cautus Varieties foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	726.00
HC-W0142	PD-1730	"Planting of Calliandra foliage Specimen plant variety of height 105- 120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge"	Each	825.00
HC-W0143	PD-1731	Planting of Cycus revoluta 21- 30 Leaves ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	2420.00
HC-W0144	PD-1732	Planting of Dendrolobium Umbellatum (Golden Horse Bush) Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	750.00
HC-W0145	PD-1733	"Planting of Eugenia uniflora Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	750.00

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HC-W0146	PD-1734	Planting of Ficus starlight ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	2233.00
HC-W0147	PD-1735	Planting of Ficus benjamina green ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1254.00
HC-W0148	PD-1736	Planting of Ficus panda ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	475.00
HC-W0149	PD-1737	Planting of Ficus benjamina varigated ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1254.00
HC-W0150	PD-1738	Planting of Furcarea ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	511.00
HC-W0151	PD-1739	Planting of Ixora dwarf foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	200.00

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HC-W0152	PD-1740	"Planting of Ixora foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	150.00
HC-W0153	PD-1741	Planting of Juniperous ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	502.00
HC-W0154	PD-1742	Planting of Mussanda ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	255.00
HC-W0155	PD-1743	Planting of Nolinum ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	462.00
HC-W0156	PD-1744	Planting of Poinsetia ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	474.00
HC-W0157	PD-1745	Planting of Plumaria Dwarf ornamental foliage Specimen plant variety of height 105- 120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	495.00

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HC-W0158	PD-1746	"Planting of Terminalia Metalica ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	3795.00
HC-W0159	PD-1747	Planting of Terminalia Metalica green ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1560.00
HC-W0160	PD-1748	Planting of Thuja ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	375.00
HC-W0161	PD-1749	Planting of Travellers palm ornamental foliage Specimen plant variety of height 105-120 cm in polythene bag of size 16x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1071.00
HC-W0162	PD-1750	"Supplying and Planting of Bismarckia palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5cm dia casurina pole of 10' height including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	4481.00

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HC-W0163	PD-1751	"Supplying and Planting of Caryota palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	1278.00
HC-W0164	PD-1752	Supplying and Planting of Cyrtostachys renda (Red Lipstick palm) palm variety of height 180-210 cm in polythene bag of size 16x16 inch, including supporting stack of 5cm dia casurina pole of 10' height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	2109.00
HC-W0165	PD-1753	Supplying and Planting of Dypsis lutescens (Areca palm) palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	583.00
HC-W0166	PD-1754	"Supplying and Planting of Kentia palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5cm dia casurina pole of 10' height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	842.80
HC-W0167	PD-1755	Supplying and Planting of Livistona rotundifolia palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5cm dia casurina pole of 10' height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	930.10

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HC-W0168	PD-1756	"Supplying and Planting of Pichardia palms variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5cm dia casurina pole of 10' height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	930.10
HC-W0169	PD-1757	"Supplying and Planting of Raphis palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5cm dia casurina pole of 10' height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	930.10
HC-W0170	PD-1758	Supplying and Planting of Roystonea regia (Royal palms) palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1555.90
HC-W0171	PD-1759	Supplying and Planting of Seaforthia elegans palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1488.30
HC-W0172	PD-1760	Supplying and Planting of Witchie meril gold palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	2600.00

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HC-W0173	PD-1761	Supplying and Planting of Witchie meril green palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1488.30
HC-W0174	PD-1762	"Supplying and Planting of Wodyetia bifurcata (Foxtail palms) palm variety of height 180-210 cm in polythene bag of size 16x16 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	980.00
HC-W0175	PD-1763	Planting of Aloevera Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	59.00
HC-W0176	PD-1764	Planting of Avaram Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0177	PD-1765	Planting of Insulin Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	98.00

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HC-W0178	PD-1766	"Planting of Karisalankanni Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	65.00
HC-W0179	PD-1767	Planting of Karpuravalli Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0180	PD-1768	Planting of Karuveppillai Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0181	PD-1769	Planting of Lemon grass Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	59.00
HC-W0182	PD-1770	Planting of Maruthani Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0183	PD-1771	Planting of Mint thulasi Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	46.00

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HC-W0184	PD-1772	Planting of Mudakathan Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	46.00
HC-W0185	PD-1773	Planting of Nannari Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	59.00
HC-W0186	PD-1774	Planting of Neermulli Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	46.00
HC-W0187	PD-1775	Planting of Nochi Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	26.00
HC-W0188	PD-1776	Planting of Omavalli Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	46.00
HC-W0189	PD-1777	Planting of Orthosiphon (Poonai Mesai) Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	46.00

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HC-W0190	PD-1778	Planting of Pirandai Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0191	PD-1779	Planting of Siriyanangai plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	65.00
HC-W0192	PD-1780	Planting of Seeni thulasi Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	195.00
HC-W0193	PD-1781	Planting of Thippili Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	98.00
HC-W0194	PD-1782	Planting of Thiruneetru pachilai Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00
HC-W0195	PD-1783	Planting of Thotta sinungi Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	39.00

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HC-W0196	PD-1784	Planting of Thuthuvalai Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	39.00
HC-W0197	PD-1785	Planting of Vallarai Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	39.00
HC-W0198	PD-1786	Planting of Vellai erukkan Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	98.00
HC-W0199	PD-1787	Planting of Vetiver Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	33.00
HC-W0200	PD-1788	Planting of Vetriellai Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	33.00
HC-W0201	PD-1789	Planting of Vinca rosea Herbal plant variety of height 20-25 cm in polythene bag of size 6x7 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	33.00

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HC-W0202	PD-1790	Planting of Cynodon dactylon (Arugampul) Grass including necessary soil preparation, transportation, loading and unloading charges etc., as directed by the site in-charge.	1 Sqm	87.60
HC-W0203	PD-1791	Planting of G2 grass including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	1 sqm	154.20
HC-W0204	PD-1792	Truffing of Korean grass / mexican grass including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	1 sqm	342.10
HC-W0205	PD-1793	Planting of Shade grass including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	1 sqm	154.20
HC-W0206	PD-1794	"Supplying and Planting of Albizia tree sapling of height 240 –300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	577.00
HC-W0207	PD-1795	Supplying and Planting of Alstonia scholaris tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	550.00

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HC-W0208	PD-1796	"Supplying and Planting of Acacia tree sapling of height 240 –300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	705.00
HC-W0209	PD-1797	"Supplying and Planting of Ashoka tree sapling of height 240 –300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	808.00
HC-W0210	PD-1798	Supplying and Planting of Bael – Aegel marmelos tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge	Each	794.00
HC-W0211	PD-1799	Supplying and Planting of Bauhinia purpurea tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed bythe site in-charge.	Each	669.00
HC-W0212	PD-1800	"Supplying and Planting of Bauhinia acuminate (white colour) tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed bythe site in-charge."	Each	575.00

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HC-W0213	PD-1801	"Supplying and Planting of Bauhinia blakeana (purple colour) tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	575.00
HC-W0214	PD-1802	Supplying and Planting of Calophyllum inophyllum tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	654.00
HC-W0215	PD-1803	"Supplying and Planting of Cassia fistula tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	923.00
HC-W0216	PD-1804	Supplying and Planting of Cocoloba Unifera tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	2477.00
HC-W0217	PD-1805	"Supplying and Planting of Couroupita guianensis – Cannon Ball Tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge"	Each	826.00

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HC-W0218	PD-1806	Supplying and Planting of Cordia sebestena tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0219	PD-1807	"Supplying and Planting of Cordia obliqua tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	550.00
HC-W0220	PD-1808	Supplying and Planting of Dalbergia sissoo tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0221	PD-1809	"Supplying and Planting of Erythrina tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	385.00
HC-W0222	PD-1810	"Supplying and Planting of Ficus elastica tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	885.00

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HC-W0223	PD-1811	Supplying and Planting of Ficus bengalensis tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	616.00
HC-W0224	PD-1812	"Supplying and Planting of Ficus religiosa tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	616.00
HC-W0225	PD-1813	"Supplying and Planting of Ficus lyrata tree sapling of height 240–300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	2703.00
HC-W0226	PD-1814	Supplying and Planting of Hibiscus tiliaceus tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0227	PD-1815	"Supplying and Planting of Kigelia pinnata tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	731.00

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HC-W0228	PD-1816	"Supplying and Planting of Lagerstroemia tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	616.00
HC-W0229	PD-1817	Supplying and Planting of Lannea coromandelica tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	308.00
HC-W0230	PD-1818	"Supplying and Planting of Melia dubia tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	692.00
HC-W0231	PD-1819	Supplying and Planting of Mimusops elengi tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	654.00
HC-W0232	PD-1820	Supplying and Planting of Millingtonia hortensis tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	475.00

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HC-W0233	PD-1821	"Supplying and Planting of Neem tree sapling of height 240–300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	692.00
HC-W0234	PD-1822	"Supplying and Planting of Peltophorum tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	577.00
HC-W0235	PD-1823	"Supplying and Planting of Plumeria tree sapling of height 240–300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge"	Each	1154.00
HC-W0236	PD-1824	"Supplying and Planting of Poovarasu tree sapling of height 240–300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	654.00
HC-W0237	PD-1825	"Supplying and Planting of Pungam tree sapling of height 240 –300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	692.00

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HC-W0238	PD-1826	Supplying and Planting of Pterocarpus marsupium tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	576.00
HC-W0239	PD-1827	"Supplying and Planting of Saraca indica tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	654.00
HC-W0240	PD-1828	"Supplying and Planting of Michelia champaka (Shenbagam) tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	654.00
HC-W0241	PD-1829	Supplying and Planting of Spathodea campanulata tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0242	PD-1830	"Supplying and Planting of Sterculia tree sapling of height 240 –300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	577.00

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HC-W0243	PD-1831	Supplying and Planting of Swietenia macrophylla tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0244	PD-1832	Supplying and Planting of Syzygium cumini tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0245	PD-1833	Supplying and Planting of Tabebuia argentea tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge	Each	654.00
HC-W0246	PD-1834	Supplying and Planting of Tabebuia avellanedae tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	692.00
HC-W0247	PD-1835	"Supplying and Planting of Tabebuia rosea tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	692.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0248	PD-1836	Supplying and Planting of Terminalia arjuna tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	654.00
HC-W0249	PD-1837	Supplying and Planting of Terminalia catappa tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	616.00
HC-W0250	PD-1838	Supplying and Planting of Terminalia bellirica tree sapling of height 240 – 300 cm in polythene bag of size 20x21 inch including supporting stack of 5 cm dia casurina pole of 10 feet height, including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	580.00
HC-W0251	PD-1839	Supplying and Planting of Bamboo grass variegeta tree sapling of height 300 - 360 cm in polythene bag of size 15x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	1700.00
HC-W0252	PD-1840	"Supplying and Planting of Black Bamboo tree sapling of height 300 - 360 cm in polythene bag of size 15x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	1022.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0253	PD-1841	Supplying and Planting of Budha Belly Bamboo tree sapling of height 300 - 360 cm in polythene bag of size 15x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	744.10
HC-W0254	PD-1842	"Supplying and Planting of Cane Bamboo tree sapling of height 300 - 360 cm in polythene bag of size 15x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge."	Each	1042.00
HC-W0255	PD-1843	Supplying and Planting of Golden Bamboo tree sapling of height 300 - 360 cm in polythene bag of size 15x16 inch including loading and unloading charges, transportation, stacking of saplings at site, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in-charge.	Each	403.00
HC-W0256	PD-1844	Supplying of plastic Potted plants – Aralia size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	412.00
HC-W0257	PD-1845	Supplying of plastic Potted plants Areca palms size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	495.00
HC-W0258	PD-1846	Supplying of plastic Potted plants Aglonema size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	495.00
HC-W0259	PD-1847	Supplying of plastic Potted plants Anthurium size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	605.00
HC-W0260	PD-1848	Supplying of plastic Potted plants Bogainvillea size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge	Each	715.00

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HC-W0261	PD-1849	Supplying of plastic Potted plants Diffenbachia size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in- charge	Each	505.00
HC-W0262	PD-1850	"Supplying of plastic Potted plants Dracena Babydoll size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in- charge"	Each	410.00
HC-W0263	PD-1851	Supplying of plastic Potted plants Dracena Song of India size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in- charge	Each	490.00
HC-W0264	PD-1852	"Supplying of plastic Potted plants Ficus benjamina size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge"	Each	1350.00
HC-W0265	PD-1853	Supplying of plastic Potted plants Ficus ponda size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in- charge	Each	1350.00
HC-W0266	PD-1854	Supplying of plastic Potted plants Maranta size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge	Each	520.00
HC-W0267	PD-1855	Supplying of plastic Potted plants Poinsettia size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge	Each	454.00
HC-W0268	PD-1856	"Supplying of plastic Potted plants Red lipstick palms size of dia 12 inch including loading and unloading charges, transportation, etc as directed by the site in-charge"	Each	1950.00
HC-W0269	PD-1857	Supplying and Planting of Topiary for various shapes and sizes of 4ft to 5ft in Pot of dia 45 cm including loading and unloading charges, transportation, earth work excavation of required size, planting of sapling, refilling of excavated earth etc as directed by the site in- charge.	Each	16250.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0270	PD-1858	Development of Miyawaki Forest: (Dense Forest) Cost includes the following works: Soil assessment & study to determine most suitable soil nourishment Materials. Excavation of the soil up to a minimum depth of 1 meter with earth Movers. Mixing the organic Materials with the soil (including Red Soil wherever necessary) like cocopeat, Paddy husk, vermi- compost, Hay Mixing the layout & fixing the tree locations, planting of 3 nos of Nativity tree saplings in one Sq.m. Adding of Organic fertilizer to the plants. The entire forest floor will be covered with mulch during forest creation with Most appropriate soil mulching material including Support Sticks for sapling that need support during initial growth and Manpower for all forest creation related work with necessary tools and equipments and including maintenance of One year. (excluding irrigation, civil works)	1 Sq.M	1320.00
HC-W0271	PD-1859	Supplying of Round Cement pot size of dia 24 inch with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	850.00
HC-W0272	PD-1860	Supplying of Square Cement pot size of 22x22 inch with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	1225.00
HC-W0273	PD-1861	Supplying of Rectangle Cement pot size of 18x36 inch with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	2000.00
HC-W0274	PD-1862	Supplying of Plastic pot size of dia 12 inch black with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	150.00
HC-W0275	PD-1863	Supplying of Plastic pot size of dia 12 inch brown with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	180.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0276	PD-1864	Supplying of Plastic pot size of dia 24 inch black with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	320.00
HC-W0277	PD-1865	Supplying of Plastic pot size of dia 24 inch brown with plates including loading and unloading charges, transportation, etc as directed by the site in-charge.	Each	350.00
HC-W0278	PD-1866	"Supplying of Soul Design special planter pot of 45 inch dia and size 95*35 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in charge."	Each	6260.00
HC-W0279	PD-1867	"Supplying of D- Planter pot of 60 inch dia and size 80*40 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	5470.00
HC-W0280	PD-1868	"Supplying of Big Round pot of 75 inch dia and size 80*50 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	6150.00
HC-W0281	PD-1869	"Supplying of Round Planter pot of 55 inch dia and size 65*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	4250.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0282	PD-1870	"Supplying of Small Round Planter pot of 35 inch dia and size 40*23 in Centimeter., Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	1880.00
HC-W0283	PD-1871	"Supplying of Big Cone pot of 55 inch dia and size 80*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	4065.00
HC-W0284	PD-1872	"Supplying of Small Cone pot of 40 inch dia and size 40*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	1880.00
HC-W0285	PD-1873	"Supplying of Big Square pot of 100 inch dia and size 100*100 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	13670.00
HC-W0286	PD-1874	"Supplying of Big Square pot of 38 inch dia and size 80*38 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	3620.00
HC-W0287	PD-1875	"Supplying of Medium Square pot of 38 inch dia and size 60*38 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	3110.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0288	PD-1876	"Supplying of Small Square pot of 38 inch dia and size 40*38 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	1990.00
HC-W0289	PD-1877	"Supplying of Small Rectangle 2' pot of 60 inch dia and size 30*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	1750.00
HC-W0290	PD-1878	"Supplying of Small Rectangle 3' pot of 90 inch dia and size 30*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	2890.00
HC-W0291	PD-1879	"Supplying of Small Rectangle 4' pot of 122 inch dia and size 30*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	3590.00
HC-W0292	PD-1880	"Supplying of Supplying of Rectangle (4') pot of 122 inch dia and size 45*45 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in charge."	Each	5900.00
HC-W0293	PD-1881	"Supplying of Rectangle (3') pot of 90 inch dia and size 45*45 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	4800.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0294	PD-1882	"Supplying of Big Corner pot of 38 inch dia and size 80*38 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	5775.00
HC-W0295	PD-1883	"Supplying of Rectangle (4' *1') pot of 122 inch dia and size 45*30 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	3975.00
HC-W0296	PD-1884	"Supplying of Small Corner pot of 38 inch dia and size 40*38 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	1990.00
HC-W0297	PD-1885	"Supplying of Bottom plate pot of 45 inch dia and size 10*38 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	1280.00
HC-W0298	PD-1886	"Supplying of Big Lilly Bond pot of 150 inch dia and size 55*60 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	8650.00
HC-W0299	PD-1887	"Supplying of Small LillyBond pot of 60 inch dia and size 30*20 in Centimeter, Various size pots made up of 6mm rod & chicken mesh with cement moulded pots and designer painting with various size plates including loading and unloading charges, transportation, etc as directed by the site in-charge."	Each	2510.00

Unique Code	Sch. No	Description	Unit	Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)
HC-W0300	PD-1888	"Preparation of Mounds of various size and shape by available excavated/ Supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc., lead upto 50 meter and lift upto 1.5 m complete as per direction of Officer - in - charge."	Cu.m	422.93
HC-W0301	PD-1889	"Design, fabrication and installation of simple vault tensile fabric work and Steel structure using Belgian make tensile polyester fabric, steel frames by ISO standard acclaimed CE certified installer with structural stability vetting from Anna university ,Chennai having using FLUOMAX Coated Architectural Membrane having tensile strength not less than 4300 N/50mm/ 4200 N/50mm (Warp/ Weft) and Tear strength not less than 600 N/ 500 N (Warp/ Weft) of make SIOEN Belgium or equivalent, cables, complete perimeter attachment system, and all normally associated components with machines for Fabrication using swiss make Zund cutting machine and Belgian make Architectural Membrane on 20KW Forsstrom High Frequency Welding Machine with SEAMLESS WELDS 50 mm weld width X 1400 mm- Single Stroke all PVC joints shall be formed to a tolerance of +1mm, -1mm and shall be assembled to ensure that seams are always single laid and attaining seamless finish by that a cut edge does not face uphill and membrane used to have a double lacquering made out of highly concentrated FLUOMAX PVDF on both side, double PVC coating and be weldable without grinding to make sure the fabric have less environmental impact the fabricator has to deliver evidence of REAC conformit a per the European Norms the fabric to have Color light fastness not less than >6 Note in accordance with the German standard DIN 54004, DIN EN ISO 105 B02 and have 15 years manufacturer warranty All Fabric supplied and installed shall be in accordance with this specification and shall be guaranteed against water leakage, faulty materials and Mild steel structure supplied are made of high quality pure steel HR coil and the tubes to conform"	Sq.m	9735.00

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HC-W0302	PD-1890	"Supplying, erecting and Fixing precast reinforcement bench with back rest. Bench shall consist of 2 nos. L shaped bases support in natural cement color of thickness 100mm, back height 1000mm, front height 450mm, base width 620mm and 5Nos Reinforced Concrete planks in red color and size of 1500x100x50mm and 1no. reinforced concrete plank of 150x200x50mm: manufactured by using M-30 grade concrete & reinforced suitably: all parts to be joined with galvanized nuts and bolts of suitable size."	1 No	9994.60
HC-W0303	PD-1891	Core cutting in concrete slab 100 mm to 200mm for pipe rooting for suitable dia 100mm to 300mm	1 No	4320.00
HC-W0304	PD-1892	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 100 mm ( 4 " )	1 No	7230.00
HC-W0305	PD-1893	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 80 mm ( 3 " )	1 No	6850.00
HC-W0306	PD-1894	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 65 mm ( 2.5 " )	1 No	4752.00
HC-W0307	PD-1895	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 50 mm ( 2 " )	1 No	3500.00
HC-W0308	PD-1896	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 40 mm ( 1.5 " )	1 No	3320.00
HC-W0309	PD-1897	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 32 mm ( 1.25 " )	1 No	2240.00
HC-W0310	PD-1898	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 25 mm ( 1.00 " )	1 No	2135.00

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HC-W0311	PD-1899	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 20 mm ( 3/4 " )	1 No	1935.00
HC-W0312	PD-1900	Providing, fixing, Testing & Commissioning of PVC Ball valve with quarter turn including all necessary fittings & accessories complete. PIMTAS / AQVASTAR make 16 mm ( 1/2 " )	1 No	1490.00
HC-W0313	PD-1901	Supply of Gunmetal non return valve 3.0 " dia. (ISI)	1 No	23150.00
HC-W0314	PD-1902	Supply of Gunmetal non return valve 2.0 " dia. (ISI)	1 No	8720.00
HC-W0315	PD-1903	Supply of 10" Round valve box with greenlid and corrugated structure with unique shovel access slot and bolt hole knockout.	1 No	4555.00
HC-W0316	PD-1904	Supply of Quick coupling valve made up of Aluminium with locking cover corrosion resistant and stainless steel spring.	1 No	1360.00
HC-W0317	PD-1905	Supply of Key threads into top of QCV to provide water access.	1 No	1190.00
HC-W0318	PD-1906	Supply of 6"Round box with greenlid and corrugated structure with unique shovel access slot and bolt hole knockout.	1 No	1640.00
HC-W0319	PD-1907	"Supply, Fixing & commissioning of Pop up spray RD 1804 SAM PRS Series Spray bodies with high efficiency HE VAN Nozzle capable of covering radius of 0.9-4.6m at 1.0 - 2.1 Bars, pressure with Matched precipitation rate, tactile click and DU > 0.7. Triple Blade Wiper Seal precisely balances flushing, flow- by and debris protection to optimize performance and durability at pop-up and retraction. Precision-controlled flushing at pop-up and retraction clears debris, ensuring positive stem retraction in all soil types. Unique debris pockets hold grit in place, removing it from circulation and preventing long-term damage. Parts resistant to corrosion in treated recycled water containing chlorine. Pop spray body shall with stand upto 6.9 bar. Built-in Seal-A-Matic™ (SAM) check valve. Traps water in lateral pipes in elevation changes of up to 14 feet (4.2 m). PRS Maintains constant outlet pressure at 30 psi or 45 psi at varying inlet pressures. etc., RD1804- SAM PRS-HE VAN incl installation charges."	1 No	2365.00

Unique Code	Sch. No	Description	Unit	Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)
HC-W0320	PD-1908	<p>"Supply, Fixing &amp; commissioning of Pop up spray head RD 1804 SAM PRS Series Spray bodies, with Rotary nozzle with capable of covering 4.0-7.3m at 1.4 - 3.8 Bars pressure, Rotary nozzles shall have hand adjustable ( without tools) radius and arc-45 to 270 degree or full circle True flushing mechanism, Thick streams and large water droplet &amp; Low precipitation rate Triple Blade Wiper Seal precisely balances flushing, flow-by and debris protection to optimize performance and durability at pop- up and retraction. Precision-controlled flushing at pop-up and retraction clears debris, ensuring positive stem retraction in all soil types. Unique debris pockets hold grit in place, removing it from circulation and preventing long-term damage. Parts resistant to corrosion in treated recycled water containing chlorine. Pop spray body shall with stand upto 6.9 bar. Built-in Seal-A-Matic™ (SAM) check valve. Traps water in lateral pipes in elevation changes of up to 14 feet (4.2 m). PRS Maintains constant outlet pressure at 30 psi or 45 psi at varying inlet pressures, Flow-Shield™ technology and molded purple / White covers. etc. including installation charges"</p>	1 No	2505.00
HC-W0321	PD-1909	<p>"Supply, Fixing &amp; commissioning of 5004 PLUS SAM PRS Series Rotor pop up sprinkler full/part circle having radius of 6.7m - 12m @ 2.5 - 4.5 bar with discharge of 0.09 - 0.61 ltr./sec. the sprinklers having Arc Adjust thru Top Cover w/ Std. Screwdriver The sprinkler is gear driven rotary type with having 3/4" bottom inlet. Oversized wiper seal, Rain Curtain technology, gentle close-in watering and Self-flushing arc adjustment port and also having tapered riser stem with Wiper Seal The sprinkler shall have Plus (PL) Flow shut off, 45 psi pressure regulator with flow optimizer technology, internal Seal - A - Matic device which prevents low head drainage (upto 3.1m) &amp; hence puddling &amp; erosion. The body of sprinkler is of non - corrodible, heavy duty, ABS plastic. O-ring Slip Clutch, Ratcheting Slip Clutch, Side Inlet Available 6" and 12",Turret- mounted ID Plugs, Flow Stop Available, Non-potable water indication available etc., complete including installation charges."</p>	1 No	4325.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0322	PD-1910	"Supply of 1/2"" Pop up connecting swing joint assembly. The tubing shall be made of polyethylene having wall thickness of 2.3mm ,a working pressure of 5.5 kg/cm2 at 430C and a surge pressure of 16.6 kg/cm2. The fittings shall be made of UV resistant thermo plastic.SA Series including installation charges."	1 No	830.00
HC-W0323	PD-1911	"Supply of 3/4"" Pop up connecting swing joint assembly. The tubing shall be made of polyethylene having wall thickness of 2.3mm, a working pressure of 5.5 kg/cm2 at 43 C and a surge pressure of 16.6 kg/cm2. The fittings shall be made of UV resistant thermo plastic.SA Series including installation charges."	1 No	855.00
HC-W0324	PD-1912	Supply of 3.0" Twin Disc Filter 50 M <sup>3</sup> / Hr. including installation charges. (brands like Rain Bird or equivalent)	1 No	48460.00
HC-W0325	PD-1913	"Supply of large capacity Disc filter 25 M <sup>3</sup> /Hr. including installation charges. (brands like Rain Bird or equivalent)"	1 No	25270.00
HC-W0326	PD-1914	Flexible polyethelene irrigation pipe 16 mm dia / 2.5 / 1.1 - 1.4 mm CL - II. " Netafim " including installation charges.	1 Mtr	36.00
HC-W0327	PD-1915	Supply of endcap, nipple, start nipple, rubber grommet 16 mm dia. "Netafim" including installation charges.	1 Set	46.00
HC-W0328	PD-1916	Supply of Pressure compensated dripper with 2 / 4 / 8 LPH outlet flow. Rain Bird / Netafim make including installation charges.	1 No	15.00
HC-W0329	PD-1917	Supply of Micro sprinkler of half & full circle with 55 LPH output flow with necessary micro tube & stake. Rain Bird / JISL make including installation charges.	1 No	100.00
HC-W0330	PD-1918	"DRIPNET PCAS 16008 2.0L/H 0.30M 500M including installation charges."	1 Mtr	47.00
HC-W0331	PD-1919	Supply of Imported HDPE service saddle of varying size including installation charges.	1 No	838.00
HC-W0332	PD-1920	"Supply of Navc10 (or Equivalent Brand) - 2" dia Combination AV PN 10 BSP including installation charges."	1 No	3134.00

<b>Unique Code</b>	<b>Sch. No</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved in the year 2024-25 (w.e.f. 15.07.2024)</b>
HC-W0333	PD-1921	"Supply of 2 Q. Pressure relief 33Q-Y-P-BSP-2W-K including installation charges."	1 No	34410.00
HC-W0334	PD-1922	"Supply & erection of green wall panel comprising of soilless media along with suitable plants. The frame work structure shall be made of M.S. Tubular Pipe of size 2" X 1", thickness of 4mm with primer & two coats of anti corrosive paint. Planter box made up of HDPE material. This green wall panel includes drip irrigation PE Pipe, PCJ Dripper, PE Pipe, Connectors, PVC pipe & fittings along with heavy duty PVC Ball Valve and 1 H.P. Motor including installation and testing charges"	Sq.ft	2995.00



**GOVERNMENT OF TAMIL NADU**

# **SCHEDULE OF RATES**

**2024-2025**

[WITH EFFECT FROM 15.07.2024]

## **VOLUME - III**

### **BASIC RATES (EXCLUDING GST & OTHER TAXES)**

Volume - I	PWD   HIGHWAYS   WRD	332 Pages
Volume - II	TWAD   CMWSSB   TNUHDB   HR&CE   HORTICULTURE	321 Pages
Volume - III	FORESTS   TANGEDCO   TANTRANSCO	350 Pages

**GOVERNMENT OF TAMIL NADU**  
**SCHEDULE OF RATES FOR THE YEAR 2024-25**

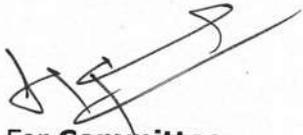
**PREFACE**

To arrive at Schedule of Rates for the use of various departments under Government of Tamil Nadu, the Government of Tamil Nadu in G.O. (Ms).No 3, Public Works (G2) department, dated 14.03.2024 constituted a committee with Members comprising of Engineer in Chief and Chief Engineer (General), Public Works Department, Engineer in Chief and Chief Engineer (General), Water Resources Department, Director General, Highways Department, Principal Chief Conservator of Forest, Forest Department, Representative of Finance Department, Engineering Director, Tamil Nadu Water supply and Drainage Board, Engineering Director, Chennai Metropolitan Water Supply and Sewerage Board, Chief Engineer (Construction and Maintenance), Highways Department, Chief Engineer, Design Research & Construction Support, Water Resource Department, Chief Engineer, Tamil Nadu Generation and Distribution Corporation Limited and Chief Engineer, Tamil Nadu Urban Habitat Development Board. The Special invitees from various other Departments were also invited for discussion based on the requirement as decided by the Schedule of Rates Committee.

The prevailing market rates, Whole Sale Price Index of current year, TANCEM rate for Cement, SAIL rate for Steel, past five years data and various factors related to Rate of Materials, Rate of Labours, Rate of various items of work, Conveyance Table for various departments have been discussed and deliberated upon in several committee meetings. This Schedule of Rates includes existing items, deletion of few items which are not in use, addition of new items, and merger of similar items. After detailed deliberations and discussions, this Schedule of rates has been arrived at and approved by the committee for the year 2024-2025.

This Schedule of Rates is a comprehensive document that succinctly summarizes the standard rates and services required for construction projects which will be useful for departments in the preparation of estimates and deciding the Rate of Materials, Rate of Labours, Rate of various items of work. The contents of the Schedule of Rates are detailed below:

- Volume 1** Public Works Department, Highways Department and Water Resource Department.
- Volume 2** Tamil Nadu Water Supply and Drainage Board, Chennai Metropolitan Water Supply and Sewerage Board, Tamil Nadu Urban Habitat Development Board, Hindu Religious and Charitable Endowments Department and Tamil Nadu Horticulture Development Agency
- Volume 3** Forests Department, Tamil Nadu Generation and Distribution Corporation Limited and Tamil Nadu Transmission Corporation Limited.

  
For **Committee**  
(Engineer - in - Chief &  
Chief Engineer (General), PWD,  
Chepauk, Chennai-5)

**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME I**

**(PUBLIC WORKS DEPARTMENT, HIGHWAYS DEPARTMENT & WATER RESOURCES DEPARTMENT)**

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**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME II**

**(TWAD, CMWSSB, TNUHDB, HR & CE AND HORTICULTURE DEPARTMENT)**

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**SCHEDULE OF RATES**  
**FOR THE YEAR 2024-2025 (W.E.F.15.07.2024)**  
**BASIC RATES (EXCLUDING GST & OTHER TAXES)**

**VOLUME III**

**(FOREST, TANGEDCO AND TANTRANSCO DEPARTMENT)**

**INDEX**

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# **FOREST DEPARTMENT**

### Structure for Unique Item Codes

<b>Item Code</b>	<b>Item Type</b>
FR	Forest Department
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "FR-A1234" mentioned in the 'Unique Code' column in each sheet

## RATES FOR THE FORESTRY ACTIVITIES IN 2024-2025

### Rates of Labour adopted in Forest Department:

The rates for labour adopted in the forest department for the forestry activities is categorized into 3 classes as the districts of the state are classified into following three regions based on the cost of labour, availability of labour for basic works & and the remoteness of the places. And the rates are as given below,

1. Class A - Grade I      -    5 districts      -    666.85 / Man Day
2. Class B - Grade II    -    3 districts      -    660.85 / Man Day
3. Class C - Grade III    -    30 districts     -    650.85 / Man Day

The names of the districts grouped into 3 regions are as follows.

Class A: Chennai, Tiruvallur, Kancheepuram, The Nilgiris and Tirunelveli District.

Class B: Salem, Coimbatore and Madurai District.

Class C: Other Districts.

### Unit cost of seedlings in Forest Department:

Unit cost of raising seedlings in different sizes of poly bags under Standard conditions of nursery raising are furnished below.

Sl. No.	Species	Region	Rate/Seedlings in polybag sizes (cm.) in Rs.			Approximate Height of Seedlings
			13x25	16x30	30x45	
1	All Miscellaneous species	Class A Grade I 5 districts	21.00	35.45	155.50	i) 13x25 seedlings 2 to 3 feet ii) 16x30 seedlings 3 to 4 feet iii) 30x45 seedlings 6 to 8 feet
2	All Miscellaneous species	Class B Grade II 3 districts	20.00	32.00	122.00	
3	All Miscellaneous species	Class C Grade III 30 districts	20.00	32.00	129.00	

It is important to note that variation from standard conditions for nursery raising may occur based on climatic conditions (drought, flood etc.) and other unforeseen administrative circumstances. Accordingly, actual cost of raising per seedlings in Forest Department may also vary from place to place.

The Nursery operations and planting operations are prescribed with Forest Schedule of Labours as shown in the Forest Schedule of Rates 2024-25 annexed for class wise, grade wise districts in the Common Schedule of Rates that can be followed without adopting any extra percentage over the rates.

## Forest Schedule of Rates 2024-2025

### Class A - Grade I Districts: Chennai, Tiruvallur & Kancheepuram

Unique Code	Standard Code No.	Description of operations	Unit	Mandays required	Chennai, Tiruvallur & Kancheepuram Dist. (Rs. 666.85 / per day)
		<b>1.SANDALWOOD OPERATIONS</b>			
	1.4.	Extraction and transport of marked sandalwood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91 cms and above marking the pits with paint, numbering of pegs, trees upto 4mt.height upto a distance of 2 kms.	Tree		
FR-L0001	1.4.1.	0.15 cm		0.174	116.03
FR-L0002	1.4.2.	16-30cm		0.396	264.07
FR-L0003	1.4.3.	31-45cm		0.967	644.84
FR-L0004	1.4.4.	46-60cm		1.920	1280.35
FR-L0005	1.4.5.	61-75 cm		3.223	2149.26
FR-L0006	1.4.6.	76-90 cm		4.675	3117.52
FR-L0007	1.4.7.	91-105cm		6.476	4318.52
FR-L0008	1.4.8.	106-120cm		8.427	5619.54
FR-L0009	1.4.9.	121-135cm		10.627	7086.61
FR-L0010	1.4.10	136-150cm		12.977	8653.71
FR-L0011	1.4.11.	151-165 cm		15.476	10320.17
FR-L0012	1.4.12.	166-180 cm		18.124	12085.99
	<b>1.5.</b>	<b>Extraction and transport by headload without rough cleaning from pitsite to forest depot after debarking upto 5 kms (for trees upto 4m height)</b>			
FR-L0013	1.5.1.	0.15 cm	Tree	0.308	205.39
FR-L0014	1.5.2.	16-30cm		0.896	597.50
FR-L0015	1.5.3.	31-45cm		1.667	1111.64
FR-L0016	1.5.4.	46-60cm		3.220	2147.26
FR-L0017	1.5.5.	61-75 cm		5.123	3416.27

FR-L0018	1.5.6.	76-90 cm		7.375	4918.02
FR-L0019	1.5.7.	91-105cm		9.976	6652.50
FR-L0020	1.5.8.	106-120cm		12.627	8420.31
FR-L0021	1.5.9.	121-135cm		15.527	10354.18
FR-L0022	1.5.10	136-150cm		18.577	12388.07
FR-L0023	1.5.11.	151-165 cm		21.776	14521.33
FR-L0024	1.5.12.	166-180 cm		25.124	16753.94
	<b>1.6</b>	<b>Extraction and transport of uncleaned trees from pit site to forest depot by head-load above 5 kms and upto 10 kms only (trees upto 4 mts height) Rate as in item 1.5 plus this rate towards transport for every additional km. may be allowed.</b>	Tree		
FR-L0025	1.6.1.	0.15 cm		0.040	26.67
FR-L0026	1.6.2.	16-30cm		0.130	86.69
FR-L0027	1.6.3.	31-45cm		0.220	146.71
FR-L0028	1.6.4.	46-60cm		0.440	293.41
FR-L0029	1.6.5.	61-75 cm		0.700	466.80
FR-L0030	1.6.6.	76-90 cm		1.000	666.85
FR-L0031	1.6.7.	91-105cm		1.340	893.58
FR-L0032	1.6.8.	106-120cm		1.660	1106.97
FR-L0033	1.6.9.	121-135cm		2.000	1333.70
FR-L0034	1.6.10	136-150cm		2.234	1489.74
FR-L0035	1.6.11.	151-165 cm		2.680	1787.16
FR-L0036	1.6.12.	166-180 cm		3.020	2013.89
FR-L0037	1.9.	Rough cleaning the un-cleaned sandalwood trees.	Tonne (un-cleaned wood)	18.030	12023.31
FR-L0038	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips, rough weighing and adding for storage in single lock.	Tonne (un-cleaned wood)	15.670	10449.54
	1.19	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	per kg		
FR-L0039	1.19.1.	0-2 kg		0.128	85.36

FR-L0040	1.19.2.	2-4 kg		0.316	210.72
FR-L0041	1.19.3.	4-6 kg		0.474	316.09
FR-L0042	1.19.4.	6-8 kg		0.623	415.45
FR-L0043	1.19.5.	8-10 kg		0.768	512.14
FR-L0044	1.19.6.	10-15 kg		1.120	746.87
FR-L0045	1.19.7.	15-20 kg		1.429	952.93
FR-L0046	1.19.8.	20-25 kg		1.716	1144.31
FR-L0047	1.19.9.	25-30 kg		2.029	1353.04
FR-L0048	1.19.10	30-40 kg		2.592	1728.48
FR-L0049	1.19.11.	40-50 kg		3.076	2051.23
		<b>2. FIRE PROTECTION</b>			
FR-L0050	2.1.1.	Scraping annually fire line to a width of 7.5 metres in Nilgris, Upper palanis, Anamalais etc.,	KM	32.470	21652.62
FR-L0051	2.2.1	Scraping annually fire line to a width of 6 metres in Hill areas.	KM	30.000	20005.50
FR-L0052	2.2.2	Scraping annually fire line to a width of 7.5 metres with fire tracing in plains.	KM	21.520	14350.61
FR-L0053	2.4.	Annual clearing to 3 metres width and fire tracing around the plantations.	KM	17.460	11643.20
		<b>3.DEMARCATION</b>			
FR-L0054	3.2.	Demarcation of reserved forest boundary by annual clearing cutting of bushes etc., to a width of 6 metres.	100 metres	21.000	14003.85
FR-L0055	3.3.	Survey and demarcation including cutting 1m wide lines for coupes and plantations (Chain and compass survey)	100 metres	0.310	206.72
FR-L0056	3.5.1.	Demarcation by planting with boundary stone pillars of 0.15mx0.15mx1.8m size excluding the cost of stones including transport from road site to field and headload transport from unloading point to planting site upto 5 kms.	Each stone	PWD Rate	
FR-L0057	3.5.2.	For every additional km. beyond 5 km limited to 50 km. including initial lead.	Each stone	PWD Rate	

	<b>3.6.1.</b>	<b>Planting of boundary stone pillars of 0.15mx0.15mx0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cmx30cmx45cm for demarcation of plantations, where the lead from unloading point to planting site is</b>			
FR-L0058		i) upto 5 km	Each stone	PWD Rate	
FR-L0059		ii) For every additional km.	Each stone	PWD Rate	
FR-L0060	3.7.	Replanting of fallen R.F. boundary stone including repairing the R.R.dry packing base	Each	1.000	666.85
		<b>4.NURSERY OPERATIONS</b>			
FR-L0061	4.1.	Preparation of nursery site by clearing and levelling the site for forming ten standard beds of 10m x 1m size.	200 sq.m. (for 10 Std., beds)	2.42	1613.78
FR-L0062	4.2.	Formation of germination bed of size 10m x 10m x 0.30m	One bed	-	
FR-L0063	4.4.	Formation of trenches of size 10m length 1m width and 0.30m/0.45m depth, burying mud pots in trenches and filling sand to a thickness of 0.75cm as bottom and top layers and between the pots.	One trench	2.000	1333.70
FR-L0064	4.5.1.	Watering the germination beds twice daily with rose can.	10 beds/day	0.820	546.82
FR-L0065	4.5.2.	Watering the germination beds once daily with rose can.	10 beds/day	0.410	273.41
	<b>4.6</b>	<b>Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings. (Excluding cost of earth and farmyard manure) Note: The proportion of fertile earth and F.Y.M.will be fixed by the respective C.Fs For Polythene containers size.</b>			
FR-L0066	4.6.1	8 x 15 cm	1000 bags	3.050	2033.89
FR-L0067	4.6.2.	10 x 15cm	1000 bags	3.280	2187.27
FR-L0068	4.6.3.	10 x 20cm	1000 bags	3.530	2353.98
FR-L0069	4.6.4.	13 x 25cm	1000 bags	4.480	2987.49
FR-L0070	4.6.5.	16 x 30cm	1000 bags	5.950	3967.76
FR-L0071	4.6.6.	20 x 30cm	1000 bags	7.440	4961.36
FR-L0072	4.6.7.	30 x 45cm	1000 bags	28.570	19051.90

FR-L0073	4.6.8.	35 x 50 (HDPE woven bags)	1000 bags	37.000	24673.45
FR-L0074	4.6.9.	Collection and Supply of good quality of red earth including transporting upto 5 km. Note: Minimum lead should be adopted.	M <sup>3</sup>	-	1200.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai (Proceeding Ref. No.TS1/12739/2023, Dated: 23.08.2023). It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
FR-L0075	4.6.10.	Collection and supply of river sand and silt including transport	M <sup>3</sup>	PWD SSR Rate	936.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai (Proceeding Ref. No.TS1/12739/2023, Dated: 23.08.2023). It shall be applicable only when the river sand or silt is purchased from Public Works Department government depots.			
FR-L0076	4.6.11.	Collection and supply of farmyard manure including transport	M <sup>3</sup>	As per proposal	800.00
	<b>4.7.</b>	<b>Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure pricking out seedlings in the pots.</b>			
		Top x Bottom x Height			
FR-L0077		40 x 15 x 30 cm	100 Nos.	2.800	1867.18
FR-L0078		30 x 15 x 25 cm	100 Nos.	1.750	1166.99
FR-L0079		25 x 12 x 15 cm	100 Nos.	0.700	466.80
FR-L0080	4.9	Forming temporary shade pandals 10m x 1m including collection of grasses.	per pandal	1.000	666.85
	<b>4.10.</b>	<b>Watering the container plants twice daily with rose can (Water storage pits to be dugup within 10m - 2m from beds)</b>			
FR-L0081	4.10.1	8 x 15 cm	1000/day	0.160	106.70
FR-L0082	4.10.2.	10 x 15cm	1000/day	0.160	106.70
FR-L0083	4.10.3.	10 x 20cm	1000/day	0.200	133.37
FR-L0084	4.10.4.	13 x 25cm	1000/day	0.230	153.38
FR-L0085	4.10.5.	16 x 30cm	1000/day	0.370	246.73
FR-L0086	4.10.6.	20 x 30cm	-	0.000	-
FR-L0087	4.10.7.	30 x 45cm	1000/day	0.560	373.44
FR-L0088	4.10.8.	35 x 50 cm	1000/day	0.860	573.49

	<b>4.11.</b>	<b>Watering the container plants once a day</b>			
FR-L0089	4.11.1.	8 x 15 cm	1000/day	0.080	53.35
FR-L0090	4.11.2.	10 x 15cm	1000/day	0.080	53.35
FR-L0091	4.11.3.	10 x 20cm	1000/day	0.100	66.69
FR-L0092	4.11.4.	13 x 25cm	1000/day	0.115	76.69
FR-L0093	4.11.5.	16 x 30cm	1000/day	0.185	123.37
FR-L0094	4.11.6.	20 x 30cm	1000/day	0.000	-
FR-L0095	4.11.7.	30 x 45cm	1000/day	0.280	186.72
FR-L0096	4.11.8.	35 x 50 cm	1000/day	0.430	286.75
		<b>Note:</b> 1) Watering not to be done on rainy days. 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	<b>4.12.</b>	<b>Watering mud pots using (rose can,twice daily) excluding cost of water (water storage pits should be dug up within 10 to 20m from beds in the nursery)</b>			
		Top x Bottom x Height	-	-	-
FR-L0097	4.12.1	25 x 12 x 15 cm	1000/day	0.530	353.43
FR-L0098	4.12.2	30 x 12 x 15 cm	1000/day	0.530	353.43
FR-L0099	4.12.3	30 x 15 x 25 cm	1000/day	0.750	500.14
FR-L0100	4.12.4	40 x 15 x 30 cm	1000/day	1.430	953.60
FR-L0101	4.13.	Flood watering in sunken beds of 10m x 1 m	Bed/day	0.030	20.01
	<b>4.14.</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
FR-L0102	4.14.1	25 x 12 x 15 cm	1000/shift	2.310	1540.42
FR-L0103	4.14.2	30 x 12 x 15 cm	1000/shift	2.750	1833.84
FR-L0104	4.14.3	30 x 15 x 25 cm	1000/shift	4.370	2914.13
FR-L0105	4.14.4	40 x 15 x 30 cm	1000/shift	5.530	3687.68
	<b>4.15.</b>	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags.</b>			
FR-L0106	4.15.1	8 x 15 cm	1000/shift	0.250	166.71
FR-L0107	4.15.2.	10 x 15cm	1000/shift	0.290	193.39
FR-L0108	4.15.3.	10 x 20cm	1000/shift	0.330	220.06

FR-L0109	4.15.4.	13 x 25cm	1000/shift	0.510	340.09
FR-L0110	4.15.5.	16 x 30cm	1000/shift	0.790	526.81
FR-L0111	4.15.6.	20 x 30cm	1000/shift	0.970	646.84
FR-L0112	4.15.7.	30 x 45cm	1000/shift	2.690	1793.83
FR-L0113	4.15.8.	35 x 50 cm	1000/shift	3.770	2514.02
		<b>Note:</b> Shifting to be done once in 21 days. First shifting not before 45 days after pricking out.			
FR-L0114	4.17	Land rent for nursery in private land.	40 M2 or cent/ month	Addenda 4-17/FSR	100.00
		<b>Note:</b> The rates allowed in item 4.17 are the maximum rates. If the local rates are lessor the same may be adopted.			
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai (Proceeding Ref. No.TS1/12739/2023, Dated: 23.08.2023)			
FR-L0115		8x15 = 9,000 bags/ cent			
FR-L0116		10x15 = 6,000 bags/ cent			
FR-L0117		10x20			
FR-L0118		13x15 = 3,000 bags/ cent			
FR-L0119		16x30 = 2,000 bags/ cent			
FR-L0120		30x45 = 500 bags/ cent			
	<b>4.18.4</b>	<b>Cost of Water for watering the container seedlings from private well.</b>			
FR-L0121		8x15 cm	1000 bags/ watering		-
FR-L0122		10x15 cm			-
FR-L0123		10x20 cm			-
FR-L0124		13x25 cm			8.50
FR-L0125		16x30 cm			16.00
FR-L0126		30x45 cm			32.00
FR-L0127	4.21	Digging water storage pit Top 3x3m Bottom 2.1x2.1m,Depth 1mt	one pit	PWD rate may be allowed	
		<b>5.PLANTING SITE PREPARATION</b>			

	5.1.	Ploughing the land with Tractor Disc plough	Hec.		
FR-L0128	5.1.1.	Once			
FR-L0129	5.1.2.	Twice			
	<b>5.2.</b>	<b>Aligning and marking or stacking excluding cost of stacks</b>			
FR-L0130	5.2.1.	Plains and tank beds(Square and rectangular planting)	1000 Nos.	1.380	920.25
FR-L0131	5.2.4.	Aligning for strip plantations including avenues.	1000 Nos.	1.380	920.25
	<b>5.3.</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravell soil</b>			
FR-L0132	5.3.1.	Non rainy season	100 Nos.	2.600	1733.81
FR-L0133	5.3.2.	Rainy season	100 Nos.	2.160	1440.40
	<b>5.4.</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L0134	5.4.1.	Non rainy season	100 Nos.	2.090	1393.72
FR-L0135	5.4.2.	Rainy season	100 Nos.	1.750	1166.99
	<b>5.5.</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L0136	5.5.1.	Non rainy season	100 Nos.	4.700	3134.20
FR-L0137	5.5.2.	Rainy season	100 Nos.	3.920	2614.05
	<b>5.6.</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L0137	5.6.1.	Non rainy season	100 Nos.	3.870	2580.71
FR-L0138	5.6.2.	Rainy season	100 Nos.	3.230	2153.93
FR-L0139	5.7.	Digging 30 cm <sup>3</sup> pits in sandy loam soil Rainy season or non rainy season	100 Nos.	1.510	1006.94
FR-L0140	5.8.	Digging 60 cm <sup>3</sup> pits in all types of soils for avenue plantation.	100 Nos	9.26	6175.03
FR-L0141	5.8.1.	Non rainy season	100 Nos.	9.260	6175.03
FR-L0142	5.8.2.	Rainy season	100 Nos.	7.720	5148.08
	<b>5.9.</b>	<b>Digging 30 cm<sup>3</sup> pits in ploughed area</b>	<b>100 Nos. (25% of item 5.4)</b>		
FR-L0143		Non rainy season		0.520	346.76
FR-L0144		Rainy season		0.440	293.41

	<b>5.11.</b>	<b>Loading and unloading Poly-bag container plants in private/ Department vehicles upto a lead of 2km (Excluding hire charges for the vehicles)</b>			
FR-L0145	5.11.1.	8 x 15 cm	1000 Nos.	0.660	440.12
FR-L0146	5.11.2.	10 x 15cm	1000 Nos.	0.900	600.17
FR-L0147	5.11.3.	10 x 20cm	1000 Nos.	1.080	720.20
FR-L0148	5.11.4.	13 x 25cm	1000 Nos.	1.530	1020.28
FR-L0149	5.11.5.	16 x 30cm	1000 Nos.	1.790	1193.66
FR-L0150	5.11.6.	20 x 30cm	1000 Nos.	2.220	1480.41
FR-L0151	5.11.7.	30 x 45cm	1000 Nos.	3.290	2193.94
FR-L0152	5.11.8.	35 x 50 cm	1000 Nos.	3.530	2353.98
	<b>5.12.</b>	<b>Pot with seedlings</b>			
		Top x Bottom X Height			
FR-L0153	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.170	2113.91
FR-L0154	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.630	2420.67
FR-L0155	5.12.3	30 x 15 x 25 cm	1000 Nos.	5.790	3861.06
FR-L0156	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.600	5068.06
	<b>5.13.</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles to planting site.</b>			
FR-L0157	5.13.1.	Distance upto 200 Mts.			
		(i) Hills/hillocks			
FR-L0158		30 x 45 cm	1000 Nos.	15.000	10002.75
FR-L0159		35 x 50 cm	1000 Nos.	21.000	14003.85
		(ii) Plains			
FR-L0160		30 x 45 cm	1000 Nos.	11.000	7335.35
FR-L0161		35 x 50 cm	1000 Nos.	12.500	8335.63
	5.13.2.	Distance upto 0.5 km			
		i) Hills/Hillocks			
FR-L0162		8 x 15 cm	1000 Nos.	2.170	1447.06

FR-L0163		10 x 15 cm	1000 Nos.	2.740	1827.17
FR-L0164		10 x 20 cm	1000 Nos.	3.650	2434.00
FR-L0165		13 x 25 cm	1000 Nos.	5.980	3987.76
FR-L0166		16 x 30 cm	1000 Nos.	8.700	5801.60
FR-L0167		20 x 30 cm	1000 Nos.	10.870	7248.66
FR-L0168		30 x 45 cm	1000 Nos.	34.000	22672.90
FR-L0169		35 x 50 cm	1000 Nos.	54.000	36009.90
		ii) Plains			
FR-L0170		8 x 15 cm	1000 Nos.	1.300	866.91
FR-L0171		10 x 15 cm	1000 Nos.	1.640	1093.63
FR-L0172		10 x 20 cm	1000 Nos.	2.190	1460.40
FR-L0173		13 x 25 cm	1000 Nos.	3.590	2393.99
FR-L0174		16 x 30 cm	1000 Nos.	5.220	3480.96
FR-L0175		20 x 30 cm	1000 Nos.	6.520	4347.86
FR-L0176		30 x 45 cm	1000 Nos.	30.000	20005.50
FR-L0177		35 x 50 cm	1000 Nos.	40.000	26674.00
	5.13.3	Distance upto 1 km			
		i) Hills/hillocks			
FR-L0178		8 x 15 cm	1000 Nos.	2.570	1713.80
FR-L0179		10 x 15 cm	1000 Nos.	3.220	2147.26
FR-L0180		10 x 20 cm	1000 Nos.	4.300	2867.46
FR-L0181		13 x 25 cm	1000 Nos.	6.970	4647.94
FR-L0182		16 x 30 cm	1000 Nos.	10.000	6668.50
FR-L0183		20 x 30 cm	1000 Nos.	12.610	8408.98
FR-L0184		30 x 45 cm	1000 Nos.	70.000	46679.50
FR-L0185		35 x 50 cm	1000 Nos.	99.000	66018.15
		ii) Plains			
FR-L0186		8 x 15 cm	1000 Nos.	1.540	1026.95
FR-L0187		10 x 15 cm	1000 Nos.	1.930	1287.02

FR-L0188		10 x 20 cm	1000 Nos.	2.580	1720.47
FR-L0189		13 x 25 cm	1000 Nos.	4.180	2787.43
FR-L0190		16 x 30 cm	1000 Nos.	6.000	4001.10
FR-L0191		20 x 30 cm	1000 Nos.	7.570	5048.05
FR-L0192		30 x 45 cm	1000 Nos.	61.000	40677.85
FR-L0193		35 x 50 cm	1000 Nos.	85.000	56682.25
	<b>5.14.</b>	<b>Potted seedlings</b>			
	5.14.1.	<b>Distance upto 0.5 km</b>			
		<b>i) Hills/hillocks</b>			
FR-L0194		25 x 12 x 15 cm	100 Nos.	1.250	833.56
FR-L0195		30 x 12 x 15 cm	100 Nos.	1.500	1000.28
FR-L0196		30 x 15 x 25 cm	100 Nos.	3.140	2093.91
FR-L0197		40 x 15 x 30 cm	100 Nos.	5.020	3347.59
		<b>ii) Plains</b>			
FR-L0198		25 x 12 x 15 cm	100 Nos.	0.610	406.78
FR-L0199		30 x 12 x 15 cm	100 Nos.	0.730	486.80
FR-L0200		30 x 15 x 25 cm	100 Nos.	1.530	1020.28
FR-L0201		40 x 15 x 30 cm	100 Nos.	2.500	1667.13
	<b>5.14.2.</b>	<b>Distance upto 1 km</b>			
		<b>i) Hills/hillocks</b>			
FR-L0202		25 x 12 x 15 cm	100 Nos.	4.090	2727.42
FR-L0203		30 x 12 x 15 cm	100 Nos.	4.890	3260.90
FR-L0204		30 x 15 x 25 cm	100 Nos.	10.240	6828.54
FR-L0205		40 x 15 x 30 cm	100 Nos.	17.830	11889.94
		<b>ii) Plains</b>			
FR-L0206		25 x 12 x 15 cm	100 Nos.	1.430	953.60
FR-L0207		30 x 12 x 15 cm	100 Nos.	1.700	1133.65
FR-L0208		30 x 15 x 25 cm	100 Nos.	3.600	2400.66
FR-L0209		40 x 15 x 30 cm	100 Nos.	5.650	3767.70

	<b>5.15.</b>	<b>Distribution of polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot, in plains where the lead is</b>			
	5.15.1.	<b>Upto 100 m.</b>			
FR-L0210		8 x 15 cm	1000 Nos.	0.380	253.40
FR-L0211		10 x 15 cm	1000 Nos.	0.380	253.40
FR-L0212		10 x 20 cm	1000 Nos.	0.880	586.83
FR-L0213		13 x 25 cm	1000 Nos.	1.690	1126.98
FR-L0214		16 x 30 cm	1000 Nos.	3.130	2087.24
FR-L0215		20 x 30 cm	1000 Nos.	3.890	2594.05
FR-L0216		30 x 45 cm	1000 Nos.	10.000	6668.50
FR-L0217		35 x 50 cm	1000 Nos.	17.000	11336.45
	5.15.2.	<b>Upto 200 m</b>			
FR-L0218		8 x 15 cm	1000 Nos.	0.750	500.14
FR-L0219		10 x 15 cm	1000 Nos.	0.750	500.14
FR-L0220		10 x 20 cm	1000 Nos.	1.500	1000.28
FR-L0221		13 x 25 cm	1000 Nos.	2.250	1500.41
FR-L0222		16 x 30 cm	1000 Nos.	4.660	3107.52
FR-L0223		20 x 30 cm	1000 Nos.	5.830	3887.74
FR-L0224		30 x 45 cm	1000 Nos.	17.500	11669.88
FR-L0225		35 x 50 cm	1000 Nos.	26.500	17671.53
	5.15.3.	<b>Upto 500 m</b>			
FR-L0226		8 x 15 cm	1000 Nos.	1.440	960.26
FR-L0227		10 x 15 cm	1000 Nos.	1.440	960.26
FR-L0228		10 x 20 cm	1000 Nos.	2.750	1833.84
FR-L0229		13 x 25 cm	1000 Nos.	4.540	3027.50
FR-L0230		16 x 30 cm	1000 Nos.	8.220	5481.51
FR-L0231		20 x 30 cm	1000 Nos.	10.130	6755.19
FR-L0232		30 x 45 cm	1000 Nos.	41.000	27340.85
FR-L0233		35 x 50 cm	1000 Nos.	51.000	34009.35
	5.15.4.	<b>Upto 1000 m</b>			
FR-L0234		8 x 15 cm	1000 Nos.	1.810	1207.00
FR-L0235		10 x 15 cm	1000 Nos.	1.810	1207.00

FR-L0236		10 x 20 cm	1000 Nos.	3.790	2527.36
FR-L0237		13 x 25 cm	1000 Nos.	6.680	4454.56
FR-L0238		16 x 30 cm	1000 Nos.	10.730	7155.30
FR-L0239		20 x 30 cm	1000 Nos.	13.260	8842.43
FR-L0240		30 x 45 cm	1000 Nos.	67.000	44678.95
FR-L0241		35 x 50 cm	1000 Nos.	81.000	54014.85
	<b>5.16.</b>	<b>In Hills and hillocks where the lead is</b>			
	5.16.1.	<b>Upto 100 m</b>			
FR-L0242		8 x 15 cm	1000 Nos.	0.750	500.14
FR-L0243		10 x 15 cm	1000 Nos.	0.750	500.14
FR-L0244		10 x 20 cm	1000 Nos.	1.340	893.58
FR-L0245		13 x 25 cm	1000 Nos.	2.880	1920.53
FR-L0246		16 x 30 cm	1000 Nos.	6.000	4001.10
FR-L0247		20 x 30 cm	1000 Nos.	7.480	4988.04
FR-L0248		30 x 45 cm	1000 Nos.	18.000	12003.30
FR-L0249		35 x 50 cm	1000 Nos.	24.500	16337.83
	5.16.2.	<b>Upto 200 m</b>			
FR-L0250		8 x 15 cm	1000 Nos.	1.130	753.54
FR-L0251		10 x 15 cm	1000 Nos.	1.130	753.54
FR-L0252		10 x 20 cm	1000 Nos.	1.740	1160.32
FR-L0253		13 x 25 cm	1000 Nos.	4.640	3094.18
FR-L0254		16 x 30 cm	1000 Nos.	8.510	5674.89
FR-L0255		20 x 30 cm	1000 Nos.	10.430	6955.25
FR-L0256		30 x 45 cm	1000 Nos.	30.000	20005.50
FR-L0257		35 x 50 cm	1000 Nos.	37.000	24673.45
	5.16.3.	<b>Upto 500 m</b>			
FR-L0258		8 x 15 cm	1000 Nos.	1.750	1166.99
FR-L0259		10 x 15 cm	1000 Nos.	1.750	1166.99
FR-L0260		10 x 20 cm	1000 Nos.	3.710	2474.01
FR-L0261		13 x 25 cm	1000 Nos.	6.960	4641.28

FR-L0262		16 x 30 cm	1000 Nos.	13.310	8875.77
FR-L0263		20 x 30 cm	1000 Nos.	16.740	11163.07
FR-L0264		30 x 45 cm	1000 Nos.	52.500	35009.63
FR-L0265		35 x 50 cm	1000 Nos.	67.000	44678.95
	5.16.4.	<b>Upto 1000 m.</b>			
FR-L0266		8 x 15 cm	1000 Nos.	2.500	1667.13
FR-L0267		10 x 15 cm	1000 Nos.	2.500	1667.13
FR-L0268		10 x 20 cm	1000 Nos.	4.680	3120.86
FR-L0269		13 x 25 cm	1000 Nos.	9.660	6441.77
FR-L0270		16 x 30 cm	1000 Nos.	17.380	11589.85
FR-L0271		20 x 30 cm	1000 Nos.	21.740	14497.32
FR-L0272		30 x 45 cm	1000 Nos.	76.000	50680.60
FR-L0273		35 x 50 cm	1000 Nos.	97.000	64684.45
	<b>5.17.</b>	<b>Distribution of pot plants from foot of the hills where seedlings are stacked to the planting spot in plain where the lead is</b>			
	5.17.1.	<b>Upto 100 m</b>			
FR-L0274		30 x 15 x 25 cm	100 Nos.	0.620	413.45
	5.17.2.	<b>Upto 200 m</b>			
FR-L0275		30 x 15 x 25 cm	100 Nos.	1.190	793.55
	5.17.3.	<b>Upto 500 m</b>			
FR-L0276		30 x 15 x 25 cm	100 Nos.	1.710	1140.31
	5.17.4.	<b>Upto 1000 m</b>			
FR-L0277		30 x 15 x 25 cm	100 Nos.	3.280	2187.27
	<b>5.18.</b>	<b>In Hills and hillocks where the lead is</b>			
	5.18.1.	<b>Upto 100 m</b>			
FR-L0278		25 x 12 x 15 cm	100 Nos.	0.880	586.83
FR-L0279		30 x 15 x 25 cm	100 Nos.	1.500	1000.28
	5.18.2.	<b>Upto 200 m</b>			
FR-L0280		25 x 12 x 15 cm	100 Nos.	1.730	1153.65
FR-L0281		30 x 15 x 25 cm	100 Nos.	2.810	1873.85

	5.18.3.	<b>Upto 500 m</b>			
FR-L0282		25 x 12 x 15 cm	100 Nos.	3.250	2167.26
FR-L0283		30 x 15 x 25 cm	100 Nos.	5.180	3454.28
	5.18.4.	<b>Upto 1000 m</b>			
FR-L0284		25 x 12 x 15 cm	100 Nos.	5.400	3600.99
FR-L0285		30 x 15 x 25 cm	100 Nos.	8.880	5921.63
FR-L0286	5.20.	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	0.700	466.80
FR-L0287	5.21.	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	1.150	766.88
FR-L0288	5.22.	Planting the container plants by refilling pit of 60 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	1.710	1140.31
FR-L0289	5.23.	Replacement of casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.		50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.
FR-L0290	5.24.	Scrap weeding for 1 m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil. Both in plains and hillocks. Note: Whether done for first time or second time, the same rate	100 Nos.	1.230	820.23
FR-L0291	5.25.	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from the area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.880	1920.53
FR-L0292	5.26.	Forming catchwater drains for each plant of 90 x 45 x 30cm size in hillocks and hard gravelly soil.	100 Nos.	6.840	4561.25
FR-L0293	5.27.	Removing/scrapping vizal monsoon or bothai grass for one metre dia. around the plants.	100 Nos.	0.210	140.04
FR-L0294	5.36.	Kiluvai fencing around the Tamarind plants to a dia of 1 m. and height of 1m.	1 No.	0.800	533.48

FR-L0295	5.36.1	Brushwood fencing utilizing the cut materials obtained from the plantation around nursery.	Km	-	360.00
FR-L0296	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones with if available for semi circular bund as per the site conditions. <i>Note: This item of work should not be carried out for the plants for which catchwater drains or semi circular bunds are formed.</i>	each	-	2.00
FR-L0297	5.43.	Heaping the debris and burning	Ha.	2.00	1333.70
FR-L0298		a. Broadcast sowing of seeds of local leguminous	Ha	-	65.00
FR-L0299		b. Planting vegetative propagated cutting including cost and collction	each	-	3.80
FR-L0300		c. Protection charges watch and ward	1000 Nos	-	80.00
	<b>6.</b>	<b>TEAK</b>			
FR-L0301	6.2.	Preparation of teak stumps	1000 Nos.	6.000	4001.10
FR-L0302	6.4.	Digging crowbar holes and planting stumps(teak)	1000 Nos.	8.000	5334.80
FR-L0303	6.4.2.	Saucering like pits for planting teak stumps.	1000 Nos.	10.000	6668.50
FR-L0304	d	Digging wells in plantation sites including provision of herbs(side support to protect falling of earth or silting (4 m at top,1m bottom 2 m depth)	each P.W.D. RATE		
FR-L0305	7.1.2.	Maintenance of well in Casuarina plantation areas.	1 No.	0.400	266.74
FR-L0306	7.7.	For watering the casuarina plants from wells within the plantation site.	1000 Nos.	1.330	886.91
	<b>9.</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L0307	9.15.1.	Hardwood (Babul and other Acacia, Casuarina etc.,)	Tonne	2.410	1607.11
FR-L0308	9.15.2.	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.110	740.20

FR-L0309	10.2.1.	Thinning by cutting wattle trees at an espacement of 2.5 m x 2.5 m in wattle plantations	Ha.	26.000	17338.10
FR-L0310	10.2.2.	Debarking the stems and collecting the wattle bark.	per tonne of the bark	18.000	12003.30
FR-L0311	11	Digging water harvesting trenches of size 5.00mx1.00mx0.30m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	each	1.450	966.93
	<b>12</b>	<b>Removal of invasive species (Lantana camara, Eupatori, Parthenium, etc.,)</b>			
	12.1	<b>Fresh removal</b>			
FR-L0312	12.1.1	Heavy growth	Ha	100.00	66685.00
FR-L0313	12.1.2	Medium growth	Ha	68.97	45992.64
FR-L0314	12.1.3	Light growth	Ha	47.62	31755.40
	12.2	<b>2nd year maintenance</b>			
FR-L0315	12.2.1	Heavy growth	Ha	75.00	50013.75
FR-L0316		Medium growth	Ha	45.45	30308.33
FR-L0317		Light growth	Ha	35.00	23339.75
	12.3	<b>2nd year maintenance</b>			
FR-L0318		Heavy growth	Ha	48.40	32275.54
FR-L0319		Medium growth	Ha	37.50	25006.88
FR-L0320		Light growth	Ha	23.95	15971.06

## Forest Schedule of Rates 2024-2025

### Class A - Grade I District: Nilgris

Unique code	Standard Code No.	Description of operations	Unit	Man days required	Minimum wage rate 2024-25 (Nilgiris District)	Maximum admissible rate for 2024-25 (Nilgiris District)
	1.4	<b>1. SANDALWOOD OPERATIONS</b>				
		<b>Extraction and transport of marked Sandalwood trees from extraction. Site to forest depot debarking {without rough cleaning} including billeting in the case of trees of girth 91 cms. and above, marking the pits with paint numbering o pegs, trees upto 4 mt Height upto a distance of 2 Kms.</b>	Tree			
FR-L0321	14.1	0.15 CM	..do..	0.174	666.85	116.03
FR-L0322	14.2	16-30 CM	..do..	0.396	666.85	264.07
FR-L0323	14.3	31-45 CM	..do..	0.967	666.85	644.84
FR-L0324	14.4	4&60CM	..do..	1.920	666.85	1280.35
FR-L0325	14.5	61-75 CM	..do..	3.223	666.85	2149.26
FR-L0326	14.6	76-90 CM	..do..	4.675	666.85	3117.52
FR-L0327	1.4.7	91-105 CM	..do..	6.476	666.85	4318.52
FR-L0328	14.8	106-120 CM	..do..	8.427	666.85	5619.54
FR-L0329	14.9	121-135 CM	..do..	10.627	666.85	7086.61
FR-L0330	14.10	136-150 CM	..do..	12.977	666.85	8653.71
FR-L0331	14.11	151-165 CM	..do..	15.476	666.85	10320.17
FR-L0332	14.12	166-180 CM	..do-	18.124	666.85	12085.99

	1.5	<b>Extraction and transport by head load without rough cleaning from pftsite to forest depot after depot debarking upto 5 Kms. (For trees upto 4M. Height)</b>	Tree			
FR-L0333	1.5.1	0-15 CM	..do..	0.308	666.85	205.39
FR-L0334	1.5.5	16-30 CM	..do..	0.896	666.85	597.50
FR-L0335	1.5.3	31-45 CM		1.667	666.85	1111.64
FR-L0336	1.5.4	46-60 CM	..do-	3.220	666.85	2147.26
FR-L0337	1.5.5	61-75 CM	Tree	5.123	666.85	3416.27
FR-L0338	1.5.6	76-90 CM	..do..	7.375	666.85	4918.02
FR-L0339	1.5.7	91-105 CM	..do..	9.976	666.85	6652.50
FR-L0340	1.5.8	106-120CM "	..do..	12.627	666.85	8420.31
FR-L0341	1.5.9	121-135 CM	..do..	15.527	666.85	10354.18
FR-L0342	1.5.10	136-150 CM"	..do..	18.577	666.85	12388.07
FR-L0343	1.5.11	151-165 CM	..do..	21.776	666.85	14521.33
FR-L0344	1.5.12	166-180 CM	..do..	25.124	666.85	16753.94
	1.6	<b>Extraction and transport of undeanned trees from pit site to forest depot by headload above 5 Kms. and upto 10Kms. Only (Trees upto 4m. height Rate as in item 15 plus this rate towards transport for every additional Km. may be allowed.</b>	Tree			
FR-L0345	1.6.1	0.15 CM	..do..	0.040	666.85	26.67
FR-L0346	1.6.2	16-30 CM	..do..	0.130	666.85	86.69
FR-L0347	1.6.3	31-45 CM	..do..	0.52	666.85	346.76
FR-L0348	16.4	46-60 CM	..do..	0.440	666.85	293.41
FR-L0349	1.6.5	61-75 CM	..do..	0.700	666.85	466.80
FR-L0350	1.6.6	76-90 CM	..do..	1.00	666.85	666.85
FR-L0351	1.6.7	91-105 CM	..do..	1.34	666.85	893.58
FR-L0352	1.6.8	106-120 CM	..do..	1.660	666.85	1106.97
FR-L0353	1.6.9	121-135 CM	..do..	2.00	666.85	1333.70

FR-L0354	1.6.10	136-150 CM	..do..	2.234	666.85	1489.74
FR-L0355	1.6.11	151-165 CM	..do..	2.680	666.85	1787.16
FR-L0356	1.6.12	166-180 CM	..do-	3.020	666.85	2013.89
FR-L0357	1.9	Rough cleaning the unde- aned sandalwood trees	Tonne (unde- aned wood)	18.03	666.85	12023.31
FR-L0358	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding forsorage in single lock	Tonne cleaned wood	15.67	666.85	10449.54
	1.19	G.(Rubbing of mot classes of later at roots obtained in Kgs.)	Weight			
		<b>Above Below Upto</b>				
FR-L0359	1.19.1	0 to 2Kg	Weight	0.128	666.85	85.36
FR-L0360	1.19.2	2 to 4Kg	Weight	0.316	666.85	210.72
FR-L0361	1.19.3	4 to 6Kg	Weight	0.474	666.85	316.09
FR-L0362	1.19.4	6 to 8Kg	Weight	0.623	666.85	415.45
FR-L0363	1.19.5	8 to 10 Kg	Weight	0.768	666.85	512.14
FR-L0364	1.19.6	10 to 15 Kg	Weight	1.12	666.85	746.87
FR-L0365	1.19.7	15 to20 Kg	Weight	1.429	666.85	952.93
FR-L0366	1.19.8	20 to 25 Kg	Weight	1.716	666.85	1144.31
FR-L0367	1.19.9	25 to 30 Kg	Weight	2.029	666.85	1353.04
FR-L0368	1.19.10	30 to 40 Kg	Weight	2.592	666.85	1728.48
FR-L0369	1.19.11	40 to 50 kg	Weight	3.076	666.85	2051.23
		<b>2. FIRE PROTECTION</b>				
FR-L0370	2.1.1	Scrapping annually fire line to a width of 7.5m on Nilgi- ris, Upper Plains, Anamalisis etc.	KM	32.47	666.85	21652.62
FR-L0371	2.2.2	Scrapping annually fire line to a width of 7.5 meters with fire traing in palanis	KM	21.152	666.85	14105.21
FR-L0372	2.2.1	Scrapping annually fire line to a width of 6 meters in hill areas	KM	30.00	666.85	20005.50

FR-L0373	2.4	Annual clearing to 3 meters width and fire tracing around the plantations	KM	17.46	666.85	11643.20
		<b>3. DEMARCATION</b>				
FR-L0374	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc. to a width of 6 meters	KM	21.00	666.85	14003.85
FR-L0375	3.3	Survey and demarcation including cutting in wide lines for coupes and plantations (chain and compass survey)	100 Mts	0.31	666.85	206.72
FR-L0376	3.5.1	Demarcation by planting with boundary stone pillars of 0.15Mx 0.15Mx1.8M. Size excluding the cost of stones but including transport from road site to field and headload transport from unloading point to planting site upto 5 KM.	Each	PWD rate		
FR-L0377	3.5.2	For every additional KM beyond 5 KM. limited to 50KM. - including initial lead.	Each stone	PWD rate		
	<b>3.6.1</b>	<b>Planting of boundary stone pillars of 0.15Mx0.15Mx0.90M (excluding cost of stone; stone pillars to be planted in pits of size 30cmx30cmx40cm. For demarcation of plants where the lead from unloading point to planting site is</b>				
FR-L0378		(i) Upto 5 KM	Each	PWD rate		
FR-L0379		(u) For every additional KM	Each	PWD rate		
FR-L0380	3.7	Replanting of fallen R.F. boundary stone including repairing on R.R. dry packing base	Each -	1.00	666.85	666.85
		<b>4. NURSERY OPERATIONS</b>				
FR-L0381	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10Mx1M size	200Sq. ft for 10 standard beds)	2.42	666.85	1613.78
FR-L0382	4.6	formation of trenches size 10 m. length 1m. Width and 0.30m/0.45m. Depth, burying mud pots in trenches and filling sand to thickness 0.75cm. As bottom and top layers and between the pots	One trench	2.00	666.85	1333.70
FR-L0383	4.5.1	Watering the germination beds twice daily with rose can	10 beds per day	0.82	666.85	546.82

FR-L0384	4.5.2	Watering the germination beds once daily with rose can	10 beds per day	0.41	666.85	273.41
	4.4	<b>Preparation of soil mixture by breaking cfoods sieving and mixing of fertile earth (including red soD, silt and sand etc! according to requirementsandfarmyardmanure,heapingatthefillingsiteandfilling in- poly. Bags arranging bags in beds and pricking out the seedlings.</b>				
		<b>Note:</b> The proportion of fertie earth and FYM will be fixed by the respective CFS for polythene containers sis				
FR-L0385	4.6.1	8x15 CM	1000 bags	3.05	666.85	2033.89
FR-L0386	4.6.2	10x15 CM	1000 bags	3.28	666.85	2187.27
FR-L0387	4.6.3	10x20 CM	1000 bags	3.53	666.85	2353.98
FR-L0388	4.6.4	13x25 CM	1000 bags	4.48	666.85	2987.49
FR-L0389	4.6.5	16x30 CM	1000 bags	5.95	666.85	3967.76
FR-L0390	4.6.6	20x30 CM	1000 bags	7.44	666.85	4961.36
FR-L0391	4.6.7	30x45 CM	1000 bags	28.57	666.85	19051.90
FR-L0392	4.6.8	35x50 (HDPE WOVEN BAGS)	1000 bags	37.00	666.85	24673.45
	4.7	<b>Filling in mud pots with good earth and Farm Yard Manure, excluding cost of farmyard manure and pricking out seedlings in the pots</b>				
FR-L0393		40x15x30 CM	100 Nos	2.80	666.85	1867.18
FR-L0394		30x15x25 CM	100 Nos	1.75	666.85	1166.99
FR-L0395		25x12x15 CM	100 Nos	0.70	666.85	466.80
FR-L0396	4.9	Forming temporary shade pandals 10mx1m. including collection of grasses	per Pandal	1.00	666.85	666.85
	4.10	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m-20m ram beds)</b>				
FR-L0397	4.10.1	8x15 CM	1000 /day	0.16	666.85	106.70
FR-L0398	4.10.2	10x15 CM	1000 /day	0.16	666.85	106.70
FR-L0399	4.10.3	10x20 CM	1000 /day	0.20	666.85	133.37
FR-L0400	4.10.4	13x25 CM	1000 /day	0.23	666.85	153.38
FR-L0401	4.10.5	16x30 CM	1000 /day	0.37	666.85	246.73
FR-L0402	4.10.6	20x30 CM	1000 /day	0.46	666.85	306.75
FR-L0403	4.10.7	30x45 CM	1000 /day	0.56	666.85	373.44

FR-L0404	4.10.8.	35x50 CM	1000 /day	0.86	666.85	573.49
	4.11	<b>Watering the container, plants once a day (50% of the above item)</b>				
FR-L0405	4.11.1	8x15 CM	1000 /day	0.08	666.85	53.35
FR-L0406	4.11.2	10x15 CM	1000 /day	0.08	666.85	53.35
FR-L0407	4.11.3	10x20 CM	1000 /day	0.10	666.85	66.69
FR-L0408	4.11.4	13x25 CM	1000 /day	0.12	666.85	76.69
FR-L0409	4.11.5	16x30 CM	1000 /day	0.19	666.85	123.37
FR-L0410	4.11.6	20x30 CM	1000 /day	0.23	666.85	153.38
FR-L0411	4.10.7	30x45 CM	1000 /day	0.28	666.85	186.72
FR-L0412	4.10.8.	35x50 CM	1000 /day	0.43	666.85	286.75
		<b>Note:</b> (i) Watering not to be done on rainy days ( ii ) Watering regime fixed by the PCCF/CCF/CF foreach circle should be followed.				
	4.12	<b>Watering mud pots using (rose can, twice daily) excluding cost of water (water storage pits should be dugup within 10 to 20 m. from beds in nursery)</b>				
FR-L0413	4.12.1	25x15x12 CM	1000 /day	0.53	666.85	353.43
FR-L0414	4.12.2	30x15x12 CM	1000 /day	0.53	666.85	353.43
FR-L0415	4.12.3	30x25x15 CM	1000 /day	0.75	666.85	500.14
FR-L0416	4.12.4	40x13x25 CM	1000 /day	1.43	666.85	953.60
FR-L0417	4.13	Rood watering in sunken beds of 10mx1m	Bed/day	0.03	666.85	20.01
	4.14	<b>Shifting and grading potted seedlings m file nursery</b>				
FR-L0418	4.14.1	25x15x12 CM	1000/shift	2.31	666.85	1540.42
FR-L0419	4.14.2	30x15x12 CM	1000/shift	2.75	666.85	1833.84
FR-L0420	4.14.3	30x25x15 CM	1000/shfft	4.37	666.85	2914.13
FR-L0421	4.14.4	40x13x25 CM	1000/shfft	5.53	666.85	3687.68
	4.15	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags</b>				
FR-L0421	4.15.1	9x15 CM	1000/ shrft	0.25	666.85	166.71

FR-L0422	4.15.2	10X15CM	1000/ shrft	0.29	666.85	193.39
FR-L0423	4.15.3	10x20 CM	1000/shift	0.33	666.85	220.06
FR-L0424	4.15.4	3x25 CM	1000/shift	0.51	666.85	340.09
FR-L0425	4.15.5	6x30 CM	1000/shift	0.79	666.85	526.81
FR-L0426	4.15:6	20x30 CM	1000/shift	0.97	666.85	646.84
FR-L0427	4.15.7	30x45 CM	1000/shift	2.69	666.85	1793.83
FR-L0428	4.15.8	35x50 CM	1000/shift	3.77	666.85	2514.02
	4.15	<b>Note:</b> shifting to be done once in 21 days, firs shifting not before 45 days after pricking out				
FR-L0429	4.18.4	Cost of water for watering the container seedlings from private well	1000 Bags			
		<b>5. PLANTING SITE PREPARATION</b>				
FR-L0430	5.1	<b>Ploughing the land</b>	Hec.	(TAF-CORN rate may be adopted)		
FR-L0431	5.1.1	Once				
FR-L0432	5.1.2	Twice				
	5.2	<b>Aligning and marking or stacking excluding cost of stacks</b>				
FR-L0433	5.2.1	Plains and tank beds (square and rectangular planting)	1000 Nos	1.38	666.85	920.25
FR-L0434	5.2.4	Augment for strip plantations including avenues	1000 Nos	1.38	666.85	920.25
	5.3	<b>Digging 30cm3 pits in hillocks and hard gravelly soil</b>				
FR-L0435	5.3.1	Non-rainy season	100 Nos	2.60	666.85	1733.81
FR-L0436	5.3.2	Rainy season	100 Nos	2.16	666.85	1440.40
	5.4	<b>Digging 30cm3 pits in fankbed areas and plains bthertfian hard gravelly soil)</b>				
FR-L0437	5.4.1	Non-rainy season	100 Nos	2.09	666.85	1393.72
FR-L0438	5.4.2	Rainy season	100 Nos	1.75	666.85	1166.99
	<b>5.5</b>	<b>Digging 45cm3 pits in hillocks and hard gravelly soil</b>				

FR-L0439	5.5.1	Non-rainy season	100 Nos	4.70	666.85	3134.20
FR-L0440	5.5.2	Rainy season	100 Nos	3.92	666.85	2614.05
	<b>5.6.</b>	<b>Digging 45cm<sup>3</sup> pits in tankbed areas and plains other than hard gravelly soil)</b>				
FR-L0441	5.6.1	Non-rainy season	100 Nos	3.87	666.85	2580.71
FR-L0442	5.6.2	Rainy season	100 Nos	3.23	666.85	2153.93
	5.7	<b>Digging 30cm<sup>3</sup> pits in Sandy loam soil</b>				
FR-L0443	5.7.1	Non-rainy season or rainy season	100 Nos	1.51	666.85	1006.94
	5.8	<b>Digging 60cm<sup>3</sup> pits in all types of soils for avenue plantation</b>				
FR-L0444	5.8.1	Non-rainy season	100 Nos	9.26	666.85	6175.03
FR-L0445	5.8.2	Rainy season	100 Nos	7.72	666.85	5148.08
	5.9	<b>Digging 30cm<sup>3</sup> pits in ploughed area (25% of item 5.4)</b>				
FR-L0446		Non-rainy Season		0.5225	666.85	348.43
FR-L0447		Rainy season		0.4375	666.85	291.75
	5.11	<b>Loading and unloading poly bag container plants in private/ departmental / vehicles upto a lead o 2Km. (Excluding hire charges for the vehicles)</b>				
FR-L0448	5.11.1	8x15 CM	1000 Nos	0.66	666.85	440.12
FR-L0449	5.11.2	10x15 CM	1000 Nos	0.90	666.85	600.17
FR-L0450	5.11.3	10x20 CM	1000 Nos	1.08	666.85	720.20
FR-L0451	5.11.4	13x25 CM	1000 Nos	1.53	666.85	1020.28
FR-L0452	5.11.5	16x30 CM	1000 Nos	1.79	666.85	1193.66
FR-L0453	5.11.6	20x30 CM	1000 Nos	2.22	666.85	1480.41
FR-L0454	5.11.7	30x45 CM	1000 Nos	3.29	666.85	2193.94
FR-L0455	5.11.3	35x50 CM	1000 Nos	3.53	666.85	2353.98
	<b>5.12</b>	<b>Pots with Seedlings</b>				
FR-L0456	5.12.1	25x15x12 CM	1000 Nos	3.17	666.85	2113.91
FR-L0457	5.12.2	30x15x12 CM	1000 Nos	3.63	666.85	2420.67
FR-L0458	5.12.3	30x25x15 Cm	1000 Nos	5.79	666.85	3861.06

FR-L0459	5.12.4	40x30x15 CM	1000 Nos	7.60	666.85	5068.06
	<b>5.13</b>	<b>Transporting of polythene container seedlings by head toads in the places where approach roads are not available to take vehicles of planting site</b>				
	5.13.1	<b>Distance upto 200 meters</b>				
	(i)	<b>Hill / Hillock</b>				
FR-L0460		30x45 CM	1000 Nos	15.00	666.85	10002.75
FR-L0461		35x50 CM	1000 Nos	21.00	666.85	14003.85
	(ii)	<b>Plains</b>				
FR-L0462		30x45 CM	1000 Nos	11.00	666.85	7335.35
FR-L0463		35x50 CM	1000 Nos	12.50	666.85	8335.63
	<b>5.13.2</b>	<b>Distance upto 0.5 Km</b>				
	(i)	<b>Hill / Hillock</b>				
FR-L0464		8x15 CM	1000 Nos	2.17	666.85	1447.06
FR-L0465		10x15 CM	1000 Nos	2.74	666.85	1827.17
FR-L0466		10x20 CM `	1000 Nos	3.65	666.85	2434.00
FR-L0467		13x25 CM	1000 Nos	5.98	666.85	3987.76
FR-L0468		16x30 cm	1000 Nos	8.70	666.85	5801.60
FR-L0469		20x30 CM	1000 Nos	10.87	666.85	7248.66
FR-L0470		30x45 CM	1000 Nos	34.00	666.85	22672.90
FR-L0471		35x50 CM	1000 Nos	54.00	666.85	36009.90
	(ii)	<b>Plains (60% of the above rate except for the last two items )</b>				
FR-L0472		Bx15 CM	1000 Nos	1.302	666.85	868.24
FR-L0473		10x15 CM	1000 Nos	1.644	666.85	1096.30
FR-L0474		10x20 CM	1000 Nos	2.19	666.85	1460.40
FR-L0475		13x25 CM	1000 Nos	3.588	666.85	2392.66
FR-L0476		16x30 CM	1000 Nos	5.22	666.85	3480.96
FR-L0477		20x30 CM	1000 Nos	6.522	666.85	4349.20
FR-L0478		30x45 CM	1000 Nos	30.00	666.85	20005.50

FR-L0479		35x50 CM	1000 Nos	40.00	666.85	26674.00
	5.13.3	<b>Distance upto 1 Km</b>				
	(i)	<b>Hill / Hillock</b>				
FR-L0480		8x15 CM	1000 Nos	2.57	666.85	1713.80
FR-L0481		10x15 CM	1000 Nos	3.22	666.85	2147.26
FR-L0482		10x20 CM	1000 Nos	4.30	666.85	2867.46
FR-L0483		13x25 CM	1000 Nos	6.97	666.85	4647.94
FR-L0484		16x30 CM	1000 Nos	10.00	666.85	6668.50
FR-L0485		20x30 CM'	1000 Nos	12.60	666.85	8402.31
FR-L0486		30x45 CM	1000 Nos	70.00	666.85	46679.50
FR-L0487		35x50 CM	1000 Nos	99.00	666.85	66018.15
	(ii)	<b>Plains (60% of the above rate except for the last two items )</b>				
FR-L0488		8x15 CM	1000 Nos	1.542	666.85	1028.28
FR-L0489		10x15 CM	1000 Nos	1.932	666.85	1288.35
FR-L0490		10x20 CM	1000 Nos	2.58	666.85	1720.47
FR-L0491		13x25 CM	1000 Nos	4.182	666.85	2788.77
FR-L0492		16x30 CM	1000 Nos	6.000	666.85	4001.10
FR-L0493		20x30 CM	1000 Nos	7.56	666.85	5041.39
FR-L0494		30x45 CM	1000 Nos	42.00	666.85	28007.70
FR-L0495		35x50 CM	1000Nos	59.40	666.85	39610.89
	<b>5.14</b>	<b>Potted Seedlings</b>				
	5.14.1	<b>Distance upto 0.5 Km</b>				
	(i)	<b>Hills Hillocks</b>				
FR-L0496		25x15x12 CM	100 Nos	1.25	666.85	833.56
FR-L0497		30x15x12 CM	100 Nos	1.50	666.85	1000.28
FR-L0498		30x25x15 Cm	100 Nos	3.14	666.85	2093.91
FR-L0499		40x30x15 CM	100 Nos	5.02	666.85	3347.59
	(ii)	<b>Plains</b>				
FR-L0500		25x15x12CM	100 Nos	0.61	666.85	406.78

FR-L0501		30x15x12 CM	100 Nos	0.73	666.85	486.80
FR-L0502		30x25x15 CM	100 Nos	1.53	666.85	1020.28
FR-L0503		40x30x15 CM	100 Nos	2.45	666.85	1633.78
	5.14.2	<b>Distance upto 1 Km</b>				
	(i)	<b>Hills Hillocks</b>				
FR-L0504		25x15x12 CM	100 Nos	4.09	666.85	2727.42
FR-L0505		30x15x12 CM	100 Nos	4.89	666.85	3260.90
FR-L0506		30x25x15 Cm	100 Nos	10.24	666.85	6828.54
FR-L0507		40x30x15 CM	100 Nos	17.83	666.85	11889.94
	(ii)	<b>Plains</b>				
FR-L0508		25x15x12 CM	100 Nos	1.43	666.85	953.60
FR-L0509		30x15x12 CM	100 Nos	1.70	666.85	1133.65
FR-L0510		30x25x15 Cm	100 Nos	3.60	666.85	2400.66
FR-L0511		40x30x15 CM	100 Nos	5.65	666.85	3767.70
	5.15	<b>Distribution of poly container seedlings from foot of the hills or from where seedlings are stacked to the planting spot in plains where the lead is</b>				
	5.15.1	<b>Upto 100 m</b>				
FR-L0512		8x15 CM	1000 Nos	0.41	666.85	273.41
FR-L0513		10x15 CM	1000 Nos	0.38	666.85	253.40
FR-L0514		10x20 CM	1000 Nos	0.88	666.85	586.83
FR-L0515		13x25 CM	1000 Nos	1.69	666.85	1126.98
FR-L0516		16x30 CM	1000 Nos	3.13	666.85	2087.24
FR-L0517		20x30 CM	1000 Nos	3.89	666.85	2594.05
FR-L0518		30x45 CM	1000 Nos	10.00	666.85	6668.50
FR-L0519		35x50CM	1000 Nos	17.00	666.85	11336.45
	5.15.2	<b>Upto 200 m</b>				
FR-L0520		8x15 CM	1000 Nos	0.75	666.85	500.14
FR-L0521		10x15 CM	1000 Nos	0.75	666.85	500.14

FR-L0522		10x20 CM	1000 Nos	1.50	666.85	1000.28
FR-L0523		13x25 CM	1000 Nos	2.25	666.85	1500.41
FR-L0524		16x30 CM	1000 Nos	4.66	666.85	3107.52
FR-L0525		20x30 CM	1000 Nos	5.78	666.85	3854.39
FR-L0526		30x45 CM	1000 Nos	17.50	666.85	11669.88
FR-L0527		35x50 CM	1000 Nos	26.50	666.85	17671.53
	5.15.3	<b>Upto 500 CM</b>				
FR-L0528		8x15 CM	1000 Nos	1.44	666.85	960.26
FR-L0529		0x15 CM	1000 Nos	1.44	666.85	960.26
FR-L0530		0x20 CM	1000 Nos	2.75	666.85	1833.84
FR-L0531		13x25 CM	1000 Nos	4.54	666.85	3027.50
FR-L0532		6x30 CM	1000 Nos	8.22	666.85	5481.51
FR-L0533		20x30 CM	1000 Nos	10.13	666.85	6755.19
FR-L0534		0x45 CM	1000 Nos	41.00	666.85	27340.85
FR-L0535		5x50 CM	1000 Nos	51.00	666.85	34009.35
	5.15.4	<b>Upto 1000 m</b>				
FR-L0536		3x15 CM	1000 Nos	1.81	666.85	1207.00
FR-L0537		0x15 CM	1000 Nos	1.81	666.85	1207.00
FR-L0538	*	0x20 CM	1000 Nos	3.79	666.85	2527.36
FR-L0539		3x25 CM	1000 Nos	6.68	666.85	4454.56
FR-L0540	<b>1</b>	6x30 CM	1000 Nos	10.73	666.85	7155.30
FR-L0541		0x30CM	1000 Nos	13.26	666.85	8842.43
FR-L0542		30x45 CM	1000 Nos	67.00	666.85	44678.95
FR-L0543		35x50 CM	1000 Nos	81.00	666.85	54014.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>				
	5.16.1	<b>Upto 100 m</b>				
FR-L0544		8x15 CM	1000 Nos	0.75	666.85	500.14
FR-L0545		10x15 CM	1000 Nos	0.75	666.85	500.14

FR-L0546		10x20 CM	1000 Nos	1.34	666.85	893.58
FR-L0547		13x25 CM	1000 Nos	2.88	666.85	1920.53
FR-L0548		16x30 CM	1000 Nos	6.00	666.85	4001.10
FR-L0549		20x30 CM	1000 Nos	7.48	666.85	4988.04
FR-L0550		30x45 CM	1000 Nos	18.00	666.85	12003.30
FR-L0551		35x50 CM	1000 Nos	24.50	666.85	16337.83
	5.16.2	<b>Upto 200m</b>				
FR-L0552		8x15 CM	1000 Nos	1.13	666.85	753.54
FR-L0553		10x15 CM	1000 Nos	1.13	666.85	753.54
FR-L0554		10x20 CM	1000 Nos	1.74	666.85	1160.32
FR-L0555		13x25 CM	1000 Nos	4.64	666.85	3094.18
FR-L0556		16x30 CM	1000 Nos	8.51	666.85	5674.89
FR-L0557		20x30 CM	1000 Nos	10.43	666.85	6955.25
FR-L0558		30x45 CM	1000Nos	30.00	666.85	20005.50
FR-L0559		35x50'CM	1000 Nos	37.00	666.85	24673.45
	5.16.3	<b>Upto 500 m</b>				
FR-L0560		8x15 CM	1000 Nos	1.76	666.85	1173.66
FR-L0561		10x15 CM	1000 NOS	1.75	666.85	1166.99
FR-L0562		10x20 CM	1000 Nos	3.71	666.85	2474.01
FR-L0563		13x25 CM	1000 Nos	6.96	666.85	4641.28
FR-L0564		16x30 CM	1000 Nos	13.31	666.85	8875.77
FR-L0565		20x30 CM	1000 Nos	16.74	666.85	11163.07
FR-L0566		30x45 CM	1000 Nos	52.50	666.85	35009.63
FR-L0567		35x50 CM	1000 Nos	67.00	666.85	44678.95
	5.16.4	<b>Upto 1000 m</b>				
FR-L0568		8x15 CM	1000 Nos	2.50	666.85	1667.13
FR-L0569		0x15 CM	1000 Nos	2.50	666.85	1667.13

FR-L0570		0x20 CM	1000 Nos	4.68	666.85	3120.86
FR-L0571		3x25 CM	1000 Nos	9.66	666.85	6441.77
FR-L0572		6x30 CM	1000 Nos	17.38	666.85	11589.85
FR-L0573		20x30 CM	1000 Nos	21.74	666.85	14497.32
FR-L0574		30x45 CM	1000 Nos	76.00	666.85	50680.60
FR-L0575		35x50 CM	1000 Nos	97.00	666.85	64684.45
FR-L0576	5.17	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spo in plains where the lead is</b>				
	5.17.1	<b>Upto 100 m</b>				
FR-L0577		30x25x15 Cm	100 Nos	0.62	666.85	413.45
	5.17.2	<b>Upto 200 m</b>				
FR-L0578		30x25x15 Cm	100 Nos	1.19	666.85	793.55
	5.17.3	<b>Upto 500 m</b>				
FR-L0579		30x25x15 Cm	100 Nos	1.71	666.85	1140.31
	5.17.4	<b>Upto 1000 m</b>				
FR-L0580		30x25x15 Cm	100 Nos	3.28	666.85	2187.27
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>				
	5.18.1	<b>Upto 100 m</b>				
FR-L0581		25x15x12 CM	100 Nos	0.88	666.85	586.83
FR-L0582		30x25x15 Cm	100 Nos	1.50	666.85	1000.28
	5.18.2	<b>Upto 200 m</b>				
FR-L0583		25x15x12 CM	100 Nos	1.73	666.85	1153.65
FR-L0584		30x25x15 Cm	100 Nos	2.81	666.85	1873.85
	5.18.3	<b>Upto 500 m</b>				
FR-L0585		25x15x12 CM	100 Nos	3.25	666.85	2167.26
FR-L0586		30x25x15 Cm	100 Nos	5.18	666.85	3454.28
	5.18.4	<b>Upto 1000 m</b>				
FR-L0587		25x15x12 CM	100 Nos	5.40	666.85	3600.99
FR-L0588		30x25x15 Cm	100 Nos	8.88	666.85	5921.63

FR-L0589	5.20	Planting the container plants by refilling pits of 30cm <sup>3</sup> size in plains and hillocks	100 Nos	0.70	666.85	466.80
FR-L0590	5.21	Planting the container plants by refilling pits of 45cm <sup>3</sup> size in plains and hillocks	100 Nos	1.15	666.85	766.88
FR-L0591	5.22	Anting the potted seedlings in 60cm <sup>3</sup> pits excluding transport in vehicle) in avenue	100 Nos	1.71	666.85	1140.31
	5.23	Replacement of casualties by re-opening the ailed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	100 Nos	50% of the charges for digging pits and appropriate size during rainy days and the full cost of planting in the appropriate size pits		
FR-L0592	5.24	Scrap weeding for 1 m dia and soil working 15cm. Depth around each plant and removing the grass roots away from the site or upturning the soil; Both in plains and hillocks.	100 Nos	1.23	666.85	820.23
		<b>Note:</b> Whether done for first time or second time the same rate				
FR-L0593	5.25	Forming semi circular bunds to the plants in the hillocks by collecting stone and earth from that area forming a revetment on the lower side with stone and earth heaped and giving inward slope	100 Nos	2.88	666.85	1920.53
FR-L0594	5.26	Forming catch water drains for each plant of 90x45x30cm. Size in hillocks and hard ground soil	100 Nos	6.84	666.85	4561.25
FR-L0595	5.27	Removing the grass vizai monsoon or both grass for one meter dia around tree plants	100 Nos	0.21	666.85	140.04

FR-L0596	5.36	KSuvai fencing around the tamarind plants to a dia of 1m. and height of 1m.	1 No	0.80	666.85	533.48
FR-L0597	5.39	Maintenance of tree guard constructed as per specification in item no. 5.36 as per standardised	Per tree			
FR-L0598	5.43	Heaping the debris and burning.....	Ha	2.00	666.85	1333.70
FR-L0599	6.2	Preparation of teak stumps	1000 Nos	6.00	666.85	4001.10
FR-L0600	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos	8.00	666.85	5334.80
FR-L0601	6.4.2	Saucering like pits for planting teak stumps	1000 Nos	10.00	666.85	6668.50
FR-L0602	7.12	Maintenance of well in casuarina plantation areas	1No	0.40	666.85	266.74
FR-L0603	7.7	Plot watering the casuarina plants from wells within the plantation site	1000 Nos	1.33	666.85	886.91
	9	<b>Timber operations and allied activities</b>				
FR-L0604	9.15.1	Hardwood (Babul and other acacia causerina etc.)	Tonne	2.41	666.85	1607.11
FR-L0605	9.15.2	riedium Wood (Eucaiyptus, Wattle etc.)	Tonne	1.11	666.85	740.20
FR-L0606	10.2.1	Thinning by cutting wattle trees at an escapement of 2.5x2.5m. in wattle plantations	Ha	26.00	666.85	17338.10
FR-L0607	10.2.2	Debarking the stems and collecting the wattle bark	Per tonne	18.00	666.85	12003.30
FR-L0608		Digging pits of 45cm <sup>3</sup> in the ploughed lands for TCPL (Pc-cfs (HFF) No. TS1/23018/10 dated 02.03.11)	100 Nos	1.62	666.85	1080.30
FR-L0609	11	Digging water harvesting trenches of size 5.00 mx1.00mx0.30m -with inward slope in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope/trench (This rate will be applicable only for the work done manually-Measurements far trench and bund should be recorded in M.Book)	Each	1.445	666.85	963.60

	12	<b>Removal of invasive species (Lantana-camara, Eupatorium, Parthenium etc.,)</b>				
	12.1	<b>Fresh removal</b>				
FR-L0610	12.1.1.	Heavy growth	Ha	100.00	666.85	66685.00
FR-L0611	12.1.2	Medium growth	Ha	69.00	666.85	46012.65
FR-L0612	12.1.3	Light growth	Ha	47.6	666.85	31742.06
	12.2.	<b>2nd Year maintenance</b>				
FR-L0613	12.2.1	Heavy growth	Ha	75.00	666.85	50013.75
FR-L0614	12.2.2.	Medium growth	Ha	45.45	666.85	30308.33
FR-L0615	12.2.3	Light growth	Ha	35.00	666.85	23339.75
	12.3	<b>3rd Year maintenance</b>				
FR-L0616	12.3.1	Heavy growth	Ha	48.40	666.85	32275.54
FR-L0617	12.3.2	Medium growth	Ha	37.50	666.85	25006.88
FR-L0618	12.3.3	Light growth	Ha	23.95	666.85	15971.06

## Forest Schedule of Rates 2024-2025

### Class A - Grade I District: Tirunelveli

Unicode	Standard Code No.	Description of operations	Unit	Mandays required	Tirunelveli District (Rs. 666.85 / per day)
		<b>1. SANDALWOOD OPERATIONS</b>			
	1.4	<b>Extraction and transport of marked sandalwood trees from extraction site to forest depot debarking (Without rough cleaning) including billeting in the case of trees of girth 91 cms and above, marking the pits with paint, numbering of pegs, trees upto 4 mt. Height upto a distance of 2 kms.</b>	Tree		
FR-L0619	1.4.1	0 - 15 cm		0.174	76.85
FR-L0620	1.4.2	16 - 30 cm		0.396	174.89
FR-L0621	1.4.3	31 - 45 cm		0.967	427.08
FR-L0622	1.4.4	46 - 60 cm		1.920	847.97
FR-L0623	1.4.5	61 - 75 cm		3.223	1423.44
FR-L0624	1.4.6.	76 - 90 cm		4.675	2064.71
FR-L0625	1.4.7.	91 - 105 cm		6.476	2860.13
FR-L0626	1.4.8	106 - 120 cm		8.427	3721.78
FR-L0627	1.4.9	121 - 135 cm		10.627	4693.41
FR-L0628	1.4.10	136 - 150 cm		12.977	5731.29
FR-L0629	1.4.11	151 - 165 cm		15.476	6834.98
FR-L0630	1.4.12	166 - 180 cm		18.124	8004.46
	1.5	<b>Extraction and transport by headload without rough cleaning from pitsite to forest depot after debarking upto 5 kms (For trees upto 4 m height)</b>	Tree.		
FR-L0631	1.5.1	0 - 15 cm		0.308	136.03

FR-L0632	1.5.2	16 - 30 cm		0.896	395.72
FR-L0633	1.5.3	31 - 45 cm		1.667	736.23
FR-L0634	1.5.4	46 - 60 cm		3.220	1422.11
FR-L0635	1.5.5	61 - 75 cm		5.123	2262.57
FR-L0636	1.5.6	76 - 90 cm		7.375	3257.17
FR-L0637	1.5.7	91 - 105 cm		9.976	4405.90
FR-L0638	1.5.8	106 - 120 cm		12.627	5576.71
FR-L0639	1.5.9	121 - 135 cm		15.527	6857.50
FR-L0640	1.5.10	136 - 150 cm		18.577	8204.53
FR-L0641	1.5.11	151 - 165 cm		21.776	9617.37
FR-L0642	1.5.12	166 - 180 cm		25.124	11096.01
	<b>1.6</b>	<b>Extraction and transport of uncleaned trees from pit site to forest depot by head-load above 5 kms and upto 10 kms only. (Trees upto 4 m height) Rate as in item 1.5 plus this rate towards transport for every additional km. may be allowed.</b>	Tree		
FR-L0643	1.6.1	0 - 15 cm		0.040	17.67
FR-L0644	1.6.2	16 - 30 cm		0.130	57.41
FR-L0645	1.6.3	31 - 45 cm		0.220	97.16
FR-L0646	1.6.4	46 - 60 cm		0.440	194.33
FR-L0647	1.6.5	61 - 75 cm		0.700	309.16
FR-L0648	1.6.6	76 - 90 cm		1.000	441.65
FR-L0649	1.6.7	91 - 105 cm		1.340	591.81
FR-L0650	1.6.8	106 - 120 cm		1.660	733.14
FR-L0651	1.6.9	121 - 135 cm		2.000	883.30
FR-L0652	1.6.10	136 - 150 cm		2.234	986.65
FR-L0653	1.6.11	151 - 165 cm		2.680	1183.62
FR-L0654	1.6.12	166 - 180 cm		3.020	1333.78

FR-L0655	1.9	Rough cleaning the un-cleaned sandalwood trees.	Tonne (uncleaned wood)	18.03	7962.95
FR-L0656	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned dhips rough weighing and adding for storage in single lock	Tonne (uncleaned wood)	15.67	6920.66
	1.19	Grubbing of root classes of lateral roots obtained in kgs.	Per kg.		
		<b>Above - below &amp; upto</b>			
FR-L0657	1.19.1	0 - 2 kg		0.128	56.53
FR-L0658	1.19.2	2 - 4 kg		0.316	139.56
FR-L0659	1.19.3	4 - 6 kg		0.474	209.34
FR-L0660	1.19.4	6 - 8 kg		0.623	275.15
FR-L0661	1.19.5	8 - 10 kg		0.768	339.19
FR-L0662	1.19.6	10 - 15 kg		1.120	494.65
FR-L0663	1.19.7	15 - 20 kg		1.429	631.12
FR-L0664	1.19.8	20 - 25 kg		1.716	757.87
FR-L0665	1.19.9	25 - 30 kg		2.029	896.11
FR-L0666	1.19.10	30 - 40 kg		2.592	1144.76
FR-L0667	1.19.11	40 - 50 kg		3.076	1358.52
		<b>2. FIRE PROTECTION</b>			
FR-L0668	2.1.1	Scraping annually fire line to a width of 7.5 meters in Nilgris, upper Palanis, Anamalais etc.	KM	Not Applicable to this circle	
FR-L0669	2.2.1	Scraping annually fire line to a width of 6 meters in hill areas	KM	30.00	13249.50
FR-L0670	2.2.2	Scraping annually fire line to a width of 7.5 meters with fire tracing in plains	KM	21.52	9504.31
FR-L0671	2.4	Annual clearing to 3 meters width and fire tracing around the plantations.	KM	17.46	7711.21
		<b>3. DEMARCATION</b>			
FR-L0672	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc. to a width of 6 meters.	KM	21.00	9274.65

FR-L0673	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and Compass survey.)	100 Metres	0.31	136.91
FR-L0674	3.5.1	Demarcation by planting with boundary stone pillars of 0.15 m x 0.15 m x 1.8 m size excluding the cost of stones but including transport from road site to field and headload transport from unloading point to planting site upto 5 kms.	Each stone	P.W.D. rate.	
FR-L0675	3.5.2	For every additional km. Beyond 5 km. Limited to 50 km including initial lead.	Each stone	P.W.D. rate.	
	<b>3.6.1</b>	<b>Planting of boundary stone pillars of 0.15 m x 0.15 m x 0.90 m (excluding cost of stone) stone pillars to be planted in pits of size 30 cm x 30 cm x 45 cm for demarcation of plantations, where the lead from unloading point to planting site is</b>			
FR-L0676		( i ) Upto 5 km	Each	P.W.D. rate	
FR-L0677		(ii) For every additional km	Each	P.W.D. rate	
FR-L0678	3.7	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base.	Each	1.00	441.65
		<b>4. NURSERY OPERATIONS</b>			
FR-L0679	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size.	200 sq.mt (for 10 Standard beds)	2.42	1068.79
FR-L0680	4.2	Formation of germination bed of size 10 m x 1.0 m x 0.30 m	One bed		
FR-L0681	4.4	Formation of trenches of size 10m length 1 m width and 0.30 m /0.45 m depth, burying mud posts in treaches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00	883.30
FR-L0682	4.5.1	Watering the germination beds twice daily with rose can	10 beds/ day	0.82	362.15
FR-L0683	4.5.2	Watering the germination beds once daily with rose can	10 beds/ day	0.41	181.08

	4.6	<b>Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings. (Excluding cost of earth and farmyard manure)</b>			
		<b>Note:</b> The proportion of fertile earth and Farm Yard Manure will be fixed by the respective Conservator of Forest's For polythene containers size.			
FR-L0684	4.6.1	8 x 15 cm	1000 bags	3.05	1347.03
FR-L0685	4.6.2	10 x 15 cm	1000 bags	3.28	1448.61
FR-L0686	4.6.3	10 x 20 cm	1000 bags	3.53	1559.02
FR-L0687	4.6.4	13 x 25 cm	1000 bags	4.48	1978.59
FR-L0688	4.6.5	16 x 30 cm	1000 bags	5.95	2627.82
FR-L0689	4.6.6	20 x 30 cm	1000 bags	7.44	3285.88
FR-L0690	4.6.7	30 x 45 cm	1000 bags	28.57	12617.94
FR-L0691	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	16341.05
	4.7	<b>Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the posts.</b>			
		Top x Bottom x Height			
FR-L0692		40 x 15 x 30 cm	100 Nos.	2.80	1236.62
FR-L0693		30 x 15 x 25 cm	100 Nos.	1.75	772.89
FR-L0694		25 x 12 x 15 cm	100 Nos.	0.70	309.16
FR-L0695	4.9	Forming temporary shade pandals 10 m x 1 m including collection of grasses, materials etc.	Per pandal	1.00	441.65
	4.10	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10 m - 20 m from beds)</b>			
FR-L0696	4.10.1	8 x 15 cm	1000 / day	0.16	70.66
FR-L0697	4.10.2	10 x 15 cm	1000 / day	0.16	70.66
FR-L0698	4.10.3	10 x 20 cm	1000 / day	0.20	88.33
FR-L0699	4.10.4	13 x 25 cm	1000 / day	0.23	101.58
FR-L0700	4.10.5	16 x 30 cm	1000 / day	0.37	163.41
FR-L0701	4.10.6	20 x 30 cm	1000 / day	0.46	203.16

FR-L0702	4.10.7	30 x 45 cm	1000 / day	0.56	247.32
FR-L0703	4.10.8	35 x 50 cm	1000 / day	0.86	379.82
	<b>4.11</b>	<b>Watering the container plants once a day</b>			
FR-L0704	4.11.1	8 x 15 cm	1000 / day	0.080	35.33
FR-L0705	4.11.2	10 x 15 cm	1000 / day	0.080	35.33
FR-L0706	4.11.3	10 x 20 cm	1000 / day	0.100	44.17
FR-L0707	4.11.4	13 x 25 cm	1000 / day	0.115	50.79
FR-L0708	4.11.5	16 x 30 cm	1000 / day	0.185	81.71
FR-L0709	4.11.6	20 x 30 cm	1000 / day	0.23	101.58
FR-L0710	4.11.7	30 x 45 cm	1000 / day	0.28	123.66
FR-L0711	4.11.8	35 x 50 cm	1000 / day	0.43	189.91
		Note : 1) watering not to be done on rainy days 2) Watering regime fixed by the PCCF / CCF / CF for each circle should be followed.			
	<b>4.12</b>	<b>Watering mud pots using (rose can, twice daily)excluding cost of water (Water storage pits should be dugup within 10 to 20m from beds in the nursery).</b>			
		Top x Bottom x Height			
FR-L0712	4.12.1	25 x 12 x 15 cm	1000 / day	0.53	234.07
FR-L0713	4.12.2	30 x 12 x 15 cm	1000 / day	0.53	234.07
FR-L0714	4.12.3	30 x 15 x 25 cm	1000 / day	0.75	331.24
FR-L0715	4.12.4	40 x 15 x 30 cm	1000 / day	1.43	631.56
FR-L0716	4.13	Flood watering in sunken beds of 10mx1m	Bed / day	0.03	13.25
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
		Top x Bottom x Height			
FR-L0717	4.14.1	25 x 12 x 15 cm	1000 / shift	2.31	1020.21
FR-L0718	4.14.2	30 x 12 x 15 cm	1000 / shift	2.75	1214.54
FR-L0719	4.14.3	30 x 15 x 25 cm	1000 / shift	4.37	1930.01
FR-L0720	4.14.4	40 x 15 x 30 cm	1000 / shift	5.53	2442.32

	<b>4.15</b>	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags.</b>			
FR-L0721	4.15.1	8 x 15 cm	1000 / shift	0.25	110.41
FR-L0722	4.15.2	10 x 15 cm	1000 / shift	0.29	128.08
FR-L0723	4.15.3	10 x 20 cm	1000 / shift	0.33	145.74
FR-L0724	4.15.4	13 x 25 cm	1000 / shift	0.51	225.24
FR-L0725	4.15.5	16 x 30 cm	1000 / shift	0.79	348.90
FR-L0726	4.15.6	20 x 30 cm	1000 / shift	0.97	428.40
FR-L0727	4.15.7	30 x 45 cm	1000 / shift	2.69	1188.04
FR-L0728	4.15.8	35 x 50 cm	1000 / shift	3.77	1665.02
		Note : Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			
FR-L0729	4.21	Digging water storage pit Top 3 x 3m Bottom 2.1 x 2.1 m; Depth 1.0 m	One pit	P.W.D. Rate may be followed	
		<b>5. PLANTING SITE PREPARATION</b>			
FR-L0730	5.1	Ploughing the land With Tractor- Disc plough	Hec	TAF CORN rate may be followed.	
FR-L0731	5.1.1	Once			
FR-L0732	5.1.2	Twice			
	<b>5.2</b>	<b>Alingning and marking or stacking excluding cost of stacks</b>			
FR-L0733	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	920.25
FR-L0734	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38	920.25
	<b>5.3</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L0735	5.3.1	Non rainy season	100 Nos	2.60	1733.81
FR-L0736	5.3.2	Rainy season	100 Nos	2.16	1440.40
	<b>5.4</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L0737	5.4.1	Non rainy season	100 Nos.	2.09	1393.72
FR-L0738	5.4.2	Rainy season	100 Nos.	1.75	1166.99

	<b>5.5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L0739	5.5.1	Non rainy season	100 Nos.	4.70	3134.20
FR-L0740	5.5.2	Rainy season	100 Nos.	3.92	2614.05
	<b>5.6</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L0741	5.6.1	Non rainy season	100 Nos.	3.87	2580.71
FR-L0742	5.6.2	Rainy season	100 Nos.	3.23	2153.93
FR-L0743	5.7	Digging 30 cm <sup>3</sup> pits in sandy loam soil Rainy season or non-rainy season	100 Nos.	1.51	1006.94
	<b>5.8</b>	<b>Digging 60 cm<sup>3</sup> pits in all types of soils for avenue plantation.</b>			
FR-L0744	5.8.1	Non rainy season	100 Nos.	9.26	6175.03
FR-L0745	5.8.2	Rainy season	100 Nos.	7.72	5148.08
	5.9	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos.	(25% of Item 5.4)	
FR-L0746		Non rainy season		0.52	346.76
FR-L0747		Rainy season		0.44	293.41
	<b>5.11</b>	<b>Loading and unloading polybag container plants in private/ Departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)</b>			
FR-L0748	5.11.1	8 x 15 cm	1000 Nos.	0.66	440.12
FR-L0749	5.11.2	10 x 15 cm	1000 Nos.	0.90	600.17
FR-L0750	5.11.3	10 x 20 cm	1000 Nos.	1.08	720.20
FR-L0751	5.11.4	13 x 25 cm	1000 Nos.	1.53	1020.28
FR-L0752	5.11.5	16 x 30 cm	1000 Nos.	1.79	1193.66
FR-L0753	5.11.6	20 x 30 cm		2.22	1480.41
FR-L0754	5.11.7	30 x 45 cm		3.29	2193.94
FR-L0755	5.11.8	35 x 50 cm	1000 Nos.	3.53	2353.98
	<b>5.12</b>	<b>Pots with seedlings</b>			
		Top x Bottom x Height			
FR-L0756	5.12.1	25 x 12 x 15 cm	1000 / Nos.	3.17	2113.91
FR-L0757	5.12.2	30 x 12 x 15 cm	1000 / Nos.	3.63	2420.67

FR-L0758	5.12.3	30 x 15 x 25 cm	1000 / Nos.	5.79	3861.06
FR-L0759	5.12.4	40 x 15 x 30 cm	1000 / Nos.	7.60	5068.06
	<b>5.13</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles to planting site.</b>			
	5.13.1	<b>Distance upto 200 Mts.</b>			
		<b>( i ) Hills / hillocks</b>			
FR-L0760		30 x 45 cm	1000 Nos.	15.00	10002.75
FR-L0761		35 x 50 cm	1000 Nos.	21.00	14003.85
		<b>(ii) Plains</b>			
FR-L0762		30 x 45 cm	1000 Nos.	11.00	7335.35
FR-L0763		35 x 50 cm	1000 Nos.	12.50	8335.63
	5.13.2	<b>Distance upto 0.5 km.</b>			
		<b>( i ) Hills / hillocks</b>			
FR-L0764		8 x 15 cm	1000 Nos.	2.17	1447.06
FR-L0765		10 x 15 cm	1000 Nos.	2.74	1827.17
FR-L0766		10 x 20 cm	1000 Nos.	3.65	2434.00
FR-L0767		13 x 25 cm	1000 Nos.	5.98	3987.76
FR-L0768		16 x 30 cm	1000 Nos.	8.70	5801.60
FR-L0769		20 x 30 cm	1000 Nos.	10.87	7248.66
FR-L0770		30 x 45 cm	1000 Nos.	34.00	22672.90
FR-L0771		35 x 50 cm	1000 Nos.	54.00	36009.90
	5.13.2	<b>(i) Plains</b>			
FR-L0772		8 x 15 cm	1000 Nos.	1.30	866.91
FR-L0773		10 x 15 cm	1000 Nos.	1.64	1093.63
FR-L0774		10 x 20 cm	1000 Nos.	2.19	1460.40
FR-L0775		13 x 25 cm	1000 Nos.	3.59	2393.99
FR-L0776		16 x 30 cm	1000 Nos.	5.22	3480.96
FR-L0777		20 x 30 cm	1000 Nos.	6.52	4347.86
FR-L0778		30 x 45 cm	1000 Nos.	30.00	20005.50
FR-L0779		35 x 50 cm	1000 Nos.	40.00	26674.00

	5.13.3	<b>Distance upto 1 km.</b>			
		<b>( i ) Hills / hillocks</b>			
FR-L0780		8 x 15 cm	1000 Nos.	2.57	1713.80
FR-L0781		10 x 15 cm	1000 Nos.	3.22	2147.26
FR-L0782		10 x 20 cm	1000 Nos.	4.30	2867.46
FR-L0783		13 x 25 cm	1000 Nos.	6.97	4647.94
FR-L0784		16 x 30 cm	1000 Nos.	10.00	6668.50
FR-L0785		20 x 30 cm	1000 Nos.	12.61	8408.98
FR-L0786		30 x 45 cm	1000 Nos.	70.00	46679.50
FR-L0787		35 x 50 cm	1000 Nos.	99.00	66018.15
	5.13.3	<b>( ii ) Plains</b>			
FR-L0788		8 x 15 cm	1000 Nos.	1.54	1026.95
FR-L0789		10 x 15 cm	1000 Nos.	1.93	1287.02
FR-L0790		10 x 20 cm	1000 Nos.	2.58	1720.47
FR-L0791		13 x 25 cm	1000 Nos.	4.18	2787.43
FR-L0792		16 x 30 cm	1000 Nos.	6.00	4001.10
FR-L0793		20 x 30 cm	1000 Nos.	7.57	5048.05
FR-L0794		30 x 45 cm	1000 Nos.	61.00	40677.85
FR-L0795		35 x 50 cm	1000 Nos.	85.00	56682.25
	<b>5.14</b>	<b>Potted seedlings.</b>			
	5.14.1	<b>Distance upto 0.5 km</b>			
		<b>( i ) Hills / hillocks</b>			
FR-L0796		25 x 12 x 15 cm	100 Nos.	1.25	833.56
FR-L0797		30 x 12 x 15 cm	100 Nos.	1.50	1000.28
FR-L0798		30 x 15 x 25 cm	100 Nos.	3.14	2093.91
FR-L0799		40 x 15 x 30 cm	100 Nos.	5.02	3347.59
		<b>(ii) Plains</b>			
FR-L0800		25 x 12 x 15 cm	100 Nos.	0.61	406.78

FR-L0801		30 x 12 x 15 cm	100 Nos.	0.73	486.80
FR-L0802		30 x 15 x 25 cm	100 Nos.	1.53	1020.28
FR-L0803		40 x 15 x 30 cm	100 Nos.	2.45	1633.78
	5.14.2	<b>Distance upto 1 Km.</b>			
		<b>( i ) Hills / hillocks</b>			
FR-L0804		25 x 12 x 15 cm	100 Nos.	4.09	2727.42
FR-L0805		30 x 12 x 15 cm	100 Nos.	4.89	3260.90
FR-L0806		30 x 15 x 25 cm	100 Nos.	10.24	6828.54
FR-L0807		40 x 15 x 30 cm	100 Nos.	17.83	11889.94
		<b>(ii) Plains</b>			
FR-L0808		25 x 12 x 15 cm	100 Nos.	1.43	953.60
FR-L0809		30 x 12 x 15 cm	100 Nos.	1.70	1133.65
FR-L0810		30 x 15 x 25 cm	100 Nos.	3.60	2400.66
FR-L0811		40 x 15 x 30 cm	100 Nos.	5.65	3767.70
	<b>5.15</b>	<b>Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is</b>			
	5.15.1	<b>Upto 100 m.</b>			
FR-L0812		8 x 15 cm	1000 Nos.	0.38	253.40
FR-L0813		10 x 15 cm	1000 Nos.	0.38	253.40
FR-L0814		10 x 20 cm	1000 Nos.	0.88	586.83
FR-L0815		13 x 25 cm	1000 Nos.	1.69	1126.98
FR-L0816		16 x 30 cm	1000 Nos.	3.13	2087.24
FR-L0817		20 x 30 cm	1000 Nos.	3.89	2594.05
FR-L0818		30 x 45 cm	1000 Nos.	10.00	6668.50
FR-L0819		35 x 50 cm	1000 Nos.	17.00	11336.45
	5.15.2	<b>Upto 200 m</b>			
FR-L0820		8 x 15 cm	1000 Nos.	0.75	500.14
FR-L0821		10 x 15 cm	1000 Nos.	0.75	500.14

FR-L0822		10 x 20 cm	1000 Nos.	1.50	1000.28
FR-L0823		13 x 25 cm	1000 Nos.	2.25	1500.41
FR-L0824		16 x 30 cm	1000 Nos.	4.66	3107.52
FR-L0825		20 x 30 cm	1000 Nos.	5.83	3887.74
FR-L0826		30 x 45 cm	1000 Nos.	17.50	11669.88
FR-L0827		35 x 50 cm	1000 Nos.	26.50	17671.53
	5.15.3	<b>Upto 500 m</b>			
FR-L0828		8 x 15 cm	1000 Nos.	1.44	960.26
FR-L0829		10 x 15 cm	1000 Nos.	1.44	960.26
FR-L0830		10 x 20 cm	1000 Nos.	2.75	1833.84
FR-L0831		13 x 25 cm	1000 Nos.	4.54	3027.50
FR-L0832		16 x 30 cm	1000 Nos.	8.22	5481.51
FR-L0833		20 x 30 cm	1000 Nos.	10.13	6755.19
FR-L0834		30 x 45 cm	1000 Nos.	41.00	27340.85
FR-L0835		35 x 50 cm	1000 Nos.	51.00	34009.35
	5.15.4	<b>Upto 1000 m</b>			
FR-L0836		8 x 15 cm	1000 Nos.	1.81	1207.00
FR-L0837		10 x 15 cm	1000 Nos.	1.81	1207.00
FR-L0838		10 x 20 cm	1000 Nos.	3.79	2527.36
FR-L0839		13 x 25 cm	1000 Nos.	6.68	4454.56
FR-L0840		16 x 30 cm	1000 Nos.	10.73	7155.30
FR-L0841		20 x 30 cm	1000 Nos.	13.26	8842.43
FR-L0842		30 x 45 cm	1000 Nos.	67.00	44678.95
FR-L0843		35 x 50 cm	1000 Nos.	81.00	54014.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	5.16.1	<b>Upto 100 m.</b>			
FR-L0844		8 x 15 cm	1000 Nos.	0.75	500.14
FR-L0845		10 x 15 cm	1000 Nos.	0.75	500.14

FR-L0846		10 x 20 cm	1000 Nos.	1.34	893.58
FR-L0847		13 x 25 cm	1000 Nos.	2.88	1920.53
FR-L0848		16 x 30 cm	1000 Nos.	6.00	4001.10
FR-L0849		20 x 30 cm	1000 Nos.	7.48	4988.04
FR-L0850		30 x 45 cm	1000 Nos.	18.00	12003.30
FR-L0851		35 x 50 cm	1000 Nos.	24.50	16337.83
	5.16.2	<b>Upto 200</b>			
FR-L0852		8 x 15 cm	1000 Nos.	1.13	753.54
FR-L0853		10 x 15 cm	1000 Nos.	1.13	753.54
FR-L0854		10 x 20 cm	1000 Nos.	1.74	1160.32
FR-L0855		13 x 25 cm	1000 Nos.	4.64	3094.18
FR-L0856		16 x 30 cm	1000 Nos.	8.51	5674.89
FR-L0857		20 x 30 cm	1000 Nos.	10.43	6955.25
FR-L0858		30 x 45 cm	1000 Nos.	30.00	20005.50
FR-L0859		35 x 50 cm	1000 Nos.	37.00	24673.45
	5.16.3	<b>Upto 500 m</b>			
FR-L0860		8 x 15 cm	1000 Nos.	1.75	1166.99
FR-L0861		10 x 15 cm	1000 Nos.	1.75	1166.99
FR-L0862		10 x 20 cm	1000 Nos.	3.71	2474.01
FR-L0863		13 x 25 cm	1000 Nos.	6.96	4641.28
FR-L0864		16 x 30 cm	1000 Nos.	13.31	8875.77
FR-L0865		20 x 30 cm	1000 Nos.	16.74	11163.07
FR-L0866		30 x 45 cm	1000 Nos.	52.50	35009.63
FR-L0867		35 x 50 cm	1000 Nos.	67.00	44678.95
	5.16.4	<b>Upto 1000 m</b>			
FR-L0868		8 x 15 cm	1000 Nos.	2.50	1667.13
FR-L0869		10 x 15 cm	1000 Nos.	2.50	1667.13
FR-L0870		10 x 20 cm	1000 Nos.	4.68	3120.86

FR-L0871		13 x 25 cm	1000 Nos.	9.66	6441.77
FR-L0872		16 x 30 cm	1000 Nos.	17.38	11589.85
FR-L0873		30 x 45 cm	1000 Nos.	76.00	50680.60
FR-L0874		35 x 50 cm	1000 Nos.	97.00	64684.45
	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is</b>			
	5.17	<b>Upto 100 m</b>			
FR-L0875		30 x 15 x 25 cm	100 Nos.	0.62	413.45
	5.17.2	<b>Upto 200 m</b>			
FR-L0876		30 x 15 x 25 cm	100 Nos.	1.19	793.55
	5.17.3	<b>Upto 500 m</b>			
FR-L0877		30 x 15 x 25 cm	100 Nos.	1.71	1140.31
	5.17.4	<b>Upto 1000 m</b>			
FR-L0878		30 x 15 x 25 cm	100 Nos.	3.28	2187.27
	5.18	In hills and hillocks where the lead is			
	5.18.1	<b>Upto 100 m</b>			
FR-L0879		25 x 12 x 15 cm	100 Nos.	0.88	586.83
FR-L0880		30 x 15 x 25 cm	100 Nos.	1.50	1000.28
	5.18.2	<b>Upto 200 m</b>			
FR-L0881		25 x 12 x 15 cm	100 Nos.	1.73	1153.65
FR-L0882		30 x 15 x 25 cm	100 Nos.	2.81	1873.85
	5.18.3	<b>Upto 500 m</b>			
FR-L0883		25 x 12 x 15 cm	100 Nos.	3.25	2167.26
FR-L0884		30 x 15 x 25 cm	100 Nos.	5.18	3454.28
	5.18.4	<b>Upto 1000 m</b>			
FR-L0885		25 x 12 x 15 cm	100 Nos.	5.40	3600.99
FR-L0886		30 x 15 x 25 cm	100 Nos.	8.88	5921.63
FR-L0887	5.20	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	0.70	466.80

FR-L0888	5.21	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15	766.88
FR-L0889	5.22	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71	1140.31
FR-L0890	5.23	Replacement casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L0891	5.24	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks.	100 Nos.	1.23	820.23
		Note : Whether done for first time or second time, the same rate.			
FR-L0892	5.25	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1920.53
FR-L0893	5.26	Forming catch water drains for each plant of 90 x 45 x 30 cm size in hillocks and hard gravelley soil	100 Nos.	6.84	4561.25
FR-L0894	5.27	Removing / scrapping vizal mansoon or bothai grass for one metre dia around the plants	100 Nos.	0.21	140.04
FR-L0895	5.36	Kiluvai fencing around the tamarind plants to a dia. Of 1 m and height of 1m.	1 No.	0.80	533.48
FR-L0896	5.43	Heapaing the debris and burning	Ha.,	2.00	1333.70
	<b>6.</b>	<b>TEAK</b>			
FR-L0897	6.2	Preparation of teak stumps.	1000 Nos.	6.00	4001.10
FR-L0898	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00	5334.80
FR-L0899	6.4.2	Saucering like pits for planting teak stumps.	1000 Nos.	10.00	6668.50
FR-L0900	7.1.1	Digging wells in plantation sites including provision of herbs (side support to protect falling of earth or silting (4 m at top, 1 m bottom, 2 m depth)	each	PWD rate	

FR-L0901	7.1.2	Maintenance of well in casuarina plantation areas.	1 No.	0.40	266.74
FR-L0902	7.7	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33	886.91
	<b>9.</b>	<b>Timber Operations and Allied Activities</b>			
	9.15	Filling, Billetting and stacking of Firewood departmentally into billets in 1m long, arranging in stacks of 2m. length, 1 m wide and 1m wide and 1m. height.			
FR-L0903	9.15.1.	Hard wood (Babul and other Acacia Casuarina etc.,)	Tonne	2.41	1607.11
FR-L0904	9.15.2.	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	740.20
FR-L0905	10.2.1.	Thinning by cutting wattle tree at an espacement of 2.5 m x 2.5 m in wattle plantations.	Ha.	26.00	17338.10
FR-L0906	10.2.2.	Debarking the stems and collecting the wasttle bark.	Per Tonne of the bark	18.00	12003.30
FR-L0907	11	Digging waterharvesting trenches of size 5.00 m x 1.00m c 0.30 m with inward slope in plains, gentle slpppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope/ trench (this rate will be applicable only for the work done manually-Measurements for trench and bund should be recorded in M.Book)	Each	1.445	963.60
	<b>12</b>	<b>Removal of invasive species ( Lantana - Camara, Eupatorium, Parthenium etc.,)</b>			
	<b>12.1</b>	<b>Fresh removal</b>			
FR-L0908	12.1.1	Heavy growth	Ha.	100.00	66685.00
FR-L0909	12.1.2	Medium growth	Ha.	68.97	45992.64
FR-L0910	12.1.3	Light growth	Ha.	47.62	31755.40
	<b>12.2</b>	<b>2nd Year mainatnance</b>			
FR-L0911	12.2.1	Heavy growth	Ha.	75.00	50013.75
FR-L0912	12.2.2	Medium growth	Ha.	45.45	30308.33

FR-L0913	12.2.3	Light growth	Ha.	35.00	23339.75
	<b>12.3</b>	<b>3rd Year maintenance</b>			
FR-L0919	12.3.1	Heavy growth	Ha.	48.40	32275.54
FR-L0920	12.3.2	Medium growth	Ha.	37.50	25006.88
FR-L0921	12.3.3	Light growth	Ha.	23.95	15971.06

## Forest Schedule of Rates 2024-2025

### Class B - Grade II - District: Salem

Unique code	Standard Code No.	Description of operations	Unit	Mandays required	Salem District (Rs.666.85 / per day)
	<b>1.</b>	<b>SANDALWOOD OPERATIONS</b>			
	<b>1.4</b>	Extraction and transport of marked sandal- wood trees from extraction site to forest depot debarking (without rough cleaning) including bil-leting in the case of trees of girth 91cms and above, marking the pits with paint, distance of 2 kms.			
FR-L0922	1.4.1	0 - 15 cm	Tree	0.174	114.99
FR-L0923	1.4.2	16 - 30 cm		0.396	261.70
FR-L0924	1.4.3	31 - 45 cm		0.967	639.04
FR-L0925	1.4.4	46 - 60 cm		1.920	1268.83
FR-L0926	1.4.5	61 - 75 cm		3.223	2129.92
FR-L0927	1.4.6	76 - 90 cm		4.675	3089.47
FR-L0928	1.4.7	91 - 105 cm		6.476	4279.66
FR-L0929	1.4.8	106 - 120 cm		8.427	5568.98
FR-L0930	1.4.9	121 - 135 cm		10.627	7022.85
FR-L0931	1.4.10	136 - 150 cm		12.977	8575.85
FR-L0932	1.4.11	151 - 165 cm		15.476	10227.31
FR-L0933	1.4.12	166 - 180 cm		18.124	11977.25
	<b>1.5</b>	<b>Extraction and transport by head load without rough cleaning from pit site to forest depot after debarking upto 5kms (For trees upto 4 m height).</b>			
FR-L0934	1.5.1	0 - 15 cm		0.308	203.54
FR-L0935	1.5.2	16 - 30 cm		0.896	592.12
FR-L0936	1.5.3	31 - 45 cm		1.667	1101.64
FR-L0937	1.5.4	46 - 60 cm		3.220	2127.94
FR-L0938	1.5.5	61 - 75 cm		5.123	3385.53
FR-L0939	1.5.6	76 - 90 cm		7.375	4873.77
FR-L0940	1.5.7	91 - 105 cm		9.976	6592.64

FR-L0941	1.5.8	106 - 120 cm		12.627	8344.55
FR-L0942	1.5.9	121 - 135 cm		15.527	10261.02
FR-L0943	1.5.10	136 - 150 cm		18.577	12276.61
FR-L0944	1.5.11	151 - 165 cm		21.776	14390.67
FR-L0945	1.5.12	166 - 180 cm		25.124	16603.20
	<b>1.6</b>	<b>Extraction and transport of uncleaned trees from pit site to forest depot by head load above 5 kms and upto 10 kms only (Trees upto 4m height) Rates as in item 1.5 plus this rate towards transport for every additional km. may be allowed.</b>			
			Tree		
FR-L0946	1.6.1	0 - 15 cm		0.040	26.43
FR-L0947	1.6.2	16 - 30 cm		0.130	85.91
FR-L0948	1.6.3	31 - 45 cm		0.220	145.39
FR-L0949	1.6.4	46 - 60 cm		0.440	290.77
FR-L0950	1.6.5	61 - 75 cm		0.700	462.60
FR-L0951	1.6.6	76 - 90 cm		1.000	660.85
FR-L0952	1.6.7	91 - 105 cm		1.340	885.54
FR-L0953	1.6.8	106 - 120 cm		1.660	1097.01
FR-L0954	1.6.9	121 - 135 cm		2.000	1321.70
FR-L0955	1.6.10	136 - 150 cm		2.234	1476.34
FR-L0956	1.6.11	151 - 165 cm		2.680	1771.08
FR-L0957	1.6.12	166 - 180 cm		3.020	1995.77
FR-L0958	<b>1.9</b>	Rough cleaning the uncleaned sandalwood trees	Tonne (uncleaned wood)	18.030	11915.13
FR-L0959	<b>1.10</b>	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for storage in single lock	Tonne (uncleaned wood)	15.670	10355.52
	<b>1.19</b>	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	Per kg.		
FR-L0960	1.19.1	0 - 2 kg.		0.128	84.59

FR-L0961	1.19.2	2 - 4 kg.		0.316	208.83
FR-L0962	1.19.3	4 - 6 kg.		0.474	313.24
FR-L0963	1.16.4	6 - 8 kg.		0.623	411.71
FR-L0964	1.19.5	8 - 10 kg.		0.768	507.53
FR-L0965	1.19.6	10 - 15 kg.		1.120	740.15
FR-L0966	1.19.7	15 - 20 kg.		1.429	944.35
FR-L0967	1.19.8	20 - 25 kg.		1.716	1134.02
FR-L0968	1.19.9	25 - 30 kg.		2.029	1340.86
FR-L0969	1.19.10	30 - 40 kg.		2.592	1712.92
FR-L0970	1.19.11	40 - 50 kg.		3.076	2032.77
	<b>2.</b>	<b>FIRE PROTECTION</b>			
FR-L0971	2.1.1	Scraping annually fire line to a width of 7.5 mts in Nilgiris, upper Palani, Anamalais etc.	Km	Not related to this circle	
FR-L0972	2.2.1	Scraping annually fire line to a width of 6 mts in hill areas.	Km	30.00	19825.50
FR-L0973	2.2.2	Scraping annually fire line to a width of 7.5 mts with fire tracing in plains	Km	21.52	14221.49
FR-L0974	<b>2.4</b>	Annual clearing to 3 meters width and fire tracing around the plantations	Km	17.46	11538.44
	<b>3.</b>	<b>DEMARCATATION</b>			
FR-L0975	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc., to a width of 6 mts.	Km	21.00	13877.85
FR-L0976	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and compass survey)	100 Mts.	0.31	204.86
FR-L0977	3.5.1	Demarcation by planting with boundary stone pillars of 0.15m x 0.15m x 1.8m size excluding the cost of stones but including transport from road site to field & head load transport from unloading point to planting site upto 5km	Each stone	P.W.D. Rate	

FR-L0978	3.5.2	For every additional km. Beyond 5km .limited to 50 km including initial lead.	Each stone	P.W.D. Rate	
	3.6.1	Planting of boundary stone pillars of 0.15mx0.15mx0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations, where the lead from unloading point to planting site			
FR-L0979		(i) Upto 5 km	Each stone	P.W.D. Rate	
FR-L0980		(ii) For every additional km	Each stone	P.W.D. Rate	
FR-L0981	<b>3.7</b>	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base	Each	1.00	660.85
	<b>4.</b>	<b>NURSERY OPERATIONS</b>			
FR-L0982	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size	200 sq.mt. (for 10 standard beds)	2.42	1599.26
FR-L0983	4.2	Formation of germination bed of size 10 x 1.0 x 0.30 m	One bed	FSR 1986-87	0.00
FR-L0984	4.4	Formation of trenches of size 10 m length 1 m width and 0.30 m/0.45 m depth, burying mud pots in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00	1321.70
FR-L0985	4.5.1	Watering the germination beds twice daily with rose can	10 beds/day	0.82	541.90
FR-L0986	4.5.2	Watering the germination beds once daily with rose can	10 beds/day	0.41	270.95
	<b>4.6</b>	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags, arranging bags in beds and pricking out the seedlings (Excluding cost of fertile earth and farmyardmanure)			
		<b>Note:</b> The proportion of earth and farmyard manure will be fixed by the respective Conservator of Forests for polythene container size			
FR-L0987	4.6.1	8 x 15 cm	1000 bags	3.05	2015.59
FR-L0988	4.6.2	10 x 15 cm	1000 bags	3.28	2167.59
FR-L0989	4.6.3	10 x 20 cm	1000 bags	3.53	2332.80

FR-L0990	4.6.4	13 x 25 cm	1000 bags	4.48	2960.61
FR-L0991	4.6.5	16 x 30 cm	1000 bags	5.95	3932.06
FR-L0992	4.6.6	20 x 30 cm	1000 bags	7.44	4916.72
FR-L0993	4.6.7	30 x 45 cm	1000 bags	28.57	18880.48
FR-L0994	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	24451.45
FR-L0995	4.6.9	Collection and supply of good quality of red earth including transporting upto 5km. <b>Note:</b> Minimum lead should be adopted.	M <sup>3</sup>	-	1200.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023. It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
FR-L0996	4.6.10	Collection and supply of river sand and Silt including transort	M <sup>3</sup>	P.W.D. SSR Rate	936.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023. It shall be applicable only when the river sand or silt is purchased from Public Works Department government depots.			
FR-L0997	4.6.11	Collection and supply of farmyard manure including transort	M <sup>3</sup>	As per proposals	800.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023. It shall be applicable only when the farmyard manure is purchased form private source and should not be used when same is being collected from any government land.			
		<b>Mix Proportion</b>	<u>Earth</u>	<u>Manure</u>	-
FR-L0998		10 x 20 cm 1:4	0.44M <sup>3</sup>	0.11M <sup>3</sup>	
FR-L0999		13 x 25 cm 1:3	0.99M <sup>3</sup>	0.34M <sup>3</sup>	
FR-L1000		16 x 30 cm 1:3	1.55M <sup>3</sup>	0.51M <sup>3</sup>	
FR-L1001		30 x 45 cm 1:3	3.22M <sup>3</sup>	9.66M <sup>3</sup>	
	<b>4.7</b>	<b>Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the pots.</b>			
		Top x Bottom x Height			
FR-L1002		40 x 15 x 30 cm	100 Nos.	2.80	1850.38

FR-L1003		30 x 15 x 25 cm	100 Nos.	1.75	1156.49
FR-L1004		25 x 12 x 15 cm	100 Nos.	0.70	462.60
FR-L1005	<b>4.9</b>	Forming temporary shade pandals 10m x 1m including collection of grasses, materials, etc.,	Per pandal	1.00	660.85
	<b>4.10</b>	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m - 20m from beds)</b>			
FR-L1006	4.10.1	8 x 15 cm	1000/day	0.16	105.74
FR-L1007	4.10.2	10 x 15 cm	1000/day	0.16	105.74
FR-L1008	4.10.3	10 x 20 cm	1000/day	0.20	132.17
FR-L1009	4.10.4	13 x 25 cm	1000/day	0.23	152.00
FR-L1010	4.10.5	16 x 30 cm	1000/day	0.37	244.51
FR-L1011	4.10.6	20 x 30 cm	1000/day	0.46	303.99
FR-L1012	4.10.7	30 x 45 cm	1000/day	0.56	370.08
FR-L1013	4.10.8	35 x 50 cm	1000/day	0.86	568.33
	<b>4.11</b>	<b>Watering the container plants once a day</b>			
FR-L1014	4.11.1	8 x 15 cm	1000/day	0.080	52.87
FR-L1015	4.11.2	10 x 15 cm	1000/day	0.080	52.87
FR-L1016	4.11.3	10 x 20 cm	1000/day	0.100	66.09
FR-L1017	4.11.4	13 x 25 cm	1000/day	0.115	76.00
FR-L1018	4.11.5	16 x 30 cm	1000/day	0.185	122.26
FR-L1019	4.11.6	20 x 30 cm	1000/day	0.230	152.00
FR-L1020	4.11.7	30 x 45 cm	1000/day	0.280	185.04
FR-L1021	4.11.8	35 x 50 cm	1000/day	0.430	284.17
		<b>Note:</b> 1) Watering not to be done on rainy days 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	<b>4.12</b>	<b>Watering mud pots using rose can, twice daily excluding cost of water. (Water storage pits should be dug up within 10 to 20 m from beds in the nursery)</b>			
		Top x Bottom x Height			
FR-L1022	4.12.1	25 x 12 x 15 cm	1000/day	0.53	350.25

FR-L1023	4.12.2	30 x 12 x 15 cm	1000/day	0.53	350.25
FR-L1024	4.12.3	30 x 15 x 25 cm	1000/day	0.75	495.64
FR-L1025	4.12.4	40 x 15 x 30 cm	1000/day	1.43	945.02
FR-L1026	<b>4.13</b>	Flood watering in sunken beds of 10x1m	Bed/day	0.03	19.83
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery.</b>			
		<b>Top x Bottom x Height</b>			
FR-L1027	4.14.1	25 x 12 x 15 cm	1000/shift	2.31	1526.56
FR-L1028	4.14.2	30 x 12 x 15 cm	1000/shift	2.75	1817.34
FR-L1029	4.14.3	30 x 15 x 25 cm	1000/shift	4.37	2887.91
FR-L1030	4.14.4	40 x 15 x 30 cm	1000/shift	5.53	3654.50
	<b>4.15</b>	<b>Shifting the container plants, weeding, grading and replacement of casualties in the bags</b>			
FR-L1031	4.15.1	8 x 15 cm	1000/shift	0.25	165.21
FR-L1032	4.15.2	10 x 15 cm	1000/shift	0.29	191.65
FR-L1033	4.15.3	10 x 20 cm	1000/shift	0.33	218.08
FR-L1034	4.15.4	13 x 25 cm	1000/shift	0.51	337.03
FR-L1035	4.15.5	16 x 30 cm	1000/shift	0.79	522.07
FR-L1036	4.15.6	20 x 30 cm	1000/shift	0.97	641.02
FR-L1037	4.15.7	30 x 45 cm	1000/shift	2.69	1777.69
FR-L1038	4.15.8	35 x 50 cm	1000/shift	3.77	2491.40
		<b>Note:</b> Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			
FR-L1039	<b>4.17</b>	Land rent for nursery in private lands	40 M2 (or) cent/month	Addenda 4-17/FSR	100.00
		<b>The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated: 23-08-2023.</b>			
		<b>Details of land requirement</b>			
FR-L1040		8 x 15 = 9,000 bags/cent			
FR-L1041		10 x 20 = 6000 bags/cent			
FR-L1042		13 x 25 = 3000 bags/cent			
FR-L1043		16 x 30 = 2000 bags/cent			

	<b>4.18</b>	Cost of water for watering the container seedlings from private well.	1000 bags /watering		
FR-L1044		8 x 15 cm			-
FR-L1045		10 x 15 cm			-
FR-L1046		10 x 20 cm			-
FR-L1047		13 x 25 cm			8.50
FR-L1048		16 x 30 cm			16.00
FR-L1049		30 x 45cm			32.00
	<b>The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023.</b>				
FR-L1050	<b>4.21</b>	Digging water storage pit Top 3 x 3m, Bottom 2.1 x 2.1m & Depth 1 mt.	One pit	P.W.D. Rate may be followed	
	<b>5.</b>	<b>PLANTING SITE PREPARATION</b>			
	<b>5.1</b>	Ploughing the land with Tractor - Disc Plough		TAF CORN rate may be adopted	
FR-L1051	5.1.1	Once	Hec.		
FR-L1052	5.1.2	Twice			
	<b>5.2</b>	<b>Aligning and marking or staking excluding cost of stakes</b>			
FR-L1053	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	911.97
FR-L1054	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38	911.97
	<b>5.3</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L1055	5.3.1	Non rainy season	100 Nos.	2.60	1718.21
FR-L1056	5.3.2	Rainy season	100 Nos.	2.16	1427.44
	<b>5.4</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L1057	5.4.1	Non rainy season	100 Nos.	2.09	1381.18
FR-L1058	5.4.2	Rainy season	100 Nos.	1.75	1156.49
	<b>5.5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil.</b>			
FR-L1059	5.5.1	Non rainy season	100 Nos.	4.70	3106.00

FR-L1060	5.5.2	Rainy season	100 Nos.	3.92	2590.53
	<b>5.6</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L1061	5.6.1	Non rainy season	100 Nos.	3.87	2557.49
FR-L1062	5.6.2	Rainy season	100 Nos.	3.23	2134.55
FR-L1063	5.6.3	Digging 45 cm <sup>3</sup> pits in Ploughed area in plains. (PCCF Ref.No:TS1/23018/2010 dt:02.03.2011)	100 Nos.	1.62	1070.58
FR-L1064	<b>5.7</b>	Digging 30 cm <sup>3</sup> pits in sandy loam soil rainy season or non-rainy season	100 Nos.	1.51	997.88
FR-L1065	<b>5.8</b>	Digging 60 cm <sup>3</sup> pits in all types of soils for Avenue plantation.	100 Nos.	9.26	6119.47
FR-L1066	5.8.1	Non Rainy season	100 Nos.	9.26	6119.47
FR-L1067	5.8.2	Rainy season	100 Nos.	7.72	5101.76
FR-L1068	<b>5.9</b>	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos.	(25% of item 5.4)	
FR-L1069		Non Rainy season		0.52	343.64
FR-L1070		Rainy season		0.44	290.77
	<b>5.11</b>	<b>Loading and unloading polybag container plants in private /departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)</b>			
FR-L1071	5.11.1	8 x 15 cm	1000 Nos.	0.66	436.16
FR-L1072	5.11.2	10 x 15 cm	1000 Nos.	0.90	594.77
FR-L1073	5.11.3	10 x 20 cm	1000 Nos.	1.08	713.72
FR-L1074	5.11.4	13 x 25 cm	1000 Nos.	1.53	1011.10
FR-L1075	5.11.5	16 x 30 cm	1000 Nos.	1.79	1182.92
FR-L1076	5.11.6	20 x 30 cm	1000 Nos.	2.22	1467.09
FR-L1077	5.11.7	30 x 45 cm	1000 Nos.	3.29	2174.20
FR-L1078	5.11.8	35 x 45 cm	1000 Nos.	3.53	2332.80
	<b>5.12</b>	<b>Pots with seedlings</b>			
		<b>Top x Bottom x Height</b>			
FR-L1079	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.17	2094.89

FR-L1080	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.63	2398.89
FR-L1081	5.12.3	30 x 12 x 25 cm	1000 Nos.	5.79	3826.32
FR-L1082	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.60	5022.46
	<b>5.13</b>	<b>Transporting of polythene container seedlings by head loads in the places where approach roads are not available to take vehicles to planting site.</b>			
	5.13.1	<b>Distance upto 200 mts.</b>			
		<b>(i) Hills/hillocks</b>			
FR-L1083		30 x 45 cm	1000 Nos.	15.00	9912.75
FR-L1084		35 x 50 cm	1000 Nos.	21.00	13877.85
		<b>(ii). Plains</b>			
FR-L1085		30 x 45 cm	1000 Nos.	11.00	7269.35
FR-L1086		35 x 50 cm	1000 Nos.	12.50	8260.63
	5.13.2	<b>Distance upto 0.5 km.</b>			
		<b>(i). Hills/hillocks</b>			
FR-L1087		8 x 15 cm	1000 Nos.	2.17	1434.04
FR-L1088		10 x 15 cm	1000 Nos.	2.74	1810.73
FR-L1089		10 x 20 cm	1000 Nos.	3.65	2412.10
FR-L1090		13 x 25 cm	1000 Nos.	5.98	3951.88
FR-L1091		16 x 30 cm	1000 Nos.	8.70	5749.40
FR-L1092		20 x 30 cm	1000 Nos.	10.87	7183.44
FR-L1093		30 x 45 cm	1000 Nos.	34.00	22468.90
FR-L1094		35 x 50 cm	1000 Nos.	54.00	35685.90
		<b>(ii). Plains</b>			
FR-L1095		8 x 15 cm	1000 Nos.	1.30	859.11
FR-L1096		10 x 15 cm	1000 Nos.	1.64	1083.79
FR-L1097		10 x 20 cm	1000 Nos.	2.19	1447.26
FR-L1098		13 x 25 cm	1000 Nos.	3.59	2372.45
FR-L1099		16 x 30 cm	1000 Nos.	5.22	3449.64

FR-L1100		20 x 30 cm	1000 Nos.	6.52	4308.74
FR-L1101		30 x 45 cm	1000 Nos.	30.00	19825.50
FR-L1102		35 x 50 cm	1000 Nos.	40.00	26434.00
	5.13.3	<b>Distance upto 1 km.</b>			
		<b>(i). Hills/hillocks</b>			
FR-L1103		8 x 15 cm	1000 Nos.	2.57	1698.38
FR-L1104		10 x 15 cm	1000 Nos.	3.22	2127.94
FR-L1105		10 x 20 cm	1000 Nos.	4.30	2841.66
FR-L1106		13 x 25 cm	1000 Nos.	6.97	4606.12
FR-L1107		16 x 30 cm	1000 Nos.	10.00	6608.50
FR-L1108		20 x 30 cm	1000 Nos.	12.61	8333.32
FR-L1109		30 x 45 cm	1000 Nos.	70.00	46259.50
FR-L1110		35 x 50 cm	1000 Nos.	99.00	65424.15
		<b>(ii). Plains</b>			
FR-L1111		8 x 15 cm	1000 Nos.	1.54	1017.71
FR-L1112		10 x 15 cm	1000 Nos.	1.93	1275.44
FR-L1113		10 x 20 cm	1000 Nos.	2.58	1704.99
FR-L1114		13 x 25 cm	1000 Nos.	4.18	2762.35
FR-L1115		16 x 30 cm	1000 Nos.	6.00	3965.10
FR-L1116		20 x 30 cm	1000 Nos.	7.57	5002.63
FR-L1117		30 x 45 cm	1000 Nos.	61.00	40311.85
FR-L1118		35 x 50 cm	1000 Nos.	85.00	56172.25
	<b>5.14</b>	<b>Potted seedlings</b>			
	5.14.1	<b>(i). Hills/hillocks</b>			
FR-L1119		25 x 12 x 15 cm	100 Nos.	1.25	826.06
FR-L1120		30 x 12 x 15 cm	100 Nos.	1.50	991.28
FR-L1121		30 x 15 x 25 cm	100 Nos.	3.14	2075.07
FR-L1122		40 x 15 x 30 cm	100 Nos.	5.02	3317.47

	5.14.1	<b>(ii). Plains</b>			
FR-L1123		25 x 12 x 15 cm	100 Nos.	0.61	403.12
FR-L1124		30 x 12 x 15 cm	100 Nos.	0.73	482.42
FR-L1125		30 x 15 x 25 cm	100 Nos.	1.53	1011.10
FR-L1126		40 x 15 x 30 cm	100 Nos.	2.45	1619.08
	5.14.2	Distance upto 1 km			
		<b>(i). Hills/hillocks</b>			
FR-L1127		25 x 12 x 15 cm	100 Nos.	4.09	2702.88
FR-L1128		30 x 12 x 15 cm	100 Nos.	4.89	3231.56
FR-L1129		30 x 15 x 25 cm	100 Nos.	10.24	6767.10
FR-L1130		40 x 15 x 30 cm	100 Nos.	17.83	11782.96
		<b>(ii). Plains</b>			
FR-L1131		25 x 12 x 15 cm	100 Nos.	1.43	945.02
FR-L1132		30 x 12 x 15 cm	100 Nos.	1.70	1123.45
FR-L1133		30 x 15 x 25 cm	100 Nos.	3.60	2379.06
FR-L1134		40 x 15 x 30 cm	100 Nos.	5.65	3733.80
	<b>5.15</b>	Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is			
	5.15.1	<b>Upto 100 m.</b>			
FR-L1135		8 x 15 cm	1000 Nos.	0.38	251.12
FR-L1136		10 x 15 cm	1000 Nos.	0.38	251.12
FR-L1137		10 x 20 cm	1000 Nos.	0.88	581.55
FR-L1138		13 x 25 cm	1000 Nos.	1.69	1116.84
FR-L1139		16 x 30 cm	1000 Nos.	3.13	2068.46
FR-L1140		20 x 30 cm	1000 Nos.	3.89	2570.71
FR-L1141		30 x 45 cm	1000 Nos.	10.00	6608.50
FR-L1142		35 x 50 cm	1000 Nos.	17.00	11234.45
	5.15.2	<b>Upto 200 m.</b>			
FR-L1143		8 x 15 cm	1000 Nos.	0.75	495.64
FR-L1144		10 x 15 cm	1000 Nos.	0.75	495.64

FR-L1145		10 x 20 cm	1000 Nos.	1.50	991.28
FR-L1146		13 x 25 cm	1000 Nos.	2.25	1486.91
FR-L1147		16 x 30 cm	1000 Nos.	4.66	3079.56
FR-L1148		20 x 30 cm	1000 Nos.	5.83	3852.76
FR-L1149		30 x 45 cm	1000 Nos.	17.50	11564.88
FR-L1150		35 x 50 cm	1000 Nos.	26.50	17512.53
	<b>5.15.3</b>	<b>Upto 500 m.</b>			
FR-L1151		8 x 15 cm	1000 Nos.	1.44	951.62
FR-L1152		10 x 15 cm	1000 Nos.	1.44	951.62
FR-L1153		10 x 20 cm	1000 Nos.	2.75	1817.34
FR-L1154		13 x 25 cm	1000 Nos.	4.54	3000.26
FR-L1155		16 x 30 cm	1000 Nos.	8.22	5432.19
FR-L1156		20 x 30 cm	1000 Nos.	10.13	6694.41
FR-L1157		30 x 45 cm	1000 Nos.	41.00	27094.85
FR-L1158		35 x 50 cm	1000 Nos.	51.00	33703.35
	<b>5.15.4</b>	<b>Upto 1000 m.</b>			
FR-L1159		8 x 15 cm	1000 Nos.	1.81	1196.14
FR-L1160		10 x 15 cm	1000 Nos.	1.81	1196.14
FR-L1161		10 x 20 cm	1000 Nos.	3.79	2504.62
FR-L1162		13 x 25 cm	1000 Nos.	6.68	4414.48
FR-L1163		16 x 30 cm	1000 Nos.	10.73	7090.92
FR-L1164		20 x 30 cm	1000 Nos.	13.26	8762.87
FR-L1165		30 x 45 cm	1000 Nos.	67.00	44276.95
FR-L1166		35 x 50 cm	1000 Nos.	81.00	53528.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	<b>5.16.1</b>	<b>Upto 100 m.</b>			
FR-L1167		8 x 15 cm	1000 Nos.	0.75	495.64
FR-L1168		10 x 15 cm	1000 Nos.	0.75	495.64
FR-L1169		10 x 20 cm	1000 Nos.	1.34	885.54
FR-L1170		13 x 25 cm	1000 Nos.	2.88	1903.25
FR-L1171		16 x 30 cm	1000 Nos.	6.00	3965.10

FR-L1172		20 x 30 cm	1000 Nos.	7.48	4943.16
FR-L1173		30 x 45 cm	1000 Nos.	18.00	11895.30
FR-L1174		35 x 50 cm	1000 Nos.	24.50	16190.83
	5.16.2	<b>Upto 200 m.</b>			
FR-L1175		8 x 15 cm	1000 Nos.	1.13	746.76
FR-L1176		10 x 15 cm	1000 Nos.	1.13	746.76
FR-L1177		10 x 20 cm	1000 Nos.	1.74	1149.88
FR-L1178		13 x 25 cm	1000 Nos.	4.64	3066.34
FR-L1179		16 x 30 cm	1000 Nos.	8.51	5623.83
FR-L1180		20 x 30 cm	1000 Nos.	10.43	6892.67
FR-L1181		30 x 45 cm	1000 Nos.	30.00	19825.50
FR-L1182		35 x 50 cm	1000 Nos.	37.00	24451.45
	5.16.3	<b>Upto 500 m.</b>			
FR-L1183		8 x 15 cm	1000 Nos.	1.75	1156.49
FR-L1184		10 x 15 cm	1000 Nos.	1.75	1156.49
FR-L1185		10 x 20 cm	1000 Nos.	3.71	2451.75
FR-L1186		13 x 25 cm	1000 Nos.	6.96	4599.52
FR-L1187		16 x 30 cm	1000 Nos.	13.31	8795.91
FR-L1188		20 x 30 cm	1000 Nos.	16.74	11062.63
FR-L1189		30 x 45 cm	1000 Nos.	52.50	34694.63
FR-L1190		35 x 50 cm	1000 Nos.	67.00	44276.95
	5.16.4	<b>Upto 1000 m.</b>			
FR-L1191		8 x 15 cm	1000 Nos.	2.50	1652.13
FR-L1192		10 x 15 cm	1000 Nos.	2.50	1652.13
FR-L1193		10 x 20 cm	1000 Nos.	4.68	3092.78
FR-L1194		13 x 25 cm	1000 Nos.	9.66	6383.81
FR-L1195		16 x 30 cm	1000 Nos.	17.38	11485.57
FR-L1196		20 x 30 cm	1000 Nos.	21.74	14366.88

FR-L1197		30 x 45 cm	1000 Nos.	76.00	50224.60
FR-L1198		35 x 50 cm	1000 Nos.	97.00	64102.45
	<b>5.17</b>	Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is			
	5.17.1	Upto 100m			
FR-L1199		30 x 15 x 25 cm	100 Nos.	0.62	409.73
	5.17.2	<b>Upto 200m</b>			
FR-L1200		30 x 15 x 25 cm	100 Nos.	1.19	786.41
	5.17.3	Upto 500m			
FR-L1201		30 x 15 x 25 cm	100 Nos.	1.71	1130.05
	5.17.4	Upto 1000m			
FR-L1202		30 x 15 x 25 cm	100 Nos.	3.28	2167.59
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	Upto 100m			
FR-L1203		25 x 12 x 15 cm	100 Nos.	0.88	581.55
FR-L1204		30 x 15 x 25 cm	100 Nos.	1.50	991.28
	5.18.2	Upto 200m			
FR-L1205		25 x 12 x 15 cm	100 Nos.	1.73	1143.27
FR-L1206		30 x 15 x 25 cm	100 Nos.	2.81	1856.99
	5.18.3	Upto 500m			
FR-L1207		25 x 12 x 15 cm	100 Nos.	3.25	2147.76
FR-L1208		30 x 15 x 25 cm	100 Nos.	5.18	3423.20
	5.18.4	Upto 1000m			
FR-L1209		25 x 12 x 15 cm	100 Nos.	5.40	3568.59
FR-L1210		30 x 15 x 25 cm	100 Nos.	8.88	5868.35
FR-L1211	<b>5.20</b>	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.70	462.60
FR-L1212	<b>5.21</b>	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15	759.98

FR-L1213	<b>5.22</b>	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71	1130.05
FR-L1214	<b>5.23</b>	Replacement casualty by reopening the failed pits and planting the seedlings. (excluding the cost of transport and distribution of seedlings)	100 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L1215	<b>5.24</b>	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks. ( <b>Note:</b> Whether done for first time or second time, the same rate).	100 Nos.	1.23	812.85
FR-L1216	<b>5.25</b>	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1903.25
FR-L1217	<b>5.26</b>	Forming catch water drains for each plant of 90x45x30 cm size in hillocks and hard gravelly soil	100 Nos.	6.84	4520.21
FR-L1218	<b>5.27</b>	Removing/scrapping vizal mansion or bothai grass for one meter dia around the plants	100 Nos.	0.21	138.78
FR-L1219	<b>5.36</b>	Kiluvai fencing around the tamarind plants to a dia of 1m and height of 1m.	1 No.	0.80	497.96
FR-L1220	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones if available or semi circular bund as per the site conditions.		This item is disallowed as per the PCCF's Ref. No. F1/11175/1997, dt:06.03.1997.	
	<b>Note:</b> This item of work should not be carried out for the plants for which catch water drains or semi circular bunds are formed.				
FR-L1221	<b>5.43</b>	Heaping the debris and burning	Ha.	2.00	1321.70
FR-L1222		a). Broadcast sowing of seeds of local leguminous species	Ha.	-	

FR-L1223		b). Planting vegetative propagated cutting including cost and collection	each	-	
FR-L1224		c). Protection charges watch and ward	1000 Nos.	-	
	<b>6.</b>	<b>TEAK</b>			
FR-L1225	6.2	Preparation of teak stumps	1000 Nos.	6.00	3965.10
FR-L1226	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00	5286.80
FR-L1227	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.00	6608.50
	<b>7</b>	<b>CASUARINA PLANT</b>			
FR-L1228	<b>7.1.1</b>	Digging wells in plantations sites including provision of herbs (side support to protect falling of earth or silting (4m at top, 1 m bottom 2m depth)	Each	PWD rate	
FR-L1229	7.1.2	Maintenance of well in casuarinas plantation areas.	1 No.	0.40	264.34
FR-L1230	<b>7.7</b>	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33	878.93
	<b>9.</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L1231	9.15.1	Felling, billeting and stacking of fire wood departmentally into billets in 1 m long arranging in stacks of 2 m length 1 m wide and 1m height. Hardwood (Babul another Acacia, Casuarinas etc.)	Tonne	2.41	1592.65
FR-L1232	9.15.2	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	733.54
FR-L1233	10.2.1	Thinning by cutting wattle trees at an escapement of 2.5x2.5m. in wattle plantations	Ha	26.00	17182.10
FR-L1234	10.2.2	Debarking the stems and collecting the wattle bark	Per tonne of the work	18.00	11895.30
FR-L1235		Digging pits of 45cm <sup>3</sup> in the ploughed lands for TCPL (Pc-cf's (HFF) No. TS1/23018/10 dated 02.03.11)	100 Nos	1.62	1070.58

FR-L1236	<b>11.</b>	Digging water harvesting trenches of size 5x1x0.30 m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	Each	1.445	954.93
	<b>12.</b>	<b>Removal of invasive species (Lantana camara, Eupatorium, Parthenium, etc., )</b>			
	12.1	<b>Fresh removal</b>			
FR-L1237	12.1.1	Heavy growth	Ha.	100.00	66085.00
FR-L1238	12.1.2	Medium growth	Ha.	68.97	45578.82
FR-L1239	12.1.3	Light growth	Ha.	47.62	31469.68
	<b>12.2</b>	<b>2nd year maintenance</b>			
FR-L1240	12.2.1	Heavy growth	Ha.	75.00	49563.75
FR-L1241	12.2.2	Medium growth	Ha.	45.45	30035.63
FR-L1242	12.2.3	Light growth	Ha.	35.00	23129.75
	<b>12.3</b>	<b>3rd year maintenance</b>			
FR-L1243	12.3.1	Heavy growth	Ha.	48.40	31985.14
FR-L1244	12.3.2	Medium growth	Ha.	37.50	24781.88
FR-L1245	12.3.3	Light growth	Ha.	23.95	15827.36

## Forest Schedule of Rates 2024-2025

### Class B - Grade II - District: Madurai

Unique code	Standard Code No.	Description of operations	Unit	Mandays required	Madurai District (Rs. 666.85 / per day)
	<b>1.</b>	<b>SANDALWOOD OPERATIONS</b>			
	<b>1.4</b>	Extraction and transport of marked sandal- wood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91cms and above, marking the pits with paint, distance of 2 kms.			
FR-L1246	1.4.1	0 - 15 cm	Tree	0.174	114.99
FR-L1247	1.4.2	16 - 30 cm		0.396	261.70
FR-L1248	1.4.3	31 - 45 cm		0.967	639.04
FR-L1249	1.4.4	46 - 60 cm		1.920	1268.83
FR-L1250	1.4.5	61 - 75 cm		3.223	2129.92
FR-L1251	1.4.6	76 - 90 cm		4.675	3089.47
FR-L1252	1.4.7	91 - 105 cm		6.476	4279.66
FR-L1253	1.4.8	106 - 120 cm		8.427	5568.98
FR-L1254	1.4.9	121 - 135 cm		10.627	7022.85
FR-L1255	1.4.10	136 - 150 cm		12.977	8575.85
FR-L1256	1.4.11	151 - 165 cm		15.476	10227.31
FR-L1257	1.4.12	166 - 180 cm		18.124	11977.25
	<b>1.5</b>	Extraction and transport by head load without rough cleaning from pit site to forest depot after debarking upto 5kms (For trees upto 4 m height).			
FR-L1258	1.5.1	0 - 15 cm		0.308	203.54
FR-L1259	1.5.2	16 - 30 cm		0.896	592.12
FR-L1260	1.5.3	31 - 45 cm		1.667	1101.64
FR-L1261	1.5.4	46 - 60 cm		3.220	2127.94
FR-L1262	1.5.5	61 - 75 cm		5.123	3385.53
FR-L1263	1.5.6	76 - 90 cm		7.375	4873.77
FR-L1264	1.5.7	91 - 105 cm		9.976	6592.64

FR-L1265	1.5.8	106 - 120 cm		12.627	8344.55
FR-L1266	1.5.9	121 - 135 cm		15.527	10261.02
FR-L1267	1.5.10	136 - 150 cm		18.577	12276.61
FR-L1268	1.5.11	151 - 165 cm		21.776	14390.67
FR-L1269	1.5.12	166 - 180 cm		25.124	16603.20
	<b>1.6</b>	<b>Extraction and transport of uncleaned trees from pit site to forest depot by head load above 5 kms and upto 10 kms only (Trees upto 4m height) Rates as in item 1.5 plus this rate towards transport for every additional km. may be allowed.</b>			
			Tree		
FR-L1270	1.6.1	0 - 15 cm		0.040	26.43
FR-L1271	1.6.2	16 - 30 cm		0.130	85.91
FR-L1272	1.6.3	31 - 45 cm		0.220	145.39
FR-L1273	1.6.4	46 - 60 cm		0.440	290.77
FR-L1274	1.6.5	61 - 75 cm		0.700	462.60
FR-L1275	1.6.6	76 - 90 cm		1.000	660.85
FR-L1276	1.6.7	91 - 105 cm		1.340	885.54
FR-L1277	1.6.8	106 - 120 cm		1.660	1097.01
FR-L1278	1.6.9	121 - 135 cm		2.000	1321.70
FR-L1279	1.6.10	136 - 150 cm		2.234	1476.34
FR-L1280	1.6.11	151 - 165 cm		2.680	1771.08
FR-L1281	1.6.12	166 - 180 cm		3.020	1995.77
FR-L1282	<b>1.9</b>	Rough cleaning the un-cleaned sandalwood trees	Tonne (uncleaned wood)	18.030	11915.13
FR-L1283	<b>1.10</b>	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for storage in single lock		15.670	10355.52
	<b>1.19</b>	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	Per kg.		
FR-L1284	1.19.1	0 - 2 kg.		0.128	84.59
FR-L1285	1.19.2	2 - 4 kg.		0.316	208.83

FR-L1286	1.19.3	4 - 6 kg.		0.474	313.24
FR-L1287	1.16.4	6 - 8 kg.		0.623	411.71
FR-L1288	1.19.5	8 - 10 kg.		0.768	507.53
FR-L1289	1.19.6	10 - 15 kg.		1.120	740.15
FR-L1290	1.19.7	15 - 20 kg.		1.429	944.35
FR-L1291	1.19.8	20 - 25 kg.		1.716	1134.02
FR-L1292	1.19.9	25 - 30 kg.		2.029	1340.86
FR-L1293	1.19.10	30 - 40 kg.		2.592	1712.92
FR-L1294	1.19.11	40 - 50 kg.		3.076	2032.77
	<b>2.</b>	<b>FIRE PROTECTION</b>			
FR-L1295	2.1.1	Scraping annually fire line to a width of 7.5 mts in Nilgiris, upper Palani, Anamalais etc.	Km	Not related to this circle	
FR-L1296	2.2.1	Scraping annually fire line to a width of 6 mts in hill areas.	Km	30.00	19825.50
FR-L1297	2.2.2	Scraping annually fire line to a width of 7.5 mts with fire tracing in plains	Km	21.52	14221.49
FR-L1298	<b>2.4</b>	Annual clearing to 3 meters width and fire tracing around the plantations	Km	17.46	11538.44
	<b>3.</b>	<b>DEMARCATATION</b>			
FR-L1299	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc., to a width of 6 mts.	Km	21.00	13877.85
FR-L1300	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and compass survey)	100 Mts.	0.31	204.86
FR-L1301	3.5.1	Demarcation by planting with boundary stone pillars of 0.15m x 0.15m x 1.8m size excluding the cost of stones but including transport from road site to field & head load transport from unloading point to planting site upto 5km	Each stone	P.W.D. Rate	
FR-L1302	3.5.2	For every additional km. Beyond 5km. limited to 50 km including initial lead.	Each stone	P.W.D. Rate	

FR-L1303	3.6.1	Planting of boundary stone pillars of 0.15mx0.15mx0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations, where the lead from unloading point to planting site			
FR-L1304		(i) Upto 5 km	Each stone	P.W.D. Rate	
FR-L1305		(ii) For every additional km	Each stone	P.W.D. Rate	
FR-L1306	<b>3.7</b>	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base	Each	1.00	660.85
	<b>4.</b>	<b>NURSERY OPERATIONS</b>			
FR-L1307	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size	200 sq.mt. (for 10 standard beds)	2.42	1599.26
FR-L1308	4.2	Formation of germination bed of size 10x1.0 x 0.30 m	One bed	FSR 1986-87	0.00
FR-L1309	4.4	Formation of trenches of size 10 m length 1 m width and 0.30 m/0.45 m depth, burying mud pots in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00	1321.70
FR-L1310	4.5.1	Watering the germination beds twice daily with rose can	10 beds/day	0.82	541.90
FR-L1311	4.5.2	Watering the germination beds once daily with rose can	10 beds/day	0.41	270.95
	<b>4.6</b>	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags, arranging bags in beds and pricking out the seedlings (Excluding cost of fertile earth and farmyard manure) <b>Note:</b> The proportion of earth and farmyard manure will be fixed by the respective Chief Conservator of Forests for polythene container size			
FR-L1312	4.6.1	8 x 15 cm	1000 bags	3.05	2015.59
FR-L1313	4.6.2	10 x 15 cm	1000 bags	3.28	2167.59
FR-L1314	4.6.3	10 x 20 cm	1000 bags	3.53	2332.80
FR-L1315	4.6.4	13 x 25 cm	1000 bags	4.48	2960.61
FR-L1316	4.6.5	16 x 30 cm	1000 bags	5.95	3932.06
FR-L1317	4.6.6	20 x 30 cm	1000 bags	7.44	4916.72
FR-L1318	4.6.7	30 x 45 cm	1000 bags	28.57	18880.48

FR-L1319	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	24451.45
FR-L1320	4.6.9	Collection and supply of good quality of earth including transporting upto 5km. <b>Note:</b> Minimum lead should be adopted.	M <sup>3</sup>	-	1200.00
		The revision of enhanced rate approved in PCCF, Chennai.Proc. No.TS1/12739/2023 dated.23.08.2023 [It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any Govt.Land]			
FR-L1321	4.6.10	Collection and supply of farm-yard manure and earth required for 1000 bags	M <sup>3</sup>	P.W.D. FSR	936.00
		The revision of enhanced rate approved in PCCF , Chennai Proc. No.TS1/12739/2023 dated.23.08.2023 [It shall be applicable only when the river sand or silt is purchased from Public Works Department Govt. Depots]			
FR-L1322	4.6.11	Collection and supply of farm-yard manure including Transport	M <sup>3</sup>	As per proposals	800.00
		The revision of enhanced rate approved in PCCF, Chennai Proc. No.TS1/12739/2023 dated.23.08.2023. [It shall be applicable only when the farmyard manure is purchased from Private source and should not be used when same is being collected from the Govt.land]			
		<b>[It shall be applicable only when the river sand or silt is purchased from Public Works Department Govt.Depots]</b>	<u>Earth</u>	<u>Manure</u>	<u>Total</u>
FR-L1323		10 x 20 cm                      1:4	0.44M <sup>3</sup>	0.11M <sup>3</sup>	0.55M <sup>3</sup>
FR-L1324		13 x 25 cm                      1:3	0.99M <sup>3</sup>	0.34M <sup>3</sup>	1.33M <sup>3</sup>
FR-L1325		16 x 30 cm                      1:3	1.82M <sup>3</sup>	0.61M <sup>3</sup>	2.43M <sup>3</sup>
	<b>4.7</b>	Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the pots. <b>Top x Bottom x Height</b>			
FR-L1326		40 x 15 x 30 cm	100 Nos.	2.80	1850.38
FR-L1327		30 x 15 x 25 cm	100 Nos.	1.75	1156.49
FR-L1328		25 x 12 x 15 cm	100 Nos.	0.70	462.60
FR-L1329	<b>4.9</b>	Forming temporary shade pandals 10m x 1m including collection of grasses, materials, etc.,	Per pandal	1.00	660.85

	<b>4.10</b>	Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m - 20m from beds)			
FR-L1330	4.10.1	8 x 15 cm	1000/day	0.16	105.74
FR-L1331	4.10.2	10 x 15 cm	1000/day	0.16	105.74
FR-L1332	4.10.3	10 x 20 cm	1000/day	0.20	132.17
FR-L1333	4.10.4	13 x 25 cm	1000/day	0.23	152.00
FR-L1334	4.10.5	16 x 30 cm	1000/day	0.37	244.51
FR-L1335	4.10.6	20 x 30 cm	1000/day	0.46	303.99
FR-L1336	4.10.7	30 x 45 cm	1000/day	0.56	370.08
FR-L1337	4.10.8	35 x 50 cm	1000/day	0.86	568.33
	<b>4.11</b>	Watering the container plants once a day			
FR-L1338	4.11.1	8 x 15 cm	1000/day	0.080	52.87
FR-L1339	4.11.2	10 x 15 cm	1000/day	0.080	52.87
FR-L1340	4.11.3	10 x 20 cm	1000/day	0.100	66.09
FR-L1341	4.11.4	13 x 25 cm	1000/day	0.115	76.00
FR-L1342	4.11.5	16 x 30 cm	1000/day	0.185	122.26
FR-L1343	4.11.6	20 x 30 cm	1000/day	-	-
FR-L1344	4.11.7	30 x 45 cm	1000/day	0.280	185.04
FR-L1345	4.11.8	35 x 50 cm	1000/day	0.430	284.17
		<b>Note:</b> 1) Watering not to be done on rainy days 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	<b>4.12</b>	Watering mud pots using rose can, twice daily excluding cost of water. (Water storage pits should be dug up within 10 to 20 m from beds in the nursery) <b>Top x Bottom x Height</b>			
FR-L1346	4.12.1	25 x 12 x 15 cm	1000/day	0.53	350.25
FR-L1347	4.12.2	30 x 12 x 15 cm	1000/day	0.53	350.25
FR-L1348	4.12.3	30 x 15 x 25 cm	1000/day	0.75	495.64
FR-L1349	4.12.4	40 x 15 x 30 cm	1000/day	1.43	945.02
FR-L1350	<b>4.13</b>	Flood watering in sunken beds of 10x1m	Bed/day	0.03	19.83

	<b>4.14</b>	Shifting and grading potted seedlings in the nursery. <b>Top x Bottom x Height</b>			
FR-L1351	4.14.1	25 x 12 x 15 cm	1000/shift	2.31	1526.56
FR-L1352	4.14.2	30 x 12 x 15 cm	1000/shift	2.75	1817.34
FR-L1353	4.14.3	30 x 15 x 25 cm	1000/shift	4.37	2887.91
FR-L1354	4.14.4	40 x 15 x 30 cm	1000/shift	5.53	3654.50
	<b>4.15</b>	Shifting the container plants, weeding, grading and replacement of casualities in the bags			
FR-L1355	4.15.1	8 x 15 cm	1000/shift	0.25	165.21
FR-L1356	4.15.2	10 x 15 cm	1000/shift	0.29	191.65
FR-L1357	4.15.3	10 x 20 cm	1000/shift	0.33	218.08
FR-L1358	4.15.4	13 x 25 cm	1000/shift	0.51	337.03
FR-L1359	4.15.5	16 x 30 cm	1000/shift	0.79	522.07
FR-L1360	4.15.6	20 x 30 cm	1000/shift	0.97	641.02
FR-L1361	4.15.7	30 x 45 cm	1000/shift	2.69	1777.69
FR-L1362	4.15.8	35 x 50 cm	1000/shift	3.77	2491.40
		<b>Note:</b> Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			
FR-L1363	<b>4.17</b>	Land rent for nursery in private lands	40 M2 (or) cent/month	Addenda B1594-17/FSR	100.00
		The revision of enhanced rate approved in PCCF, Chennai Proc. No.TS1/12739/2023 Dated.23.08.2023			
		<b>Details of land requirement</b>			
		8 x 15 = 9,000 bags/cent			
		10 x 20 = 6000 bags/cent			
		13 x 25 = 3000 bags/cent			
		16 x 30 = 2000 bags/cent			
	<b>4.18.4</b>	Cost of water for watering the container seedlings from private well.	1000 bags / watering		
FR-L1364		8 x 15 cm			-
FR-L1365		10 x 15 cm			-

FR-L1366		10 x 20 cm			-
FR-L1367		13 x 25 cm			8.50
FR-L1368		16 x 30 cm			16.00
FR-L1369		30 x 45 cm			32.00
		The revision of enhanced rate approved in PCCF, Chennai Proc. No.TS1/12739/2023 dated.23.08.2023			
FR-L1370	<b>4.21</b>	Digging water storage pit Top 3 x 3m, Bottom 2.1 x 2.1m & Depth 1 mt.	One pit	P.W.D. Rate may be followed	
					660.85
	<b>5.</b>	<b>PLANTING SITE PREPARATION</b>			
	<b>5.1</b>	Ploughing the land with Tractor - Disc Plough		TAF CORN rate may be adopted	
FR-L1371	5.1.1	Once	Hec.		-
FR-L1372	5.1.2	Twice			-
	<b>5.2</b>	Aligning and marking or staking excluding cost of stakes			
FR-L1373	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	911.97
FR-L1374	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38	911.97
	<b>5.3</b>	Digging 30 cm <sup>3</sup> pits in hillocks and hard gravelly soil			
FR-L1375	5.3.1	Non rainy season	100 Nos.	2.60	1718.21
FR-L1376	5.3.2	Rainy season	100 Nos.	2.16	1427.44
	<b>5.4</b>	Digging 30 cm <sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)			
FR-L1377	5.4.1	Non rainy season	100 Nos.	2.09	1381.18
FR-L1378	5.4.2	Rainy season	100 Nos.	1.75	1156.49
	<b>5.5</b>	Digging 45 cm <sup>3</sup> pits in hillocks and hard gravelly soil.			
FR-L1379	5.5.1	Non rainy season	100 Nos.	4.70	3106.00
FR-L1380	5.5.2	Rainy season	100 Nos.	3.92	2590.53
	<b>5.6</b>	Digging 45 cm <sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)			
FR-L1381	5.6.1	Non rainy season	100 Nos.	3.87	2557.49
FR-L1382	5.6.2	Rainy season	100 Nos.	3.23	2134.55

FR-L1383	5.6.3	Digging 45 cm <sup>3</sup> pits in Ploughed area in plains. (PCCF Ref.No:TS1/23018/2010 dt:02.03.2011)	100 Nos.	1.62	1070.58
FR-L1384	<b>5.7</b>	Digging 30 cm <sup>3</sup> pits in sandy loam soil rainy season or non-rainy season	100 Nos.	1.51	997.88
FR-L1385	<b>5.8</b>	Digging 60 cm <sup>3</sup> pits in all types of soils for Avenue plantation.	100 Nos.	9.26	6119.47
FR-L1386	5.8.1	Non Rainy season	100 Nos.	9.26	6119.47
FR-L1387	5.8.2	Rainy season	100 Nos.	7.72	5101.76
FR-L1388	<b>5.9</b>	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos.	(25% of item 5.4)	
FR-L1389		Non Rainy season		0.52	343.64
FR-L1390		Rainy season		0.44	290.77
	<b>5.11</b>	Loading and unloading polybag container plants in private / departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)			
FR-L1391	5.11.1	8 x 15 cm	1000 Nos.	0.66	436.16
FR-L1392	5.11.2	10 x 15 cm	1000 Nos.	0.90	594.77
FR-L1393	5.11.3	10 x 20 cm	1000 Nos.	1.08	713.72
FR-L1394	5.11.4	13 x 25 cm	1000 Nos.	1.53	1011.10
FR-L1395	5.11.5	16 x 30 cm	1000 Nos.	1.79	1182.92
FR-L1396	5.11.6	20 x 30 cm	1000 Nos.	2.22	1467.09
FR-L1397	5.11.7	30 x 45 cm	1000 Nos.	3.29	2174.20
FR-L1398	5.11.8	35 x 45 cm	1000 Nos.	3.53	2332.80
	<b>5.12</b>	<b>Pots with seedlings</b>			
		<b>Top x Bottom x Height</b>			
FR-L1399	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.17	2094.89
FR-L1400	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.63	2398.89
FR-L1401	5.12.3	30 x 12 x 25 cm	1000 Nos.	5.79	3826.32
FR-L1402	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.60	5022.46
	<b>5.13</b>	Transporting of polythene container seedlings by head loads in the places where approach roads are not available to take vehicles to planting site.			
	5.13.1	Distance upto 200 mts.			
		<b>(i) Hills/hillocks</b>			
FR-L1403		30 x 45 cm	1000 Nos.	15.00	9912.75

FR-L1404		35 x 50 cm	1000 Nos.	21.00	13877.85
		<b>(ii). Plains</b>			
FR-L1405		30 x 45 cm	1000 Nos.	11.00	7269.35
FR-L1406		35 x 50 cm	1000 Nos.	12.50	8260.63
	5.13.2	Distance upto 0.5 km.			
		<b>(i). Hills/hillocks</b>			
FR-L1407		8 x 15 cm	1000 Nos.	2.17	1434.04
FR-L1408		10 x 15 cm	1000 Nos.	2.74	1810.73
FR-L1409		10 x 20 cm	1000 Nos.	3.65	2412.10
FR-L1410		13 x 25 cm	1000 Nos.	5.98	3951.88
FR-L1411		16 x 30 cm	1000 Nos.	8.70	5749.40
FR-L1412		20 x 30 cm	1000 Nos.	10.87	7183.44
FR-L1413		30 x 45 cm	1000 Nos.	34.00	22468.90
FR-L1414		35 x 50 cm	1000 Nos.	54.00	35685.90
		<b>(ii). Plains</b>			
FR-L1415		8 x 15 cm	1000 Nos.	1.30	859.11
FR-L1416		10 x 15 cm	1000 Nos.	1.64	1083.79
FR-L1417		10 x 20 cm	1000 Nos.	2.19	1447.26
FR-L1418		13 x 25 cm	1000 Nos.	3.59	2372.45
FR-L1419		16 x 30 cm	1000 Nos.	5.22	3449.64
FR-L1420		20 x 30 cm	1000 Nos.	6.52	4308.74
FR-L1421		30 x 45 cm	1000 Nos.	30.00	19825.50
FR-L1422		35 x 50 cm	1000 Nos.	40.00	26434.00
	5.13.3	Distance upto 1 km.			
		<b>(i). Hills/hillocks</b>			
FR-L1423		8 x 15 cm	1000 Nos.	2.57	1698.38
FR-L1424		10 x 15 cm	1000 Nos.	3.22	2127.94
FR-L1425		10 x 20 cm	1000 Nos.	4.30	2841.66

FR-L1426		13 x 25 cm	1000 Nos.	6.97	4606.12
FR-L1427		16 x 30 cm	1000 Nos.	10.00	6608.50
FR-L1428		20 x 30 cm	1000 Nos.	12.61	8333.32
FR-L1429		30 x 45 cm	1000 Nos.	70.00	46259.50
FR-L1430		35 x 50 cm	1000 Nos.	99.00	65424.15
		<b>(ii). Plains</b>			
FR-L1431		8 x 15 cm	1000 Nos.	1.54	1017.71
FR-L1432		10 x 15 cm	1000 Nos.	1.93	1275.44
FR-L1433		10 x 20 cm	1000 Nos.	2.58	1704.99
FR-L1434		13 x 25 cm	1000 Nos.	4.18	2762.35
FR-L1435		16 x 30 cm	1000 Nos.	6.00	3965.10
FR-L1436		20 x 30 cm	1000 Nos.	7.57	5002.63
FR-L1437		30 x 45 cm	1000 Nos.	61.00	40311.85
FR-L1438		35 x 50 cm	1000 Nos.	85.00	56172.25
	<b>5.14</b>	<b>Potted seedlings</b>			
	5.14.1	<b>(i). Hills/hillocks</b>			
FR-L1439		25 x 12 x 15 cm	100 Nos.	1.25	826.06
FR-L1440		30 x 12 x 15 cm	100 Nos.	1.50	991.28
FR-L1441		30 x 15 x 25 cm	100 Nos.	3.14	2075.07
FR-L1442		40 x 15 x 30 cm	100 Nos.	5.02	3317.47
	5.14.1	<b>(ii). Plains</b>			
FR-L1443		25 x 12 x 15 cm	100 Nos.	0.61	403.12
FR-L1444		30 x 12 x 15 cm	100 Nos.	0.73	482.42
FR-L1445		30 x 15 x 25 cm	100 Nos.	1.53	1011.10
FR-L1446		40 x 15 x 30 cm	100 Nos.	2.45	1619.08
	5.14.2	Distance upto 1 km			
		<b>(i). Hills/hillocks</b>			
FR-L1447		25 x 12 x 15 cm	100 Nos.	4.09	2702.88

FR-L1448		30 x 12 x 15 cm	100 Nos.	4.89	3231.56
FR-L1449		30 x 15 x 25 cm	100 Nos.	10.24	6767.10
FR-L1450		40 x 15 x 30 cm	100 Nos.	17.83	11782.96
		<b>(ii). Plains</b>			
FR-L1451		25 x 12 x 15 cm	100 Nos.	1.43	945.02
FR-L1452		30 x 12 x 15 cm	100 Nos.	1.70	1123.45
FR-L1453		30 x 15 x 25 cm	100 Nos.	3.60	2379.06
FR-L1454		40 x 15 x 30 cm	100 Nos.	5.65	3733.80
	<b>5.15</b>	Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is			
	5.15.1	<b>Upto 100 m.</b>			
FR-L1455		8 x 15 cm	1000 Nos.	0.38	251.12
FR-L1456		10 x 15 cm	1000 Nos.	0.38	251.12
FR-L1457		10 x 20 cm	1000 Nos.	0.88	581.55
FR-L1458		13 x 25 cm	1000 Nos.	1.69	1116.84
FR-L1459		16 x 30 cm	1000 Nos.	3.13	2068.46
FR-L1460		20 x 30 cm	1000 Nos.	3.89	2570.71
FR-L1461		30 x 45 cm	1000 Nos.	10.00	6608.50
FR-L1462		35 x 50 cm	1000 Nos.	17.00	11234.45
	5.15.2	<b>Upto 200 m.</b>			
FR-L1463		8 x 15 cm	1000 Nos.	0.75	495.64
FR-L1464		10 x 15 cm	1000 Nos.	0.75	495.64
FR-L1465		10 x 20 cm	1000 Nos.	1.50	991.28
FR-L1466		13 x 25 cm	1000 Nos.	2.25	1486.91
FR-L1467		16 x 30 cm	1000 Nos.	4.66	3079.56
FR-L1468		20 x 30 cm	1000 Nos.	5.83	3852.76
FR-L1469		30 x 45 cm	1000 Nos.	17.50	11564.88
FR-L1470		35 x 50 cm	1000 Nos.	26.50	17512.53

	5.15.3	<b>Upto 500 m.</b>			
FR-L1471		8 x 15 cm	1000 Nos.	1.44	951.62
FR-L1472		10 x 15 cm	1000 Nos.	1.44	951.62
FR-L1473		10 x 20 cm	1000 Nos.	2.75	1817.34
FR-L1474		13 x 25 cm	1000 Nos.	4.54	3000.26
FR-L1475		16 x 30 cm	1000 Nos.	8.22	5432.19
FR-L1476		20 x 30 cm	1000 Nos.	10.13	6694.41
FR-L1477		30 x 45 cm	1000 Nos.	41.00	27094.85
FR-L1478		35 x 50 cm	1000 Nos.	51.00	33703.35
	5.15.4	<b>Upto 1000 m.</b>			
FR-L1479		8 x 15 cm	1000 Nos.	1.81	1196.14
FR-L1480		10 x 15 cm	1000 Nos.	1.81	1196.14
FR-L1481		10 x 20 cm	1000 Nos.	3.79	2504.62
FR-L1482		13 x 25 cm	1000 Nos.	6.68	4414.48
FR-L1483		16 x 30 cm	1000 Nos.	10.73	7090.92
FR-L1484		20 x 30 cm	1000 Nos.	13.26	8762.87
FR-L1485		30 x 45 cm	1000 Nos.	67.00	44276.95
FR-L1486		35 x 50 cm	1000 Nos.	81.00	53528.85
	<b>5.16</b>	In hills and hillocks where the lead is			
	5.16.1	<b>Upto 100 m.</b>			
FR-L1487		8 x 15 cm	1000 Nos.	0.75	495.64
FR-L1488		10 x 15 cm	1000 Nos.	0.75	495.64
FR-L1489		10 x 20 cm	1000 Nos.	1.34	885.54
FR-L1490		13 x 25 cm	1000 Nos.	2.88	1903.25
FR-L1491		16 x 30 cm	1000 Nos.	6.00	3965.10
FR-L1492		20 x 30 cm	1000 Nos.	7.48	4943.16
FR-L1493		30 x 45 cm	1000 Nos.	18.00	11895.30
FR-L1494		35 x 50 cm	1000 Nos.	24.50	16190.83

	5.16.2	<b>Upto 200 m.</b>			
FR-L1495		8 x 15 cm	1000 Nos.	1.13	746.76
FR-L1496		10 x 15 cm	1000 Nos.	1.13	746.76
FR-L1497		10 x 20 cm	1000 Nos.	1.74	1149.88
FR-L1498		13 x 25 cm	1000 Nos.	4.64	3066.34
FR-L1499		16 x 30 cm	1000 Nos.	8.51	5623.83
FR-L1500		20 x 30 cm	1000 Nos.	10.43	6892.67
FR-L1501		30 x 45 cm	1000 Nos.	30.00	19825.50
FR-L1502		35 x 50 cm	1000 Nos.	37.00	24451.45
	5.16.3	<b>Upto 500 m.</b>			
FR-L1503		8 x 15 cm	1000 Nos.	1.75	1156.49
FR-L1504		10 x 15 cm	1000 Nos.	1.75	1156.49
FR-L1505		10 x 20 cm	1000 Nos.	3.71	2451.75
FR-L1506		13 x 25 cm	1000 Nos.	6.96	4599.52
FR-L1507		16 x 30 cm	1000 Nos.	13.31	8795.91
FR-L1508		20 x 30 cm	1000 Nos.	16.74	11062.63
FR-L1509		30 x 45 cm	1000 Nos.	52.50	34694.63
FR-L1510		35 x 50 cm	1000 Nos.	67.00	44276.95
	5.16.4	<b>Upto 1000 m.</b>			
FR-L1511		8 x 15 cm	1000 Nos.	2.50	1652.13
FR-L1512		10 x 15 cm	1000 Nos.	2.50	1652.13
FR-L1513		10 x 20 cm	1000 Nos.	4.68	3092.78
FR-L1514		13 x 25 cm	1000 Nos.	9.66	6383.81
FR-L1515		16 x 30 cm	1000 Nos.	17.38	11485.57
FR-L1516		20 x 30 cm	1000 Nos.	21.74	14366.88
FR-L1517		30 x 45 cm	1000 Nos.	76.00	50224.60
FR-L1518		35 x 50 cm	1000 Nos.	97.00	64102.45

	<b>5.17</b>	Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is			
	5.17.1	Upto 100m			
FR-L1519		30 x 15 x 25 cm	100 Nos.	0.62	409.73
	5.17.2	Upto 200m			
FR-L1520		30 x 15 x 25 cm	100 Nos.	1.19	786.41
	5.17.3	Upto 500m			0.00
FR-L1521		30 x 15 x 25 cm	100 Nos.	1.71	1130.05
	5.17.4	Upto 1000m			
FR-L1522		30 x 15 x 25 cm	100 Nos.	3.28	2167.59
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	Upto 100m			
FR-L1523		25 x 12 x 15 cm	100 Nos.	0.88	581.55
FR-L1524		30 x 15 x 25 cm	100 Nos.	1.50	991.28
	5.18.2	Upto 200m			
FR-L1525		25 x 12 x 15 cm	100 Nos.	1.73	1143.27
FR-L1526		30 x 15 x 25 cm	100 Nos.	2.81	1856.99
	5.18.3	Upto 500m			
FR-L1526		25 x 12 x 15 cm	100 Nos.	3.25	2147.76
FR-L1527		30 x 15 x 25 cm	100 Nos.	5.18	3423.20
	5.18.4	Upto 1000m			
FR-L1527		25 x 12 x 15 cm	100 Nos.	5.40	3568.59
FR-L1528		30 x 15 x 25 cm	100 Nos.	8.88	5868.35
FR-L1529	<b>5.20</b>	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.70	462.60
FR-L1530	<b>5.21</b>	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15	759.98
FR-L1531	<b>5.22</b>	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71	1130.05

FR-L1532	<b>5.23</b>	Replacement casualty by reopening the failed pits and planting the seedlings. (excluding the cost of transport and distribution of seedlings)	100 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L1533	<b>5.24</b>	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks. <b>Note:</b> Whether done for first time or second time, the same rate.	100 Nos.	1.23	812.85
FR-L1534	<b>5.25</b>	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1903.25
FR-L1535	<b>5.26</b>	Forming catch water drains for each plant of 90x45x30 cm size in hillocks and hard gravelly soil	100 Nos.	6.84	4520.21
FR-L1536	<b>5.27</b>	Removing/scrapping vizal mansion or bothai grass for one meter dia around the plants	100 Nos.	0.21	138.78
FR-L1537	<b>5.36</b>	Kiluvai fencing around the tamarind plants to a dia of 1m and height of 1m.	1 No.	0.80	528.68
FR-L1538	5.36.1	Brushwood fencing utilizing the cut materials obtained from the plantation around nursery	Km.	-	360.00
FR-L1539	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones if available or semi circular bund as per the site conditions.		This item is disallowed as per the PCCF's Ref. No. F1/11175/1997, dt:06.03.1997.	
		<b>Note:</b> This item of work should not be carried out for the plants for which catch water drains or semi circular bunds are formed.			
FR-L1540	<b>5.43</b>	Heaping the debris and burning	Ha.	2.00	1321.70
FR-L1541		a). Broadcast sowing of seeds of local leguminous species	Ha.	-	
FR-L1542		b). Planting vegetative propagated cutting including cost and collection	each	-	

FR-L1543		c). Protection charges watch and ward	1000 Nos.	-	
	<b>6.</b>	<b>TEAK</b>			
FR-L1544	6.2	Preparation of teak stumps	1000 Nos.	6.00	3965.10
FR-L1545	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00	5286.80
FR-L1546	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.00	6608.50
FR-L1547	<b>7.1.1</b>	Digging wells in plantations sites including provision of herbs (side support to protect falling of earth or silting (4m at top, 1 m bottom 2m depth)	Each	PWD rate	
FR-L1548	7.1.2	Maintenance of well in casuarinas plantation areas.	1 No.	0.40	264.34
FR-L1549	<b>7.7</b>	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33	878.93
	<b>9.</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L1550	9.15.1	Felling, billeting and stacking of fire wood departmentally into billets in 1 m long arranging in stacks of 2 m length 1 m wide and 1m height. Hardwood (Babul another Acacia, Casuarinas etc.)	Tonne	2.41	1592.65
FR-L1551	9.15.2	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	733.54
FR-L1552	<b>11.</b>	Digging water harvesting trenches of size 5x1x0.30 m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	Each	1.445	954.93
	<b>12.</b>	<b>Removal of invasive species (Lantana camara, Eupatorium, Parthenium, etc., )</b>			
	12.1	<b>Fresh removal</b>			
FR-L1553	12.1.1	Heavy growth	Ha.	100.00	66085.00
FR-L1554	12.1.2	Medium growth	Ha.	68.97	45578.82
FR-L1555	12.1.3	Light growth	Ha.	47.62	31469.68

	<b>12.2</b>	<b>2nd year maintenance</b>			
FR-L1556	12.2.1	Heavy growth	Ha.	75.00	49563.75
FR-L1557	12.2.2	Medium growth	Ha.	45.45	30035.63
FR-L1558	12.2.3	Light growth	Ha.	35.00	23129.75
	<b>12.3</b>	<b>3rd year maintenance</b>			
FR-L1559	12.3.1	Heavy growth	Ha.	48.40	31985.14
FR-L1560	12.3.2	Medium growth	Ha.	37.50	24781.88
FR-L1561	12.3.3	Light growth	Ha.	23.95	15827.36

**Forest Schedule of Rates 2024-2025**  
**Class B - Grade II - District: Coimbatore**

Unique code	Standard Code No.	Description of operations	Unit	Mandays required	Coimbatore District (Rs. 666.85/per day)
	1.4	<b>1. SANDALWOOD OPERATIONS</b>			
		Extraction and transport of marked Sandalwood trees from extraction. Site to forest depot debarking (without rough cleaning) including billething in the case of trees of girth 91cms. and above, marking the pits with paint numbering of pegs, trees upto 4 mt. Height upto a distance of 2 Kms.	Tree		
FR-L1562	1.4.1	0.15 CM	..do..	0.174	114.99
FR-L1563	1.4.2	16-30 CM	..do..	0.396	261.70
FR-L1564	1.4.3	31-45 CM	..do..	0.967	639.04
FR-L1565	1.4.4	46-60 CM	..do..	1.920	1268.83
FR-L1566	1.4.5	61-75 CM	..do..	3.223	2129.92
FR-L1567	1.4.6	76-90 CM	..do..	4.675	3089.47
FR-L1568	1.4.7	91-105 CM	..do..	6.476	4279.66
FR-L1569	1.4.8	106-120 CM	..do..	8.427	5568.98
FR-L1570	1.4.9	121-135 CM	..do..	10.627	7022.85
FR-L1571	1.4.10	136-150 CM	..do..	12.977	8575.85
FR-L1572	1.4.11	151-165 CM	..do..	15.476	10227.31
FR-L1573	1.4.12	166-180 CM	..do..	18.124	11977.25
	1.5	Extraction and transport by head load without rough cleaning from pitsite to forest depot after depot debarking upto 5 Kms. (For trees upto 4M. Height)	Tree		
FR-L1574	1.5.1	0-15 CM	..do..	0.308	203.54
FR-L1575	1.5.2	16-30 CM	..do..	0.896	592.12

FR-L1576	1.5.3	31-45 CM	..do..	1.667	1101.64
FR-L1577	1.5.4	46-60 CM	..do..	3.220	2127.94
FR-L1578	1.5.5	61-75 CM	Tree	5.123	3385.53
FR-L1579	1.5.6	76-90 CM	..do..	7.375	4873.77
FR-L1580	1.5.7	91-105 CM	..do..	9.976	6592.64
FR-L1581	1.5.8	106-120 CM	..do..	12.627	8344.55
FR-L1582	1.5.9	121-135 CM	..do..	15.527	10261.02
FR-L1583	1.5.10	136-150 CM	..do..	18.577	12276.61
FR-L1584	1.5.11	151-165 CM	..do..	21.776	14390.67
FR-L1585	1.5.12	166-180 CM	..do..	25.124	16603.20
	1.6	Extraction and transport of uncleaned trees from pit site to forest depot by headload above 5 Kms. and upto 10Kms. Only (Trees upto 4m. height) Rate as in item 1.5 plus this rate towards transport for every additional Km. may be allowed.	Tree		
FR-L1586	1.6.1	0.15 CM	..do..	0.040	26.43
FR-L1587	1.6.2	16-30 CM	..do..	0.130	85.91
FR-L1588	1.6.3	31-45 CM	..do..	0.220	145.39
FR-L1589	1.6.4	46-60 CM	..do..	0.440	290.77
FR-L1590	1.6.5	61-75 CM	..do..	0.700	462.60
FR-L1591	1.6.6	76-90 CM	..do..	1.000	660.85
FR-L1592	1.6.7	91-105 CM	..do..	1.340	885.54
FR-L1593	1.6.8	106-120 CM	..do..	1.660	1097.01
FR-L1594	1.6.9	121-135 CM	..do..	2.000	1321.70
FR-L1595	1.6.10	136-150 CM	..do..	2.234	1476.34
FR-L1596	1.6.11	151-165 CM	..do..	2.680	1771.08
FR-L1597	1.6.12	166-180 CM	..do..	3.020	1995.77
FR-L1598	1.9	Rough cleaning the uncleaned sandalwood trees	Tonne (uncleaned wood)	18.030	11915.13

FR-L1599	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for sortage in single lock	Tonne cleaned wood	15.670	10355.52
	1.19	G.(Rubbing of root classes of later at roots obtained in Kgs.)	Weight		
		Above                      Below Upto			
FR-L1600	1.19.1	0                                      2 Kg	Weight	0.128	84.59
FR-L1601	1.19.2	2    4 Kg	Weight	0.316	208.83
FR-L1602	1.19.3	4    6 Kg	Weight	0.474	313.24
FR-L1603	1.19.4	6    8 Kg	Weight	0.623	411.71
FR-L1604	1.19.5	8    10 Kg	Weight	0.768	507.53
FR-L1605	1.19.6	10    15 Kg	Weight	1.120	740.15
FR-L1606	1.19.7	15    20 Kg	Weight	1.429	944.35
FR-L1607	1.19.8	20    25 Kg	Weight	1.716	1134.02
FR-L1608	1.19.9	25    30 Kg	Weight	2.029	1340.86
FR-L1609	1.19.10	30    40 Kg	Weight	2.592	1712.92
FR-L1610	1.19.11	40    50 Kg	Weight	3.076	2032.77
		<b>2. FIRE PROTECTION</b>			
FR-L1611	2.1.1	Scrapping annually fire line to a width of 7.5meters on Nilgiris, Upper Plains, Anamalisis etc.	KM	32.470	21457.80
FR-L1612	2.2.2	Scrapping annually fire line to a width of 7.5 meters with fire tracing in palanis	KM	21.520	14221.49
FR-L1613	2.2.1	Scrapping annually fire line to a width of 6 meters in hill areas	KM	30.000	19825.50
FR-L1614	2.4	Annual clearing to 3 meters width and fire tracing around the plantations	KM	17.460	11538.44
		<b>3. DEMARCATION</b>			
FR-L1615	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc. to a width of 6 meters	KM	21.000	13877.85

FR-L1616	3.3	Survey and demarcation including cutting in wide lines for coupes and plantations (cHa.in and compus survey)	100 Mts	0.310	204.86
FR-L1617	3.5.1	Demarcation by planting with boundary stone pillars of 0.15Mx0.15Mx1.8M. Size excluding the cost of stones but including transport from road site to field and headload transport from unloading point to planting site upto 5 KM.	Each	PWD rate	
FR-L1618	3.5.2	For every additional KM beyond 5 KM. limited to 50KM. - including initial lead.	Each stone	PWD rate	
	3.6.1	Planting of boundary stone pillars of 0.15M.x0.15Mx0.90M (excluding cost of stone) stone pillars to be planted in pits of size 30cmx30cmx40cm. For demarcation of planta Hons where the lead from unloading point to planting site is			
FR-L1619		(i) Upto 5 KM	Each	PWD rate	
FR-L1620		(ii) For every additonal KM	Each	PWD rate	
FR-L1621	3.7	Replanting of fallen R.F. boundary stone including repairing on R.R. dry packing base	Each	1.000	660.85
		<b>4. NURSERY OPERATIONS</b>			
FR-L1622	4.1	Preparation of nursery site by clearing and levelling the site for forming ten standard beds of 10Mx1M size	200 Sq.mt (for 10 standards beds)	2.420	1599.26
FR-L1623	4.2	Formation of germination bed of size 10mx10mx.30m	one bed		
FR-L1624	4.4	Formation of trenches size 10 m. length 1m. Width and 0.30m/0.45m. Depth, burying mud pots in trenches and filling sand to thickness 0.75cm. As bottom and top layers and between the pots	One trench	2.000	1321.70
FR-L1625	4.5.1	Watering the germination beds twice daily with rose can	10 beds per day	0.820	541.90
FR-L1626	4.5.2	Watering the germination beds once daily with rose can	10 beds per day	0.410	270.95

	4.6	Preparation of soil mixture by breaking clods sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in poly. Bags arranging bags in beds and pricking out the seedlings.  <b>Note:</b> The proportion of fertile earth and FYM will be fixed by the respective CFS for polythene containers size			
FR-L1627	4.6.1	8x15 CM	1000 bags	3.050	2015.59
FR-L1628	4.6.2	10x15 CM	1000 bags	3.280	2167.59
FR-L1629	4.6.3	10x20 CM	1000 bags	3.530	2332.80
FR-L1630	4.6.4	13x25 CM	1000 bags	4.480	2960.61
FR-L1631	4.6.5	16x30 CM	1000 bags	5.950	3932.06
FR-L1632	4.6.6	20x30 CM	1000 bags	7.440	4916.72
FR-L1633	4.6.7	30x45 CM	1000 bags	28.570	18880.48
FR-L1634	4.6.8	35x50 (HDPE WOVEN BAGS)	1000 bags	37.000	24451.45
FR-L1635	4.6.9	Collection and supply of good quality of red earth including transporting up to 5Km.	Cum	...	1200.00
FR-L1636	4.6.10	Collection and supply of river sand and silt	Cum	...	936.00
FR-L1637	4.6.11	Collection and supply of farm yard manure including transport	Cum	...	800.00
	4.7	Filling in mud pots with good earth and Farm Yard Manure, excluding cost of farmyard manure and pricking out seedlings in the pots			
FR-L1638		40x15x30 CM	100 Nos.	2.800	1850.38
FR-L1639		30x15x25 CM	100 Nos.	1.750	1156.49
FR-L1640		25x12x15 CM	100 Nos.	0.700	462.60
FR-L1641	4.9	Forming temporary sHa.de pandals 10mx1m. including collection of grasses	Per Pandal	1.000	660.85
	4.10	Watering the container plants twice daily with rose can (water storage pits to be dugup within 10m-20m from beds)			
FR-L1642	4.10.1	8x15 CM	1000/ day	0.160	105.74

FR-L1643	4.10.2	10x15 CM	1000/ day	0.160	105.74
FR-L1644	4.10.3	10x20 CM	1000/ day	0.200	132.17
FR-L1645	4.10.4	13x25 CM	1000/ day	0.230	152.00
FR-L1646	4.10.5	16x30 CM	1000/ day	0.370	244.51
FR-L1647	4.10.6	20x30 CM	1000/ day	0.460	303.99
FR-L1648	4.10.7	30x45 CM	1000/ day	0.560	370.08
FR-L1649	4.10.8	35x50 CM	1000/ day	0.860	568.33
	4.11	Watering the container plants once a day			
FR-L1650	4.11.1	8x15 CM	1000/ day	50% (fifty percent of rates allowed for twice watering)	
FR-L1651	4.11.2	10x15 CM	1000/ day		
FR-L1652	4.11.3	10x20 CM	1000/ day		
FR-L1653	4.11.4	13x25 CM	1000/ day		
FR-L1654	4.11.5	16x30 CM	1000/ day		
FR-L1655	4.11.6	20x30 CM	1000/ day		
FR-L1656	4.11.7	30x45 CM	1000/ day		
FR-L1657	4.11.8	35x50 CM	1000/ day		
		<b>Note:</b> (I) Watering not to be done on rainy days (II) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	4.12	Watering mud pots using (rose can, twice daily) excluding cost of water (water storage pits should be dug up within 10 to 20 m. from beds in nursery)			
FR-L1658	4.12.1	25x15x12 CM	1000/ day	0.530	350.25
FR-L1659	4.12.2	30x15x12 CM	1000/ day	0.530	350.25
FR-L1660	4.12.3	30x25x15 CM	1000/ day	0.750	495.64
FR-L1661	4.12.4	40x13x25 CM	1000/ day	1.430	945.02
FR-L1662	4.13	Flood watering in sunken beds of 10mx1m	Bed/day	0.030	19.83

	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
FR-L1663	4.14.1	25x15x12 CM	1000/shift	2.310	1526.56
FR-L1664	4.14.2	30x15x12 CM	1000/shift	2.750	1817.34
FR-L1665	4.14.3	30x25x15 CM	1000/shift	4.370	2887.91
FR-L1666	4.14.4	40x13x25 CM	1000/shift	5.530	3654.50
	<b>4.15</b>	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags</b>			
FR-L1667	4.15.1	8x15 CM	1000/shift	0.250	165.21
FR-L1668	4.15.2	10x15 CM	1000/shift	0.290	191.65
FR-L1669	4.15.3	10x20 CM	1000/shift	0.330	218.08
FR-L1670	4.15.4	13x25 CM	1000/shift	0.510	337.03
FR-L1671	4.15.5	16x30 CM	1000/shift	0.790	522.07
FR-L1672	4.15.6	20x30 CM	1000/shift	0.970	641.02
FR-L1673	4.15.7	30x45 CM	1000/shift	2.690	1777.69
FR-L1674	4.15.8	35x50 CM	1000/shift	3.770	2491.40
		<b>Note:</b> Shifting to be done once in 21 days, first shifting not before 45 days after pricking out			
FR-L1675	4.17	Land rent for nursery in private lands	Month/40 Sqm.	...	100.00
	4.18	Cost of water for watering the seedlings from private well			
FR-L1676		13x25 CM	1000 bags/day	...	8.50
FR-L1677		16x30 CM	1000 bags/day	...	16.00
FR-L1678		30X45 CM	1000 bags/day	...	32.00
		<b>5. PLANTING SITE PREPARATION</b>			
FR-L1679	5.1	Ploughing the land	Hec.	(TAF CORN rate may be adopted)	
FR-L1680	5.1.1	Once			
FR-L1681	5.1.2.	Twice			

	<b>5.2.</b>	<b>Aligning and marking or stacking excluding cost of stacks</b>			
FR-L1682	5.2.1.	Plains and tank beds (square and rectangular planting)	1000 Nos.	1.380	911.97
FR-L1683	5.2.4	Alingment for strip plantations including avenues	1000 Nos.	1.380	911.97
	<b>5.3.</b>	<b>Digging 30cm<sup>3</sup> pits in hillocks and Ha.rd gravelly soil</b>			
FR-L1684	5.3.1.	Non-rainy season	100 Nos.	2.600	1718.21
FR-L1685	5.3.2	Rainy season	100 Nos.	2.160	1427.44
	5.4	Digging 30cm <sup>3</sup> pits in tankbed areas and plains (other tHa.n Ha.rd gravelly soil)			
FR-L1686	5.4.1.	Non-rainy season	100 Nos.	2.090	1381.18
FR-L1687	5.4.2.	Rainy season	100 Nos.	1.750	1156.49
	<b>5.5</b>	<b>Digging 45cm<sup>3</sup> pits in hillocks and Ha.rd gravelly soil</b>			
FR-L1688	5.5.1	Non-rainy season	100 Nos.	4.700	3106.00
FR-L1689	5.5.2	Rainy season	100 Nos.	3.920	2590.53
	<b>5.6.</b>	<b>Digging 45cm<sup>3</sup> pits in tankbed areas and plains (other tHa.n Ha.rd gravelly soil)</b>			
FR-L1690	5.6.1	Non-rainy season	100 Nos.	3.870	2557.49
FR-L1691	5.6.2	Rainy season	100 Nos.	3.230	2134.55
	<b>5.7</b>	<b>Digging 30cm<sup>3</sup> pits in Sandy loam soil</b>			
FR-L1692	5.7.1.	Non-rainy season or rainy season	100 Nos.	1.510	997.88
	<b>5.8</b>	<b>Digging 60cm<sup>3</sup> pits in all types of soils for avenue plantation</b>			
FR-L1693	5.8.1	Non-rainy season	100 Nos.	9.260	6119.47
FR-L1694	5.8.2	Rainy season	100 Nos.	7.720	5101.76
	5.9	Digging 30 cm 3 pits in ploughed area			
FR-L1695		Non-rainy Season	..	25% of	
FR-L1696		Rainy season	..	item 5.4	
	<b>5.11</b>	<b>Loading and unloading poly bag container plants in private/ departmental/ vehicles upto a lead of 2Km. (Excluding hire cHarges for the vehicles)</b>			
FR-L1697	5.11.1	8x15 CM	1000 Nos.	0.660	436.16

FR-L1698	5.11.2	10x15 CM	1000 Nos.	0.900	594.77
FR-L1699	5.11.3	10x20 CM	1000 Nos.	1.080	713.72
FR-L1700	5.11.4	13x25 CM	1000 Nos.	1.530	1011.10
FR-L1701	5.11.5	16x30 CM	1000 Nos.	1.790	1182.92
FR-L1702	5.11.6	20x30 CM	1000 Nos.	2.220	1467.09
FR-L1703	5.11.7	30x45 CM	1000 Nos.	3.290	2174.20
FR-L1704	5.11.8	35x50 CM	1000 Nos.	3.530	2332.80
	<b>5.12</b>	<b>Pots with Seedlings</b>			
FR-L1705	5.12.1	25x15x12 CM	1000 Nos.	3.170	2094.89
FR-L1706	5.12.2	30x15x12 CM	1000 Nos.	3.630	2398.89
FR-L1707	5.12.3	30x25x15 Cm	1000 Nos.	5.790	3826.32
FR-L1708	5.12.4	40x30x15 CM	1000 Nos.	7.600	5022.46
	<b>5.13</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles of planting site</b>			
	5.13.1	<b>Distance upto 200 meters</b>			
	(i)	Hill/Hilllocks			
FR-L1709		30x45 CM	1000 Nos.	15.000	9912.75
FR-L1710		35x50 CM	1000 Nos.	21.000	13877.85
	(ii)	Plains			0.00
FR-L1711		30x45 CM	1000 Nos.	11.000	7269.35
FR-L1712		35x50 CM	1000 Nos.	12.500	8260.63
	5.13.2	<b>Distance upto 0.5 Km</b>			
	(i)	Hill/Hilllocks			
FR-L1713		8x15 CM	1000 Nos.	2.170	1434.04
FR-L1714		10x15 CM	1000 Nos.	2.740	1810.73
FR-L1715		10x20 CM	1000 Nos.	3.650	2412.10
FR-L1716		13x25 CM	1000 Nos.	5.980	3951.88
FR-L1717		16x30 CM	1000 Nos.	8.700	5749.40

FR-L1718		20x30 CM	1000 Nos.	10.870	7183.44
FR-L1719		30x45 CM	1000 Nos.	34.000	22468.90
FR-L1720		35x50 CM	1000 Nos.	54.000	35685.90
	(ii)	Plains			
FR-L1721		8x15 CM	1000 Nos.	60% of	
FR-L1722		10x15 CM	1000 Nos.	the above	
FR-L1723		10x20 CM	1000 Nos.	rate	
FR-L1724		13x25 CM	1000 Nos.	except	
FR-L1725		16x30 CM	1000 Nos.	for last	
FR-L1726		20x30 CM	1000 Nos.	two items	
FR-L1727		30x45 CM	1000 Nos.	30.000	19825.50
FR-L1728		35x50 CM	1000 Nos.	40.000	26434.00
	5.13.3	<b>Distance upto 1 Km Hills Hillocks</b>			
FR-L1729		8x15 CM	1000 Nos.	2.570	1698.38
FR-L1730		10x15 CM	1000 Nos.	3.220	2127.94
FR-L1731		10x20 CM	1000 Nos.	4.300	2841.66
FR-L1732		13x25 CM	1000 Nos.	6.970	4606.12
FR-L1733		16x30 CM	1000 Nos.	10.000	6608.50
FR-L1734		20x30 CM	1000 Nos.	12.600	8326.71
FR-L1735		30x45 CM	1000 Nos.	70.000	46259.50
FR-L1736		35x50 CM	1000 Nos.	99.000	65424.15
		<b>Plains</b>			
FR-L1737		8x15 CM	1000 Nos.	60% of the above rate except for last two items	
FR-L1738		10x15 CM	1000 Nos.		
FR-L1739		10x20 CM	1000 Nos.		
FR-L1740		13x25 CM	1000 Nos.		
FR-L1741		16x30 CM	1000 Nos.		
FR-L1742		20x30 CM	1000 Nos.		
FR-L1743		30x45 CM	1000 Nos.	61.000	40311.85
FR-L1744		35x50 CM	1000 Nos.	85.000	56172.25

	<b>5.14</b>	<b>Potted Seedlings</b>			
	5.14.1	Distance upto 0.5 Km			
		Distance upto 1 Km (i) Hills Hillocks			
FR-L1745		25x15x12 CM	100 Nos.	1.250	826.06
FR-L1746		30x15x12 CM	100 Nos.	1.500	991.28
FR-L1747		30x25x15 Cm	100 Nos.	3.140	2075.07
FR-L1748		40x30x15 CM	100 Nos.	5.020	3317.47
		(ii) Plains			
FR-L1749		25x15x12 CM	100 Nos.	0.610	403.12
FR-L1750		30x15x12 CM	100 Nos.	0.730	482.42
FR-L1751		30x25x15 CM	100 Nos.	1.530	1011.10
FR-L1752	40x30x15 CM	100 Nos..	2.450	1619.08	
	5.14.2	Distance upto 1 Km Hill Hillocks			
FR-L1753		25x15x12 CM	100 Nos.	4.090	2702.88
FR-L1754		30x15x12 CM	100 Nos.	4.890	3231.56
FR-L1755		30x25x15 Cm	100 Nos.	10.240	6767.10
FR-L1756		40x30x15 CM	100 Nos.	17.830	11782.96
		Plains			
FR-L1757		25x15x12 CM	100 Nos.	1.430	945.02
FR-L1758		30x15x12 CM	100 Nos.	1.700	1123.45
FR-L1759		30x25x15 Cm	100 Nos.	3.600	2379.06
FR-L1760		40x30x15 CM	100 Nos.	5.650	3733.80
	<b>5.15</b>	<b>Distribution of poly container seedlings from foot of the hills or from where seedlings are stacked to the planting spot in plains where the lead is</b>			
	5.15.1	Upto 100 m			
FR-L1761		8x15 CM	1000 Nos.	0.380	251.12
FR-L1762		10x15 CM	1000 Nos.	0.380	251.12
FR-L1763		10x20 CM	1000 Nos.	0.880	581.55
FR-L1764		13x25 CM	1000 Nos.	1.690	1116.84
FR-L1765		16x30 CM	1000 Nos.	3.130	2068.46

FR-L1766		20x30 CM	1000 Nos.	3.890	2570.71
FR-L1767		30x45 CM	1000 Nos.	10.000	6608.50
FR-L1768		35x50 CM	1000 Nos.	17.000	11234.45
		Upto 200 m			
FR-L1769	5.15.2	8x15 CM	1000 Nos.	0.750	495.64
FR-L1770		10x15 CM	1000 Nos.	0.750	495.64
FR-L1771		10x20 CM	1000 Nos.	1.500	991.28
FR-L1772		13x25 CM	1000 Nos.	2.250	1486.91
FR-L1773		16x30 CM	1000 Nos.	4.660	3079.56
FR-L1774		20x30 CM	1000 Nos.	5.830	3852.76
FR-L1775		30x45 CM	1000 Nos.	17.500	11564.88
FR-L1776		35x50 CM	1000 Nos.	26.500	17512.53
			<b>Upto 500 CM</b>		
FR-L1777	5.15.3	8x15 CM	1000 Nos.	1.440	951.62
FR-L1778		10x15 CM	1000 Nos.	1.440	951.62
FR-L1779		10x20 CM	1000 Nos.	2.750	1817.34
FR-L1780		13x25 CM	1000 Nos.	4.540	3000.26
FR-L1781		16x30 CM	1000 Nos.	8.220	5432.19
FR-L1782		20x30 CM	1000 Nos.	10.130	6694.41
FR-L1783		30x45 CM	1000 Nos.	41.000	27094.85
FR-L1784		35x50 CM	1000 Nos.	51.000	33703.35
		<b>Upto 1000 m</b>			
FR-L1785	5.15.4	8x15 CM	1000 Nos.	1.810	1196.14
FR-L1786		10x15 CM	1000 Nos.	1.810	1196.14
FR-L1787		10x20 CM	1000 Nos.	3.790	2504.62
FR-L1788		13x25 CM	1000 Nos.	6.680	4414.48
FR-L1789		16x30 CM	1000 Nos.	10.730	7090.92
FR-L1790		20x30 CM	1000 Nos.	13.260	8762.87
FR-L1791		30x45 CM	1000 Nos.	67.000	44276.95
FR-L1792		35x50 CM	1000 Nos.	81.000	53528.85

	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	5.16.1	Upto 100 m			
FR-L1793		8x15 CM	1000 Nos.	0.750	495.64
FR-L1794		10x15 CM	1000 Nos.	0.750	495.64
FR-L1795		10x20 CM	1000 Nos.	1.340	885.54
FR-L1796		13x25 CM	1000 Nos.	2.880	1903.25
FR-L1797		16x30 CM	1000 Nos.	6.000	3965.10
FR-L1798		20x30 CM	1000 Nos.	7.480	4943.16
FR-L1799		30x45 CM	1000 Nos.	18.000	11895.30
FR-L1800		35x50 CM	1000 Nos.	24.500	16190.83
		5.16.2	<b>Upto 200 m</b>		
FR-L1801	8x15 CM		1000 Nos.	1.130	746.76
FR-L1802	10x15 CM		1000 Nos.	1.130	746.76
FR-L1803	10x20 CM		1000 Nos.	1.740	1149.88
FR-L1804	13x25 CM		1000 Nos.	4.640	3066.34
FR-L1805	16x30 CM		1000 Nos.	8.510	5623.83
FR-L1806	20x30 CM		1000 Nos.	10.430	6892.67
FR-L1807	30x45 CM		1000 Nos.	30.000	19825.50
FR-L1808	35x50 CM		1000 Nos.	37.000	24451.45
	5.16.3		Upto 500 m		
FR-L1809		8x15 CM	1000 Nos.	1.750	1156.49
FR-L1810		10x15 CM	1000 Nos.	1.750	1156.49
FR-L1811		10x20 CM	1000 Nos.	3.710	2451.75
FR-L1812		13x25 CM	1000 Nos.	6.960	4599.52
FR-L1813		16x30 CM	1000 Nos.	13.310	8795.91
FR-L1814		20x30 CM	1000 Nos.	16.740	11062.63
FR-L1815		30x45 CM	1000 Nos.	52.500	34694.63
FR-L1816		35x50 CM	1000 Nos.	67.000	44276.95

		Upto 1000 m			
FR-L1817	5.16.4	8x15 CM	1000 Nos.	2.500	1652.13
FR-L1818		10x15 CM	1000 Nos.	2.500	1652.13
FR-L1819		10x20 CM	1000 Nos.	4.680	3092.78
FR-L1820		13x25 CM	1000 Nos.	9.660	6383.81
FR-L1821		16x30 CM	1000 Nos.	17.380	11485.57
FR-L1822		20x30 CM	1000 Nos.	21.740	14366.88
FR-L1823			30x45 CM	1000 Nos.	76.000
FR-L1824		35x50 CM	1000 Nos.	97.000	64102.45
	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plains where the lead is</b>			
	5.17.1	Upto 100 m			
FR-L1825		30x25x15 Cm	100 Nos.	0.620	409.73
	5.17.2	Upto 200 m			
FR-L1826		30x25x15 Cm	100 Nos.	1.190	786.41
	5.17.3	Upto 500 m			
FR-L1827		30x25x15 Cm	100 Nos.	1.710	1130.05
	5.17.4	Upto 1000 m			
FR-L1828		30x25x15 Cm	100 Nos.	3.280	2167.59
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	Upto 100 m			
FR-L1829		25x15x12 CM	100 Nos.	0.880	581.55
FR-L1830		30x25x15 Cm	100 Nos.	1.500	991.28
	5.18.2	Upto 200 m			
FR-L1831		25x15x12 CM	100 Nos.	1.730	1143.27
FR-L1832		30x25x15 Cm	100 Nos.	2.810	1856.99

		Upto 500 m			
FR-L1833	5.18.3	25x15x12 CM	100 Nos.	3.250	2147.76
FR-L1834		30x25x15 Cm	100 Nos.	5.180	3423.20
		Upto 1000 m			
FR-L1835	5.18.4	25x15x12 CM	100 Nos.	5.400	3568.59
FR-L1836		30x25x15 Cm	100 Nos.	8.880	5868.35
FR-L1837	5.20	Planting the container plants by refilling pits of 30cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.700	462.60
FR-L1838	5.21	Planting the container plants by refilling pits of 45cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.150	759.98
FR-L1839	5.22	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicle) in avenue	100 Nos.	1.710	1130.05
FR-L1840	5.23	Replacement of casualties by re-opening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.	50% of the charges for digging pits the appropriate size during rain days and the full cost of planting in the appropriate size pits	
FR-L1841	5.24	Scrap weeding for 1 m dia and soil working 15cm. Depth around each plant and removing the grass roots away from the site or upturning the soil; Both in plains and hillocks.	100 Nos.	1.230	812.85
		<b>Note:</b> Whether done for first time or second time the same rate			
FR-L1842	5.25	Forming semi circular bunds to the plants in the hillocks by collecting stone and earth from that area forming a revetment on the lower side with stone and earth heaped and giving inward slope	100 Nos.	2.880	1903.25

FR-L1843	5.26	Forming catch water drains for each plant of 90x45x30cm. Size in hillocks and Ha.rd gravelly soil	100 Nos.	6.840	4520.21
FR-L1844	5.27	Removing/scrapping vizal monsoon or both grass for one meter dia around the plants	100 Nos.	0.210	138.78
FR-L1845	5.36	Kiluvai fencing around the tamarind plants to a dia of 1m. and height of 1m.	1 No	0.800	528.68
FR-L1846	5.43	Heaping the debris and burning	Ha.	2.000	1321.70
FR-L1847	6.2	Preparation of teak stumps	1000 Nos.	6.000	3965.10
FR-L1848	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.000	5286.80
FR-L1849	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.000	6608.50
FR-L1850	7.1.2	Maintenance of well in casuarina plantation areas	1 No.	0.400	264.34
FR-L1851	7.7	Pot watering the casuarina plants from wells within the plantation site	1000 Nos.	1.330	878.93
	9	<b>Timber operations and allied activities</b>			
	9.15	Felling Billetting and stacking of fire wood departmentally into billets in 1m long arranging in stacks of 2m length, 1m wide and 1m height			
FR-L1852	9.15.1	Ha.rdwood (Babul and other acacia causarina etc.)	Tonne	2.410	1592.65
FR-L1853	9.15.2	Medium Wood(Eucalyptus, Wattle etc.)	Tonne	1.110	733.54
FR-L1854	10.2.1	Thinning by cutting wattle trees at an escapement of 2.5x2.5m. in wattle plantations	Ha.	26.000	17182.10
FR-L1855	10.2.2	Debarking the stems and collecting the wattle bark	Per tonne of the work	18.000	11895.30
FR-L1856	11	Digging water Ha.rvesting trenches of size 5.00 mx1.00mx0.30m with inward slope in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope/trench (This rate will be applicable only for the work done manually-Measurements for trench and bund should be recorded in M.Book)	Each	1.445	954.93

	<b>12</b>	<b>Removal of invasive species (Lantana-camara, Eupatoriu, Parthenium etc.,)</b>			
	12.1	<b>Fresh removal</b>			
FR-L1857	12.1.1.	Heavy growth	Ha.	100.000	66085.00
FR-L1858	12.1.2	Medium growth	Ha.	69.000	45598.65
FR-L1859	12.1.3	Light growth	Ha.	47.600	31456.46
	12.2.	<b>2nd Year maintenance</b>			
FR-L1860	12.2.1	Heavy growth	Ha.	75.000	49563.75
FR-L1861	12.2.2.	Medium growth	Ha.	45.450	30035.63
FR-L1862	12.2.3	Light growth	Ha.	35.000	23129.75
	12.3.	<b>3rd Year maintenance</b>			
FR-L1863	12.3.1	Heavy growth	Ha.	48.400	31985.14
FR-L1864	12.3.2	Medium growth	Ha.	37.500	24781.88
FR-L1865	12.3.3.	Light growth	Ha.	23.950	15827.36

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III**

**Districts: Theni, Virudhunagar, Sivagangai & Ramnad**

Unique Code	Standard Code No.	Description of operations	Unit	Mandays required	Theni, Virudhunagar, Sivagangai, Ramnad District's (Rs. 650.85/ per day)
	<b>1.</b>	<b>SANDALWOOD OPERATIONS</b>			
	<b>1.4</b>	Extraction and transport of marked sandal- wood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91cms and above, marking the pits with paint, distance of 2 kms.			
FR-L1866	1.4.1	0 - 15 cm	Tree	0.174	113.25
FR-L1867	1.4.2	16 - 30 cm		0.396	257.74
FR-L1868	1.4.3	31 - 45 cm		0.967	629.37
FR-L1869	1.4.4	46 - 60 cm		1.920	1249.63
FR-L1870	1.4.5	61 - 75 cm		3.223	2097.69
FR-L1871	1.4.6	76 - 90 cm		4.675	3042.72
FR-L1872	1.4.7	91 - 105 cm		6.476	4214.90
FR-L1873	1.4.8	106 - 120 cm		8.427	5484.71
FR-L1874	1.4.9	121 - 135 cm		10.627	6916.58
FR-L1875	1.4.10	136 - 150 cm		12.977	8446.08
FR-L1876	1.4.11	151 - 165 cm		15.476	10072.55
FR-L1877	1.4.12	166 - 180 cm		18.124	11796.01
	<b>1.5</b>	Extraction and transport by head load without rough cleaning from pit site to forest depot after debarking upto 5kms (For trees upto 4 m height).			
FR-L1878	1.5.1	0 - 15 cm		0.308	200.46
FR-L1879	1.5.2	16 - 30 cm		0.896	583.16
FR-L1880	1.5.3	31 - 45 cm		1.667	1084.97
FR-L1881	1.5.4	46 - 60 cm		3.220	2095.74
FR-L1882	1.5.5	61 - 75 cm		5.123	3334.30

FR-L1883	1.5.6	76 - 90 cm		7.375	4800.02
FR-L1884	1.5.7	91 - 105 cm		9.976	6492.88
FR-L1885	1.5.8	106 - 120 cm		12.627	8218.28
FR-L1886	1.5.9	121 - 135 cm		15.527	10105.75
FR-L1887	1.5.10	136 - 150 cm		18.577	12090.84
FR-L1888	1.5.11	151 - 165 cm		21.776	14172.91
FR-L1889	1.5.12	166 - 180 cm		25.124	16351.96
	<b>1.6</b>	Extraction and transport of uncleaned trees from pit site to forest depot by head load above 5 kms and upto 10 kms only (Trees upto 4m height) Rates as in item 1.5 plus this rate towards transport for every additional km. may be allowed.			
			Tree		
FR-L1890	1.6.1	0 - 15 cm		0.040	26.03
FR-L1891	1.6.2	16 - 30 cm		0.130	84.61
FR-L1892	1.6.3	31 - 45 cm		0.220	143.19
FR-L1893	1.6.4	46 - 60 cm		0.440	286.37
FR-L1894	1.6.5	61 - 75 cm		0.700	455.60
FR-L1895	1.6.6	76 - 90 cm		1.000	650.85
FR-L1896	1.6.7	91 - 105 cm		1.340	872.14
FR-L1897	1.6.8	106 - 120 cm		1.660	1080.41
FR-L1898	1.6.9	121 - 135 cm		2.000	1301.70
FR-L1899	1.6.10	136 - 150 cm		2.234	1454.00
FR-L1900	1.6.11	151 - 165 cm		2.680	1744.28
FR-L1901	1.6.12	166 - 180 cm		3.020	1965.57
FR-L1902	<b>1.9</b>	Rough cleaning the un-cleaned sandalwood trees	Tonne (un-cleaned wood)	18.030	11734.83
FR-L1903	<b>1.10</b>	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for storage in single lock		15.670	10198.82

	<b>1.19</b>	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	Per kg.		
FR-L1904	1.19.1	0 - 2 kg.		0.128	83.31
FR-L1905	1.19.2	2 - 4 kg.		0.316	205.67
FR-L1906	1.19.3	4 - 6 kg.		0.474	308.50
FR-L1907	1.16.4	6 - 8 kg.		0.623	405.48
FR-L1908	1.19.5	8 - 10 kg.		0.768	499.85
FR-L1909	1.19.6	10 - 15 kg.		1.120	728.95
FR-L1910	1.19.7	15 - 20 kg.		1.429	930.06
FR-L1911	1.19.8	20 - 25 kg.		1.716	1116.86
FR-L1912	1.19.9	25 - 30 kg.		2.029	1320.57
FR-L1913	1.19.10	30 - 40 kg.		2.592	1687.00
FR-L1914	1.19.11	40 - 50 kg.		3.076	2002.01
	<b>2.</b>	<b>FIRE PROTECTION</b>			
FR-L1915	2.1.1	Scraping annually fire line to a width of 7.5 mts in Nilgiris, upper Palani, Anamalais etc.	Km	Not related to this circle	
FR-L1916	2.2.1	Scraping annually fire line to a width of 6 mts in hill areas.	Km	30.00	19525.50
FR-L1917	2.2.2	Scraping annually fire line to a width of 7.5 mts with fire tracing in plains	Km	21.52	14006.29
FR-L1918	<b>2.4</b>	Annual clearing to 3 meters width and fire tracing around the plantations	Km	17.46	11363.84
	<b>3.</b>	<b>DEMARCATON</b>			
FR-L1919	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc., to a width of 6 mts.	Km	21.00	13667.85
FR-L1920	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and compass survey)	100 Mts.	0.31	201.76

FR-L1921	3.5.1	Demarcation by planting with boundary stone pillars of 0.15m x 0.15m x 1.8m size excluding the cost of stones but including transport from road site to field & head load transport from unloading point to planting site upto 5km	Each stone	P.W.D. Rate	
FR-L1922	3.5.2	For every additional km. Beyond 5km. limited to 50 km including initial lead.	Each stone	P.W.D. Rate	
	3.6.1	Planting of boundary stone pillars of 0.15mx0.15mx0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations, where the lead from unloading point to planting site			
FR-L1923		(i) Upto 5 km	Each stone	P.W.D. Rate	
FR-L1924		(ii) For every additional km	Each stone	P.W.D. Rate	
FR-L1925	<b>3.7</b>	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base	Each	1.00	650.85
	<b>4.</b>	<b>NURSERY OPERATIONS</b>			
FR-L1926	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size	200 sq.mt. (for 10 standard beds)	2.42	1575.06
FR-L1927	4.2	Formation of germination bed of size 10 x 1.0 x 0.30 m	One bed	FSR 1986-87	0.00
FR-L1928	4.4	Formation of trenches of size 10 m length 1 m width and 0.30 m/0.45 m depth, burying mud pots in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00	1301.70
FR-L1929	4.5.1	Watering the germination beds twice daily with rose can	10 beds/day	0.82	533.70
FR-L1930	4.5.2	Watering the germination beds once daily with rose can	10 beds/day	0.41	266.85
	<b>4.6</b>	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags, arranging bags in beds and pricking out the seedlings (Excluding cost of fertile earth and farmyard manure) <b>Note:</b> The proportion of earth and farmyard manure will be fixed by the respective Chief Conservator of Forests for polythene container size			

FR-L1931	4.6.1	8 x 15 cm	1000 bags	3.05	1985.09
FR-L1932	4.6.2	10 x 15 cm	1000 bags	3.28	2134.79
FR-L1933	4.6.3	10 x 20 cm	1000 bags	3.53	2297.50
FR-L1934	4.6.4	13 x 25 cm	1000 bags	4.48	2915.81
FR-L1935	4.6.5	16 x 30 cm	1000 bags	5.95	3872.56
FR-L1936	4.6.6	20 x 30 cm	1000 bags	7.44	4842.32
FR-L1937	4.6.7	30 x 45 cm	1000 bags	28.57	18594.78
FR-L1938	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	24081.45
FR-L1939	4.6.9	Collection and supply of good quality of earth including transporting upto 5km. <b>Note:</b> Minimum lead should be adopted.	M <sup>3</sup>	-	1200.00
		<i>The revision of enhanced rate approved in PCCF ,Chennai.Proc. No.TS1/12739/2023 dated.23.08.2023 [It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any Govt.Land]</i>			
FR-L1940	4.6.10	Collection and supply of farmyard manure and earth required for 1000 bags	M <sup>3</sup>	P.W.D. FSR	936.00
		<i>The revision of enhanced rate approved in PCCF , Chennai Proc. No.TS1/12739/2023 dated.23.08.2023 [It shall be applicable only when the river sand or silt is purchased from Public Works Department Govt. Depots]</i>			
FR-L1941	4.6.11	Collection and supply of farm-yard manure including Transport	M <sup>3</sup>	As per proposals	800.00
		<i>The revision of enhanced rate approved in PCCF , Chennai Proc. No.TS1/12739/2023 dated.23.08.2023[It shall be applicable only when the farmyard manure is purchased from Private source and should not be used when same is being collected from the Govt.land]</i>			
		<b><u>[It shall be applicable only when the river sand or silt is purchased from Public Works Department Govt. Depots]</u></b>	Earth	Manure	
FR-L1942		10 x 20 cm	1:4	0.44M <sup>3</sup>	0.11M <sup>3</sup>
FR-L1943		13 x 25 cm	1:3	0.99M <sup>3</sup>	0.34M <sup>3</sup>
FR-L1944		16 x 30 cm	1:3	1.82M <sup>3</sup>	0.61M <sup>3</sup>

	<b>4.7</b>	Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the pots. <b>Top x Bottom x Height</b>			
FR-L1945		40 x 15 x 30 cm	100 Nos.	2.80	1822.38
FR-L1946		30 x 15 x 25 cm	100 Nos.	1.75	1138.99
FR-L1947		25 x 12 x 15 cm	100 Nos.	0.70	455.60
FR-L1948	<b>4.9</b>	Forming temporary shade pandals 10m x 1m including collection of grasses, materials, etc.,	Per pandal	1.00	650.85
	<b>4.10</b>	Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m - 20m from beds)			
FR-L1949	4.10.1	8 x 15 cm	1000/day	0.16	104.14
FR-L1950	4.10.2	10 x 15 cm	1000/day	0.16	104.14
FR-L1951	4.10.3	10 x 20 cm	1000/day	0.20	130.17
FR-L1952	4.10.4	13 x 25 cm	1000/day	0.23	149.70
FR-L1953	4.10.5	16 x 30 cm	1000/day	0.37	240.81
FR-L1954	4.10.6	20 x 30 cm	1000/day	0.46	299.39
FR-L1955	4.10.7	30 x 45 cm	1000/day	0.56	364.48
FR-L1956	4.10.8	35 x 50 cm	1000/day	0.86	559.73
	<b>4.11</b>	<b>Watering the container plants once a day</b>			
FR-L1957	4.11.1	8 x 15 cm	1000/day	0.080	52.07
FR-L1958	4.11.2	10 x 15 cm	1000/day	0.080	52.07
FR-L1959	4.11.3	10 x 20 cm	1000/day	0.100	65.09
FR-L1960	4.11.4	13 x 25 cm	1000/day	0.115	74.85
FR-L1961	4.11.5	16 x 30 cm	1000/day	0.185	120.41
FR-L1962	4.11.6	20 x 30 cm	1000/day	-	-
FR-L1963	4.11.7	30 x 45 cm	1000/day	0.280	182.24
FR-L1964	4.11.8	35 x 50 cm	1000/day	0.430	279.87

		<b>Note:</b> 1) Watering not to be done on rainy days 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	<b>4.12</b>	Watering mud pots using rose can, twice daily excluding cost of water. (Water storage pits should be dug up within 10 to 20 m from beds in the nursery) <b>Top x Bottom x Height</b>			
FR-L1965	4.12.1	25 x 12 x 15 cm	1000/day	0.53	344.95
FR-L1966	4.12.2	30 x 12 x 15 cm	1000/day	0.53	344.95
FR-L1967	4.12.3	30 x 15 x 25 cm	1000/day	0.75	488.14
FR-L1968	4.12.4	40 x 15 x 30 cm	1000/day	1.43	930.72
FR-L1969	<b>4.13</b>	Flood watering in sunken beds of 10x1m	Bed/day	0.03	19.53
	<b>4.14</b>	Shifting and grading potted seedlings in the nursery. <b>Top x Bottom x Height</b>			
FR-L1970	4.14.1	25 x 12 x 15 cm	1000/shift	2.31	1503.46
FR-L1971	4.14.2	30 x 12 x 15 cm	1000/shift	2.75	1789.84
FR-L1972	4.14.3	30 x 15 x 25 cm	1000/shift	4.37	2844.21
FR-L1973	4.14.4	40 x 15 x 30 cm	1000/shift	5.53	3599.20
	<b>4.15</b>	<b>Shifting the container plants, weeding, grading and replacement of casualties in the bags</b>			
FR-L1974	4.15.1	8 x 15 cm	1000/shift	0.25	162.71
FR-L1975	4.15.2	10 x 15 cm	1000/shift	0.29	188.75
FR-L1976	4.15.3	10 x 20 cm	1000/shift	0.33	214.78
FR-L1977	4.15.4	13 x 25 cm	1000/shift	0.51	331.93
FR-L1978	4.15.5	16 x 30 cm	1000/shift	0.79	514.17
FR-L1979	4.15.6	20 x 30 cm	1000/shift	0.97	631.32
FR-L1980	4.15.7	30 x 45 cm	1000/shift	2.69	1750.79
FR-L1981	4.15.8	35 x 50 cm	1000/shift	3.77	2453.70
		<b>Note:</b> Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			

	<b>4.17</b>	Land rent for nursery in private lands	40 M2(or) cent/month	Addenda B1594-17/FSR	100.00
		<i>The revision of enhanced rate approved in PCCF, Chennai Proc. No.TS1/12739/2023 Dated.23.08.2023</i>			
		<b>Details of land requirement</b>			
FR-L1982		8 x 15 = 9,000 bags/cent			
FR-L1983		10 x 20 = 6000 bags/cent			
FR-L1984		13 x 25 = 3000 bags/cent			
FR-L1985		16 x 30 = 2000 bags/cent			
	<b>4.18.4</b>	Cost of water for watering the container seedlings from private well.	1000 bags /watering		
FR-L1986		8 x 15 cm			-
FR-L1987		10 x 15 cm			-
FR-L1988		10 x 20 cm			-
FR-L1989		13 x 25 cm			8.50
FR-L1990		16 x 30 cm			16.00
FR-L1991		30 x 45 cm			32.00
		<i>The revision of enhanced rate approved in PCCF, Chennai Proc. No.TS1/12739/2023 dated.23.08.2023</i>			
FR-L1992	<b>4.21</b>	Digging water storage pit Top 3 x 3m, Bottom 2.1 x 2.1m & Depth 1 mt.	One pit	P.W.D. Rate may be followed	
	<b>5.</b>	<b>PLANTING SITE PREPARATION</b>			
	<b>5.1</b>	Ploughing the land with Tractor - Disc Plough		TAFORN rate may be adopted	
FR-L1993	5.1.1	Once	Hec.		-
FR-L1994	5.1.2	Twice			-
	<b>5.2</b>	Aligning and marking or staking excluding cost of stakes			
FR-L1995	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	898.17

FR-L1996	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38	898.17
	<b>5.3</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L1997	5.3.1	Non rainy season	100 Nos.	2.60	1692.21
FR-L1998	5.3.2	Rainy season	100 Nos.	2.16	1405.84
	<b>5.4</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L1999	5.4.1	Non rainy season	100 Nos.	2.09	1360.28
FR-L2000	5.4.2	Rainy season	100 Nos.	1.75	1138.99
	<b>5.5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil.</b>			
FR-L2001	5.5.1	Non rainy season	100 Nos.	4.70	3059.00
FR-L2002	5.5.2	Rainy season	100 Nos.	3.92	2551.33
	<b>5.6</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L2003	5.6.1	Non rainy season	100 Nos.	3.87	2518.79
FR-L2004	5.6.2	Rainy season	100 Nos.	3.23	2102.25
FR-L2005	5.6.3	Digging 45 cm <sup>3</sup> pits in Ploughed area in plains. (PCCF Ref. No : TS 1/23018/2010 dt:02.03.2011)	100 Nos.	1.62	1054.38
FR-L2006	<b>5.7</b>	Digging 30 cm <sup>3</sup> pits in sandy loam soil rainy season or non-rainy season	100 Nos.	1.51	982.78
FR-L2007	<b>5.8</b>	Digging 60 cm <sup>3</sup> pits in all types of soils for Avenue plantation.	100 Nos.	9.26	6026.87
FR-L2008	5.8.1	Non Rainy season	100 Nos.	9.26	6026.87
FR-L2009	5.8.2	Rainy season	100 Nos.	7.72	5024.56
FR-L2010	<b>5.9</b>	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos.	(25% of item 5.4)	
FR-L2011		Non Rainy season		0.52	338.44
FR-L2012		Rainy season		0.44	286.37

	<b>5.11</b>	Loading and unloading polybag container plants in private /departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)			
FR-L2013	5.11.1	8 x 15 cm	1000 Nos.	0.66	429.56
FR-L2014	5.11.2	10 x 15 cm	1000 Nos.	0.90	585.77
FR-L2015	5.11.3	10 x 20 cm	1000 Nos.	1.08	702.92
FR-L2016	5.11.4	13 x 25 cm	1000 Nos.	1.53	995.80
FR-L2017	5.11.5	16 x 30 cm	1000 Nos.	1.79	1165.02
FR-L2018	5.11.6	20 x 30 cm	1000 Nos.	2.22	1444.89
FR-L2019	5.11.7	30 x 45 cm	1000 Nos.	3.29	2141.30
FR-L2020	5.11.8	35 x 45 cm	1000 Nos.	3.53	2297.50
	<b>5.12</b>	<b>Pots with seedlings</b>			
		<b>Top x Bottom x Height</b>			
FR-L2021	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.17	2063.19
FR-L2022	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.63	2362.59
FR-L2023	5.12.3	30 x 12 x 25 cm	1000 Nos.	5.79	3768.42
FR-L2024	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.60	4946.46
	<b>5.13</b>	Transporting of polythene container seedlings by head loads in the places where approach roads are not available to take vehicles to planting site.			
	5.13.1	Distance upto 200 mts.			
		<b>(i) Hills/hillocks</b>			
FR-L2025		30 x 45 cm	1000 Nos.	15.00	9762.75
FR-L2026		35 x 50 cm	1000 Nos.	21.00	13667.85
		<b>(ii). Plains</b>			
FR-L2027		30 x 45 cm	1000 Nos.	11.00	7159.35
FR-L2028		35 x 50 cm	1000 Nos.	12.50	8135.63
	5.13.2	Distance upto 0.5 km.			
		<b>(i). Hills/hillocks</b>			
FR-L2029		8 x 15 cm	1000 Nos.	2.17	1412.34
FR-L2030		10 x 15 cm	1000 Nos.	2.74	1783.33

FR-L2031		10 x 20 cm	1000 Nos.	3.65	2375.60
FR-L2032		13 x 25 cm	1000 Nos.	5.98	3892.08
FR-L2033		16 x 30 cm	1000 Nos.	8.70	5662.40
FR-L2034		20 x 30 cm	1000 Nos.	10.87	7074.74
FR-L2035		30 x 45 cm	1000 Nos.	34.00	22128.90
FR-L2036		35 x 50 cm	1000 Nos.	54.00	35145.90
		<b>(ii). Plains</b>			
FR-L2037		8 x 15 cm	1000 Nos.	1.30	846.11
FR-L2038		10 x 15 cm	1000 Nos.	1.64	1067.39
FR-L2039		10 x 20 cm	1000 Nos.	2.19	1425.36
FR-L2040		13 x 25 cm	1000 Nos.	3.59	2336.55
FR-L2041		16 x 30 cm	1000 Nos.	5.22	3397.44
FR-L2042		20 x 30 cm	1000 Nos.	6.52	4243.54
FR-L2043		30 x 45 cm	1000 Nos.	30.00	19525.50
FR-L2044		35 x 50 cm	1000 Nos.	40.00	26034.00
	5.13.3	<b>Distance upto 1 km.</b>			
		<b>(i). Hills/hillocks</b>			
FR-L2045		8 x 15 cm	1000 Nos.	2.57	1672.68
FR-L2046		10 x 15 cm	1000 Nos.	3.22	2095.74
FR-L2047		10 x 20 cm	1000 Nos.	4.30	2798.66
FR-L2048		13 x 25 cm	1000 Nos.	6.97	4536.42
FR-L2049		16 x 30 cm	1000 Nos.	10.00	6508.50
FR-L2050		20 x 30 cm	1000 Nos.	12.61	8207.22
FR-L2051		30 x 45 cm	1000 Nos.	70.00	45559.50
FR-L2052		35 x 50 cm	1000 Nos.	99.00	64434.15
		<b>(ii). Plains</b>			
FR-L2053		8 x 15 cm	1000 Nos.	1.54	1002.31
FR-L2054		10 x 15 cm	1000 Nos.	1.93	1256.14

FR-L2055		10 x 20 cm	1000 Nos.	2.58	1679.19
FR-L2056		13 x 25 cm	1000 Nos.	4.18	2720.55
FR-L2057		16 x 30 cm	1000 Nos.	6.00	3905.10
FR-L2058		20 x 30 cm	1000 Nos.	7.57	4926.93
FR-L2059		30 x 45 cm	1000 Nos.	61.00	39701.85
FR-L2060		35 x 50 cm	1000 Nos.	85.00	55322.25
	<b>5.14</b>	<b>Potted seedlings</b>			
	5.14.1	<b>(i). Hills/hillocks</b>			
FR-L2061		25 x 12 x 15 cm	100 Nos.	1.25	813.56
FR-L2062		30 x 12 x 15 cm	100 Nos.	1.50	976.28
FR-L2063		30 x 15 x 25 cm	100 Nos.	3.14	2043.67
FR-L2064		40 x 15 x 30 cm	100 Nos.	5.02	3267.27
	5.14.1	<b>(ii). Plains</b>			
FR-L2065		25 x 12 x 15 cm	100 Nos.	0.61	397.02
FR-L2066		30 x 12 x 15 cm	100 Nos.	0.73	475.12
FR-L2067		30 x 15 x 25 cm	100 Nos.	1.53	995.80
FR-L2068		40 x 15 x 30 cm	100 Nos.	2.45	1594.58
	5.14.2	Distance upto 1 km			
		<b>(i). Hills/hillocks</b>			
FR-L2069		25 x 12 x 15 cm	100 Nos.	4.09	2661.98
FR-L2070		30 x 12 x 15 cm	100 Nos.	4.89	3182.66
FR-L2071		30 x 15 x 25 cm	100 Nos.	10.24	6664.70
FR-L2072		40 x 15 x 30 cm	100 Nos.	17.83	11604.66
		<b>(ii). Plains</b>			
FR-L2073		25 x 12 x 15 cm	100 Nos.	1.43	930.72
FR-L2074		30 x 12 x 15 cm	100 Nos.	1.70	1106.45
FR-L2075		30 x 15 x 25 cm	100 Nos.	3.60	2343.06
FR-L2076		40 x 15 x 30 cm	100 Nos.	5.65	3677.30

	<b>5.15</b>	Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is			
	5.15.1	<b>Upto 100 m.</b>			
FR-L2077		8 x 15 cm	1000 Nos.	0.38	247.32
FR-L2078		10 x 15 cm	1000 Nos.	0.38	247.32
FR-L2079		10 x 20 cm	1000 Nos.	0.88	572.75
FR-L2080		13 x 25 cm	1000 Nos.	1.69	1099.94
FR-L2081		16 x 30 cm	1000 Nos.	3.13	2037.16
FR-L2082		20 x 30 cm	1000 Nos.	3.89	2531.81
FR-L2083		30 x 45 cm	1000 Nos.	10.00	6508.50
FR-L2084		35 x 50 cm	1000 Nos.	17.00	11064.45
	5.15.2	<b>Upto 200 m.</b>			
FR-L2085		8 x 15 cm	1000 Nos.	0.75	488.14
FR-L2086		10 x 15 cm	1000 Nos.	0.75	488.14
FR-L2087		10 x 20 cm	1000 Nos.	1.50	976.28
FR-L2088		13 x 25 cm	1000 Nos.	2.25	1464.41
FR-L2089		16 x 30 cm	1000 Nos.	4.66	3032.96
FR-L2090		20 x 30 cm	1000 Nos.	5.83	3794.46
FR-L2091		30 x 45 cm	1000 Nos.	17.50	11389.88
FR-L2092		35 x 50 cm	1000 Nos.	26.50	17247.53
	5.15.3	<b>Upto 500 m.</b>			
FR-L2093		8 x 15 cm	1000 Nos.	1.44	937.22
FR-L2094		10 x 15 cm	1000 Nos.	1.44	937.22
FR-L2095		10 x 20 cm	1000 Nos.	2.75	1789.84
FR-L2096		13 x 25 cm	1000 Nos.	4.54	2954.86
FR-L2097		16 x 30 cm	1000 Nos.	8.22	5349.99
FR-L2098		20 x 30 cm	1000 Nos.	10.13	6593.11
FR-L2099		30 x 45 cm	1000 Nos.	41.00	26684.85
FR-L2100		35 x 50 cm	1000 Nos.	51.00	33193.35

	5.15.4	<b>Upto 1000 m.</b>			
FR-L2101		8 x 15 cm	1000 Nos.	1.81	1178.04
FR-L2102		10 x 15 cm	1000 Nos.	1.81	1178.04
FR-L2103		10 x 20 cm	1000 Nos.	3.79	2466.72
FR-L2104		13 x 25 cm	1000 Nos.	6.68	4347.68
FR-L2105		16 x 30 cm	1000 Nos.	10.73	6983.62
FR-L2106		20 x 30 cm	1000 Nos.	13.26	8630.27
FR-L2107		30 x 45 cm	1000 Nos.	67.00	43606.95
FR-L2108		35 x 50 cm	1000 Nos.	81.00	52718.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	5.16.1	<b>Upto 100 m.</b>			
FR-L2109		8 x 15 cm	1000 Nos.	0.75	488.14
FR-L2110		10 x 15 cm	1000 Nos.	0.75	488.14
FR-L2111		10 x 20 cm	1000 Nos.	1.34	872.14
FR-L2112		13 x 25 cm	1000 Nos.	2.88	1874.45
FR-L2113		16 x 30 cm	1000 Nos.	6.00	3905.10
FR-L2114		20 x 30 cm	1000 Nos.	7.48	4868.36
FR-L2115		30 x 45 cm	1000 Nos.	18.00	11715.30
FR-L2116		35 x 50 cm	1000 Nos.	24.50	15945.83
	5.16.2	<b>Upto 200 m.</b>			
FR-L2117		8 x 15 cm	1000 Nos.	1.13	735.46
FR-L2118		10 x 15 cm	1000 Nos.	1.13	735.46
FR-L2119		10 x 20 cm	1000 Nos.	1.74	1132.48
FR-L2120		13 x 25 cm	1000 Nos.	4.64	3019.94
FR-L2121		16 x 30 cm	1000 Nos.	8.51	5538.73
FR-L2122		20 x 30 cm	1000 Nos.	10.43	6788.37
FR-L2123		30 x 45 cm	1000 Nos.	30.00	19525.50
FR-L2124		35 x 50 cm	1000 Nos.	37.00	24081.45

	5.16.3	<b>Upto 500 m.</b>			
FR-L2125		8 x 15 cm	1000 Nos.	1.75	1138.99
FR-L2126		10 x 15 cm	1000 Nos.	1.75	1138.99
FR-L2127		10 x 20 cm	1000 Nos.	3.71	2414.65
FR-L2128		13 x 25 cm	1000 Nos.	6.96	4529.92
FR-L2129		16 x 30 cm	1000 Nos.	13.31	8662.81
FR-L2130		20 x 30 cm	1000 Nos.	16.74	10895.23
FR-L2131		30 x 45 cm	1000 Nos.	52.50	34169.63
FR-L2132		35 x 50 cm	1000 Nos.	67.00	43606.95
	5.16.4	<b>Upto 1000 m.</b>			
FR-L2133		8 x 15 cm	1000 Nos.	2.50	1627.13
FR-L2134		10 x 15 cm	1000 Nos.	2.50	1627.13
FR-L2135		10 x 20 cm	1000 Nos.	4.68	3045.98
FR-L2136		13 x 25 cm	1000 Nos.	9.66	6287.21
FR-L2137		16 x 30 cm	1000 Nos.	17.38	11311.77
FR-L2138		20 x 30 cm	1000 Nos.	21.74	14149.48
FR-L2139		30 x 45 cm	1000 Nos.	76.00	49464.60
FR-L2140		35 x 50 cm	1000 Nos.	97.00	63132.45
	<b>5.17</b>	Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is			
	5.17.1	Upto 100m			
FR-L2141		30 x 15 x 25 cm	100 Nos.	0.62	403.53
	5.17.2	Upto 200m			
FR-L2142		30 x 15 x 25 cm	100 Nos.	1.19	774.51
	5.17.3	Upto 500m			
FR-L2143		30 x 15 x 25 cm	100 Nos.	1.71	1112.95
	5.17.4	Upto 1000m			
FR-L2144		30 x 15 x 25 cm	100 Nos.	3.28	2134.79

	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	Upto 100m			
FR-L2145		25 x 12 x 15 cm	100 Nos.	0.88	572.75
FR-L2146		30 x 15 x 25 cm	100 Nos.	1.50	976.28
	5.18.2	Upto 200m			
FR-L2147		25 x 12 x 15 cm	100 Nos.	1.73	1125.97
FR-L2148		30 x 15 x 25 cm	100 Nos.	2.81	1828.89
	5.18.3	Upto 500m			
FR-L2149		25 x 12 x 15 cm	100 Nos.	3.25	2115.26
FR-L2150		30 x 15 x 25 cm	100 Nos.	5.18	3371.40
	5.18.4	Upto 1000m			
FR-L2151		25 x 12 x 15 cm	100 Nos.	5.40	3514.59
FR-L2152		30 x 15 x 25 cm	100 Nos.	8.88	5779.55
FR-L2153	<b>5.20</b>	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.70	455.60
FR-L2154	<b>5.21</b>	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15	748.48
FR-L2155	<b>5.22</b>	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71	1112.95
FR-L2156	<b>5.23</b>	Replacement casualty by reopening the failed pits and planting the seedlings. (excluding the cost of transport and distribution of seedlings)	100 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L2157	<b>5.24</b>	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks. <b>Note:</b> Whether done for first time or second time, the same rate.	100 Nos.	1.23	800.55

FR-L2158	<b>5.25</b>	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1874.45
FR-L2159	<b>5.26</b>	Forming catch water drains for each plant of 90x45x30 cm size in hillocks and hard gravelly soil	100 Nos.	6.84	4451.81
FR-L2160	<b>5.27</b>	Removing/scrapping vizal mansion or bothai grass for one meter dia around the plants	100 Nos.	0.21	136.68
FR-L2161	<b>5.36</b>	Kiluvai fencing around the tamarind plants to a dia of 1m and height of 1m.	1 No.	0.80	520.68
FR-L2162	5.36.1	Brushwood fencing utilizing the cut materials obtained from the plantation around nursery	Km.	-	360.00
FR-L2163	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones if available or semi circular bund as per the site conditions.		This item is disallowed as per the PCCF's Ref. No. F1/11175/1997, dt:06.03.1997.	
		<b>Note:</b> This item of work should not be carried out for the plants for which catch water drains or semi circular bunds are formed.			
FR-L2164	<b>5.43</b>	Heaping the debris and burning	Ha.	2.00	1301.70
FR-L2165		a). Broadcast sowing of seeds of local leguminous species	Ha.	-	65.00
FR-L2166		b). Planting vegetative propagated cutting including cost and collection	each	-	3.80
FR-L2167		c). Protection charges watch and ward	1000 Nos.	-	80.00
	<b>6.</b>	<b>TEAK</b>			
FR-L2168	6.2	Preparation of teak stumps	1000 Nos.	6.00	3905.10
FR-L2169	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00	5206.80
FR-L2170	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.00	6508.50

FR-L2171	<b>7.1.1</b>	Digging wells in plantations sites including provision of herbs (side support to protect falling of earth or silting (4m at top, 1 m bottom 2m depth)	Each	PWD rate	
FR-L2172	7.1.2	Maintenance of well in casuarinas plantation areas.	1 No.	0.40	260.34
FR-L2173	<b>7.7</b>	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33	865.63
	<b>9.</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L2174	9.15.1	Felling, billeting and stacking of fire wood departmentally into billets in 1 m long arranging in stacks of 2 m length 1 m wide and 1m height. Hardwood (Babul another Acacia, Casuarinas etc.)	Tonne	2.41	1568.55
FR-L2175	9.15.2	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	722.44
FR-L2176	<b>11.</b>	Digging water harvesting trenches of size 5x1x0.30 m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	Each	1.445	940.48
	<b>12.</b>	<b>Removal of invasive species (Lantana camara, Eupatorium, Parthenium, etc., )</b>			
	12.1	<b>Fresh removal</b>			
FR-L2177	12.1.1	Heavy growth	Ha.	100.00	65085.00
FR-L2178	12.1.2	Medium growth	Ha.	68.97	44889.12
FR-L2179	12.1.3	Light growth	Ha.	47.62	30993.48
	<b>12.2</b>	<b>2nd year maintenance</b>			
FR-L2180	12.2.1	Heavy growth	Ha.	75.00	48813.75
FR-L2181	12.2.2	Medium growth	Ha.	45.45	29581.13
FR-L2182	12.2.3	Light growth	Ha.	35.00	22779.75

	<b>12.3</b>	<b>3rd year maintenance</b>			
FR-L2183	12.3.1	Heavy growth	Ha.	48.40	31501.14
FR-L2184	12.3.2	Medium growth	Ha.	37.50	24406.88
FR-L2185	12.3.3	Light growth	Ha.	23.95	15587.86

## Forest Schedule of Rates 2024-2025

**Class C - Grade III      District: Namakkal**

Unique Code	Standard Code No.	Description of operations	Unit	Mandays required	Namakkal District (Rs. 650.85 / per day)
	<b>1.</b>	<b>SANDALWOOD OPERATIONS</b>			
	<b>1.4</b>	Extraction and transport of marked sandal- wood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91cms and above, marking the pits with paint, distance of 2 kms.			
FR-L2186	1.4.1	0 - 15 cm	Tree	0.174	113.25
FR-L2187	1.4.2	16 - 30 cm		0.396	257.74
FR-L2188	1.4.3	31 - 45 cm		0.967	629.37
FR-L2189	1.4.4	46 - 60 cm		1.920	1249.63
FR-L2190	1.4.5	61 - 75 cm		3.223	2097.69
FR-L2191	1.4.6	76 - 90 cm		4.675	3042.72
FR-L2192	1.4.7	91 - 105 cm		6.476	4214.90
FR-L2193	1.4.8	106 - 120 cm		8.427	5484.71
FR-L2194	1.4.9	121 - 135 cm		10.627	6916.58
FR-L2195	1.4.10	136 - 150 cm		12.977	8446.08
FR-L2196	1.4.11	151 - 165 cm		15.476	10072.55
FR-L2197	1.4.12	166 - 180 cm		18.124	11796.01
	<b>1.5</b>	Extraction and transport by head load without rough cleaning from pit site to forest depot after debarking upto 5kms (For trees upto 4 m height).			
FR-L2198	1.5.1	0 - 15 cm		0.308	200.46
FR-L2199	1.5.2	16 - 30 cm		0.896	583.16
FR-L2200	1.5.3	31 - 45 cm		1.667	1084.97
FR-L2201	1.5.4	46 - 60 cm		3.220	2095.74
FR-L2202	1.5.5	61 - 75 cm		5.123	3334.30
FR-L2203	1.5.6	76 - 90 cm		7.375	4800.02
FR-L2204	1.5.7	91 - 105 cm		9.976	6492.88
FR-L2205	1.5.8	106 - 120 cm		12.627	8218.28

FR-L2206	1.5.9	121 - 135 cm		15.527	10105.75
FR-L2207	1.5.10	136 - 150 cm		18.577	12090.84
FR-L2208	1.5.11	151 - 165 cm		21.776	14172.91
FR-L2209	1.5.12	166 - 180 cm		25.124	16351.96
	<b>1.6</b>	Extraction and transport of uncleaned trees from pit site to forest depot by head load above 5 kms and upto 10 kms only (Trees upto 4m height) Rates as in item 1.5 plus this rate towards transport for every additional km. may be allowed.			
			Tree		
FR-L2210	1.6.1	0 - 15 cm		0.040	26.03
FR-L2211	1.6.2	16 - 30 cm		0.130	84.61
FR-L2212	1.6.3	31 - 45 cm		0.220	143.19
FR-L2213	1.6.4	46 - 60 cm		0.440	286.37
FR-L2214	1.6.5	61 - 75 cm		0.700	455.60
FR-L2215	1.6.6	76 - 90 cm		1.000	650.85
FR-L2216	1.6.7	91 - 105 cm		1.340	872.14
FR-L2217	1.6.8	106 - 120 cm		1.660	1080.41
FR-L2218	1.6.9	121 - 135 cm		2.000	1301.70
FR-L2219	1.6.10	136 - 150 cm		2.234	1454.00
FR-L2220	1.6.11	151 - 165 cm		2.680	1744.28
FR-L2221	1.6.12	166 - 180 cm		3.020	1965.57
FR-L2222	<b>1.9</b>	Rough cleaning the uncleaned sandalwood trees	Tonne (uncleaned wood)	18.030	11734.83
FR-L2223	<b>1.10</b>	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for storage in single lock	Tonne (uncleaned wood)	15.670	10198.82
	<b>1.19</b>	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	Per kg.		0.00
FR-L2224	1.19.1	0 - 2 kg.		0.128	83.31
FR-L2225	1.19.2	2 - 4 kg.		0.316	205.67
FR-L2226	1.19.3	4 - 6 kg.		0.474	308.50

FR-L2227	1.16.4	6 - 8 kg.		0.623	405.48
FR-L2228	1.19.5	8 - 10 kg.		0.768	499.85
FR-L2229	1.19.6	10 - 15 kg.		1.120	728.95
FR-L2230	1.19.7	15 - 20 kg.		1.429	930.06
FR-L2231	1.19.8	20 - 25 kg.		1.716	1116.86
FR-L2232	1.19.9	25 - 30 kg.		2.029	1320.57
FR-L2233	1.19.10	30 - 40 kg.		2.592	1687.00
FR-L2234	1.19.11	40 - 50 kg.		3.076	2002.01
	<b>2.</b>	<b>FIRE PROTECTION</b>			
FR-L2235	2.1.1	Scraping annually fire line to a width of 7.5 mts in Nilgiris, upper Palani, Anamalais etc.	Km	Not related to this circle	
FR-L2236	2.2.1	Scraping annually fire line to a width of 6 mts in hill areas.	Km	30.00	19525.50
FR-L2237	2.2.2	Scraping annually fire line to a width of 7.5 mts with fire tracing in plains	Km	21.52	14006.29
FR-L2238	<b>2.4</b>	Annual clearing to 3 meters width and fire tracing around the plantations	Km	17.46	11363.84
	<b>3.</b>	<b>DEMARCATATION</b>			
FR-L2239	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc., to a width of 6 mts.	Km	21.00	13667.85
FR-L2240	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and compass survey)	100 Mts.	0.31	201.76
FR-L2241	3.5.1	Demarcation by planting with boundary stone pillars of 0.15m x 0.15m x 1.8m size excluding the cost of stones but including transport from road site to field & head load transport from unloading point to planting site upto 5km	Each stone	P.W.D. Rate	
FR-L2242	3.5.2	For every additional km. Beyond 5km .limited to 50 km including initial lead.	Each stone	P.W.D. Rate	

	3.6.1	Planting of boundary stone pillars of 0.15m x 0.15m x 0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations, where the lead from unloading point to planting site			
FR-L2243		(i) Upto 5 km	Each stone	P.W.D.Rate	
FR-L2244		(ii) For every additional km	Each stone	P.W.D.Rate	
FR-L2245	<b>3.7</b>	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base	Each	1.00	650.85
	<b>4.</b>	<b>NURSERY OPERATIONS</b>			
FR-L2246	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size	200 sq.mt. (for 10 standard beds)	2.42	1575.06
FR-L2247	4.2	Formation of germination bed of size 10 x 1.0 x 0.30 m	One bed	FSR 1986-87	0.00
FR-L2248	4.4	Formation of trenches of size 10 m length 1 m width and 0.30 m/0.45 m depth, burying mud pots in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00	1301.70
FR-L2249	4.5.1	Watering the germination beds twice daily with rose can	10 beds/day	0.82	533.70
FR-L2250	4.5.2	Watering the germination beds once daily with rose can	10 beds/day	0.41	266.85
	<b>4.6</b>	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags, arranging bags in beds and pricking out the seedlings (Excluding cost of fertile earth and farmyard manure)			
		<b>Note:</b> The proportion of earth and farmyard manure will be fixed by the respective Conservator of Forests for polythene container size			
FR-L2251	4.6.1	8 x 15 cm	1000 bags	3.05	1985.09
FR-L2252	4.6.2	10 x 15 cm	1000 bags	3.28	2134.79
FR-L2253	4.6.3	10 x 20 cm	1000 bags	3.53	2297.50
FR-L2254	4.6.4	13 x 25 cm	1000 bags	4.48	2915.81
FR-L2255	4.6.5	16 x 30 cm	1000 bags	5.95	3872.56
FR-L2256	4.6.6	20 x 30 cm	1000 bags	7.44	4842.32

FR-L2257	4.6.7	30 x 45 cm	1000 bags	28.57	18594.78
FR-L2258	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	24081.45
FR-L2259	4.6.9	Collection and supply of good quality of red earth including transporting upto 5km.	M <sup>3</sup>	-	1200.00
		<b>Note:</b> Minimum lead should be adopted.			
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 Dated:23-08-2023. It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
FR-L2260	4.6.10	Collection and supply of river sand and Silt including transport	M <sup>3</sup>	P.W.D. SSR Rate	936.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 Dated:23-08-2023. It shall be applicable only when the river sand or silt is purchased from Public Works Department government depots.			
FR-L2261	4.6.11	Collection and supply of farmyard manure including transport	M <sup>3</sup>	As per proposals	800.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 Dated:23-08-2023. It shall be applicable only when the farmyard manure is purchased from private source and should not be used when same is being collected from any government land.			
		<b>Mix Proportion</b>	<u>Earth</u>	<u>Manure</u>	
FR-L2262		10 x 20 cm 1:4	0.44M <sup>3</sup>	0.11M <sup>3</sup>	
FR-L2263		13 x 25 cm 1:3	0.99M <sup>3</sup>	0.34M <sup>3</sup>	
FR-L2264		16 x 30 cm 1:3	1.55M <sup>3</sup>	0.51M <sup>3</sup>	
FR-L2265		30 x 45 cm 1:3	3.22M <sup>3</sup>	9.66M <sup>3</sup>	
	<b>4.7</b>	Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the pots. Top x Bottom x Height			
FR-L2266		40 x 15 x 30 cm	100 Nos.	2.80	1822.38
FR-L2267		30 x 15 x 25 cm	100 Nos.	1.75	1138.99
FR-L2268		25 x 12 x 15 cm	100 Nos.	0.70	455.60

FR-L2269	<b>4.9</b>	Forming temporary shade pandals 10m x 1m including collection of grasses, materials, etc.,	Per pandal	1.00	650.85
	<b>4.10</b>	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m - 20m from beds)</b>			
FR-L2270	4.10.1	8 x 15 cm	1000/day	0.16	104.14
FR-L2271	4.10.2	10 x 15 cm	1000/day	0.16	104.14
FR-L2272	4.10.3	10 x 20 cm	1000/day	0.20	130.17
FR-L2273	4.10.4	13 x 25 cm	1000/day	0.23	149.70
FR-L2274	4.10.5	16 x 30 cm	1000/day	0.37	240.81
FR-L2275	4.10.6	20 x 30 cm	1000/day	0.46	299.39
FR-L2276	4.10.7	30 x 45 cm	1000/day	0.56	364.48
FR-L2277	4.10.8	35 x 50 cm	1000/day	0.86	559.73
	<b>4.11</b>	<b>Watering the container plants once a day</b>			
FR-L2278	4.11.1	8 x 15 cm	1000/day	0.080	52.07
FR-L2279	4.11.2	10 x 15 cm	1000/day	0.080	52.07
FR-L2280	4.11.3	10 x 20 cm	1000/day	0.100	65.09
FR-L2281	4.11.4	13 x 25 cm	1000/day	0.115	74.85
FR-L2282	4.11.5	16 x 30 cm	1000/day	0.185	120.41
FR-L2283	4.11.6	20 x 30 cm	1000/day	0.230	149.70
FR-L2284	4.11.7	30 x 45 cm	1000/day	0.280	182.24
FR-L2285	4.11.8	35 x 50 cm	1000/day	0.430	279.87
		<b>Note:</b> 1) Watering not to be done on rainy days 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	<b>4.12</b>	Watering mudpots using rose can, twice daily excluding cost of water. (Water storage pits should be dug up within 10 to 20 m from beds in the nursery) Top x Bottom x Height			
FR-L2286	4.12.1	25 x 12 x 15 cm	1000/day	0.53	344.95
FR-L2287	4.12.2	30 x 12 x 15 cm	1000/day	0.53	344.95
FR-L2288	4.12.3	30 x 15 x 25 cm	1000/day	0.75	488.14
FR-L2289	4.12.4	40 x 15 x 30 cm	1000/day	1.43	930.72

FR-L2290	<b>4.13</b>	Flood watering in sunken beds of 10x1m	Bed/day	0.03	19.53
	<b>4.14</b>	Shifting and grading potted seedlings in the nursery. Top x Bottom x Height			
FR-L2291	4.14.1	25 x 12 x 15 cm	1000/shift	2.31	1503.46
FR-L2292	4.14.2	30 x 12 x 15 cm	1000/shift	2.75	1789.84
FR-L2293	4.14.3	30 x 15 x 25 cm	1000/shift	4.37	2844.21
FR-L2294	4.14.4	40 x 15 x 30 cm	1000/shift	5.53	3599.20
	<b>4.15</b>	<b>Shifting the container plants, weeding, grading and replacement of casualties in the bags</b>			
FR-L2295	4.15.1	8 x 15 cm	1000/shift	0.25	162.71
FR-L2296	4.15.2	10 x 15 cm	1000/shift	0.29	188.75
FR-L2297	4.15.3	10 x 20 cm	1000/shift	0.33	214.78
FR-L2298	4.15.4	13 x 25 cm	1000/shift	0.51	331.93
FR-L2299	4.15.5	16 x 30 cm	1000/shift	0.79	514.17
FR-L2300	4.15.6	20 x 30 cm	1000/shift	0.97	631.32
FR-L2301	4.15.7	30 x 45 cm	1000/shift	2.69	1750.79
FR-L2302	4.15.8	35 x 50 cm	1000/shift	3.77	2453.70
		<b>Note:</b> Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			
FR-L2303	<b>4.17</b>	Land rent for nursery in private lands	40 M2(or) cent/month	Addenda 4-17/FSR	100.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023.			
		<b>Details of land requirement</b>			
FR-L2304		8 x 15 = 9,000 bags/cent			
FR-L2305		10 x 20 = 6000 bags/cent			
FR-L2306		13 x 25 = 3000 bags/cent			
FR-L2307		16 x 30 = 2000 bags/cent			

	<b>4.18</b>	<b>Cost of water for watering the container seedlings from private well.</b>	1000 bags /watering		
FR-L2308		8 x 15 cm			-
FR-L2309		10 x 15 cm			-
FR-L2310		10 x 20 cm			-
FR-L2311		13 x 25 cm			8.50
FR-L2312		16 x 30 cm			16.00
FR-L2313		30 x 45cm			32.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 Dated:23-08-2023.			
FR-L2314	<b>4.21</b>	Digging water storage pit Top 3 x 3m, Bottom 2.1 x 2.1m & Depth 1 mt.	One pit	P.W.D. Rate may be followed	
	<b>5.</b>	<b>PLANTING SITE PREPARATION</b>			
FR-L2315	<b>5.1</b>	Ploughing the land with Tractor - Disc Plough	TAF CORN rate may be adopted		
FR-L2316	5.1.1	Once	Hec.		-
FR-L2317	5.1.2	Twice			-
	<b>5.2</b>	<b>Aligning and marking or staking excluding cost of stakes</b>			
FR-L2318	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	898.17
FR-L2319	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38	898.17
	<b>5.3</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L2320	5.3.1	Non rainy season	100 Nos.	2.60	1692.21
FR-L2321	5.3.2	Rainy season	100 Nos.	2.16	1405.84
	<b>5.4</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L2322	5.4.1	Non rainy season	100 Nos.	2.09	1360.28
FR-L2323	5.4.2	Rainy season	100 Nos.	1.75	1138.99
	<b>5.5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil.</b>			
FR-L2324	5.5.1	Non rainy season	100 Nos.	4.70	3059.00
FR-L2325	5.5.2	Rainy season	100 Nos.	3.92	2551.33

	<b>5.6</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L2326	5.6.1	Non rainy season	100 Nos.	3.87	2518.79
FR-L2327	5.6.2	Rainy season	100 Nos.	3.23	2102.25
FR-L2328	5.6.3	Digging 45 cm <sup>3</sup> pits in Ploughed area in plains. (PCCF Ref.No:TS1/23018/2010 dt:02.03.2011)	100 Nos.	1.62	1054.38
FR-L2329	<b>5.7</b>	<b>Digging 30 cm<sup>3</sup> pits in sandy loam soil rainy season or non-rainy season</b>	100 Nos.	1.51	982.78
FR-L2330	<b>5.8</b>	<b>Digging 60 cm<sup>3</sup> pits in all types of soils for Avenue plantation.</b>	100 Nos.	9.26	6026.87
FR-L2331	5.8.1	Non Rainy season	100 Nos.	9.26	6026.87
FR-L2332	5.8.2	Rainy season	100 Nos.	7.72	5024.56
	<b>5.9</b>	<b>Digging 30 cm<sup>3</sup> pits in ploughed area</b>	100 Nos.	(25% of item 5.4)	
FR-L2333		Non Rainy season		0.52	338.44
FR-L2334		Rainy season		0.44	286.37
	<b>5.11</b>	Loading and unloading polybag container plants in private /departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)			
FR-L2335	5.11.1	8 x 15 cm	1000 Nos.	0.66	429.56
FR-L2336	5.11.2	10 x 15 cm	1000 Nos.	0.90	585.77
FR-L2337	5.11.3	10 x 20 cm	1000 Nos.	1.08	702.92
FR-L2338	5.11.4	13 x 25 cm	1000 Nos.	1.53	995.80
FR-L2339	5.11.5	16 x 30 cm	1000 Nos.	1.79	1165.02
FR-L2340	5.11.6	20 x 30 cm	1000 Nos.	2.22	1444.89
FR-L2341	5.11.7	30 x 45 cm	1000 Nos.	3.29	2141.30
FR-L2342	5.11.8	35 x 45 cm	1000 Nos.	3.53	2297.50
	<b>5.12</b>	<b>Pots with seedlings</b>			
		Top x Bottom x Height			
FR-L2343	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.17	2063.19
FR-L2344	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.63	2362.59
FR-L2345	5.12.3	30 x 12 x 25 cm	1000 Nos.	5.79	3768.42
FR-L2346	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.60	4946.46

	<b>5.13</b>	<b>Transporting of polythene container seedlings by head loads in the places where approach roads are not available to take vehicles to planting site.</b>			
	5.13.1	Distance upto 200 mts.			
		<b>(i) Hills/hillocks</b>			
FR-L2347		30 x 45 cm	1000 Nos.	15.00	9762.75
FR-L2348		35 x 50 cm	1000 Nos.	21.00	13667.85
		<b>(ii). Plains</b>			
FR-L2349		30 x 45 cm	1000 Nos.	11.00	7159.35
FR-L2350		35 x 50 cm	1000 Nos.	12.50	8135.63
	5.13.2	Distance upto 0.5 km.			
		<b>(i). Hills/hillocks</b>			
FR-L2351		8 x 15 cm	1000 Nos.	2.17	1412.34
FR-L2352		10 x 15 cm	1000 Nos.	2.74	1783.33
FR-L2353		10 x 20 cm	1000 Nos.	3.65	2375.60
FR-L2354		13 x 25 cm	1000 Nos.	5.98	3892.08
FR-L2355		16 x 30 cm	1000 Nos.	8.70	5662.40
FR-L2356		20 x 30 cm	1000 Nos.	10.87	7074.74
FR-L2357		30 x 45 cm	1000 Nos.	34.00	22128.90
FR-L2358		35 x 50 cm	1000 Nos.	54.00	35145.90
		<b>(ii). Plains</b>			
FR-L2359		8 x 15 cm	1000 Nos.	1.30	846.11
FR-L2360		10 x 15 cm	1000 Nos.	1.64	1067.39
FR-L2361		10 x 20 cm	1000 Nos.	2.19	1425.36
FR-L2362		13 x 25 cm	1000 Nos.	3.59	2336.55
FR-L2363		16 x 30 cm	1000 Nos.	5.22	3397.44
FR-L2364		20 x 30 cm	1000 Nos.	6.52	4243.54
FR-L2365		30 x 45 cm	1000 Nos.	30.00	19525.50
FR-L2366		35 x 50 cm	1000 Nos.	40.00	26034.00

	5.13.3	Distance upto 1 km.			
		<b>(i). Hills/hillocks</b>			
FR-L2367		8 x 15 cm	1000 Nos.	2.57	1672.68
FR-L2368		10 x 15 cm	1000 Nos.	3.22	2095.74
FR-L2369		10 x 20 cm	1000 Nos.	4.30	2798.66
FR-L2370		13 x 25 cm	1000 Nos.	6.97	4536.42
FR-L2371		16 x 30 cm	1000 Nos.	10.00	6508.50
FR-L2372		20 x 30 cm	1000 Nos.	12.61	8207.22
FR-L2373		30 x 45 cm	1000 Nos.	70.00	45559.50
FR-L2374		35 x 50 cm	1000 Nos.	99.00	64434.15
		<b>(ii). Plains</b>			
FR-L2375		8 x 15 cm	1000 Nos.	1.54	1002.31
FR-L2376		10 x 15 cm	1000 Nos.	1.93	1256.14
FR-L2377		10 x 20 cm	1000 Nos.	2.58	1679.19
FR-L2378		13 x 25 cm	1000 Nos.	4.18	2720.55
FR-L2379		16 x 30 cm	1000 Nos.	6.00	3905.10
FR-L2380		20 x 30 cm	1000 Nos.	7.57	4926.93
FR-L2381		30 x 45 cm	1000 Nos.	61.00	39701.85
FR-L2382		35 x 50 cm	1000 Nos.	85.00	55322.25
	<b>5.14</b>	<b>Potted seedlings</b>			
	5.14.1	<b>(i). Hills/hillocks</b>			
FR-L2383		25 x 12 x 15 cm	100 Nos.	1.25	813.56
FR-L2384		30 x 12 x 15 cm	100 Nos.	1.50	976.28
FR-L2385		30 x 15 x 25 cm	100 Nos.	3.14	2043.67
FR-L2386		40 x 15 x 30 cm	100 Nos.	5.02	3267.27
	5.14.1	<b>(ii). Plains</b>			
FR-L2387		25 x 12 x 15 cm	100 Nos.	0.61	397.02
FR-L2388		30 x 12 x 15 cm	100 Nos.	0.73	475.12
FR-L2389		30 x 15 x 25 cm	100 Nos.	1.53	995.80
FR-L2390		40 x 15 x 30 cm	100 Nos.	2.45	1594.58

	5.14.2	Distance upto 1 km			
		<b>(i). Hills/hillocks</b>			
FR-L2391		25 x 12 x 15 cm	100 Nos.	4.09	2661.98
FR-L2392		30 x 12 x 15 cm	100 Nos.	4.89	3182.66
FR-L2393		30 x 15 x 25 cm	100 Nos.	10.24	6664.70
FR-L2394		40 x 15 x 30 cm	100 Nos.	17.83	11604.66
		<b>(ii). Plains</b>			
FR-L2395		25 x 12 x 15 cm	100 Nos.	1.43	930.72
FR-L2396		30 x 12 x 15 cm	100 Nos.	1.70	1106.45
FR-L2397		30 x 15 x 25 cm	100 Nos.	3.60	2343.06
FR-L2398		40 x 15 x 30 cm	100 Nos.	5.65	3677.30
	<b>5.15</b>	<b>Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is</b>			
	5.15.1	<b>Upto 100 m.</b>			
FR-L2399		8 x 15 cm	1000 Nos.	0.38	247.32
FR-L2400		10 x 15 cm	1000 Nos.	0.38	247.32
FR-L2401		10 x 20 cm	1000 Nos.	0.88	572.75
FR-L2402		13 x 25 cm	1000 Nos.	1.69	1099.94
FR-L2403		16 x 30 cm	1000 Nos.	3.13	2037.16
FR-L2404		20 x 30 cm	1000 Nos.	3.89	2531.81
FR-L2405		30 x 45 cm	1000 Nos.	10.00	6508.50
FR-L2406		35 x 50 cm	1000 Nos.	17.00	11064.45
	5.15.2	<b>Upto 200 m.</b>			
FR-L2407		8 x 15 cm	1000 Nos.	0.75	488.14
FR-L2408		10 x 15 cm	1000 Nos.	0.75	488.14
FR-L2409		10 x 20 cm	1000 Nos.	1.50	976.28
FR-L2410		13 x 25 cm	1000 Nos.	2.25	1464.41
FR-L2411		16 x 30 cm	1000 Nos.	4.66	3032.96
FR-L2412		20 x 30 cm	1000 Nos.	5.83	3794.46

FR-L2413		30 x 45 cm	1000 Nos.	17.50	11389.88
FR-L2414		35 x 50 cm	1000 Nos.	26.50	17247.53
	5.15.3	<b>Upto 500 m.</b>			
FR-L2415		8 x 15 cm	1000 Nos.	1.44	937.22
FR-L2416		10 x 15 cm	1000 Nos.	1.44	937.22
FR-L2417		10 x 20 cm	1000 Nos.	2.75	1789.84
FR-L2418		13 x 25 cm	1000 Nos.	4.54	2954.86
FR-L2419		16 x 30 cm	1000 Nos.	8.22	5349.99
FR-L2420		20 x 30 cm	1000 Nos.	10.13	6593.11
FR-L2421		30 x 45 cm	1000 Nos.	41.00	26684.85
FR-L2422		35 x 50 cm	1000 Nos.	51.00	33193.35
	5.15.4	<b>Upto 1000 m.</b>			
FR-L2423		8 x 15 cm	1000 Nos.	1.81	1178.04
FR-L2424		10 x 15 cm	1000 Nos.	1.81	1178.04
FR-L2425		10 x 20 cm	1000 Nos.	3.79	2466.72
FR-L2426		13 x 25 cm	1000 Nos.	6.68	4347.68
FR-L2427		16 x 30 cm	1000 Nos.	10.73	6983.62
FR-L2428		20 x 30 cm	1000 Nos.	13.26	8630.27
FR-L2429		30 x 45 cm	1000 Nos.	67.00	43606.95
FR-L2430		35 x 50 cm	1000 Nos.	81.00	52718.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	5.16.1	<b>Upto 100 m.</b>			
FR-L2431		8 x 15 cm	1000 Nos.	0.75	488.14
FR-L2432		10 x 15 cm	1000 Nos.	0.75	488.14
FR-L2433		10 x 20 cm	1000 Nos.	1.34	872.14
FR-L2434		13 x 25 cm	1000 Nos.	2.88	1874.45
FR-L2435		16 x 30 cm	1000 Nos.	6.00	3905.10
FR-L2436		20 x 30 cm	1000 Nos.	7.48	4868.36
FR-L2437		30 x 45 cm	1000 Nos.	18.00	11715.30
FR-L2438		35 x 50 cm	1000 Nos.	24.50	15945.83

	5.16.2	<b>Upto 200 m.</b>			
FR-L2439		8 x 15 cm	1000 Nos.	1.13	735.46
FR-L2440		10 x 15 cm	1000 Nos.	1.13	735.46
FR-L2441		10 x 20 cm	1000 Nos.	1.74	1132.48
FR-L2442		13 x 25 cm	1000 Nos.	4.64	3019.94
FR-L2443		16 x 30 cm	1000 Nos.	8.51	5538.73
FR-L2444		20 x 30 cm	1000 Nos.	10.43	6788.37
FR-L2445		30 x 45 cm	1000 Nos.	30.00	19525.50
FR-L2446		35 x 50 cm	1000 Nos.	37.00	24081.45
	5.16.3	<b>Upto 500 m.</b>			
FR-L2447		8 x 15 cm	1000 Nos.	1.75	1138.99
FR-L2448		10 x 15 cm	1000 Nos.	1.75	1138.99
FR-L2449		10 x 20 cm	1000 Nos.	3.71	2414.65
FR-L2450		13 x 25 cm	1000 Nos.	6.96	4529.92
FR-L2451		16 x 30 cm	1000 Nos.	13.31	8662.81
FR-L2452		20 x 30 cm	1000 Nos.	16.74	10895.23
FR-L2453		30 x 45 cm	1000 Nos.	52.50	34169.63
FR-L2454		35 x 50 cm	1000 Nos.	67.00	43606.95
	5.16.4	<b>Upto 1000 m.</b>			
FR-L2455		8 x 15 cm	1000 Nos.	2.50	1627.13
FR-L2456		10 x 15 cm	1000 Nos.	2.50	1627.13
FR-L2457		10 x 20 cm	1000 Nos.	4.68	3045.98
FR-L2458		13 x 25 cm	1000 Nos.	9.66	6287.21
FR-L2459		16 x 30 cm	1000 Nos.	17.38	11311.77
FR-L2460		20 x 30 cm	1000 Nos.	21.74	14149.48
FR-L2461		30 x 45 cm	1000 Nos.	76.00	49464.60
FR-L2462		35 x 50 cm	1000 Nos.	97.00	63132.45

	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is</b>			
	5.17.1	Upto 100m			
FR-L2463		30 x 15 x 25 cm	100 Nos.	0.62	403.53
	5.17.2	Upto 200m			
FR-L2464		30 x 15 x 25 cm	100 Nos.	1.19	774.51
	5.17.3	Upto 500m			
FR-L2465		30 x 15 x 25 cm	100 Nos.	1.71	1112.95
	5.17.4	Upto 1000m			
FR-L2466		30 x 15 x 25 cm	100 Nos.	3.28	2134.79
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	Upto 100m			
FR-L2467		25 x 12 x 15 cm	100 Nos.	0.88	572.75
FR-L2468		30 x 15 x 25 cm	100 Nos.	1.50	976.28
	5.18.2	Upto 200m			
FR-L2469		25 x 12 x 15 cm	100 Nos.	1.73	1125.97
FR-L2470		30 x 15 x 25 cm	100 Nos.	2.81	1828.89
	5.18.3	Upto 500m			
FR-L2471		25 x 12 x 15 cm	100 Nos.	3.25	2115.26
FR-L2472		30 x 15 x 25 cm	100 Nos.	5.18	3371.40
	5.18.4	Upto 1000m			
FR-L2473		25 x 12 x 15 cm	100 Nos.	5.40	3514.59
FR-L2474		30 x 15 x 25 cm	100 Nos.	8.88	5779.55
FR-L2475	<b>5.20</b>	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.70	455.60
FR-L2476	<b>5.21</b>	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15	748.48
FR-L2477	<b>5.22</b>	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71	1112.95

FR-L2478	<b>5.23</b>	Replacement casualty by reopening the failed pits and planting the seedlings. (excluding the cost of transport and distribution of seedlings)	100 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L2479	<b>5.24</b>	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks. ( <b>Note:</b> Whether done for first time or second time, the same rate).	100 Nos.	1.23	800.55
FR-L2480	<b>5.25</b>	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1874.45
FR-L2481	<b>5.26</b>	Forming catch water drains for each plant of 90x45x30 cm size in hillocks and hard gravelly soil	100 Nos.	6.84	4451.81
FR-L2482	<b>5.27</b>	Removing/scrapping vizal mansion or bothai grass for one meter dia around the plants	100 Nos.	0.21	136.68
FR-L2483	<b>5.36</b>	Kiluvai fencing around the tamarind plants to a dia of 1m and height of 1m.	1 No.	0.80	520.68
FR-L2484	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones if available or semi circular bund as per the site conditions.	This item is disallowed as per the PCCF's Ref. No. F1/11175/1997, dt:06.03.1997.		
		<b>Note:</b> This item of work should not be carried out for the plants for which catch water drains or semi circular bunds are formed.			
FR-L2485	<b>5.43</b>	Heaping the debris and burning	Ha.	2.00	1301.70
FR-L2486		a). Broadcast sowing of seeds of local leguminous species	Ha.	-	65.00

FR-L2487		b). Planting vegetative propagated cutting including cost and collection	each	-	3.80
FR-L2488		c). Protection charges watch and ward	1000 Nos.	-	80.00
	<b>6.</b>	<b>TEAK</b>			
FR-L2489	6.2	Preparation of teak stumps	1000 Nos.	6.00	3905.10
FR-L2490	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00	5206.80
FR-L2491	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.00	6508.50
	<b>7</b>	<b>CASUARINA PLANT</b>			
FR-L2492	<b>7.1.1</b>	Digging wells in plantations sites including provision of herbs (side support to protect falling of earth or silting (4m at top, 1 m bottom 2m depth)	Each	PWD rate	
FR-L2493	7.1.2	Maintenance of well in casuarinas plantation areas.	1 No.	0.40	260.34
FR-L2494	<b>7.7</b>	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33	865.63
	<b>9.</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L2495	9.15.1	Felling, billeting and stacking of fire wood departmentally into billets in 1 m long arranging in stacks of 2 m length 1 m wide and 1m height. Hardwood (Babul another Acacia, Casuarinas etc.)	Tonne	2.41	1568.55
FR-L2496	9.15.2	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	722.44
FR-L2497	10.2.1	Thinning by cutting wattle trees at an escapement of 2.5x2.5m. in wattle plantations	Ha	26.00	16922.10
FR-L2498	10.2.2	Debarking the stems and collecting the wattle bark	Per tonne of the work	18.00	11715.30

FR-L2499		Digging pits of 45cm <sup>3</sup> in the ploughed lands for TCPL (Pccf's (HFF) No. TS1/23018/10 dated 02.03.11)	100 Nos	1.62	1054.38
FR-L2500	<b>11.</b>	Digging water harvesting trenches of size 5x1x0.30 m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	Each	1.445	940.48
	<b>12.</b>	<b>Removal of invasive species (Lantana camara, Eupatorium, Parthenium, etc., )</b>			
	12.1	<b>Fresh removal</b>			
FR-L2501	12.1.1	Heavy growth	Ha.	100.00	65085.00
FR-L2502	12.1.2	Medium growth	Ha.	68.97	44889.12
FR-L2503	12.1.3	Light growth	Ha.	47.62	30993.48
	<b>12.2</b>	<b>2nd year maintenance</b>			
FR-L2504	12.2.1	Heavy growth	Ha.	75.00	48813.75
FR-L2505	12.2.2	Medium growth	Ha.	45.45	29581.13
FR-L2506	12.2.3	Light growth	Ha.	35.00	22779.75
	<b>12.3</b>	<b>3rd year maintenance</b>			
FR-L2507	12.3.1	Heavy growth	Ha.	48.40	31501.14
FR-L2508	12.3.2	Medium growth	Ha.	37.50	24406.88
FR-L2509	12.3.3	Light growth	Ha.	23.95	15587.86

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III - Districts: Villupuram & Cuddalore**

Unique Code	Stand Code No.	Description of operations	Mandays approved by FSL.	Unit	Villupuram & Cuddalore District's (Rs. 650.85 / per day)
	<b>1.</b>	<b>SANDALWOOD OPERATIONS</b>			
	1-4-1	Extraction and transport of Marked Sandalwood trees from extraction site to Forest Depot deparking (without rough cleaning) including billeting in the case of trees of girth 91 cm above, marking the pits with paint, numbering of pegs, trees upto 4mt., h			
FR-L2510	1-4	0-15 cm	0.174	Trees	113.25
FR-L2511		16-30 cm	0.396		257.74
FR-L2512		31-45 cm	0.967		629.37
FR-L2513		46-60 cm	1.920		1249.63
FR-L2514		61-75 cm	3.223		2097.69
FR-L2515		76-90 cm	4.675		3042.72
FR-L2516		91-105 cm	6.476		4214.90
FR-L2517		106-120 cm	8.427		5484.71
FR-L2518		121-135 cm	10.627		6916.58
FR-L2519		136-150 cm	12.977		8446.08
FR-L2520		151-165 cm	15.476		10072.55
FR-L2521		166-180 cm	18.124		11796.01
	<b>1-5-0</b>	<b>Extraction and transport by Head load without (rough cleaning from pitside to Forest Depot after the debarking upto 5 Kms (for trees upto 4 M Height)</b>			
FR-L2522	1-5	0 - 15 cm	0.308	Trees	200.46
FR-L2523	1-5	16 - 30 cm	0.896		583.16
FR-L2524	1-5	31 - 45 cm	1.667		1084.97
FR-L2525	1-5	46 - 60 cm	3.22		2095.74
FR-L2526	1-5	61 - 75 cm	5.123		3334.30

FR-L2527	1-5	76 - 90 cm	7.375	Trees	4800.02
FR-L2528	1-5	91 - 105 cm	9.976		6492.88
FR-L2529	1-5	106-120 cm	12.627		8218.28
FR-L2530	1-5	121-135 cm	15.527		10105.75
FR-L2531	1-5	136-150 cm	18.577		12090.84
FR-L2532	1-5	151-165 cm	21.776		14172.91
FR-L2533	1-5	166-180 cm	25.124		16351.96
	<b>1-6-</b>	<b>Extraction and transport of uncleaned trees from uncleaned trees from pitsite to Forest Depot by head load above 5Km to and upto 10 kms only) Trees upto 4 M height ). Rates as item 1.5 plus this rate towards transport for every additional km may be al</b>			
FR-L2534	1-6.	0 - 15 cm	0.040	Trees	26.03
FR-L2535	1-6.	16 - 30 cm	0.130		84.61
FR-L2536	1-6.	31 - 45 cm	0.220		143.19
FR-L2537	1-6.	46 - 60 cm	0.440		286.37
FR-L2538	1-6.	61 - 75 cm	0.700		455.60
FR-L2539	1-6.	76 - 90 cm	1.000		650.85
FR-L2540	1-6.	91 - 105 cm	1.340		872.14
FR-L2541	1-6.	106-120 cm	1.660		1080.41
FR-L2542	1-6.	121-135 cm	2.000		1301.70
FR-L2543	1-6.	136-150 cm	2.234		1454.00
FR-L2544	1-6.	151-165 cm	2.680		1744.28
FR-L2545	1-6.	166-180 cm	3.020		1965.57
FR-L2546	1-9	Rough clearingthe uncleaned sandalwood trees	18.03	Tonne (Un-cleaned wood)	11734.83
FR-L2547	1-10	Final cleaning rough cleaned wood into billets, roots, chips rough weighing and adding for storage in single lock.	15.67	Tonne (Un-cleaned wood)	10198.82
	1-19	<b>Curbbing of root classess of latteral roots obtained in Kgs.</b>			
FR-L2548	1-19	Above 0-Bellow upto 2 Kgs	0.128	Weight	83.31
FR-L2549	1-19	" 2 " 4 Kgs	0.316		205.67

FR-L2550	1-19	" 4 "	6 Kgs	0.474	Weight	308.50
FR-L2551	1-19	" 6 "	8 Kgs	0.623		405.48
FR-L2552	1-19	" 8 "	10 Kgs	0.768		499.85
FR-L2553	1-19	" 10 "	15 Kgs	1.12		728.95
FR-L2554	1-19	" 15 "	20 Kgs	1.429		930.06
FR-L2555	1-19	" 20 "	25 Kgs	1.716		1116.86
FR-L2556	1-19	" 25 "	30 Kgs	2.029		1320.57
FR-L2557	1-19	" 30 "	40 Kgs	2.592		1687.00
FR-L2558	1-19	" 40 "	50 Kgs	3.076		2002.01
		<b>2. Fire Protection</b>				
FR-L2559	2-1-1	Scraping annually fire line to a width of 7.5 mts in Nilgiris, Upper plains, Anamalai's etc.,		32.47	1 KM	21133.10
FR-L2560	2-2-2	Scraping annually fire line to a width of 7.5 mts with fire tracing in plains		21.52	1 KM	14006.29
FR-L2561	2-2-1	Scraping annually fire line to a width of 6 mts in hill areas		30.00	1 KM	19525.50
FR-L2562	2-4	Annual clearing to 3 Mts. Width and fire tacking around the plantations		17.46	1 KM	11363.84
		<b>3. Demarcation</b>				
FR-L2563	3-2	Demarcation of reserved Forest boundary by annual clearing, cutting of bushes etc., to a width of 6mts		21.00	1 KM	13667.85
FR-L2564	3-3	Survey and Demarcation including cutting 1M width line for coupes and plantations (Chain and compass survey).		0.31	100 Mts	201.76
FR-L2565	3-5-1	Demarcation by planting with boundary stone pillars of 0.5 x 0.15m x 1.8 m size excluding the cost of stones but including transport from road sites to field and head -load transport from unloading point to planting site upto 5 kms.		P.W.D rates	each stone	

FR-L2566	3-5-2	For every additional km beyond 5km limited to 10 km including initial lead.	P.W.D rates	each stone	
FR-L2567	3-6-1	Planting of boundary stone pillars of 0.15 x 15m x 0.90 (excluding cost of stone) Stone pillars to be planted in pits of size 30cmx30cmx5cm for demarcation of plantations, where the lead from unloading point to planting site is	P.W.D rates		
FR-L2568		i. Upto 5 Km	P.W.D rates		
FR-L2569		ii. For every additional Km			
FR-L2570	3-7	Replanting of fallen RF boundary stone including repairing on R.R.dry packing base.	1.00	Each	650.85
		<b>4. Nursery operations</b>			
FR-L2571	4-1	Preparation of nursery site by clearing and levelling the site for forming ten (for 10) standard beds of 10mx1m (standard) size.	2.42	200 M2 for 10 standard bed.	1575.06
FR-L2572	4-4	Formation of trenches of size 10m length 1m width and 0.30 m /0.45 m depth burying burying mud pots, in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	2	One trench	1301.70
FR-L2573	4-5-1	Watering the germination of beds twice daily with rose can.	0.82	10 beds/day	533.70
FR-L2574	4-5-2	Watering the germination of beds once daily with rose can.	0.41	10 beds/day	266.85
	4-6	<b>Preparation of soil mixture by breaking clods sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure in the ratio of 4:1 heaping at the filing site and filling in polythene bags arranging bags in bedgs and pricking out the seedlings (Excluding the cost of farmyard manure and earth and cost of transport).</b>			
		<b>Note:</b> The proportion of fertile earth and farmyard manure will be fixed by the respective Conservator of Forests, for polythene contained size.			
FR-L2575	4-6	8 x 15 cm	3.05	1000 bags	1985.09
FR-L2576	4-6	10 x 15 cm	3.28		2134.79
FR-L2577	4-6	10 x 20 cm	3.53		2297.50
FR-L2578	4-6	13 x 25 cm	4.48		2915.81
FR-L2579	4-6	16 x 30 cm	5.95		3872.56

FR-L2580	4-6	20 x 30 cm	7.44		4842.32
FR-L2581	4-6	30 x 45 cm	28.57		18594.78
FR-L2582	4-6	35 x 50 cm ( HDPE WOVEN BAGES)	37.00		24081.45
FR-L2583	4-6-9	Collection and supply of good quality red earth including transport.		Cu.M	PWD Rate
FR-L2584	4-6-10	Collection and supply of sand including transport.		Cu.M	PWD Rate
FR-L2585	4-6-11	Collection and supply of Farmyard manure including transport.		Cu.M	PWD Rate
	4-7.	<b>Filling in mudpots with good earth and farmyard manure 4:1 ratio, excluding cost of transport and cost of Farmyard manure and pricking out seedlings in the ports.</b>			
FR-L2586		40 x 15 x 30 cm	2.80	100 Nos	1822.38
FR-L2587		30 x 15 x 25 cm	1.75	100 Nos	1138.99
FR-L2588		25 x 12 x 15 cm	0.70	100 Nos	455.60
FR-L2589	4-9	<b>Forming temporary shade pandals 10 m x 1m including collection of grassess.</b>	1	Per pandal	650.85
	<b>4-10</b>	<b>Watering the container plants twice daily with rose can (Water-storage pits to be dug up within 10m-20m from beds).</b>			
FR-L2590	4-10-1	8 x 15 cm	0.16	1000/day	104.14
FR-L2591	4-10-2	10 x 15 cm	0.16		104.14
FR-L2592	4-10-3	10 x 20 cm	0.2		130.17
FR-L2593	4-10-4	13 x 25 cm	0.23		149.70
FR-L2594	4-10-5	16 x 30 cm	0.37		240.81
FR-L2595	4-10-6	20 x 30 cm	0.46		299.39
FR-L2596	4-10-7	30 x 45 cm	0.56		364.48
FR-L2597	4-10-8	35 x 50 cm	0.86		559.73
	<b>4-11</b>	<b>Watering the container plants once a day</b>			
FR-L2598	4-11-1	8 x 15 cm		1000/day	50% ( Fifty percent) of the rates allowed for twice watering
FR-L2599	4-11-2	10 x 15 cm			
FR-L2600	4-11-3	10 x 20 cm			
FR-L2601	4-11-4	13 x 25 cm			

FR-L2602	4-11-5	16 x 30 cm			
FR-L2603	4-11-6	20 x 30 cm			
	<b>Note:</b> i) Watering <b>not to be done</b> on <b>rainy days</b> . ii) Watering regime fixed by the Principal Chief Conservator of Forests & Head of Forest Force Chief Conservator of Forests ( Forest Administration ) / Conservator of Forests for each circle should be allowed.				
	4-12	<b>Watering mud pots using ( Rose can, twice daily) excluding cost of water ( Water storage pits should be dug up within 10 to 20 m from beds in the nursery).</b>			
FR-L2604	4-12-1	25 x 15 x 12cm	0.53	1000 Nos	344.95
FR-L2605	4-12-2	30 x 15 x 12cm	0.53	1000 Nos	344.95
FR-L2606	4-12-3	30 x 15 x 12cm	0.75	1000 Nos	488.14
FR-L2607	4-12-4	40 x 30 x 15cm	1.43	1000 Nos	930.72
FR-L2608	<b>4-13</b>	<b>Flood watering in sunkun beds of 10mx1m</b>	0.03	bed / day	19.53
	<b>4-14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
FR-L2609	4-14-1	25 x 15 x 12cm	2.31	1000 / shift	1503.46
FR-L2610	4-14-2	30 x 15 x 12cm	2.75		1789.84
FR-L2611	4-14-3	30 x 15 x 15cm	4.37		2844.21
FR-L2612	4-14-4	40 x 30 x 15cm	5.53		3599.20
	4-15	Shfting the container plants weedling, grading and replacement of casualties in the bags.		1000 / shift	
FR-L2613	4-15-1	8 x 15 cm	0.25	1000 / shift	162.71
FR-L2614	4-15-2	10 x 15 cm	0.29		188.75
FR-L2615	4-15-3	10 x 20 cm	0.33		214.78
FR-L2616	4-15-4	13 x 25 cm	0.51		331.93
FR-L2617	4-15-5	16 x 30 cm	0.79		514.17
FR-L2618	4-15-6	20 x 30 cm	0.97		631.32
FR-L2619	4-15-7	30 x 45 cm	2.69		1750.79
FR-L2620	4-15-8	35 x 50 cm	3.77		2453.70

	<b>Note:</b> Shifting to be done once in 21 days, first shifting not before 45 days after pricking out.				
	<b>4-17</b>	<b>Land rent for nursery in private lands.</b>		40 sq.m /	
		Details of land requirement.			
FR-L2621		8 x 15 cm = 22500 / 100 M2			
FR-L2622		10 x 15 cm = 22500 / 100 M2			
FR-L2623		10 x 20cm			
FR-L2624		13 x 25 cm			
FR-L2625		13 x 25 cm = 5000 / 100 M2			
	<b>4-18</b>	<b>Cost of water for watering the container</b>		1000 / bags	
		seedlings from private well.		watering	
FR-L2626	4-18-4	13 x 25 cm			
FR-L2627	4-18-5	16 x 30 cm			
		<b><u>5. Planting site preparation</u></b>			
	5-1	Ploughing the land	Ha	TAFORN RATE may be adopted.	
FR-L2628	5-1-1	Once			
FR-L2629	5-1-2	Twice			
	<b>5-2</b>	<b>Aligning and marking or slacking excluding cost of stacks</b>			
FR-L2630	5-2-1	Plains and tank beds ( square and rectangular planting)	1.38	1000 Nos	898.17
FR-L2631	5-2-4	Aligning for steep plantations including avenue.	1.38	1000 Nos	898.17
	<b>5-3</b>	<b>Digging 30 cm 3 pits in hillocks and hard gravelly soil.</b>			
FR-L2632	5-3-1	Non-rainy seasons	2.60	100 Nos	1692.21
FR-L2633	5-3-2	Rainy season	2.16	100 Nos	1405.84
	<b>5-4</b>	<b>Digging 30cm<sup>3</sup> pits in tank bed areas and plains ( other than hard gravelly soil).</b>			
FR-L2634	5-4-1	Non - rainy season	2.09	100 Nos	1360.28
FR-L2635	5-4-2	Rainy season	1.75	100 Nos	1138.99

	<b>5-5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and ( hard gravelly soil).</b>			
FR-L2636	5-5-1	Non - rainy season	4.70	100 Nos	3059.00
FR-L2637	5-5-2	Rainy season	3.92	100 Nos	2551.33
	<b>5-6</b>	<b>Digging 45cm<sup>3</sup> pits in tank bed areas and plains ( other than hard gravelly soil).</b>			
FR-L2638	5-6-1	Non - rainy season	3.87	100 Nos	2518.79
FR-L2639	5-6-2	Rainy season	3.23	100 Nos	2102.25
	<b>5-7</b>	<b>Digging 30 cm<sup>3</sup> pits in sandy loan soils.</b>			
FR-L2640		Rainy seasons (or) Non-rainy season	1.51	100 Nos	982.78
	<b>5-8</b>	<b>Digging 60cm<sup>3</sup> in all types of soil for avenue plantation</b>			
FR-L2641	5-8-1	Non-rainy season	9.26	100 Nos	6026.87
FR-L2642	5-8-2	Rainy season	7.72	100 Nos	5024.56
	<b>5-9</b>	<b>Digging 30cm 3 pits in ploughed area</b>			
FR-L2643		Non-rainy season	0.52	100 Nos	338.44
FR-L2644		Rainy season	0.44	100 Nos	286.37
	<b>5-11</b>	<b>Loading and unloading polybags container plants in private / departmental vehicles upto a lead of 2 km ( excluding hire charges for the vehicle).</b>			
FR-L2645	5-11-1	8 x 15 cm	0.66	1000 Nos	429.56
FR-L2646	5-11-2	10 x 15 cm	0.90	1000 Nos	585.77
FR-L2647	5-11-3	10 x 20 cm	1.08	1000 Nos	702.92
FR-L2648	5-11-4	13 x 25 cm	1.53	1000 Nos	995.80
FR-L2649	5-11-5	16 x 30 cm	1.79	1000 Nos	1165.02
FR-L2650	5-11-6	20 x 30 cm	2.22	1000 Nos	1444.89
FR-L2651	5-11-7	30 x 45 cm	3.29	1000 Nos	2141.30
FR-L2652	5-11-8	35 x 50 cm	3.53	1000 Nos	2297.50
	<b>5-12</b>	<b>Pots with seedlings</b>			
FR-L2653	5-12-1	25 x 15 x 12cm	3.17	1000 Nos	2063.19

FR-L2654	5-12-2	30 x 15 x 12cm	3.63	1000 Nos	2362.59
FR-L2655	5-12-3	30 x 15 x 15cm	5.79	1000 Nos	3768.42
FR-L2656	5-12-4	40 x 30 x 15cm	7.6	1000 Nos	4946.46
	<b>5-13</b>	<b>Transporting of polythene container seedlings by headloads (in the places approach roads are not available to take vehicles to planting site).</b>			
	5-13-1	Distance upto 200 mts			
		i) Hills / Hillock			
FR-L2657		30 x 45 cm	15.00	1000 Nos	9762.75
FR-L2658		35 x 50 cm	21.00	1000 Nos	13667.85
		ii) Plains			
FR-L2659		30 x 45 cm	11.00	1000 Nos	7159.35
FR-L2660		35 x 50 cm	12.50	1000 Nos	8135.63
	5-13-2	Distance upto 0.50 Km			
		i) Hills / Hillock			
FR-L2661		8 x 15 cm	2.17	1000 Nos	1412.34
FR-L2662		10 x 15 cm	2.74		1783.33
FR-L2663		10 x 20 cm	3.65		2375.60
FR-L2664		13 x 25 cm	5.98		3892.08
FR-L2665		16 x 30 cm	8.70		5662.40
FR-L2666		20 x 30 cm	10.87		7074.74
FR-L2667		30 x 45 cm	34.00		22128.90
FR-L2668		35 x 50 cm	54.00		35145.90
		ii) Plains			
FR-L2669		8 x 15 cm		1000 Nos	60% of the above except for last two
FR-L2670		10 x 15 cm			
FR-L2671		10 x 20 cm			
FR-L2672		13 x 25 cm			
FR-L2673		16 x 30 cm			
FR-L2674		20 x 30 cm			
FR-L2675		30 x 45 cm	30.00		19525.50
FR-L2676		35 x 50 cm	40.00		26034.00

	5-13-3	Distance upto 1.00 Km			
		i) Hills / Hillock			
FR-L2677		8 x 15 cm	2.57	1000 Nos	1672.68
FR-L2678		10 x 15 cm	3.22		2095.74
FR-L2679		10 x 20 cm	4.30		2798.66
FR-L2680		13 x 25 cm	6.97		4536.42
FR-L2681		16 x 30 cm	10.00		6508.50
FR-L2682		20 x 30 cm	12.61		8207.22
FR-L2683		30 x 45 cm	70.00		45559.50
FR-L2684		35 x 50 cm	99.00		64434.15
		ii) Plains			
FR-L2685		8 x 15 cm		1000 Nos	60% of the above except for last two
FR-L2686		10 x 15 cm			
FR-L2687		10 x 20 cm			
FR-L2688		13 x 25 cm			
FR-L2689		16 x 30 cm			
FR-L2690		20 x 30 cm			
FR-L2691		30 x 45 cm	61.00		39701.85
FR-L2692		35 x 50 cm	85.00		55322.25
	<b>5-14</b>	<b>Potted seedlings</b>			
	5-14-1	Distance upto <b>0.50 km</b>			
		i) <b>Hills / Hillock</b>			
FR-L2693		25 x 15 x 12cm	1.25	100 Nos	813.56
FR-L2694		30 x 15 x 12cm	1.5		976.28
FR-L2695		30 x 15 x 15cm	3.14		2043.67
FR-L2696		40 x 30 x 15cm	5.02		3267.27
		ii) <b>Plains</b>			
FR-L2697		25 x 15 x 12cm	0.61	100 Nos	397.02
FR-L2698		30 x 15 x 12cm	0.73		475.12

FR-L2699		30 x 15 x 15cm	1.53		995.80
FR-L2700		40 x 30 x 15cm	2.45		1594.58
	5-14-2	Distance upto <b>1.00 km</b>			
		i) Hills / Hillock			
FR-L2701		25 x 15 x 12cm	4.09	100 Nos	2661.98
FR-L2702		30 x 15 x 12cm	4.89		3182.66
FR-L2703		30 x 15 x 15cm	10.24		6664.70
FR-L2704		40 x 30 x 15cm	17.83		11604.66
		ii) <b>Plains</b>			
FR-L2705		25 x 15 x 12cm	1.43	100 Nos	930.72
FR-L2706		30 x 15 x 12cm	1.7		1106.45
FR-L2707		30 x 15 x 15cm	3.6		2343.06
FR-L2708		40 x 30 x 15cm	5.65		3677.30
	5-15	Distribution of polythene container seedlings from foot of the hills or from where seedlings are staked to the planting spot in plains where the lead is			
	5-15-1	<b>Upto 100 M</b>			
FR-L2709		8 x 15 cm	0.38	1000 Nos	247.32
FR-L2710		10 x 15 cm	0.38	1000 Nos	247.32
FR-L2711		10 x 20 cm	0.88	1000 Nos	572.75
FR-L2712		13 x 25 cm	1.69	1000 Nos	1099.94
FR-L2713		16 x 30 cm	3.13	1000 Nos	2037.16
FR-L2714		20 x 30 cm	3.89	1000 Nos	2531.81
FR-L2715		30 x 45 cm	10.00	1000 Nos	6508.50
FR-L2716		35 x 50 cm	17.00	1000 Nos	11064.45
	5-15-2	<b>Upto 200 M</b>			
FR-L2717		8 x 15 cm	0.75	1000 Nos	488.14
FR-L2718		10 x 15 cm	0.75	1000 Nos	488.14
FR-L2719		10 x 20 cm	1.50	1000 Nos	976.28
FR-L2720		13 x 25 cm	2.25	1000 Nos	1464.41
FR-L2721		16 x 30 cm	4.66	1000 Nos	3032.96

FR-L2722		20 x 30 cm	5.83	1000 Nos	3794.46
FR-L2723		30 x 45 cm	17.50	1000 Nos	11389.88
FR-L2724		35 x 50 cm	26.50	1000 Nos	17247.53
	5-15-3	<b>Upto 500 M</b>			
FR-L2725		8 x 15 cm	1.44	1000 Nos	937.22
FR-L2726		10 x 15 cm	1.44	1000 Nos	937.22
FR-L2727		10 x 20 cm	2.75	1000 Nos	1789.84
FR-L2728		13 x 25 cm	4.54	1000 Nos	2954.86
FR-L2729		16 x 30 cm	8.22	1000 Nos	5349.99
FR-L2730		20 x 30 cm	10.13	1000 Nos	6593.11
FR-L2731		30 x 45 cm	41.00	1000 Nos	26684.85
FR-L2732		35 x 50 cm	51.00	1000 Nos	33193.35
	5-15-4	<b>Upto 1000 M</b>			
FR-L2733		8 x 15 cm	1.81	1000 Nos	1178.04
FR-L2734		10 x 15 cm	1.81	1000 Nos	1178.04
FR-L2735		10 x 20 cm	3.79	1000 Nos	2466.72
FR-L2736		13 x 25 cm	6.68	1000 Nos	4347.68
FR-L2737		16 x 30 cm	10.73	1000 Nos	6983.62
FR-L2738		20 x 30 cm	13.26	1000 Nos	8630.27
FR-L2739		30 x 45 cm	67.00	1000 Nos	43606.95
FR-L2740		35 x 50 cm	81.00	1000 Nos	52718.85
	<b>5-16</b>	<b>In Hills and Hillocks where the lead is</b>			
	5-16-1	<b>Upto 100 M</b>			
FR-L2741		8 x 15 cm	0.75	1000 Nos	488.14
FR-L2742		10 x 15 cm	0.75	1000 Nos	488.14
FR-L2743		10 x 20 cm	1.34	1000 Nos	872.14
FR-L2744		13 x 25 cm	2.88	1000 Nos	1874.45
FR-L2745		16 x 30 cm	6.00	1000 Nos	3905.10
FR-L2746		20 x 30 cm	7.48	1000 Nos	4868.36

FR-L2747		30 x 45 cm	18.00	1000 Nos	11715.30
FR-L2748		35 x 50 cm	24.50	1000 Nos	15945.83
	5-16-2	<b>Upto 200 M</b>			
FR-L2749		8 x 15 cm	1.13	1000 Nos	735.46
FR-L2750		10 x 15 cm	1.13	1000 Nos	735.46
FR-L2751		10 x 20 cm	1.74	1000 Nos	1132.48
FR-L2752		13 x 25 cm	4.64	1000 Nos	3019.94
FR-L2753		16 x 30 cm	8.51	1000 Nos	5538.73
FR-L2754		20 x 30 cm	10.43	1000 Nos	6788.37
FR-L2755		30 x 45 cm	30.00	1000 Nos	19525.50
FR-L2756		35 x 50 cm	37.00	1000 Nos	24081.45
	5-16-3	<b>Upto 500 M</b>			
FR-L2757		8 x 15 cm	1.75	1000 Nos	1138.99
FR-L2758		10 x 15 cm	1.75	1000 Nos	1138.99
FR-L2759		10 x 20 cm	3.71	1000 Nos	2414.65
FR-L2760		13 x 25 cm	6.96	1000 Nos	4529.92
FR-L2761		16 x 30 cm	13.31	1000 Nos	8662.81
FR-L2762		20 x 30 cm	16.74	1000 Nos	10895.23
FR-L2763		30 x 45 cm	52.50	1000 Nos	34169.63
FR-L2764		35 x 50 cm	67.00	1000 Nos	43606.95
	5-16-4	<b>Upto 1000 M</b>			
FR-L2765		8 x 15 cm	2.50	1000 Nos	1627.13
FR-L2766		10 x 15 cm	2.50	1000 Nos	1627.13
FR-L2767		10 x 20 cm	4.68	1000 Nos	3045.98
FR-L2768		13 x 25 cm	9.66	1000 Nos	6287.21
FR-L2769		16 x 30 cm	17.38	1000 Nos	11311.77
FR-L2770		20 x 30 cm	21.74	1000 Nos	14149.48
FR-L2771		30 x 45 cm	76.00	1000 Nos	49464.60
FR-L2772		35 x 50 cm	97.00	1000 Nos	63132.45

	<b>5-17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plains where the lead is.</b>			
	5-17-1	Upto 100 M			
FR-L2773		30 x 25 x 15 cm	0.62	100 Nos	403.53
	5-17-2	Upto 200 M			
FR-L2774		30 x 25 x 15 cm	1.19	100 Nos	774.51
	5-17-3	Upto 500 M			
FR-L2775		30 x 25 x 15 cm	1.71	100 Nos	1112.95
	5-17-4	Upto 1000 M			
FR-L2776		30 x 25 x 15 cm	3.28	100 Nos	2134.79
	<b>5-18</b>	<b>In hills and hillocks where the lead is:-</b>			
	5-18-1	Upto 100 M			
FR-L2777		25 x 15 x 12 cm	0.88	100 Nos	572.75
FR-L2778		30 x 25 x 15 cm	1.50	100 Nos	976.28
	5-18-2	Upto 200 M			
FR-L2779		25 x 15 x 12 cm	1.73	100 Nos	1125.97
FR-L2780		30 x 25 x 15 cm	2.81	100 Nos	1828.89
	5-18-3	Upto 500 M			
FR-L2781		25 x 15 x 12 cm	3.25	100 Nos	2115.26
FR-L2782		30 x 25 x 15 cm	5.18	100 Nos	3371.40
	5-18-4	Upto 1000 M			
FR-L2783		25 x 15 x 12 cm	5.40	100 Nos	3514.59
FR-L2784		30 x 25 x 15 cm	8.88	100 Nos	5779.55
FR-L2785	5-20	Planting the container plants by refilling pits of 30 cm <sup>3</sup> size in plains and hillocks	0.70	100 Nos	455.60
FR-L2786	5-21	Planting the container plants by refilling pits of 45cm <sup>3</sup> size in plains and hillocks	1.15	100 Nos	748.48
FR-L2787	5-22	Planting the potted seedlings in 60 cm <sup>3</sup> pits ( excluding transport in vehicles) in avenue.	1.71	100 Nos	1112.95

	<b>5-23</b>	<b>Replacement of casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings).</b>			
FR-L2788		In 30 cm <sup>3</sup> pits hills plains		100 Nos	50% of the charges for digging of the appropriate size during rainy days and the full cost of planting in the appropriate size pits
				100 Nos	
FR-L2789		In 45 cm <sup>3</sup> pits hills plains		100 Nos	
FR-L2790		In 60 cm <sup>3</sup> pits		100 Nos	
FR-L2791	5-24	Scrap weeding for 1m dia and soil working 15cm depth around each plant and re-moving the grass roots away from the site or up truning the soil. Borth in plains and hills.	1.23	100 Nos	800.55
<b>Note:</b> Whether done for <b>first time</b> or <b>second time</b> , the <b>same rate</b>					
FR-L2792	5-25	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward stops.	2.88	100 Nos	1874.45
FR-L2793	5-26	Forming catch water drains for earh plants of 90 x 45 x 30cm size in hillicks and hard gravelly soil.	6.84	100 Nos	4451.81
FR-L2794	5-27	Removing / Scrapping vizal man-son or bothai grass for one metre dia around the plants.	0.21	100 Nos	136.68
FR-L2795	5-36	Kiluvai fencing around the tamarind plants to a dia of 1 m and height of 1 m.	0.80	1 No	520.68
	5-39	Maintenance of tree guard constructed as per specification in item 5.38 as per standardised FSR items during subsequent years.		Per Tree Guard	
FR-L2796	5-43	Heaping the debris and burning	2.00	Ha.,	1301.70
<b>6. Teak</b>					
FR-L2797	6-2	Preparation of teak stumps	6.00	1000 Nos	3905.10
FR-L2798	6-4	Digging crowbar holes and planting stumps ( teak)	8.00	1000 Nos	5206.80
FR-L2799	6-4-2	Saucering like pits for planting teak stumps	10.00	1000	6508.50
<b>Timber Operation (in Matured Teak Plantation / wind fallen teak trees) (Average : 0.367 m<sup>3</sup>/tree) (As per PCCF's .No. E2/227/2012/ Dated:06.02.2012)</b>					

FR-L2800	6.5	Filed Operation – Clearing the natural growth in the canal bank areas for light growth (25% of the total actual survival) around 1 M radius in each tree.	0.0625	M <sup>3</sup>	40.68
FR-L2801		Enumeration and blazing of trees at two places one at breast height and other at bottom.	0.0285	M <sup>3</sup>	18.55
FR-L2802		Girdling of trees by way of removing the bark in 30 CM.	0.0625	M <sup>3</sup>	40.68
		Felling the teak trees with saw of all girth upto 50 cm			
FR-L2803		90 cm – 120 cm	0.33	M <sup>3</sup>	214.78
FR-L2804		121 cm – 150 cm	0.50	M <sup>3</sup>	325.43
FR-L2805		151 cm and above	1.00	M <sup>3</sup>	650.85
		<b>Average rate</b>		<b>M<sup>3</sup></b>	
FR-L2806		Pruning the branches in the felled trees and stacking	0.10	M <sup>3</sup>	65.09
FR-L2807		Conversion of felled trees and numbering at both ends including removal of a strip of bark in the middle for taking middle girth.	4.00	M <sup>3</sup>	2603.40
FR-L2808		Dragging timber logs from felling site to road site up to a distance of 2 Km.	4.00	M <sup>3</sup>	2603.40
FR-L2809		Loading and unloading of timber at both ends	3.00	M <sup>3</sup>	1952.55
FR-L2810		Transporting of timber logs from road sides to field depot (Lumpsum rate based on lowest quotation on K.m. basis)	Lump sum		
FR-L2811		Cost of paint 10 ml/per tree or log (Field Operation)	Lump sum		
FR-L2812		Depot operation – Numbering the individual logs by paints	0.019	M <sup>3</sup>	12.37
FR-L2813		Cost of paint 10 m.l. per log	Lumpsum		
FR-L2814		Dragging the timber logs inside the depot and sorting and lotting of timber	2.00	M <sup>3</sup>	1301.70
FR-L2815		Day and Night watch and ward for protecting wind fallen trees and converted logs along the river to prevent form theft one person/ Time/Plantation 3 kms/ Stretch / 100 Nos for Converted logs in canal plantations.	0.02	Mazdoor	13.02

		<b>7. Casuarina plant</b>			
FR-L2816	7-1-2	Maintenance of well in casuarina plantation area	0.40	1 No	260.34
FR-L2817	7-7	Pot watering the casuarina plants from wells within the plantation site.	1.33	1000 Nos	865.63
		<b>9. Timber operation and allied activities</b>			
FR-L2818	9-15-1	Hard wood (Babul and other Acacia casuarina etc.,)	2.41	Tonnes	1568.55
FR-L2819	9-15-2	Medium wood (Eucalyptus, wattle etc.,)	1.11	Tonnes	722.44
FR-L2820	10-2-1	Thinning by cutting wattle trees at an espacement of 2.5 x 2.5m in wattle plantations.	26.00	Ha.,	16922.10
FR-L2821	10-2-2	Debarking the stems and collecting the wattle bark	18.00	per tonnes of the bark	11715.30

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III - District: Erode**

Unique Code	Standard Code No.	Description of operations	Unit	Mandays required	Erode District (Rs. 650.85 / per day)
	<b>I</b>	<b>SANDAL WOOD OPERATIONS</b>			
	1.4	Extraction and transport of marked Sandalwood trees from extraction site to Forest Depot debarking (without rough cleaning) including billeting in the case of trees of girth 91 CMS and above, marking the pits with paint numbering of pegs, trees up to 4 Mt. height up to a distance of 2 kms.			
FR-L2822	1.4.1	0 - 15 cm	tree	0.174	113.25
FR-L2823	1.4.2	16 - 30 cm	tree	0.396	257.74
FR-L2824	1.4.3	31 - 45 cm	tree	0.967	629.37
FR-L2825	1.4.4	46 - 60 cm	tree	1.920	1,249.63
FR-L2826	1.4.5	61 - 75 cm	tree	3.223	2,097.69
FR-L2827	1.4.6	76 - 90 cm	tree	4.675	3,042.72
FR-L2828	1.4.7	91 - 105 cm	tree	6.476	4,214.90
FR-L2829	1.4.8	106 - 120 cm	tree	8.427	5,484.71
FR-L2830	1.4.9	121 - 135 cm	tree	10.627	6,916.58
FR-L2831	1.4.10	136 - 150 cm	tree	12.977	8,446.08
FR-L2832	1.4.11	151 - 165 cm	tree	15.476	10,072.55
FR-L2833	1.4.12	166 - 180 cm	tree	18.124	11,796.01
	1.5	Extraction and transport by head load without rough cleaning from pit site to Forest Depot after debarking up to 5 K.M (For trees up to 4 Mt. height			
FR-L2834	1.5.1	0 - 15 cm	tree	0.308	200.46
FR-L2835	1.5.2	16 - 30 cm	tree	0.896	583.16
FR-L2836	1.5.3	31 - 45 cm	tree	1.667	1,084.97
FR-L2837	1.5.4	46 - 60 cm	tree	3.220	2,095.74
FR-L2838	1.5.5	61 - 75 cm	tree	5.123	3,334.30
FR-L2839	1.5.6	76 - 90 cm	tree	7.375	4,800.02
FR-L2840	1.5.7	91 - 105 cm	tree	9.976	6,492.88
FR-L2841	1.5.8	106 - 120 cm	tree	12.627	8,218.28
FR-L2842	1.5.9	121 - 135 cm	tree	15.527	10,105.75

FR-L2843	1.5.10	136 - 150 cm	tree	18.577	12,090.84
FR-L2844	1.5.11	151 - 165 cm	tree	21.776	14,172.91
FR-L2845	1.5.12	166 - 180 cm	tree	25.124	16,351.96
	1.6.0	Extraction and transport of uncleaned trees from pit site to forest depot by head load above 5 km. and up to 10 kms. Only (Trees up to 4 M height) Rates as in item 1.5 plus this rate towards transport for every additional km. may be allowed.			
FR-L2846	1.6.1	0 - 15 cm	tree	0.040	26.03
FR-L2847	1.6.2	16 - 30 cm	tree	0.130	84.61
FR-L2848	1.6.3	31 - 45 cm	tree	0.220	143.19
FR-L2849	1.6.4	46 - 60 cm	tree	0.440	286.37
FR-L2850	1.6.5	61 - 75 cm	tree	0.700	455.60
FR-L2851	1.6.6	76 - 90 cm	tree	1.000	650.85
FR-L2852	1.6.7	91 - 105 cm	tree	1.340	872.14
FR-L2853	1.6.8	106 - 120 cm	tree	1.660	1,080.41
FR-L2854	1.6.9	121 - 135 cm	tree	2.000	1,301.70
FR-L2855	1.6.10	136 - 150 cm	tree	2.234	1,454.00
FR-L2856	1.6.11	151 - 165 cm	tree	2.680	1,744.28
FR-L2857	1.6.12	166 - 180 cm	tree	3.020	1,965.57
FR-L2858	1.9	Rough cleaning the uncleaned Sandalwood trees	Tonne (Uncleaned wood)	18.030	11,734.83
FR-L2859	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips, rough weighing and adding for storage in single lock	Tonne (Uncleaned wood)	15.670	10,198.82
	1.19	Grubbing of roots classes of lateral roots obtaining in kgs. (Above - Below & up to)	Weight per Kg.		
FR-L2860	1.19.1	0 - 2 kg	„	0.128	83.31
FR-L2861	1.19.2	2 - 4 kg	„	0.316	205.67
FR-L2862	1.19.3	4 - 6 kg	„	0.474	308.50
FR-L2863	1.19.4	6 - 8 kg	„	0.623	405.48
FR-L2864	1.19.5	8 - 10 kg	„	0.768	499.85
FR-L2865	1.19.6	10 - 15 kg	„	1.120	728.95

FR-L2866	1.19.7	15 - 20 kg	"	1.429	930.06
FR-L2867	1.19.8	20 - 25 kg	"	1.716	1,116.86
FR-L2868	1.19.9	25 - 30 kg	"	2.029	1,320.57
FR-L2869	1.19.10	30 - 40 kg	"	2.592	1,687.00
FR-L2870	1.19.11	40 - 50 kg	"	3.076	2,002.01
	<b>2</b>	<b>FIRE PROTECTION</b>			
FR-L2871	2.1.1	Scrapping annually fire line to a width of 7.5 meters Nilgiris upper Palani's Annamalai's etc.,	km	32.470	21,133.10
FR-L2872	2.2.2	Scrapping annually fire line to a width of 7.5 meters with fire tracing in plains	km	21.520	14,006.29
FR-L2873	2.2.3	Scrapping annually fire line to a width of 6 meters in Hill areas	km	30.000	19,525.50
FR-L2874	2.4	Annual clearing to 3 meters width and Fire tracing around the plantations	km	17.460	11,363.84
	<b>3</b>	<b>DEMARCATATION</b>			
FR-L2875	3.2	Demarcation of Reserved Forest boundary of bushes etc. to a width of 6 meters	km	21.000	13,667.85
FR-L2876	3.3	Survey and demarcation cutting 1 M wide lines for coupes and plantations (Chain and Compass Survey)	100 m	0.310	201.76
FR-L2877	3.5.1	Demarcation by planting with boundary stone pillars of 0.15x0.15x1.80M size excluding the cost of stones but including transport from road side to fields and headload transport from unloading point to planting site up to 5 Kms	each stone	PWD rate	
FR-L2878	3.5.2	For every additional KM beyond 5 KM limited to 50 KMs including initial lead.	each stone	PWD rate	
	3.6.1	Planting of boundary stone pillars of 0.15x0.15x0.90 M (Excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30 cm x 45cm for demarcation of Plantations where the lead from unloading point to planting site is			
FR-L2879		(i) Up to 5 Kms	each	PWD rate	
FR-L2880		(ii) For every additional Km	each	PWD rate	

FR-L2881	3.7	Replanting of Fallen RF boundary stone including repairing on R.R dry packing base	each	1.00	650.85
	<b>4</b>	<b>NURSERY OPERATION</b>			
FR-L2882	4.1	Preparation of Nursery site by clearing and levelling the site for forming 10 standard beds 10x1 M size	200 sq.m (for 10 std. beds)	2.420	1,575.06
	4.2	Forming of Germination bed of size 10 m x 1 m x 0.30 m	one bed		
FR-L2883	4.4	Formation of trenches of size 10m length 1m width and 0.30m / 0.45m depth, burying mud pots in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.000	1,301.70
FR-L2884	4.5.1	Watering the germination beds twice daily with rose can	10 beds per day	0.820	533.70
FR-L2885	4.5.2	Watering the germination beds once daily with rose can	10 beds per day	0.410	266.85
	4.6	Preparation of Soil mixture by breaking clods sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farm yard manure, in the ratio of 3: 1 heaping at the filling site and filling in polythene bags arranging bags in the beds and pricking out the seedlings (excluding cost of earth and farmyard manure)  Note: The proportion of fertile earth and Farm Yard Manure will be fixed by the respective Conservator of Forests for Polythene container size.			
		For Polythene container size			
FR-L2886	4.6.1	8 x 15 cm	1,000 bags	3.050	1,985.09
FR-L2887	4.6.2	10 x 15 cm	1,000 bags	3.280	2,134.79
FR-L2888	4.6.3	10 x 20 cm	1,000 bags	3.530	2,297.50
FR-L2889	4.6.4	13 x 25 cm	1,000 bags	4.480	2,915.81
FR-L2890	4.6.5	16 x 30 cm	1,000 bags	5.950	3,872.56
FR-L2891	4.6.6	20 x 30 cm	1,000 bags	7.440	4,842.32
FR-L2892	4.6.7	30 x 45 cm	1,000 bags	28.570	18,594.78
FR-L2893	4.6.8	35 x 50 cm (HDPE woven bags)	1,000 bags	37.000	24,081.45

FR-L2894	4.6.9	Collection and supply of good quality red soil, including transporting 5 km.  <i>(Note : Minimum lead should be adopted. Applicable only when the red earth is purchased from the licensed, private sources and should not be used when red earth is being collected from any government lands.)</i>	m <sup>3</sup>		1,200.00
FR-L2895	4.6.10	Collection and supply of good quality river sand and silt  <i>Note : Minimum lead should be adopted; It is applicable only when the river sand or silt is purchased from the Public Works Department Depots or any other Government Depots</i>	m <sup>3</sup>		936.00
FR-L2896	4.6.11	Collection and supply of farmyard manure  <i>Note : A minimum lead should be adopted; it is applicable only when the farm yard manure is purchased from private sources and should not be used when collected from any government lands.</i>	m <sup>3</sup>		800.00
	4.7	Filling in mud pots with good earth and Farmyard manure, excluding the cost of transport and cost of Farmyard manure and pricking out seedlings in the pots			
FR-L2897	4.7.1	40x15x30 cm	100 No	2.800	1,822.38
FR-L2898	4.7.2	30x15x25 cm	100 No	1.750	1,138.99
FR-L2899	4.7.3	25x12x15 cm	100 No	0.700	455.60
FR-L2900	4.9	Forming of temporary shade pandals 10 M x 1 M including collection of grasses	1.0 No.	1.000	650.85
	<b>4.10</b>	<b>Watering the container plants twice daily with rose cane (Water storage pits to be dug up within 10 m - 20 m from beds)</b>			
FR-L2901	4.10.1	8 x 15 cm	1,000 per day	0.160	104.14
FR-L2902	4.10.2	10 x 15 cm	"	0.160	104.14
FR-L2903	4.10.3	10 x 20 cm	"	0.200	130.17
FR-L2904	4.10.4	13 x 25 cm	"	0.230	149.70
FR-L2905	4.10.5	16 x 30 cm	"	0.370	240.81

FR-L2906	4.10.6	20 x 30 cm	"	0.460	299.39
FR-L2907	4.10.7	30 x 45 cm	"	0.560	364.48
FR-L2908	4.10.8	35 x 50 cm	"	0.860	559.73
	<b>4.11</b>	<b>Watering the container plants once daily</b>			
FR-L2909	4.11.1	8 x 15 cm	"		50% (Fifty percent) of the rates allowed for twice watering.
FR-L2910	4.11.2	10 x 15 cm	"	0.080	
FR-L2911	4.11.3	10 x 20 cm	"	0.100	
FR-L2912	4.11.4	13 x 25 cm	"	0.115	
FR-L2913	4.11.5	16 x 30 cm	"	0.185	
FR-L2914	4.11.6	20 x 30 cm	"	0.230	
FR-L2915	4.11.7	30 x 45 cm	"	0.280	182.24
FR-L2916	4.11.8	35 x 50 cm	"	0.430	279.87
		Note: i) Watering not to be done on rainy days ii) Watering regime fixed by the PCCF/CCF/CF for each Circle should be followed.			
	4.12	Watering mud pots using rose can twice daily excluding cost of water(Water storage pits should be dug up within 10-20m from beds in the nursery.)			
FR-L2917	4.12.1	25 x 15 x 12 cm	1,000 per day	0.530	344.95
FR-L2918	4.12.2	30 x 15 x 12 cm	"	0.530	344.95
FR-L2919	4.12.3	30 x 25 x 15 cm	"	0.750	488.14
FR-L2920	4.12.4	40 x 30 x 15 cm	"	1.430	930.72
FR-L2921	4.13	Flood watering in sunken beds of 10m x 1m size	Bed / day	0.030	19.53
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
FR-L2922	4.14.1	25 x 15 x 12 cm	1,000 per day	2.310	1,503.46
FR-L2923	4.14.2	30 x 15 x 12 cm	"	2.750	1,789.84
FR-L2924	4.14.3	30 x 25 x 15 cm	"	4.370	2,844.21
FR-L2925	4.14.4	40 x 30 x 15 cm	"	5.530	3,599.20
	4.15	Shifting the container plants, weeding, grading and replacement of casualties in the bags			
FR-L2926	4.15.1	8 x 15 cm	1,000 per shift	0.250	162.71

FR-L2927	4.15.2	10 x 15 cm	"	0.290	188.75
FR-L2928	4.15.3	10 x 20 cm	"	0.330	214.78
FR-L2929	4.15.4	13 x 25 cm	"	0.510	331.93
FR-L2930	4.15.5	16 x 30 cm	"	0.790	514.17
FR-L2931	4.15.6	20 x 30 cm	"	0.970	631.32
FR-L2932	4.15.7	30 x 45 cm	"	2.690	1,750.79
FR-L2933	4.15.8	35x50 cm	"	3.770	2,453.70
		<i>Note: Shifting to be done once in 21 days, first shifting not before 45 days after pricking out.</i>			
	4.17	Land rent for the nursery in private lands	40m <sup>2</sup> (or) one cent / month		100.00
		Details of land requirement			
FR-L2934		8 x 15 cm = 9000 bags/cent			
FR-L2935		10 x 20 cm = 6000 bags/cent			
FR-L2936		13 x 25 cm = 3000 bags/cent			
FR-L2937		16 x 30 cm = 2000 bags/cent			
	4.18.4	Cost of water for watering the container seedlings from private well			
FR-L2938		13 x 25 cm	1,000 bags/ watering / day		8.50
FR-L2939		16 x 30 cm	1,000 bags/ watering / day		16.00
FR-L2940		30 x 45 cm	1,000 bags/ watering / day		32.00
FR-L2941	4.21	Digging of water storage pit of size 3m x 3m at top, 2.10m x 2.10 m at bottom and 1.00 m depth	No.	PWD rate	
	<b>5</b>	<b>PLANTING OPERATION</b>			
FR-L2942	5.1	Ploughing the land with tractor disc plough			

FR-L2943	5.1.1	Ploughing the land with tractor disc plough once	ha	TAF CORN Trichy rate Sl. No. 31 (a)	
FR-L2944	5.1.2	Ploughing with cultivator with a depth of 15cm	ha	TAF CORN Trichy rate Sl. No. 31 (b)	
FR-L2945	5.2	Aligning and marking or stacking excluding the cost of stacks			
FR-L2946	5.2.1	Plains and tank beds (Square and rectangular plantings)	1,000 No	1.380	898.17
FR-L2947	5.2.4	Alignment for strip plantation including avenue	1,000 No	1.380	898.17
	<b>5.3</b>	<b>Digging 30cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L2948	5.3.1	Non – rainy season	100 No	2.600	1,692.21
FR-L2949	5.3.2	Rainy season	100 No	2.160	1,405.84
	<b>5.4</b>	<b>Digging 30cm<sup>3</sup> pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L2950	5.4.1	Non – rainy season (Before 30 <sup>th</sup> June)	100 No	2.090	1,360.28
FR-L2951	5.4.2	Rainy season	100 No	1.750	1,138.99
	<b>5.5</b>	<b>Digging 45cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L2952	5.5.1	Non – rainy season (Before 30 <sup>th</sup> June)	100 No	4.700	3,059.00
FR-L2953	5.5.2	Rainy season	100 No	3.920	2,551.33
	<b>5.6</b>	<b>Digging 45cm<sup>3</sup> pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L2954	5.6.2	Rainy season	100 No	3.230	2,102.25
FR-L2955	5.6.3	Digging 45cm <sup>3</sup> pits in ploughed area in plains	100 No	1.620	1,054.38
FR-L2956	5.7	Digging 30cm <sup>3</sup> pits in sandy loam soil - Rainy and Non – rainy seasons	100 No	1.510	982.78
	<b>5.8</b>	<b>Digging 60 cm<sup>3</sup> pits in all types of soils for avenue plantation</b>			
FR-L2957	5.8.1	Non – rainy season (Before 30 <sup>th</sup> June)	100 No	9.260	6,026.87
FR-L2958	5.8.2	Rainy season	100 No	7.720	5,024.56
	<b>5.9</b>	<b>Digging 30 cm<sup>3</sup> pits in ploughed area</b>			
FR-L2959		Non – rainy season (Before 30 <sup>th</sup> June)	100 No	0.520	338.44
FR-L2960		Rainy season	100 No	0.440	286.37

	<b>5.10</b>	<b>Hire charges of private vehicle wherever Department vehicles are not available</b>			
FR-L2961	5.11	Loading and unloading polythene bags container plants in private / departmental vehicles up to a lead of 2 km (excluding hire charges for the vehicle)			
FR-L2962	5.11.1	8 x 15 cm	1,000 No	0.660	429.56
FR-L2963	5.11.2	10 x 15 cm	"	0.900	585.77
FR-L2964	5.11.3	10 x 20 cm	"	1.080	702.92
FR-L2965	5.11.4	13 x 25 cm	"	1.530	995.80
FR-L2966	5.11.5	16 x 30 cm	"	1.790	1,165.02
FR-L2967	5.11.6	20 x 30 cm	"	2.220	1,444.89
FR-L2968	5.11.7	30 x 45 cm	"	3.290	2,141.30
FR-L2969	5.11.8	35 x 50 cm	"	3.530	2,297.50
	<b>5.12</b>	<b>Pots with seedlings</b>			
FR-L2970	5.12.1	25 x 15 x 12 cm	1,000 No	3.170	2,063.19
FR-L2971	5.12.2	30 x 15 x 12 cm	"	3.630	2,362.59
FR-L2972	5.12.3	30 x 25 x 15 cm	"	5.790	3,768.42
FR-L2973	5.12.4	40 x 30 x 15 cm	"	7.600	4,946.46
	5.13	Transporting of Polythene container seedlings by head loads (in the places where approach roads are not available to take vehicles to planting site)			
	5.13.1	Distance up to 200 mts			
		i) Hills / Hillocks			
FR-L2974		30x45 cm	1,000 No	15.000	9,762.75
FR-L2975		35x50 cm	1,000 No	21.000	13,667.85
		ii) Plains			
FR-L2976		30x45 cm	1,000 No	11.000	7,159.35
FR-L2977		35x50 cm	1,000 No	12.500	8,135.63
	5.13.2	Distance up to 0.5 Km			
		i) Hills / Hillocks			
FR-L2978		8x15 cm	1,000 No	2.170	1,412.34
FR-L2979		10x15 cm	"	2.740	1,783.33
FR-L2980		10x20 cm	"	3.650	2,375.60
FR-L2981		13x25 cm	"	5.980	3,892.08

FR-L2982		16x30 cm	"	8.700	5,662.40
FR-L2983		20x30 cm	"	10.870	7,074.74
FR-L2984		30x45 cm	"	34.000	22,128.90
FR-L2985		35x50 cm	"	54.000	35,145.90
		ii) Plains			
FR-L2986		8x15 cm	1,000 No	1.300	60% of the above rates
FR-L2987		10x15 cm	"	1.640	
FR-L2988		10x20 cm	"	2.190	
FR-L2989		13x25 cm	"	3.590	
FR-L2990		16x30 cm	"	5.220	
FR-L2991		20x30 cm	"	6.520	
FR-L2992		30x45 cm	"	30.000	19,525.50
FR-L2993		35x50 cm	"	40.000	26,034.00
	<b>5.13.3</b>	<b>Distance up to 1 Km (allowed only after approval of Conservator of Forests)</b>			
		i) Hills / Hillocks			
FR-L2994		8 x 15 cm	1,000 No	2.570	1,672.68
FR-L2995		10 x 15 cm	"	3.220	2,095.74
FR-L2996		10 x 20 cm	"	4.300	2,798.66
FR-L2997		13 x 25 cm	"	6.970	4,536.42
FR-L2998		16 x 30 cm	"	10.000	6,508.50
FR-L2999		20 x 30 cm	"	12.610	8,207.22
FR-L3000		30 x 45 cm	"	70.000	45,559.50
FR-L3001		35 x 50 cm	"	99.000	64,434.15
		ii) Plains			
FR-L3002		8 x 15 cm	1,000 No	1.540	60% of the above rates
FR-L3003		10 x 15 cm	"	1.930	
FR-L3004		10 x 20 cm	"	2.580	
FR-L3005		13 x 25 cm	"	4.180	
FR-L3006		16 x 30 cm	"	6.000	
FR-L3007		20 x 30 cm	"	7.570	

FR-L3008		30 x 45 cm	"	61.000	39,701.85
FR-L3009		35 x 50 cm	"	85.000	55,322.25
	5.14	Potted seedlings			
	5.14.1	Distance up to 0.5 Km			
		i) Hills / Hillocks			
FR-L3010		25 x 15 x 12 cm	100 No	1.250	813.56
FR-L3011		30 x 15 x 12 cm	"	1.500	976.28
FR-L3012		30 x 25 x 15 cm	"	3.140	2,043.67
FR-L3013		40 x 30 x 15 cm	"	5.020	3,267.27
		ii) Plains			
FR-L3014		25 x 15 x 12 cm	100 No	0.610	397.02
FR-L3015		30 x 15 x 12 cm	"	0.730	475.12
FR-L3016		30 x 25 x 15 cm	"	1.530	995.80
FR-L3017		40 x 30 x 15 cm	"	2.450	1,594.58
	<b>5.14.2</b>	<b>Distance up to 1.0 km (allowed only after approval of Conservator of Forests)</b>			
		i) Hills / Hillocks			
FR-L3018		25 x 15 x 12 cm	100 No	4.090	2,661.98
FR-L3019		30 x 15 x 12 cm	"	4.890	3,182.66
FR-L3020		30 x 25 x 15 cm	"	10.240	6,664.70
FR-L3021		40 x 30 x 15 cm	"	17.830	11,604.66
		ii) Plains			
FR-L3022		30 x 15 x 12 cm	"	1.700	1,106.45
FR-L3023		30 x 25 x 15 cm	"	3.600	2,343.06
FR-L3024		40 x 30 x 15 cm	"	5.650	3,677.30
	<b>5.15</b>	<b>Distribution of Polythene container seedlings from foot of the hill or from where seedlings are stacked to the planting spot. In plains where the lead is</b>			
	5.15.1	Distance up to 100 m			
FR-L3025		8 x 15 cm	1,000 No	0.380	247.32
FR-L3026		10 x 15 cm	"	0.380	247.32
FR-L3027		10 x 20 cm	"	0.880	572.75

FR-L3028		13 x 25 cm	"	1.690	1,099.94
FR-L3029		16 x 30 cm	"	3.130	2,037.16
FR-L3030		20 x 30 cm	"	3.890	2,531.81
FR-L3031		30 x 45 cm	"	10.000	6,508.50
FR-L3032		35 x 50 cm	"	17.000	11,064.45
	5.15.2	Distance up to 200 m			
FR-L3033		8 x 15 cm	1,000 No	0.750	488.14
FR-L3034		10 x 15 cm	"	0.750	488.14
FR-L3035		10 x 20 cm	"	1.500	976.28
FR-L3036		13 x 25 cm	"	2.250	1,464.41
FR-L3037		16 x 30 cm	"	4.660	3,032.96
FR-L3038		20 x 30 cm	"	5.830	3,794.46
FR-L3039		30 x 45 cm	"	17.500	11,389.88
FR-L3040		35 x 50 cm	"	26.500	17,247.53
	5.15.3	Distance up to 500 m			
FR-L3041		8 x 15 cm	1,000 No	1.440	937.22
FR-L3042		10 x 15 cm	"	1.440	937.22
FR-L3043		10 x 20 cm	"	2.750	1,789.84
FR-L3044		13 x 25 cm	"	4.540	2,954.86
FR-L3045		16 x 30 cm	"	8.220	5,349.99
FR-L3046		20 x 30 cm	"	10.130	6,593.11
FR-L3047		30 x 45 cm	"	41.000	26,684.85
FR-L3048		35 x 50 cm	"	51.000	33,193.35
	5.15.4	Distance up to 1 km (allowed only after approval of Conservator of Forests)			
FR-L3049		8 x 15 cm	1,000 No	1.810	1,178.04
FR-L3050		10 x 15 cm	"	1.810	1,178.04
FR-L3051		10 x 20 cm	"	3.790	2,466.72
FR-L3052		13 x 25 cm	"	6.680	4,347.68
FR-L3053		16 x 30 cm	"	10.730	6,983.62
FR-L3054		20 x 30 cm	"	13.260	8,630.27
FR-L3055		30 x 45 cm	"	67.000	43,606.95
FR-L3056		35 x 50 cm	"	81.000	52,718.85

	5.16	In Hills and Hillocks where the lead is			
	5.16.1	Distance up to 100 m			
FR-L3057		8 x 15 cm	1,000 No	0.750	488.14
FR-L3058		10 x 15 cm	"	0.750	488.14
FR-L3059		10 x 20 cm	"	1.340	872.14
FR-L3060		13 x 25 cm	"	2.880	1,874.45
FR-L3061		16 x 30 cm	"	6.000	3,905.10
FR-L3062		20 x 30 cm	"	7.480	4,868.36
FR-L3063		30 x 45 cm	"	18.000	11,715.30
FR-L3064		35 x 50 cm	"	24.500	15,945.83
	5.16.2	Distance up to 200 m			
FR-L3065		8 x 15 cm	1,000 No	1.130	735.46
FR-L3066		10 x 15 cm	"	1.130	735.46
FR-L3067		10 x 20 cm	"	1.740	1,132.48
FR-L3068		13 x 25 cm	"	4.640	3,019.94
FR-L3069		16 x 30 cm	"	8.510	5,538.73
FR-L3070		20 x 30 cm	"	10.430	6,788.37
FR-L3071		30 x 45 cm	"	30.000	19,525.50
FR-L3072		35 x 50 cm	"	37.000	24,081.45
	5.16.3	Distance up to 500 m			
FR-L3073		8 x 15 cm	1,000 No	1.750	1,138.99
FR-L3074		10 x 15 cm	"	1.750	1,138.99
FR-L3075		10 x 20 cm	"	3.710	2,414.65
FR-L3076		13 x 25 cm	"	6.960	4,529.92
FR-L3077		16 x 30 cm	"	13.310	8,662.81
FR-L3078		20 x 30 cm	"	16.740	10,895.23
FR-L3079		30 x 45 cm	"	52.500	34,169.63
FR-L3080		35 x 50 cm	"	67.000	43,606.95
	5.16.4	Distance up to 1000 m (allowed only after approval of Conservator of Forests)			
FR-L3081		8 x 15 cm	1,000 No	2.500	1,627.13

FR-L3082		10 x 15 cm	"	2.500	1,627.13
FR-L3083		10 x 20 cm	"	4.680	3,045.98
FR-L3084		13 x 25 cm	"	9.660	6,287.21
FR-L3085		20 x 30 cm	"	21.740	14,149.48
FR-L3086		30 x 45 cm	"	76.000	49,464.60
FR-L3087		35 x 50 cm	"	97.000	63,132.45
	<b>5.17</b>	<b>Distribution of potted plants from foot of the hill from where seedlings are stacked to the planting spot in plains where the lead is</b>			
FR-L3088	5.17.1	Up to 100m 30 x 25 x 15 cm	100 No	0.620	403.53
FR-L3089	5.17.2	Up to 200m 30 x 25 x 15 cm	"	1.190	774.51
FR-L3090	5.17.3	Up to 500m 30 x 25 x 15 cm	"	1.710	1,112.95
FR-L3091	5.17.4	Up to 1000m 30 x 25 x 15 cm	"	3.280	2,134.79
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
FR-L3092	5.18.1	Up to 100m – 25 x 15 x 12 cm	100 No	0.880	572.75
FR-L3093		Up to 100m – 30 x 25 x 15 cm	"	1.500	976.28
FR-L3094	5.18.2	Up to 200m – 25 x 15 x 12 cm	"	1.730	1,125.97
FR-L3095		Up to 200m – 30 x 25 x 15 cm	"	2.810	1,828.89
FR-L3096	5.18.3	Up to 500m – 25 x 15 x 12 cm	"	3.250	2,115.26
FR-L3097		Up to 500m – 30 x 25 x 15 cm	"	5.180	3,371.40
		Up to 1000m (allowed only after approval of Conservator of Forests)			
FR-L3098	5.18.4	25x15x 12 cm	100 No	5.400	3,514.59
FR-L3099		30x25x 15 cm	100 No	8.88	5,779.55
FR-L3100	5.2	Planting the container plants by refilling pits of 30 cm <sup>3</sup> size in plains and hillocks	100 No	0.700	455.60
FR-L3101	5.21	Planting the container plants by refilling pits of 45 cm <sup>3</sup> size in plains and hillocks	100 No	1.150	748.48
FR-L3102	5.22	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicle) in avenu	100 No	1.710	1,112.95

FR-L3103	5.23	Replacement of casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	100 No	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting the appropriate size pits	
FR-L3104	5.24	Scrap weeding for 1 m dia and soil working 15cm depth around each plant and removing the grass roots away from the site or upturning the soil both in plains and hillocks	100 No	1.230	800.55
FR-L3105	5.25	Forming semi – circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 No	2.880	1,874.45
FR-L3106	5.26	Forming catch water drains for each plants of 90x45x30cm size in hillocks and hard gravelly soil	100 No	6.840	4,451.81
FR-L3107	5.27	Removing/ scrapping vizal monsoon or bothai grass for one meter dia around the plants	100 No	0.210	136.68
FR-L3108	5.38	Kiluvai fencing around the Tamarind plants to a dia of 1m and height of 1m	1 No	0.800	520.68
FR-L3109	5.4	Heaping and debris and burning	Ha	2.000	1,301.70
	<b>6</b>	<b>TEAK</b>			
FR-L3110	6.2	Preparation of Teak stumps	1,000 No	6.000	3,905.10
FR-L3111	6.4	Digging crowbar holes and planting stumps (teak)	1,000 No	8.000	5,206.80
FR-L3112	6.4.2	Saucering like pits for planting teak stumps	1,000 No	10.000	6,508.50
	<b>7</b>	<b>CASUARINA PLANTATIONS</b>			
FR-L3113	7.1.2	Maintenance of well in casuarinas plantation areas	1 No	0.400	260.34
FR-L3114	7.7	Pot watering the casuarinas plants from wells within the plantation site	1,000 No	1.330	865.63
	<b>9</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
	9.5	Felling, Billeting and stacking of firewood departmentally into billets in 1m long, arranging in stacks of 2m length,1m width and 1m height			

FR-L3115	9.15.1	Hardwood (Babul and other Acacia casuarinas etc.)	Tonne	2.410	1,568.55
FR-L3116	9.15.2	Medium wood (Eucalyptus, Wattle etc.)	Tonne	1.110	722.44
	<b>10</b>	<b>WATTLE</b>			
FR-L3117	10.2.1	Thinning by cutting wattle trees at an espacement of 2.5m x 2.5m in wattle plantations	ha	26.000	16,922.10
FR-L3118	10.2.2	Debarking the stems and collecting the wattle bark	Tonne	18.000	11,715.30
	<b>11</b>	<b>RAIN WATER HARVESTING</b>			
FR-L3119	11	Digging water harvesting trenches of size 5.00m X 1.00m x 0.30m with inward slope in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	each	1.445	940.48
	<b>12</b>	<b>REMOVAL OF INVASIVE SPECIES (<i>Lantana camara</i>, <i>Eupatorium</i>, <i>Parthenium</i> etc.,)</b>			
	<b>12.1</b>	<b>Fresh removal</b>			
FR-L3120	12.1.1	Heavy growth	ha	100.00	65,085.00
FR-L3121	12.1.2	Medium growth	ha	68.97	44,889.12
FR-L3122	12.1.3	Light growth	ha	47.62	30,993.48
	<b>12.2</b>	<b>Second year maintenance</b>			
FR-L3123	12.2.1	Heavy growth	ha	75.00	48,813.75
FR-L3124	12.2.2	Medium growth	ha	45.45	29,581.13
FR-L3125	12.2.3	Light growth	ha	35.00	22,779.75
	<b>12.3</b>	<b>Third year maintenance</b>			
FR-L3126	12.3.1	Heavy growth	ha	48.40	31,501.14
FR-L3127	12.3.2	Medium growth	ha	37.50	24,406.88
FR-L3128	12.3.3	Light growth	ha	23.95	15,587.86

## Forest Schedule of Rates 2024-2025

### Class C - Grade III Districts: Vellore, Ranipet, Tirupattur & Tiruvannamalai

Unique Code	Standard Code No.	Description of operations	Unit	Mandays required	Vellore, Ranipet Tirupattur & Tiruvannamalai Districts (Rs. 650.85 / per day)
<b>1.SANDALWOOD OPERATIONS</b>					
	<b>1.4</b>	<b>Extraction and transport of marked sandalwood trees from extraction site to Forest depot, debarking (with out rough cleaning) including billeting in the case of trees of growth 91 cms and above, marking the pits with paint, numbering of pegs, trees up to 4 mts. height up to a distance of 2 Kms.</b>			
FR-L3129	1.4.1.	0.15 cm	Per tree	0.174	113.25
FR-L3130	1.4.2.	16-30cm		0.396	257.74
FR-L3131	1.4.3.	31-45cm		0.967	629.37
FR-L3132	1.4.4.	46-60cm		1.920	1249.63
FR-L3133	1.4.5.	61-75 cm		3.223	2097.69
FR-L3134	1.4.7.	91-105cm		6.476	4214.90
FR-L3135	1.4.8.	106-120cm		8.427	5484.71
FR-L3136	1.4.9.	121-135cm		10.627	6916.58
FR-L3137	1.4.10	136-150cm		12.977	8446.08
FR-L3138	1.4.11.	151-165 cm		15.476	10072.55
FR-L3139	1.4.12.	166-180 cm		18.124	11796.01
	<b>1.5.</b>	<b>Extraction and transport by head load with out cleaning from pit site to Forest depot after debarking up to 5 Kms. (for trees up to 4m height)</b>			
FR-L3140	1.5.1.	0.15 cm	Per tree	0.308	200.46
FR-L3141	1.5.2.	16-30cm		0.896	583.16
FR-L3142	1.5.3.	31-45cm		1.667	1084.97
FR-L3143	1.5.4.	46-60cm		3.220	2095.74
FR-L3144	1.5.5.	61-75 cm		5.123	3334.30
FR-L3145	1.5.6.	76-90 cm		7.375	4800.02
FR-L3146	1.5.7.	91-105cm		9.976	6492.88

FR-L3147	1.5.8.	106-120cm	Per tree	12.627	8218.28
FR-L3148	1.5.9.	121-135cm		15.527	10105.75
FR-L3149	1.5.10	136-150cm		18.577	12090.84
FR-L3150	1.5.11.	151-165 cm		21.776	14172.91
FR-L3151	1.5.12.	166-180 cm		25.124	16351.96
	<b>1.6</b>	<b>Extraction and transport of uncleaned trees from pit site to Forest depot, by head load above 5 Kms. and up to 10 Kms. only ( trees up to 4 Mts. ht.) Rate as in item 1.5 plus this rate towards transport for every addl. Km. may be allowed.</b>			
FR-L3152	1.6.1.	0-15 cm	Per tree	0.040	26.03
FR-L3153	1.6.2.	16-30cm		0.130	84.61
FR-L3154	1.6.3.	31-45cm		0.220	143.19
FR-L3155	1.6.4.	46-60cm		0.440	286.37
FR-L3156	1.6.5.	61-75 cm		0.700	455.60
FR-L3157	1.6.6.	76-90 cm		1.000	650.85
FR-L3158	1.6.7.	91-105cm		1.340	872.14
FR-L3159	1.6.8.	106-120cm		1.660	1080.41
FR-L3160	1.6.9.	121-135cm		2.000	1301.70
FR-L3161	1.6.10	136-150cm		2.234	1454.00
FR-L3162	1.6.11.	151-165 cm		2.680	1744.28
FR-L3163	1.6.12.	166-180 cm		3.020	1965.57
FR-L3164	1.9.	Rough cleaning the uncleaned sandalwood trees.	Tonne	18.030	11734.83
FR-L3165	1.10	Final cleaning rough cleaned wood in to billets, roots, cleaned chips, rough weighing and adding for storage in single lock	Tonne (cleaned wood)	15.670	10198.82
	<b>1.19</b>	<b>Grubbing of root classes of lateral roots obtained in Kgs. Above - below &amp; upto.</b>			
FR-L3166	1.19.1.	0-2 kg	Per Kg.	0.128	83.31
FR-L3167	1.19.2.	2-4 kg		0.316	205.67
FR-L3168	1.19.3.	4-6 kg		0.474	308.50
FR-L3169	1.19.4.	6-8 kg		0.623	405.48
FR-L3170	1.19.5.	8-10 kg		0.768	499.85
FR-L3171	1.19.6.	10-15 kg		1.120	728.95

FR-L3172	1.19.7.	15-20 kg		1.429	930.06
FR-L3173	1.19.8.	20-25 kg		1.716	1116.86
FR-L3174	1.19.9.	25-30 kg		2.029	1320.57
FR-L3175	1.19.10	30-40 kg		2.592	1687.00
FR-L3176	1.19.11.	40-50 kg		3.076	2002.01
<b>2. FIRE PROTECTION :</b>					
FR-L3177	2.1.1.	Scraping annually fire line to a width of 7.5 m in Nilgris, Upper palanis, Anamalais etc.,	KM	32.470	21133.10
FR-L3178	2.2.1	Scraping annually fire line to a width of 6 m in Hill areas	KM	30.000	19525.50
FR-L3179	2.2.2	Scraping annually fire line to a width of 7.5 m with fire tracing in plains.	KM	21.520	14006.29
FR-L3180	2.4.	Annual clearing to 3 metres width and fire tracing around the plantations	KM	17.460	11363.84
<b>3.DEMARCATION</b>					
FR-L3181	3.2.	Demarcation of reserved forest boundary by annual clearing cutting of bushes etc., to a width of 6 metres.	100 metres	21.000	13667.85
FR-L3182	3.3.	Survey and demarcation including cutting 1m wide lines for coupes and plantations (Chain and compass survey)	100 metres	0.310	201.76
FR-L3183	3.5.1.	Demarcation by planting with boundary stone pillars of 0.15mx0.15mx1.8m size excluding the cost of stones including transport from road site to field and headload transport from unloading point to planting site upto 5 kms.	Each / PWD Rate		
FR-L3184	3.5.2.	For every additional km.beyond 5 km limited to 50 km.including initial lead.	Each stone		

	3.6.1.	Planting of boundary stone pillars of 0.15m x 0.15 x 0.90m (excluding cost of stone) Stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations where the lead from unloading point to the planting site is	PWD Rate		
FR-L3185		i) upto 5 km	Each		
FR-L3186		ii) For every additional km.	Each		
FR-L3187	3.7.	Replanting of fallen R.F. boundary stone including repairing the RR dry packing base.	Each	1.000	650.85
<b>4.NURSERY OPERATIONS</b>					
FR-L3188	4.1.	Preparation of nursery site by clearing and levelling the site for forming ten standard beds of 10m x 1m size.	200 sq.m. (for 10 std. M.Beds)	2.420	1575.06
FR-L3189	4.2.	Formation of germination bed of size 10m x 10m x 0.30m	One bed	-	
FR-L3190	4.4.	Formation of trenches of size of size 10m length 1m width and 0.30m/0.45m depth, burying mud pots in trenches and filling sand to a thickness of 0.75cm as bottom and top layers and between the pots.	One Trench	2.000	1301.70
FR-L3191	4.5.1.	Watering the germination beds twice daily with rose can.	10 beds / day	0.820	533.70
FR-L3192	4.5.2.	Watering the germination beds once daily with rose can.		0.410	266.85
	<b>4.6</b>	<b>Preparation of soil mixture by breaking clods, seiving, and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farm yard manure, heaping at the filling site and filling in polythene bags, arrnging bags in beds and pricking out the seedlings (Excluding cost of earth, farm yard manure) Note : The proportion of fertile earth and FYM will be fixed by the respective CFs.</b>			
		<b>For Polythene containers size.</b>			
FR-L3193	4.6.1	8 x 15 cm	1000 bags	3.050	1985.09
FR-L3194	4.6.2.	10 x 15cm		3.280	2134.79

FR-L3195	4.6.3.	10 x 20cm	1000 bags	3.530	2297.50
FR-L3196	4.6.4.	13 x 25cm		4.480	2915.81
FR-L3197	4.6.5.	16 x 30cm		5.950	3872.56
FR-L3198	4.6.6.	20 x 30cm		7.440	4842.32
FR-L3199	4.6.7.	30 x 45cm		28.570	18594.78
FR-L3200	4.6.8.	35 x 50 (HDPE woven bags)		37.000	24081.45
FR-L3201	4.6.9	Collection and supply of good quality of red earth including transporting upto 5 Km. Note : Minimum lead should be adopted	M <sup>3</sup>	0.000	1200.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proc. Ref.No.TS1/12739/2023, dated : 23.08.2023. It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
FR-L3202	4.6.10	Collection and supply of river sand and silt including transport	M <sup>3</sup>	PWD SSR Rate	936.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proc. Ref.No.TS1/12739/2023, dated : 23.08.2023. It shall be applicable only when the river sand or silt is purchased from Government depots or Public Works Department.			
FR-L3203	4.6.11	Collection and supply of rfarmyard manure including transport	M <sup>3</sup>	As per proposals	800.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proc. Ref.No.TS1/12739/2023, dated : 23.08.2023. It shall be applicable only when the farmyard manure is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
		<b>Mix Proportion</b>	<b>Earth</b>	<b>Manure</b>	
FR-L3204		10 X 20 cm = 1 : 4	0.44 M <sup>3</sup>	0.11 M3	
FR-L3205		13 X 25 cm = 1 : 3	0.99 M <sup>3</sup>	0.34 M3	
FR-L3206		16 X 35 cm = 1 : 3	1.55 M <sup>3</sup>	0.51 M3	
FR-L3207		30 X 45 cm = 1 : 3	3.22 M <sup>3</sup>	9.66 M3	
	<b>4.7.</b>	<b>Filling in mud pots with goodearth and farmyard manure,excluding cost of transport and cost of farmyard manure pricking out seedlings in the pots.</b>			
		<b>Top x Bottom x Height</b>			
FR-L3208		40 x 15 x 30 cm	100 Nos.	2.800	1822.38

FR-L3209		30 x 15 x 25 cm	100 Nos.	1.750	1138.99
FR-L3210		25 x 12 x 15 cm	100 Nos.	0.700	455.60
FR-L3211	4.9	Forming temporary shade pandals 10m x 1m .including collection of grasses.	per pandal	1.000	650.85
	<b>4.10.</b>	<b>Watering the container plants twice daily with rose can (Water storage pits to be dugup within 10m - 20m from beds in the nursery.)</b>			
FR-L3212	4.10.1	8 x 15 cm	1000/day	0.160	104.14
FR-L3213	4.10.2.	10 x 15cm		0.160	104.14
FR-L3214	4.10.3.	10 x 20cm		0.200	130.17
FR-L3215	4.10.4.	13 x 25cm		0.230	149.70
FR-L3216	4.10.5.	16 x 30cm		0.370	240.81
FR-L3217	4.10.6.	20 x 30cm	1000/day	0.000	0.00
FR-L3218	4.10.7.	30 x 45cm		0.560	364.48
FR-L3219	4.10.8.	35 x 50 cm		0.860	559.73
	<b>4.11.</b>	<b>Watering the container plants once daily</b>			
FR-L3220	4.11.1	8 x 15 cm	1000/day	0.080	52.07
FR-L3221	4.11.2.	10 x 15cm		0.080	52.07
FR-L3222	4.11.3.	10 x 20cm		0.100	65.09
FR-L3223	4.11.4.	13 x 25cm		0.115	74.85
FR-L3224	4.11.5.	16 x 30cm		0.185	120.41
FR-L3225	4.11.6.	20 x 30cm		0.000	0.00
FR-L3226	4.11.7.	30 x 45cm		0.280	182.24
FR-L3227	4.11.8.	35 x 50 cm		0.430	279.87
		Note: 1)Watering not to be done on rainy days 2) Watering regime fixed by the PCCF / C F for each circle should be followed			
	<b>4.12.</b>	<b>Watering the mud pots twice daily with rose can excluding cost of water (water storage pits to be dug up within 10m - 20m from beds in the nursery.)</b>			
		Top x Bottom x Height	1000 pots / day		
FR-L3228	4.12.1	25 x 12 x 15 cm		0.530	344.95
FR-L3229	4.12.2	30 x 12 x 15 cm		0.530	344.95
FR-L3230	4.12.3	30 x 15 x 25 cm		0.750	488.14
FR-L3231	4.12.4	40 x 15 x 30 cm		1.430	930.72

FR-L3232	<b>4.13.</b>	Flood watering in sunken beds of 10m x 1 m	Bed/day	0.030	19.53
	<b>4.14.</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
		<b>Top x Bottom x Height</b>			
FR-L3233	4.14.1	25 x 12 x 15 cm	1000 / shift	2.310	1503.46
FR-L3234	4.14.2	30 x 12 x 15 cm		2.750	1789.84
FR-L3235	4.14.3	30 x 15 x 25 cm		4.370	2844.21
FR-L3236	4.14.4	40 x 15 x 30 cm		5.530	3599.20
	<b>4.15.</b>	<b>Shifting the container plants,weeding, grading and replacement of casualties in the bags.</b>			
FR-L3237	4.15.1	8 x 15 cm	1000 / shift	0.250	162.71
FR-L3238	4.15.2.	10 x 15cm		0.290	188.75
FR-L3239	4.15.3.	10 x 20cm		0.330	214.78
FR-L3240	4.15.4.	13 x 25cm		0.510	331.93
FR-L3241	4.15.5.	16 x 30cm		0.790	514.17
FR-L3242	4.15.6.	20 x 30cm		0.970	631.32
FR-L3243	4.15.7.	30 x 45cm		2.690	1750.79
FR-L3244	4.15.8.	35 x 50 cm		3.770	2453.70
		Note: Shifting to be done once in 21 days.1st shifting not before 45 days after pricking out.			
FR-L3245	4.17	Land rent for nrusery in private lands	40 M <sup>2</sup> / month	Addenda 4.17 / FSR	100.00
		<b>The revision of enhanced rate approved in Principal Chief Conservator of Forets, Chennai Proc. Ref.No.TS1/12739/2023, dated : 23.08.2023.</b>			
		Details of land requirement			
FR-L3246		8 X 15 = 9000 bags / cent			
FR-L3247		10 X 20 = 6000 bags / cent			
FR-L3248		13 X 25 = 300 bags / cent			
FR-L3249		16 X 30 = 2000 bags / cent			

	4.18	Cost of water for watering the container seedlings from private well	1000 bags / watering / day		
FR-L3250		8 X 15 cm			--
FR-L3251		10 X 15 cm			--
FR-L3252		10 X 20 cm			--
FR-L3253		13 X 25 cm			8.50
FR-L3254		16 X 30 cm			16.00
FR-L3255		30 X 45 cm			32.00
		<b>The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proc. Ref.No.TS1/12739/2023, dated : 23.08.2023.</b>			
	<b>5.1.</b>	<b>Ploughing the land with Tractor Disc plough</b>			
FR-L3256	5.1.1.	Once	Hec.	TAFORN rate may be adopted.	
FR-L3257	5.1.2.	Twice			
	<b>5.2.</b>	<b>Aligning and marking or stacking excluding cost of stacks</b>			
FR-L3258	5.2.1.	Plains and tankbeds (Square & rectangular planting)	1000 Nos.	1.380	898.17
FR-L3259	5.2.4.	Aligning for strip plantations including avenues		1.380	898.17
	<b>5.3.</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil.</b>			
FR-L3260	5.3.1.	Non rainy season	100 Nos.	2.600	1692.21
FR-L3261	5.3.2.	Rainy season	100 Nos.	2.160	1405.84
	<b>5.4.</b>	<b>Digging 30 cm<sup>3</sup> pits in tankbed areas &amp; plains (other than Hard gravelly soil)</b>			
FR-L3262	5.4.1.	Non rainy season	100 Nos.	2.090	1360.28
FR-L3263	5.4.2.	Rainy season	100 Nos.	1.750	1138.99
	<b>5.5.</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil.</b>			
FR-L3264	5.5.1.	Non rainy season	100 Nos.	4.700	3059.00
FR-L3265	5.5.2.	Rainy season	100 Nos.	3.920	2551.33
	<b>5.6.</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L3266	5.6.1.	Non rainy season	100 Nos.	3.870	2518.79

FR-L3267	5.6.2.	Rainy season	100 Nos.	3.230	2102.25
	<b>5.7.</b>	<b>Digging 30 cm<sup>3</sup> pits in sandy loam soil</b>			
FR-L3268		Rainy season or non rainy season	100 Nos.	1.510	982.78
	<b>5.8.</b>	<b>Digging 60 cm<sup>3</sup> pits in all types of soils for avenue plantations</b>			
FR-L3269	5.8.1.	Non rainy season	100 Nos.	9.260	6026.87
FR-L3270	5.8.2.	Rainy season	100 Nos.	7.720	5024.56
	<b>5.9.</b>	<b>Digging 30 cm<sup>3</sup> pits in ploughed area</b>			
FR-L3271		Non rainy season	25% of item No.5.4	0.520	338.44
FR-L3272		Rainy season		0.440	286.37
	<b>5.11.</b>	<b>Loading and unloading Poly bag container plants in private/Department vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)</b>			
FR-L3273	5.11.1.	8 x 15 cm	1000 Nos.	0.660	429.56
FR-L3274	5.11.2.	10 x 15cm		0.900	585.77
FR-L3275	5.11.3.	10 x 20cm		1.080	702.92
FR-L3276	5.11.4.	13 x 25cm		1.530	995.80
FR-L3277	5.11.5.	16 x 30cm		1.790	1165.02
FR-L3278	5.11.6.	20 x 30cm		2.220	1444.89
FR-L3279	5.11.7.	30 x 45cm		3.290	2141.30
FR-L3280	5.11.8.	35 x 50 cm		3.530	2297.50
	<b>5.12.</b>	<b>Pot with seedlings</b>			
		Top x Bottom x Height			
FR-L3281	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.170	2063.19
FR-L3282	5.12.2	30 x 12 x 15 cm		3.630	2362.59
FR-L3283	5.12.3	30 x 15 x 25 cm		5.790	3768.42
FR-L3284	5.12.4	40 x 15 x 30 cm		7.600	4946.46
	<b>5.13.</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles to planting site.</b>			
	5.13.1.	Distance upto 200 Mts.			
		(i) Hills/Hillocks			

FR-L3285		30 x 45 cm	1000 Nos.	15.000	9762.75
FR-L3286		35 x 50 cm		21.000	13667.85
		(ii) Plains			
FR-L3287		30 x 45 cm		11.000	7159.35
FR-L3288		35 x 50 cm		12.500	8135.63
	5.13.2.	Distance upto 0.5 km			
		i) Hills/Hillocks			
FR-L3289		8 x 15 cm	1000 Nos.	2.170	1412.34
FR-L3290		10 x 15 cm		2.740	1783.33
FR-L3291		10 x 20 cm		3.650	2375.60
FR-L3292		13 x 25 cm		5.980	3892.08
FR-L3293		16 x 30 cm		8.700	5662.40
FR-L3294		20 x 30 cm		10.870	7074.74
FR-L3295		30 x 45 cm		34.000	22128.90
FR-L3296		35 x 50 cm		54.000	35145.90
	5.13.2.	ii) Plains ( Dist. up to 0.5 Km)			
FR-L3297		8 x 15 cm	1000 Nos.	1.300	846.11
FR-L3298		10 x 15 cm		1.640	1067.39
FR-L3299		10 x 20 cm		2.190	1425.36
FR-L3300		13 x 25 cm	1000/day	3.590	2336.55
FR-L3301		16 x 30 cm		5.220	3397.44
FR-L3302		20 x 30 cm		6.520	4243.54
FR-L3303		30 x 45 cm		30.000	19525.50
FR-L3304		35 x 50 cm		40.000	26034.00
	5.13.3.	Distance upto 1 km			
		i) Hills/Hillocks			

FR-L3305		8 x 15 cm	1000 Nos.	2.570	1672.68
FR-L3306		10 x 15 cm		3.220	2095.74
FR-L3307		10 x 20 cm		4.300	2798.66
FR-L3308		13 x 25 cm		6.970	4536.42
FR-L3309		16 x 30 cm		10.000	6508.50
FR-L3310		20 x 30 cm		12.610	8207.22
FR-L3311		30 x 45 cm		70.000	45559.50
FR-L3312		35 x 50 cm		99.000	64434.15
	5.13.3.	ii) Plains			
FR-L3313		8 x 15 cm	1000 Nos.	1.540	1002.31
FR-L3314		10 x 15 cm		1.930	1256.14
FR-L3315		10 x 20 cm		2.580	1679.19
FR-L3316		13 x 25 cm		4.180	2720.55
FR-L3317		16 x 30 cm		6.000	3905.10
FR-L3318		20 x 30 cm		7.570	4926.93
FR-L3319		30 x 45 cm		61.000	39701.85
FR-L3320		35 x 50 cm		85.000	55322.25
	<b>5.14.</b>	<b>Potted seedlings</b>			
	5.14.1.	Distance upto 0.5 km			
		i) Hills/Hillocks			
FR-L3321		25 x 12 x 15 cm	100 Nos.	1.250	813.56
FR-L3322		30 x 12 x 15 cm		1.500	976.28
FR-L3323		30 x 15 x 25 cm		3.140	2043.67
FR-L3324		40 x 15 x 30 cm		5.020	3267.27
		ii) Plains			
FR-L3325		25 x 12 x 15 cm	100 Nos.	0.610	397.02
FR-L3326		30 x 12 x 15 cm		0.730	475.12
FR-L3327		30 x 15 x 25 cm		1.530	995.80
FR-L3328		40 x 15 x 30 cm		2.500	1627.13

	5.14.2.	Distance upto 1 km			
		i) Hills/Hillocks			
FR-L3329		25 x 12 x 15 cm	100 Nos.	4.090	2661.98
FR-L3330		30 x 12 x 15 cm		4.890	3182.66
FR-L3331		30 x 15 x 25 cm		10.240	6664.70
FR-L3332		40 x 15 x 30 cm		17.830	11604.66
		ii) Plains			
FR-L3333		25 x 12 x 15 cm	100 Nos.	1.430	930.72
FR-L3334		30 x 12 x 15 cm		1.700	1106.45
FR-L3335		30 x 15 x 25 cm		3.600	2343.06
FR-L3336		40 x 15 x 30 cm		5.650	3677.30
	<b>5.15.</b>	<b>Distribution of polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot, in plains where the lead is</b>			
	5.15.1.	Upto 100 m.			
FR-L3337		8 x 15 cm	1000 Nos.	0.380	247.32
FR-L3338		10 x 15 cm		0.380	247.32
FR-L3339		10 x 20 cm		0.880	572.75
FR-L3340		13 x 25 cm		1.690	1099.94
FR-L3341		16 x 30 cm		3.130	2037.16
FR-L3342		20 x 30 cm		3.890	2531.81
FR-L3343		30 x 45 cm		10.000	6508.50
FR-L3344		35 x 50 cm		17.000	11064.45
	5.15.2.	Upto 200 m			
FR-L3345		8 x 15 cm	1000 Nos.	0.750	488.14
FR-L3346		10 x 15 cm		0.750	488.14
FR-L3347		10 x 20 cm		1.500	976.28
FR-L3348		13 x 25 cm		2.250	1464.41
FR-L3349		16 x 30 cm		4.660	3032.96

FR-L3350		20 x 30 cm	1000 Nos.	5.830	3794.46
FR-L3351		30 x 45 cm		17.500	11389.88
FR-L3352		35 x 50 cm		26.500	17247.53
	5.15.3.	Upto 500 m	1000 Nos.		
FR-L3353		8 x 15 cm		1.440	937.22
FR-L3354		10 x 15 cm		1.440	937.22
FR-L3355		10 x 20 cm		2.750	1789.84
FR-L3356		13 x 25 cm		4.540	2954.86
FR-L3357		16 x 30 cm		8.220	5349.99
FR-L3358		20 x 30 cm		10.130	6593.11
FR-L3359		30 x 45 cm		41.000	26684.85
FR-L3360		35 x 50 cm		51.000	33193.35
	5.15.4.	Upto 1000 m			
FR-L3361		8 x 15 cm	1000 Nos.	1.810	1178.04
FR-L3362		10 x 15 cm		1.810	1178.04
FR-L3363		10 x 20 cm		3.790	2466.72
FR-L3364		13 x 25 cm		6.680	4347.68
FR-L3365		16 x 30 cm		10.730	6983.62
FR-L3366		20 x 30 cm		13.260	8630.27
FR-L3367		30 x 45 cm		67.000	43606.95
FR-L3368		35 x 50 cm		81.000	52718.85
	<b>5.16.</b>	<b>In Hills and hillocks where the lead is</b>			
	5.16.1.	Upto 100 m			
FR-L3369		8 x 15 cm	1000 Nos.	0.750	488.14
FR-L3370		10 x 15 cm		0.750	488.14
FR-L3371		10 x 20 cm		1.340	872.14
FR-L3372		13 x 25 cm		2.880	1874.45
FR-L3373		16 x 30 cm		6.000	3905.10

FR-L3374		20 x 30 cm	1000 Nos.	7.480	4868.36
FR-L3375		30 x 45 cm		18.000	11715.30
FR-L3376		35 x 50 cm		24.500	15945.83
	5.16.2.	Upto 200 m			
FR-L3377		8 x 15 cm	1000 Nos.	1.130	735.46
FR-L3378		10 x 15 cm		1.130	735.46
FR-L3379		10 x 20 cm		1.740	1132.48
FR-L3380		13 x 25 cm		4.640	3019.94
FR-L3381		16 x 30 cm		8.510	5538.73
FR-L3382		20 x 30 cm		10.430	6788.37
FR-L3383		30 x 45 cm	1000/day	30.000	19525.50
FR-L3384		35 x 50 cm		37.000	24081.45
	5.16.3.	Upto 500 m			
FR-L3385		8 x 15 cm	1000 Nos.	1.750	1138.99
FR-L3386		10 x 15 cm		1.750	1138.99
FR-L3387		10 x 20 cm		3.710	2414.65
FR-L3388		13 x 25 cm		6.960	4529.92
FR-L3389		16 x 30 cm	1000 Nos.	13.310	8662.81
FR-L3390		20 x 30 cm		16.740	10895.23
FR-L3391		30 x 45 cm		52.500	34169.63
FR-L3392		35 x 50 cm		67.000	43606.95
	5.16.4.	Upto 1000 m.			
FR-L3393		8 x 15 cm	1000 Nos.	2.500	1627.13
FR-L3394		10 x 15 cm		2.500	1627.13
FR-L3395		10 x 20 cm		4.680	3045.98
FR-L3396		13 x 25 cm		9.660	6287.21
FR-L3397		16 x 30 cm		17.380	11311.77

FR-L3398		20 x 30 cm	1000 Nos.	21.740	14149.48
FR-L3399		30 x 45 cm		76.000	49464.60
FR-L3400		35 x 50 cm		97.000	63132.45
	<b>5.17.</b>	<b>Distribution of pot plants from foot of the hills or from where seedlings are stacked to the planting spot, in plains where the lead is</b>			
	5.17.1.	Upto 100 m			
FR-L3401		30 x 15 x 25 cm	100 Nos.	0.620	403.53
	5.17.2.	Upto 200 m			
FR-L3402		30 x 15 x 25 cm	100 Nos.	1.190	774.51
	5.17.3.	Upto 500 m			
FR-L3403		30 x 15 x 25 cm	100 Nos.	1.710	1112.95
	5.17.4.	Upto 1000 m			
FR-L3404		30 x 15 x 25 cm	100 Nos.	3.280	2134.79
	<b>5.18.</b>	<b>In Hills and hillocks where the lead is</b>			
	5.18.1.	Upto 100 m			
FR-L3405		25 x 12 x 15 cm	100 Nos.	0.880	572.75
FR-L3406		30 x 15 x 25 cm	100 Nos.	1.500	976.28
	5.18.2.	Upto 200 m			
FR-L3407		25 x 12 x 15 cm	100 Nos.	1.730	1125.97
FR-L3408		30 x 15 x 25 cm	100 Nos.	2.810	1828.89
	5.18.3.	Upto 500 m			
FR-L3409		25 x 12 x 15 cm	100 Nos.	3.250	2115.26
FR-L3410		30 x 15 x 25 cm	100 Nos.	5.180	3371.40
	5.18.4.	Upto 1000 m			
FR-L3411		25 x 12 x 15 cm	100 Nos.	5.400	3514.59
FR-L3412		30 x 15 x 25 cm	100 Nos.	8.880	5779.55

FR-L3413	5.20.	Planting the container plants by refilling pits of size 30 Cm in plains and hillocks.	100 Nos.	0.700	455.60
FR-L3414	5.21.	Planting the container plants by refilling pits of size 45 cm in plains and hillocks.	100 Nos.	1.150	748.48
FR-L3415	5.22.	Planting the container plants by refilling pits of size 60 cm in plains and hillocks.	100 Nos.	1.710	1112.95
FR-L3416	5.23.	Replacement of casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pitting.	
FR-L3417	5.24.	Scrap weeding for 1 m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil. Both in plains and hillocks. Note: Whether done for first time or second time, the same rate	100 Nos.	1.230	800.55
FR-L3418	5.25.	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from the area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.880	1874.45
FR-L3419	5.26.	Forming catchwater drains for each plant of 90 x 45 x 30cm size in hillocks and hard gravelly soil.	100 Nos.	6.840	4451.81
FR-L3420	5.27.	Removing / scrapping vizal monsoon or bothai grass for one metre dia. around the plants.	100 Nos.	0.210	136.68
FR-L3421	5.36.	Kiluvai fencing around the Tamarind plants to a dia of 1m and height of 1 m.	1 No.	0.800	520.68
FR-L3422	5.43.	Keeping the debris and burning	Ha.	2.000	1301.70
<b>6. TEAK</b>					
FR-L3423	6.2.	Preparation of teak stumps	1000 Nos.	6.000	3905.10
FR-L3424	6.4.	Digging crowbar holes and planting stumps (teak)		8.000	5206.80

FR-L3425	6.4.2.	Saucering like pits for planting teak stumps.	1000 Nos.	10.000	6508.50
FR-L3426	7.1.1.	Digging wells in plantation sites including provision of herbs(side support to protect falling of earth or silting (4 m at top,1m bottom 2 m depth)	each / PWD Rate.		
FR-L3427	7.1.2.	Maintenance of well in Casuarina plantation areas.	1 No.	0.400	260.34
FR-L3428	7.7.	For watering the casuarina plants from wells within the plantation site.	1000 Nos.	1.330	865.63
<b>9.TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>					
FR-L3429	9.15.1.	Hardwood (Babul and other Acacia,Casuarina etc.,)	Tonne	2.410	1568.55
FR-L3430	9.15.2.	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.110	722.44
FR-L3431	10.2.1.	Thinning by cutting wattle trees at an espacement of 2.5 m x 2.5 m in wattle plantations	Ha.	26.000	16922.10
FR-L3432	10.2.2.	Debarking the stems and collecting the wattle bark	per tonne of the bark	18.000	11715.30
FR-L3433	11	Digging water harvesting trenches of size 5.00mx1.00mx0.30m with inward slope in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope/trench ( this rate will be applicable only for the work done manually- Measurements for trench and bund should be recorded in M.Book)	Each	1.445	940.48
	<b>12</b>	<b>Removal of invasive species (Lantana - camara, Eupatoriu, Parthenium etc.,)</b>			
	12.1	<b>Fresh removal</b>			
FR-L3434	12.1.1	Heavy growth	Ha.	100.00	65085.00
FR-L3435	12.1.2	Medium growth	Ha.	68.970	44889.12
FR-L3436	12.1.3	Light growth	Ha.	47.620	30993.48

	12.2	<b>2nd year maintenance</b>			
FR-L3437	12.2.1	Heavy growth	Ha.	75.000	48813.75
FR-L3438	12.2.2	Medium growth	Ha.	45.450	29581.13
FR-L3439	12.2.3	Light growth	Ha.	35.000	22779.75
	12.3	<b>3rd year maintenance</b>			
FR-L3440	12.3.1	Heavy growth	Ha.	48.400	31501.14
FR-L3441	12.3.2	Medium growth	Ha.	37.500	24406.88
FR-L3442	12.3.3	Light growth	Ha.	23.950	15587.86

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III Districts: Dharmapuri & Krishnagiri**

Unique Code	Standard Code No.	Description of Operations	Unit	Man days required	Dharmapuri & Krishnagiri District (Rs. 650.85 / per day)
	<b>1.</b>	<b>SANDALWOOD OPERATIONS</b>			
	<b>1.4</b>	<b>Extraction and transport of marked sandal- wood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91cms and above, marking the pits with paint, distance of 2 kms.</b>			
FR-L3443	1.4.1	0 - 15 cm	Tree	0.174	113.25
FR-L3444	1.4.2	16 - 30 cm		0.396	257.74
FR-L3445	1.4.3	31 - 45 cm		0.967	629.37
FR-L3446	1.4.4	46 - 60 cm		1.920	1249.63
FR-L3447	1.4.5	61 - 75 cm		3.223	2097.69
FR-L3448	1.4.6	76 - 90 cm		4.675	3042.72
FR-L3449	1.4.7	91 - 105 cm		6.476	4214.90
FR-L3450	1.4.8	106 - 120 cm		8.427	5484.71
FR-L3451	1.4.9	121 - 135 cm		10.627	6916.58
FR-L3452	1.4.10	136 - 150 cm		12.977	8446.08
FR-L3453	1.4.11	151 - 165 cm		15.476	10072.55
FR-L3454	1.4.12	166 - 180 cm		18.124	11796.01
	<b>1.5</b>	<b>Extraction and transport by head load without rough cleaning from pit site to forest depot after debarking upto 5kms (For trees upto 4 m height).</b>			
FR-L3455	1.5.1	0 - 15 cm		0.308	200.46
FR-L3456	1.5.2	16 - 30 cm		0.896	583.16
FR-L3457	1.5.3	31 - 45 cm		1.667	1084.97
FR-L3458	1.5.4	46 - 60 cm		3.220	2095.74
FR-L3459	1.5.5	61 - 75 cm		5.123	3334.30
FR-L3460	1.5.6	76 - 90 cm		7.375	4800.02
FR-L3461	1.5.7	91 - 105 cm		9.976	6492.88
FR-L3462	1.5.8	106 - 120 cm		12.627	8218.28

FR-L3463	1.5.9	121 - 135 cm		15.527		10105.75
FR-L3464	1.5.10	136 - 150 cm		18.577		12090.84
FR-L3465	1.5.11	151 - 165 cm		21.776		14172.91
FR-L3466	1.5.12	166 - 180 cm		25.124		16351.96
	<b>1.6</b>	<b>Extraction and transport of uncleaned trees from pit site to forest depot by head load above 5 kms and upto 10 kms only (Trees upto 4m height) Rates as in item 1.5 plus this rate towards transport for every additional km. may be allowed.</b>				
			Tree			
FR-L3467	1.6.1	0 - 15 cm		0.040		26.03
FR-L3468	1.6.2	16 - 30 cm		0.130		84.61
FR-L3469	1.6.3	31 - 45 cm		0.220		143.19
FR-L3470	1.6.4	46 - 60 cm		0.440		286.37
FR-L3471	1.6.5	61 - 75 cm		0.700		455.60
FR-L3472	1.6.6	76 - 90 cm		1.000		650.85
FR-L3473	1.6.7	91 - 105 cm		1.340		872.14
FR-L3474	1.6.8	106 - 120 cm		1.660		1080.41
FR-L3475	1.6.9	121 - 135 cm		2.000		1301.70
FR-L3476	1.6.10	136 - 150 cm		2.234		1454.00
FR-L3477	1.6.11	151 - 165 cm		2.680		1744.28
FR-L3478	1.6.12	166 - 180 cm		3.020		1965.57
FR-L3479	1.9	Roughcleaningtheun-cleaned sandalwood trees	Tonne (un-cleaned wood)	18.030		11734.83
FR-L3480	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for storage in single lock	Tonne (un-cleaned wood)	15.670		10198.82
	1.19	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	Per kg.			0.00
FR-L3481	1.19.1	0 - 2 kg.		0.128		83.31
FR-L3482	1.19.2	2 - 4 kg.		0.316		205.67
FR-L3483	1.19.3	4 - 6 kg.		0.474		308.50
FR-L3484	1.16.4	6 - 8 kg.		0.623		405.48
FR-L3485	1.19.5	8 - 10 kg.		0.768		499.85
FR-L3486	1.19.6	10 - 15 kg.		1.120		728.95
FR-L3487	1.19.7	15 - 20 kg.		1.429		930.06

FR-L3488	1.19.8	20 - 25 kg.		1.716		1116.86
FR-L3489	1.19.9	25 - 30 kg.		2.029		1320.57
FR-L3490	1.19.10	30 - 40 kg.		2.592		1687.00
FR-L3491	1.19.11	40 - 50 kg.		3.076		2002.01
	<b>2.</b>	<b>FIRE PROTECTION</b>				
FR-L3492	2.1.1	Scraping annually fire line to a width of 7.5 mts in Nilgiris, upper Palani, Anamalais etc.	Km	Not related to this circle		
FR-L3493	2.2.1	Scraping annually fire line to a width of 6 mts in hill areas.	Km	30.00		19525.50
FR-L3494	2.2.2	Scraping annually fire line to a width of 7.5 mts with fire tracing in plains	Km	21.52		14006.29
FR-L3495	2.4	Annual clearing to 3 meters width and fire tracing around the plantations	Km	17.46		11363.84
	<b>3.</b>	<b>DEMARCATIION</b>				
FR-L3496	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc., to a width of 6 mts.	Km	21.00		13667.85
FR-L3497	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and compass survey)	100 Mts.	0.31		201.76
FR-L3498	3.5.1	Demarcation by planting with boundary stone pillars of 0.15m x 0.15m x 1.8m size excluding the cost of stones but including transport from road site to field & head load transport from unloading point to planting site upto 5km	Each stone	P.W.D. Rate		
FR-L3499	3.5.2	For every additional km. Beyond 5km .limited to 50 km including initial lead.	Each stone	P.W.D. Rate		
	3.6.1	Planting of boundary stone pillars of 0.15mx0.15mx0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations, where the lead from unloading point to planting site				
FR-L3500		(i) Upto 5 km	Each stone	P.W.D. Rate		
FR-L3501		(ii) For every additional km	Each stone	P.W.D. Rate		

FR-L3502	3.7	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base	Each	1.00		650.85
	4.	<b>NURSERY OPERATIONS</b>				
FR-L3503	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size	200 sq. mt. (for 10 standard beds)	2.42		1575.06
FR-L3504	4.2	Formation of germination bed of size 10 x 1.0 x 0.30 m	One bed	FSR 1986-87		0.00
FR-L3505	4.4	Formation of trenches of size 10 m length 1 m width and 0.30 m/0.45 m depth, burying mud pots in trenches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00		1301.70
FR-L3506	4.5.1	Watering the germination beds twice daily with rose can	10 beds / day	0.82		533.70
FR-L3507	4.5.2	Watering the germination beds once daily with rose can	10 beds / day	0.41		266.85
	4.6	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags, arranging bags in beds and pricking out the seedlings (Excluding cost of fertile earth and farmyard manure) <b>Note:</b> The proportion of earth and farmyard manure will be fixed by the respective Conservator of Forests for polythene container size				
FR-L3508	4.6.1	8 x 15 cm	1000 bags	3.05		1985.09
FR-L3509	4.6.2	10 x 15 cm	1000 bags	3.28		2134.79
FR-L3510	4.6.3	10 x 20 cm	1000 bags	3.53		2297.50
FR-L3511	4.6.4	13 x 25 cm	1000 bags	4.48		2915.81
FR-L3512	4.6.5	16 x 30 cm	1000 bags	5.95		3872.56
FR-L3513	4.6.6	20 x 30 cm	1000 bags	7.44		4842.32
FR-L3514	4.6.7	30 x 45 cm	1000 bags	28.57		18594.78
FR-L3515	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00		24081.45
FR-L3516	4.6.9	Collection and supply of good quality of red earth including transporting upto 5km. <b>Note:</b> Minimum lead should be adopted.	M <sup>3</sup>	-		1200.00

		It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land. (The enhanced / revision of rate has been approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023)				
FR-L3517	4.6.10	Collection and supply of river sand and Silt including transport	M <sup>3</sup>	-		936.00
		It shall be applicable only when the river sand or silt is purchased from Public Works Department government depots. (The enhanced / revision of rate has been approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023)				
FR-L3518	4.6.11	Collection and supply of farmyard manure required for 1000 bags including transport	M <sup>3</sup>	-		800.00
		It shall be applicable only when the farmyard manure is purchased from private source and should not be used when same is being collected from any government land. (The enhanced / revision of rate has been approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023)				
		<b>Mix Proportion</b>	<u>Earth</u>	<u>Manure</u>	-	
FR-L3519		10 x 20 cm                      1:4	0.44M <sup>3</sup>	0.11M <sup>3</sup>		
FR-L3520		13 x 25 cm                      1:3	0.99M <sup>3</sup>	0.34M <sup>3</sup>		
FR-L3521		16 x 30 cm                      1:3	1.55M <sup>3</sup>	0.51M <sup>3</sup>		
FR-L3522		30 x 45 cm                      1:3	3.22M <sup>3</sup>	9.66M <sup>3</sup>		
	<b>4.7</b>	<b>Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the pots.</b>				
		<b>Top x Bottom x Height</b>				
FR-L3523		40 x 15 x 30 cm	100 Nos.	2.80		1822.38
FR-L3524		30 x 15 x 25 cm	100 Nos.	1.75		1138.99
FR-L3525		25 x 12 x 15 cm	100 Nos.	0.70		455.60
FR-L3526	<b>4.9</b>	Forming temporary shade pandals 10m x 1m including collection of grasses, materials, etc.,	Per pandal	1.00		650.85
	<b>4.10</b>	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m - 20m from beds)</b>				
FR-L3527	4.10.1	8 x 15 cm	1000/day	0.16		104.14
FR-L3528	4.10.2	10 x 15 cm	1000/day	0.16		104.14
FR-L3529	4.10.3	10 x 20 cm	1000/day	0.20		130.17
FR-L3530	4.10.4	13 x 25 cm	1000/day	0.23		149.70

FR-L3531	4.10.5	16 x 30 cm	1000/day	0.37		240.81
FR-L3532	4.10.6	20 x 30 cm	1000/day	0.46		299.39
FR-L3533	4.10.7	30 x 45 cm	1000/day	0.56		364.48
FR-L3534	4.10.8	35 x 50 cm	1000/day	0.86		559.73
	<b>4.11</b>	<b>Watering the container plants once a day</b>				
FR-L3535	4.11.1	8 x 15 cm	1000/day	0.080		52.07
FR-L3536	4.11.2	10 x 15 cm	1000/day	0.080		52.07
FR-L3537	4.11.3	10 x 20 cm	1000/day	0.100		65.09
FR-L3538	4.11.4	13 x 25 cm	1000/day	0.115		74.85
FR-L3539	4.11.5	16 x 30 cm	1000/day	0.185		120.41
FR-L3540	4.11.6	20 x 30 cm	1000/day	0.230		149.70
FR-L3541	4.11.7	30 x 45 cm	1000/day	0.280		182.24
FR-L3542	4.11.8	35 x 50 cm	1000/day	0.430		279.87
		<b>Note:</b> 1) Watering not to be done on rainy days 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.				
	<b>4.12</b>	<b>Watering mudpots using rose can, twice daily excluding cost of water. (Water storage pits should be dug up within 10 to 20 m from beds in the nursery)</b>				
		<b>Top x Bottom x Height</b>				
FR-L3543	4.12.1	25 x 12 x 15 cm	1000/day	0.53		344.95
FR-L3544	4.12.2	30 x 12 x 15 cm	1000/day	0.53		344.95
FR-L3545	4.12.3	30 x 15 x 25 cm	1000/day	0.75		488.14
FR-L3546	4.12.4	40 x 15 x 30 cm	1000/day	1.43		930.72
FR-L3547	4.13	Flood watering in sunken beds of 10x1m	Bed/day	0.03		19.53
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery.</b>				
		<b>Top x Bottom x Height</b>				
FR-L3548	4.14.1	25 x 12 x 15 cm	1000/shift	2.31		1503.46
FR-L3549	4.14.2	30 x 12 x 15 cm	1000/shift	2.75		1789.84
FR-L3550	4.14.3	30 x 15 x 25 cm	1000/shift	4.37		2844.21
FR-L3551	4.14.4	40 x 15 x 30 cm	1000/shift	5.53		3599.20

	<b>4.15</b>	<b>Shifting the container plants, weeding, grading and replacement of casualties in the bags</b>				
FR-L3552	4.15.1	8 x 15 cm	1000/shift	0.25		162.71
FR-L3553	4.15.2	10 x 15 cm	1000/shift	0.29		188.75
FR-L3554	4.15.3	10 x 20 cm	1000/shift	0.33		214.78
FR-L3555	4.15.4	13 x 25 cm	1000/shift	0.51		331.93
FR-L3556	4.15.5	16 x 30 cm	1000/shift	0.79		514.17
FR-L3557	4.15.6	20 x 30 cm	1000/shift	0.97		631.32
FR-L3558	4.15.7	30 x 45 cm	1000/shift	2.69		1750.79
FR-L3559	4.15.8	35 x 50 cm	1000/shift	3.77		2453.70
		<b>Note:</b> Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.				
FR-L3560	<b>4.17</b>	Land rent for nursery in private lands	40 M2(or) cent/month	--		100.00
		The enhanced / revision of rate has been approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023				
		Details of land requirement				
FR-L3561		8 x 15 = 9,000 bags/cent				
FR-L3562		10 x 20 = 6000 bags/cent				
FR-L3563		13 x 25 = 3000 bags/cent				
FR-L3564		16 x 30 = 2000 bags/cent				
	<b>4.18.4</b>	<i>Cost of water for watering the container seedlings from private well.</i>	<i>1000 bags /watering</i>	--		
FR-L3565		8 x 15 cm				-
FR-L3566		10 x 15 cm				-
FR-L3567		10 x 20 cm				-
FR-L3568		13 x 25 cm				8.50
FR-L3569		16 x 30 cm				16.00
FR-L3570		30 x 45 cm				32.00
		(The enhanced / revision of rate has been approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1 / 12739 / 2023 Dated:23-08-2023)				

FR-L3571	<b>4.21</b>	Digging water storage pit Top 3 x 3m, Bottom 2.1 x 2.1m & Depth 1 mt.	One pit	P.W.D. Rate may be followed		
	<b>5.</b>	<b>PLANTING SITE PREPARATION</b>				
	<b>5.1</b>	Ploughing the land with Tractor - Disc Plough		TAF CORN rate may be adopted		
FR-L3572	5.1.1	Once	Hec.			-
FR-L3573	5.1.2	Twice				-
	<b>5.2</b>	<b>Aligning and marking or staking excluding cost of stakes</b>				
FR-L3574	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38		898.17
FR-L3575	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38		898.17
	<b>5.3</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>				
FR-L3576	5.3.1	Non rainy season	100 Nos.	2.60		1692.21
FR-L3577	5.3.2	Rainy season	100 Nos.	2.16		1405.84
	<b>5.4</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>				
FR-L3578	5.4.1	Non rainy season	100 Nos.	2.09		1360.28
FR-L3579	5.4.2	Rainy season	100 Nos.	1.75		1138.99
	<b>5.5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and hard gravelly soil.</b>				
FR-L3580	5.5.1	Non rainy season	100 Nos.	4.70		3059.00
FR-L3581	5.5.2	Rainy season	100 Nos.	3.92		2551.33
	<b>5.6</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>				
FR-L3582	5.6.1	Non rainy season	100 Nos.	3.87		2518.79
FR-L3583	5.6.2	Rainy season	100 Nos.	3.23		2102.25
FR-L3584	5.6.3	Digging 45 cm <sup>3</sup> pits in Ploughed area in plains. (PCCF Ref.No:TS1/23018/2010 dt:02.03.2011)	100 Nos.	1.62		1054.38
FR-L3585	<b>5.7</b>	Digging 30 cm <sup>3</sup> pits in sandy loam soil rainy season or non-rainy season	100 Nos.	1.51		982.78
FR-L3586	<b>5.8</b>	Digging 60 cm <sup>3</sup> pits in all types of soils for Avenue plantation.	100 Nos.	9.26		6026.87

FR-L3587	5.8.1	Non Rainy season	100 Nos.	9.26		6026.87
FR-L3588	5.8.2	Rainy season	100 Nos.	7.72		5024.56
	<b>5.9</b>	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos.	(25% of item 5.4)		
FR-L3589		Non Rainy season		0.52		338.44
FR-L3590		Rainy season		0.44		286.37
	<b>5.11</b>	<b>Loading and unloading polybag container plants in private /departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)</b>				
FR-L3591	5.11.1	8 x 15 cm	1000 Nos.	0.66		429.56
FR-L3592	5.11.2	10 x 15 cm	1000 Nos.	0.90		585.77
FR-L3593	5.11.3	10 x 20 cm	1000 Nos.	1.08		702.92
FR-L3594	5.11.4	13 x 25 cm	1000 Nos.	1.53		995.80
FR-L3595	5.11.5	16 x 30 cm	1000 Nos.	1.79		1165.02
FR-L3596	5.11.6	20 x 30 cm	1000 Nos.	2.22		1444.89
FR-L3597	5.11.7	30 x 45 cm	1000 Nos.	3.29		2141.30
FR-L3598	5.11.8	35 x 45 cm	1000 Nos.	3.53		2297.50
	<b>5.12</b>	<b>Pots with seedlings</b>				
		<b>Top x Bottom x Height</b>				
FR-L3599	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.17		2063.19
FR-L3600	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.63		2362.59
FR-L3601	5.12.3	30 x 12 x 25 cm	1000 Nos.	5.79		3768.42
FR-L3602	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.60		4946.46
	<b>5.13</b>	<b>Transporting of polythene container seedlings by head loads in the places where approach roads are not available to take vehicles to planting site.</b>				
	5.13.1	Distance upto 200 mts.				
		<b>(i) Hills/hillocks</b>				
FR-L3603		30 x 45 cm	1000 Nos.	15.00		9762.75
FR-L3604		35 x 50 cm	1000 Nos.	21.00		13667.85
		<b>(ii). Plains</b>				
FR-L3605		30 x 45 cm	1000 Nos.	11.00		7159.35
FR-L3606		35 x 50 cm	1000 Nos.	12.50		8135.63
	5.13.2	Distance upto 0.5 km.				

		<b>(i). Hills/hillocks</b>				
FR-L3607		8 x 15 cm	1000 Nos.	2.17		1412.34
FR-L3608		10 x 15 cm	1000 Nos.	2.74		1783.33
FR-L3609		10 x 20 cm	1000 Nos.	3.65		2375.60
FR-L3610		13 x 25 cm	1000 Nos.	5.98		3892.08
FR-L3611		16 x 30 cm	1000 Nos.	8.70		5662.40
FR-L3612		20 x 30 cm	1000 Nos.	10.87		7074.74
FR-L3613		30 x 45 cm	1000 Nos.	34.00		22128.90
FR-L3614		35 x 50 cm	1000 Nos.	54.00		35145.90
		<b>(ii). Plains (60% of the above except for last 2 items)</b>				
FR-L3615		8 x 15 cm	1000 Nos.	1.30		846.11
FR-L3616		10 x 15 cm	1000 Nos.	1.64		1067.39
FR-L3617		10 x 20 cm	1000 Nos.	2.19		1425.36
FR-L3618		13 x 25 cm	1000 Nos.	3.59		2336.55
FR-L3619		16 x 30 cm	1000 Nos.	5.22		3397.44
FR-L3620		20 x 30 cm	1000 Nos.	6.52		4243.54
FR-L3621		30 x 45 cm	1000 Nos.	30.00		19525.50
FR-L3622		35 x 50 cm	1000 Nos.	40.00		26034.00
	5.13.3	Distance upto 1 km.				
		<b>(i). Hills/hillocks</b>				
FR-L3623		8 x 15 cm	1000 Nos.	2.57		1672.68
FR-L3624		10 x 15 cm	1000 Nos.	3.22		2095.74
FR-L3625		10 x 20 cm	1000 Nos.	4.30		2798.66
FR-L3626		13 x 25 cm	1000 Nos.	6.97		4536.42
FR-L3627		16 x 30 cm	1000 Nos.	10.00		6508.50
FR-L3628		20 x 30 cm	1000 Nos.	12.61		8207.22
FR-L3629		30 x 45 cm	1000 Nos.	70.00		45559.50
FR-L3630		35 x 50 cm	1000 Nos.	99.00		64434.15
		<b>(ii). Plains (60% of the above except for last 2 items)</b>				
FR-L3631		8 x 15 cm	1000 Nos.	1.54		1002.31
FR-L3632		10 x 15 cm	1000 Nos.	1.93		1256.14

FR-L3633		10 x 20 cm	1000 Nos.	2.58		1679.19
FR-L3634		13 x 25 cm	1000 Nos.	4.18		2720.55
FR-L3635		16 x 30 cm	1000 Nos.	6.00		3905.10
FR-L3636		20 x 30 cm	1000 Nos.	7.57		4926.93
FR-L3637		30 x 45 cm	1000 Nos.	61.00		39701.85
FR-L3638		35 x 50 cm	1000 Nos.	85.00		55322.25
	<b>5.14</b>	<b>Potted seedlings</b>				
	5.14.1	Distance upto 0.50 km				
		<b>(i). Hills/hillocks</b>				
FR-L3639		25 x 12 x 15 cm	100 Nos.	1.25		813.56
FR-L3640		30 x 12 x 15 cm	100 Nos.	1.50		976.28
FR-L3641		30 x 15 x 25 cm	100 Nos.	3.14		2043.67
FR-L3642		40 x 15 x 30 cm	100 Nos.	5.02		3267.27
	5.14.1	<b>(ii). Plains</b>				
FR-L3643		25 x 12 x 15 cm	100 Nos.	0.61		397.02
FR-L3644		30 x 12 x 15 cm	100 Nos.	0.73		475.12
FR-L3645		30 x 15 x 25 cm	100 Nos.	1.53		995.80
FR-L3646		40 x 15 x 30 cm	100 Nos.	2.45		1594.58
	5.14.2	Distance upto 1 km				
		<b>(i). Hills/hillocks</b>				
FR-L3647		25 x 12 x 15 cm	100 Nos.	4.09		2661.98
FR-L3648		30 x 12 x 15 cm	100 Nos.	4.89		3182.66
FR-L3649		30 x 15 x 25 cm	100 Nos.	10.24		6664.70
FR-L3650		40 x 15 x 30 cm	100 Nos.	17.83		11604.66
		<b>(ii). Plains</b>				
FR-L3651		25 x 12 x 15 cm	100 Nos.	1.43		930.72
FR-L3652		30 x 12 x 15 cm	100 Nos.	1.70		1106.45
FR-L3653		30 x 15 x 25 cm	100 Nos.	3.60		2343.06
FR-L3654		40 x 15 x 30 cm	100 Nos.	5.65		3677.30

	<b>5.15</b>	<b>Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is</b>				
	5.15.1	<b>Upto 100 m.</b>				
FR-L3655		8 x 15 cm	1000 Nos.	0.38		247.32
FR-L3656		10 x 15 cm	1000 Nos.	0.38		247.32
FR-L3657		10 x 20 cm	1000 Nos.	0.88		572.75
FR-L3658		13 x 25 cm	1000 Nos.	1.69		1099.94
FR-L3659		16 x 30 cm	1000 Nos.	3.13		2037.16
FR-L3660		20 x 30 cm	1000 Nos.	3.89		2531.81
FR-L3661		30 x 45 cm	1000 Nos.	10.00		6508.50
FR-L3662		35 x 50 cm	1000 Nos.	17.00		11064.45
	5.15.2	<b>Upto 200 m.</b>				
FR-L3663		8 x 15 cm	1000 Nos.	0.75		488.14
FR-L3664		10 x 15 cm	1000 Nos.	0.75		488.14
FR-L3665		10 x 20 cm	1000 Nos.	1.50		976.28
FR-L3666		13 x 25 cm	1000 Nos.	2.25		1464.41
FR-L3667		16 x 30 cm	1000 Nos.	4.66		3032.96
FR-L3668		20 x 30 cm	1000 Nos.	5.83		3794.46
FR-L3669		30 x 45 cm	1000 Nos.	17.50		11389.88
FR-L3670		35 x 50 cm	1000 Nos.	26.50		17247.53
	5.15.3	<b>Upto 500 m.</b>				
FR-L3671		8 x 15 cm	1000 Nos.	1.44		937.22
FR-L3672		10 x 15 cm	1000 Nos.	1.44		937.22
FR-L3673		10 x 20 cm	1000 Nos.	2.75		1789.84
FR-L3674		13 x 25 cm	1000 Nos.	4.54		2954.86
FR-L3675		16 x 30 cm	1000 Nos.	8.22		5349.99
FR-L3676		20 x 30 cm	1000 Nos.	10.13		6593.11
FR-L3677		30 x 45 cm	1000 Nos.	41.00		26684.85
FR-L3678		35 x 50 cm	1000 Nos.	51.00		33193.35

	5.15.4	<b>Upto 1000 m.</b>				
FR-L3679		8 x 15 cm	1000 Nos.	1.81		1178.04
FR-L3680		10 x 15 cm	1000 Nos.	1.81		1178.04
FR-L3681		10 x 20 cm	1000 Nos.	3.79		2466.72
FR-L3682		13 x 25 cm	1000 Nos.	6.68		4347.68
FR-L3683		16 x 30 cm	1000 Nos.	10.73		6983.62
FR-L3684		20 x 30 cm	1000 Nos.	13.26		8630.27
FR-L3685		30 x 45 cm	1000 Nos.	67.00		43606.95
FR-L3686		35 x 50 cm	1000 Nos.	81.00		52718.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>				
	5.16.1	<b>Upto 100 m.</b>				
FR-L3687		8 x 15 cm	1000 Nos.	0.75		488.14
FR-L3688		10 x 15 cm	1000 Nos.	0.75		488.14
FR-L3689		10 x 20 cm	1000 Nos.	1.34		872.14
FR-L3690		13 x 25 cm	1000 Nos.	2.88		1874.45
FR-L3691		16 x 30 cm	1000 Nos.	6.00		3905.10
FR-L3692		20 x 30 cm	1000 Nos.	7.48		4868.36
FR-L3693		30 x 45 cm	1000 Nos.	18.00		11715.30
FR-L3694		35 x 50 cm	1000 Nos.	24.50		15945.83
	5.16.2	<b>Upto 200 m.</b>				
FR-L3695		8 x 15 cm	1000 Nos.	1.13		735.46
FR-L3696		10 x 15 cm	1000 Nos.	1.13		735.46
FR-L3697		10 x 20 cm	1000 Nos.	1.74		1132.48
FR-L3698		13 x 25 cm	1000 Nos.	4.64		3019.94
FR-L3699		16 x 30 cm	1000 Nos.	8.51		5538.73
FR-L3700		20 x 30 cm	1000 Nos.	10.43		6788.37
FR-L3701		30 x 45 cm	1000 Nos.	30.00		19525.50
FR-L3702		35 x 50 cm	1000 Nos.	37.00		24081.45
	5.16.3	<b>Upto 500 m.</b>				
FR-L3703		8 x 15 cm	1000 Nos.	1.75		1138.99
FR-L3704		10 x 15 cm	1000 Nos.	1.75		1138.99

FR-L3705		10 x 20 cm	1000 Nos.	3.71		2414.65
FR-L3706		13 x 25 cm	1000 Nos.	6.96		4529.92
FR-L3707		16 x 30 cm	1000 Nos.	13.31		8662.81
FR-L3708		20 x 30 cm	1000 Nos.	16.74		10895.23
FR-L3709		30 x 45 cm	1000 Nos.	52.50		34169.63
FR-L3710		35 x 50 cm	1000 Nos.	67.00		43606.95
	5.16.4	<b>Upto 1000 m.</b>				
FR-L3711		8 x 15 cm	1000 Nos.	2.50		1627.13
FR-L3712		10 x 15 cm	1000 Nos.	2.50		1627.13
FR-L3713		10 x 20 cm	1000 Nos.	4.68		3045.98
FR-L3714		13 x 25 cm	1000 Nos.	9.66		6287.21
FR-L3715		16 x 30 cm	1000 Nos.	17.38		11311.77
FR-L3716		20 x 30 cm	1000 Nos.	21.74		14149.48
FR-L3717		30 x 45 cm	1000 Nos.	76.00		49464.60
FR-L3718		35 x 50 cm	1000 Nos.	97.00		63132.45
	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is</b>				
	5.17.1	Upto 100m				
FR-L3719		30 x 15 x 25 cm	100 Nos.	0.62		403.53
	5.17.2	Upto 200m				
FR-L3720		30 x 15 x 25 cm	100 Nos.	1.19		774.51
	5.17.3	Upto 500m				
FR-L3721		30 x 15 x 25 cm	100 Nos.	1.71		1112.95
	5.17.4	Upto 1000m				
FR-L3722		30 x 15 x 25 cm	100 Nos.	3.28		2134.79
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>				
	5.18.1	Upto 100m				
FR-L3723		25 x 12 x 15 cm	100 Nos.	0.88		572.75
FR-L3724		30 x 15 x 25 cm	100 Nos.	1.50		976.28
	5.18.2	Upto 200m				
FR-L3725		25 x 12 x 15 cm	100 Nos.	1.73		1125.97

FR-L3726		30 x 15 x 25 cm	100 Nos.	2.81		1828.89
	5.18.3	Upto 500m				
FR-L3727		25 x 12 x 15 cm	100 Nos.	3.25		2115.26
FR-L3728		30 x 15 x 25 cm	100 Nos.	5.18		3371.40
	5.18.4	Upto 1000m				
FR-L3729		25 x 12 x 15 cm	100 Nos.	5.40		3514.59
FR-L3730		30 x 15 x 25 cm	100 Nos.	8.88		5779.55
FR-L3731	<b>5.20</b>	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.70		455.60
FR-L3732	<b>5.21</b>	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15		748.48
FR-L3733	<b>5.22</b>	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71		1112.95
FR-L3734	<b>5.23</b>	Replacement casualty by reopening the failed pits and planting the seedlings. (excluding the cost of transport and distribution of seedlings)	100 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.		
FR-L3735	<b>5.24</b>	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks. ( <b>Note:</b> Whether done for first time or second time, the same rate).	100 Nos.	1.23		800.55
FR-L3736	<b>5.25</b>	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88		1874.45
FR-L3737	<b>5.26</b>	Forming catch water drains for each plant of 90x45x30 cm size in hillocks and hard gravelly soil	100 Nos.	6.84		4451.81
FR-L3738	<b>5.27</b>	Removing/scrapping vizal mansion or bothai grass for one meter dia around the plants	100 Nos.	0.21		136.68

FR-L3739	<b>5.36</b>	Kiluvai fencing around the tamarind plants to a dia of 1m and height of 1m.	1 No.	0.80		520.68
FR-L3740	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones if available or semi circular bund as per the site conditions.			This item is disallowed as per the PCCF's Ref. No. F1/11175/1997, dt:06.03.1997.	
		<b>Note:</b> This item of work should not be carried out for the plants for which catch water drains or semi circular bunds are formed.				
FR-L3741	<b>5.43</b>	Heaping the debris and burning	Ha.	2.00		1301.70
FR-L3742		a). Broadcast sowing of seeds of local leguminous species	Ha.	-		65.00
FR-L3743		b). Planting vegetative propagated cutting including cost and collection	each	-		3.80
FR-L3744		c). Protection charges watch and ward	1000 Nos.	-		80.00
	<b>6.</b>	<b>TEAK</b>				
FR-L3745	6.2	Preparation of teak stumps	1000 Nos.	6.00		3905.10
FR-L3746	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00		5206.80
FR-L3747	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.00		6508.50
	<b>7</b>	<b>CASUARINA PLANT</b>				
FR-L3748	7.1.1	Digging wells in plantations sites including provision of herbs (side support to protect falling of earth or silting (4m at top, 1 m bottom 2m depth)	Each	PWD rate		
FR-L3749	7.1.2	Maintenance of well in casuarinas plantation areas.	1 No.	0.40		260.34
FR-L3750	<b>7.7</b>	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33		865.63

	<b>9.</b>	<b>TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L3751	9.15.1	Felling, billeting and stacking of fire wood departmentally into billets in 1 m long arranging in stacks of 2 m length 1 m wide and 1m height. Hardwood (Babul another Acacia, Casuarinas etc.)	Tonne	2.41	1568.55
FR-L3752	9.15.2	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	722.44
FR-L3753	10.2.1	Thinning by cutting wattle trees at an escapement of 2.5x2.5m. in wattle plantations	Ha	26.00	16922.10
FR-L3754	10.2.2	Debarking the stems and collecting the wattle bark	Per tonne of the work	18.00	11715.30
FR-L3755		Digging pits of 45cm <sup>3</sup> in the ploughed lands for TCPL (Pccf's (HFF) No. TS1/23018/10 dated 02.03.11)	100 Nos	1.62	1054.38
FR-L3756	<b>11.</b>	Digging water harvesting trenches of size 5x1x0.30 m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	Each	1.445	940.48
	<b>12.</b>	<b>Removal of invasive species (Lantana camara, Eupatorium, Parthenium, etc., )</b>			
	12.1	<b>Fresh removal</b>			
FR-L3757	12.1.1	Heavy growth	Ha.	100.00	65085.00
FR-L3758	12.1.2	Medium growth	Ha.	68.97	44889.12
FR-L3759	12.1.3	Light growth	Ha.	47.62	30993.48
	<b>12.2</b>	<b>2<sup>nd</sup> year maintenance</b>			
FR-L3760	12.2.1	Heavy growth	Ha.	75.00	48813.75
FR-L3761	12.2.2	Medium growth	Ha.	45.45	29581.13
FR-L3762	12.2.3	Light growth	Ha.	35.00	22779.75

	<b>12.3</b>	<b>3<sup>rd</sup> year maintenance</b>				
FR-L3763	12.3.1	Heavy growth	Ha.	48.40		31501.14
FR-L3764	12.3.2	Medium growth	Ha.	37.50		24406.88
FR-L3765	12.3.3	Light growth	Ha.	23.95		15587.86

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III      Districts: Trichy**

Unique Code	Standard Code No.	Description of operations	Unit	Mandays required	Trichy District (Rs. 650.85 / per day)
		<b>1.SANDALWOOD OPERATIONS</b>			
	1.4	Extraction and transport of marked sandalwood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91 cms and above, marking the pits with paint, numbering of pegs, trees upto 4 mt. Height upto a distance of 2 kms.	Tree		
FR-L3766	1.4.1	0 - 15 cm	"	0.174	113.25
FR-L3767	1.4.2	15 - 30 cm	"	0.396	257.74
FR-L3768	1.4.3	30 - 45 cm	"	0.967	629.37
FR-L3769	1.4.4	45 - 60 cm	"	1.92	1249.63
FR-L3770	1.4.5	60 - 75 cm	"	3.223	2097.69
FR-L3771	1.4.6	75 - 90 cm	"	4.675	3042.72
FR-L3772	1.4.7	90 - 105 cm	"	6.476	4214.90
FR-L3773	1.4.8	105 - 120 cm	"	8.427	5484.71
FR-L3774	1.4.9	120 - 135 cm	"	10.627	6916.58
FR-L3775	1.4.10	135 - 150 cm	"	12.977	8446.08
FR-L3776	1.4.11	150 - 165 cm	"	15.476	10072.55
FR-L3777	1.4.12	165 - 180 cm	"	18.124	11796.01
	1.5	Extraction and transport by headload without rough cleaning from pitsite to forest depot after debarking upto 5 kms (For trees upto 4m height)	Tree		
FR-L3778	1.5.1	0 - 15 cm		0.308	200.46
FR-L3779	1.5.2	15 - 30 cm		0.896	583.16
FR-L3780	1.5.3	30 - 45 cm		1.667	1084.97
FR-L3781	1.5.4	45 - 60 cm		3.22	2095.74

FR-L3782	1.5.5	60 - 75 cm		5.123	3334.30
FR-L3783	1.5.6	75 - 90 cm		7.375	4800.02
FR-L3784	1.5.7	90 - 105 cm		9.976	6492.88
FR-L3785	1.5.8	105 - 120 cm		12.627	8218.28
FR-L3786	1.5.9	120 - 135 cm		15.527	10105.75
FR-L3787	1.5.10	135 - 150 cm		18.577	12090.84
FR-L3788	1.5.11	150 - 165 cm		21.776	14172.91
FR-L3789	1.5.12	165 - 180 cm		25.124	16351.96
	1.6	Extraction and transport of un-cleaned trees from pit site of forest depot by headload above 5 kms and upto 10 kms only (Trees upto 4 m height) Rate as in item 1.5 plus this rate towards transport for every additional km. may be allowed.	Tree		
FR-L3790	1.6.1	0 - 15 cm		0.04	26.03
FR-L3791	1.6.2	15 - 30 cm		0.13	84.61
FR-L3792	1.6.3	30 - 45 cm		0.22	143.19
FR-L3793	1.6.4	45 - 60 cm		0.44	286.37
FR-L3794	1.6.5	60 - 75 cm		0.70	455.60
FR-L3795	1.6.6	75 - 90 cm		1.00	650.85
FR-L3796	1.6.7	90 - 105 cm		1.34	872.14
FR-L3797	1.6.8	105 - 120 cm		1.66	1080.41
FR-L3798	1.6.9	120 - 135 cm		2.00	1301.70
FR-L3799	1.6.10	135 - 150 cm		2.234	1454.00
FR-L3800	1.6.11	150 - 165 cm		2.68	1744.28
FR-L3801	1.6.12	165 - 180 cm		3.02	1965.57
FR-L3802	1.9	Rough cleaning the un-cleaned sandalwood trees	Tonne	18.03	11734.83
FR-L3803	1.10	Final cleaning rough cleaned wood into billets, roots, cleaning chips rough weighing and adding for storage in single lock	Tonne	15.67	10198.82
	1.19	Grubbing of root classes of lateral roots obtained in kgs.	Per kg		
		Above below & upto			

FR-L3804	1.19.1	0 - 2 kg		0.128	83.31
FR-L3805	1.19.2	2 - 4 kg		0.316	205.67
FR-L3806	1.19.3	4 - 6 kg		0.474	308.50
FR-L3807	1.19.4	6 - 8 kg		0.623	405.48
FR-L3808	1.19.5	8 - 10 kg		0.768	499.85
FR-L3809	1.19.6	10 - 15 kg		1.12	728.95
FR-L3810	1.19.7	15 - 20 kg		1.429	930.06
FR-L3811	1.19.8	20 - 25 kg		1.716	1116.86
FR-L3812	1.19.9	25 - 30 kg		2.029	1320.57
FR-L3813	1.19.10	30 - 40 kg		2.592	1687.00
FR-L3814	1.19.11	40 - 50 kg		3.076	2002.01
	-	<b>2.FIRE PROTECTION</b>			
FR-L3815	2.1.1	Scraping annually fire line to a width of 7.5 meters in Nilgiris, upper Palanis, Anamalais etc.	KM	32.47	21133.10
FR-L3816	2.2.1	Scraping annually fire line to a width of 6 meters in hill areas	KM	30.00	19525.50
FR-L3817	2.2.2	Scraping annually fire line to a width of 7.5 meters with fire tracing in plains	KM	21.52	14006.29
FR-L3818	2.4	Annual clearing to 3 meters width and fire tracing around the plantations	KM	17.46	11363.84
	-	<b>3.DEMARCATION</b>			
FR-L3819	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc. to a width of 6 meters.	100 meters	21.00	13667.85
FR-L3820	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and Compass survey)	100 meters	0.31	201.76
FR-L3821	3.5.1	Demarcation by planting with boundary stone pillars of 0.15 m x 0.15 m x 1.8 m size excluding the cost of stones but including transport from road site to field and headload transport from unloading point to planting site upto 5 kms.	Each stone	P.W.D rate	
FR-L3822	3.5.2	For every additional km beyond 5 km. limited to 50 km. Including initial lead.	Each stone	P.W.D rate	

		Planting of boundary stone pillars of 0.15 m x 0.15 m x 0.90 m (excluding cost of stone) stone pillars to be planted in pits of size 30 cm x 30 cm x 45 cm for demarcation of plantations, where the lead from unloading point to planting site is			
FR-L3823	3.6.1	I) Upto 5 km	Each	P.W.D rate	
FR-L3824		ii) For every additional km	Each	P.W.D rate	
FR-L3825	3.7	Replanting of fallen R.F boundary stone including repairing the R.R dry paacking base	Each	1.00	650.85
		<b>4.NURSERY OPERATIONS</b>			
FR-L3826	4.1	Preparation of nursery site by clearing and levelling the site for forming ten standard beds of 10 m x 1 m size.	200 sq.mt (for 10 standard beds)	2.42	1575.06
FR-L3827	4.4	Formation of trenches of size 10 m length 1 m width and 0.30 m / 0.45 m depth, burying mud pots in trenches and filling sand to a thickness of 0.075 m as bottom and top layers and between the pots.	One trench	2.00	1301.70
FR-L3828	4.5.1	Watering the germination beds twice daily with rose can	10 beds/day	0.82	533.70
FR-L3829	4.5.2	Watering the germination beds once daily with rose can	10 beds/day	0.41	266.85
	4.6	<p>Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in ploythene bags arranging bags in beds and pricking out the seedlings. (Excluding cost of earth and farmyard manure)</p> <p><u>Polythene bags required for raising seedlings</u></p> <p>P.C.C.F's TAP1/46053/99 dt. 12.7.99</p> <p>(a) To be maintained in the nursery  upto 6months - 13 x 25 x 200 g  more then 6 months 16 x 30 x 300 g</p> <p>For any deviation of size / thickness, prior permission of respective Chief Conservator of Forests is necessary.</p> <p><b>Note:-</b></p> <p>The proportion of fertile earth and farmyard manure will be fixed by the respective Conservator of Forests.</p> <p>For polythene containers of size.</p>			
FR-L3830	4.6.1	8 x 15 cm	1000 bags	3.05	1985.09
FR-L3831	4.6.2	10 x 15 cm	1000 bags	3.28	2134.79
FR-L3832	4.6.3	10 x 20 cm	1000 bags	3.53	2297.50

FR-L3833	4.6.4	13 x 25 cm	1000 bags	4.48	2915.81
FR-L3834	4.6.5	16 x 30 cm	1000 bags	5.95	3872.56
FR-L3835	4.6.6	20 x 30 cm	1000 bags	7.44	4842.32
FR-L3836	4.6.7	30 x 45 cm	1000 bags	28.57	18594.78
FR-L3837	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	24081.45
FR-L3838	4.6.9	Collection and supply of good quality of red earth including transporting upto 5km. <b>Note:</b> Minimum lead should be adopted.	M <sup>3</sup>	-	1200.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 dated: 23.08.2023. It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
FR-L3839	4.6.10	Collection and supply of river sand and silt including transport. <b>Note:</b> Minimum lead should be adopted.	M <sup>3</sup>	P.W.D.SSR Rate	936.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai proceeding Ref.No.TS1/12739/2023 Dated: 23.08.2023. It shall be applicable only when the river sand or silt is purchased from public works Department government depots.			
FR-L3840	4.6.11	Collection and supply of farmyard manure including transport.	M <sup>3</sup>	As per proposals	800.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 dated: 23.08.2023. It shall be applicable only when the farmyard manure is purchased from private source and should not be used when same is being collected from any government land.			
	<b>4.7</b>	<b>Filling in mud pots with good earth and farm yard manure, (excluding cost of transport and cost of farmyard manure) and pricking out seedlings in the pots.</b>			
		Top x Bottom x Height			
FR-L3841		40 x 15 x 30 cm	100Nos.	2.80	1822.38
FR-L3842		30 x 15 x 25 cm	100Nos.	1.75	1138.99
FR-L3843		25 x 12 x 15 cm	100Nos.	0.70	455.60
FR-L3844	4.9	Forming temporary shade pandals 10 m x 1 m including collection of materials etc. complete.	per PANDAL	1	650.85
	<b>4.10</b>	<b>Watering the container plants twice daily with rose can</b>			
FR-L3845	4.10.1	8 x 15 cm	1000/day	0.16	104.14

FR-L3846	4.10.2	10 x 15 cm	1000/day	0.16	104.14
FR-L3847	4.10.3	10 x 20 cm	1000/day	0.20	130.17
FR-L3848	4.10.4	13 x 25 cm	1000/day	0.23	149.70
FR-L3849	4.10.5	16 x 30 cm	1000/day	0.37	240.81
FR-L3850	4.10.6	20 x 30 cm	1000/day	0.46	299.39
FR-L3851	4.10.7	30 x 45 cm	1000/day	0.56	364.48
FR-L3852	4.10.8	35 x 50 cm	1000/day	0.86	559.73
	<b>4.11</b>	<b>Watering the container plants once daily</b>			
FR-L3853	4.11.1	8 x 15 cm	1000/day	0.080	52.07
FR-L3854	4.11.2	10 x 15 cm	1000/day	0.080	52.07
FR-L3855	4.11.3	10 x 20 cm	1000/day	0.100	65.09
FR-L3856	4.11.4	13 x 25 cm	1000/day	0.115	74.85
FR-L3857	4.11.5	16 x 30 cm	1000/day	0.185	120.41
FR-L3858	4.11.6	20 x 30 cm	1000/day	0.230	149.70
FR-L3859	4.11.7	30 x 45 cm	1000/day	0.280	182.24
FR-L3860	4.11.8	35 x 50 cm	1000/day	0.430	279.87
		Note: 1) Watering not to be done on rainy days 2) Watering regime fixed by the PCCF/CCF/CF for each Circle should be followed.			
	<b>4.12</b>	<b>Watering mud pots using rose can, twice daily excluding cost of water (Water storage pits should be dug up with in 10 to 20 M from beds in nursery)</b>			
		Top x Bottom x Height			
FR-L3861	4.12.1	25 x 12 x 15 cm	1000/day	0.53	344.95
FR-L3862	4.12.2	30 x 12 x 15 cm	1000/day	0.53	344.95
FR-L3863	4.12.3	30 x 15 x 25 cm	1000/day	0.75	488.14
FR-L3864	4.12.4	40 x 15 x 30 cm	1000/day	1.43	930.72
FR-L3865	4.13	Flood watering in sunken beds of 10 m x 1 m	Bed/day	0.03	19.53
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
		Top x Bottom x Height			
FR-L3866	4.14.1	25 x 12 x 15 cm	1000/shift	2.31	1503.46

FR-L3867	4.14.2	30 x 12 x 15 cm	1000/shift	2.75	1789.84
FR-L3868	4.14.3	30 x 15 x 25 cm	1000/shift	4.37	2844.21
FR-L3869	4.14.4	40 x 15 x 30 cm	1000/shift	5.53	3599.20
	<b>4.15</b>	<b>Shifting the container plants weeding, grading and replacement of casualities in the bags.</b>			
FR-L3870	4.15.1	8 x 15 cm	1000/shift	0.25	162.71
FR-L3871	4.15.2	10 x 15 cm	1000/shift	0.29	188.75
FR-L3872	4.15.3	10 x 20 cm	1000/shift	0.33	214.78
FR-L3873	4.15.4	13 x 25 cm	1000/shift	0.51	331.93
FR-L3874	4.15.5	16 x 30 cm	1000/shift	0.79	514.17
FR-L3875	4.15.6	20 x 30 cm	1000/shift	0.97	631.32
FR-L3876	4.15.7	30 x 45 cm	1000/shift	2.69	1750.79
FR-L3877	4.15.8	35 x 50 cm	1000/shift	3.77	2453.70
		<b>Note</b> : Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			
	4.17	Land rent for nursery in private lands.	40 M2 (or) Cent/month	Addenda 4-17/FSR1	100.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 Dated: 23.08.2023.			
		Details of land requirement			
FR-L3878		8x15= 9,000 bags/cent			
FR-L3879		10x20= 6,000 bags/cent			
FR-L3880		13x25= 3,000 bags/cent			
FR-L3881	16x30= 2,000 bags/cent				
	4.18	Cost of water for watering the container seedlings from private well.	1000 bags/ watering		
FR-L3882		8x15 cm			-
FR-L3883		10x15cm			-
FR-L3884		10x20cm			-
FR-L3885		13x25 cm			8.50
FR-L3886		16x30 cm			16.00
FR-L3887		30x45 cm			32.00

		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai Proceeding Ref.No.TS1/12739/2023 Dated: 23.08.2023.			
		<b>5. PLANTING OPERATION</b>			
FR-L3888	5.1	Ploughing the land with tractor - Disc plough	Hec.	TAFORN rate may be adopted	
FR-L3889	5.1.1	Once		--	
FR-L3890	5.1.2	Twice		--	
	<b>5.2</b>	<b>Aligning and marking or stacking excluding cost of stacks</b>			
FR-L3891	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	898.17
FR-L3892	5.2.4	Aligning for strip plantations including avenues	1000 Nos.	1.38	898.17
	<b>5.3</b>	<b>Digging 30 cm 3 pits in hillocks and hard gravelly soil</b>			
FR-L3893	5.3.1	Non rainy season	100 Nos.	2.60	1692.21
FR-L3894	5.3.2	Rainy season	100 Nos.	2.16	1405.84
	<b>5.4</b>	<b>Digging 30 cm 3 pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L3895	5.4.1	Non rainy season	100 Nos.	2.09	1360.28
FR-L3896	5.4.2	Rainy season	100 Nos.	1.75	1138.99
	<b>5.5</b>	<b>Digging 45 cm 3 pits in hillocks and hard gravelly soil</b>			
FR-L3897	5.5.1	Non rainy season	100 No.s	4.70	3059.00
FR-L3898	5.5.2	Rainy season	100 No.s	3.92	2551.33
	<b>5.6</b>	<b>Digging 45 cm 3 pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L3899	5.6.1	Non rainy season	100 No.s	3.87	2518.79
FR-L3900	5.6.2	Rainy season	100 No.s	3.23	2102.25
FR-L3901	5.7	Digging 30 cm 3 pits in sandy loam soil Rainy season or non-rainy season	100 No.s	1.51	982.78
	<b>5.8</b>	<b>Digging 60 cm 3 pits in a ll types of soils for avenue plantation</b>			
FR-L3902	5.8.1	Non rainy season	100 No.s	9.26	6026.87
FR-L3903	5.8.2	Rainy season	100 No.s	7.72	5024.56
	<b>5.9</b>	<b>Digging 30 cm 3 pits in Ploughed area - plains</b>			
FR-L3904	5.9.1	Non rainy season	100 No.s	0.52	338.44
FR-L3905	5.9.2	Rainy season	100 No.s	0.44	286.37

	<b>5.11</b>	<b>Loading and unloading polybag container plants in private/departmental vehicles upto a lead of 2 km (excluding hire charges for the vehicles)</b>			
FR-L3906	5.11.1	8 x 15 cm	1000 Nos.	0.66	429.56
FR-L3907	5.11.2	10 x 15 cm	"	0.90	585.77
FR-L3908	5.11.3	10 x 20 cm	"	1.08	702.92
FR-L3909	5.11.4	13 x 25 cm	"	1.53	995.80
FR-L3910	5.11.5	16 x 30 cm	"	1.79	1165.02
FR-L3911	5.11.6	20 x 30 cm	"	2.22	1444.89
FR-L3912	5.11.7	30 x 45 cm	"	3.29	2141.30
FR-L3913	5.11.8	35 x 50 cm	"	3.53	2297.50
	<b>5.12</b>	<b>Potted seedlings</b>			
		Top x Bottom x Height			
FR-L3914	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.17	2063.19
FR-L3915	5.12.2	30 x 12 x 15 cm	"	3.63	2362.59
FR-L3916	5.12.3	30 x 15 x 25 cm	"	5.79	3768.42
FR-L3917	5.12.4	40 x 15 x 30 cm	"	7.60	4946.46
	<b>5.13</b>	<b>Transporting of ploythene container seedlings by headloads in the places where approach roads are not available to take vehicles to planting site.</b>			
	5.13.1	Distance upto 200 Mts.			
		<b>I) Hills/hillocks</b>			
FR-L3918		30 x 45 cm	1000 Nos.	15.00	9762.75
FR-L3919		35 x 50 cm	1000 Nos.	21.00	13667.85
		<b>ii) Plains</b>			
FR-L3920		30 x 45 cm	1000 Nos.	11.00	7159.35
FR-L3921		35 x 50 cm	1000 Nos.	12.50	8135.63
	5.13.2	Distance upto 0.5 km			
		<b>I) Hills/hillocks</b>			
FR-L3922		8 x 15 cm	1000 Nos.	2.17	1412.34
FR-L3923		10 x 15 cm	"	2.74	1783.33
FR-L3924		10 x 20 cm	"	3.65	2375.60
FR-L3925		13 x 25 cm	1000 Nos.	5.98	3892.08

FR-L3926		16 x 30 cm	"	8.70	5662.40
FR-L3927		20 x 30 cm	"	10.87	7074.74
FR-L3928		30 x 45 cm	"	34.00	22128.90
FR-L3929		35 x 50 cm	"	54.00	35145.90
	5.13.2	<b>ii) Plains</b>			
FR-L3930		8 x 15 cm	1000 Nos.	1.30	846.11
FR-L3931		10 x 15 cm	"	1.64	1067.39
FR-L3932		10 x 20 cm	"	2.19	1425.36
FR-L3933		13 x 25 cm	"	3.59	2336.55
FR-L3934		16 x 30 cm	"	5.22	3397.44
FR-L3935		20 x 30 cm	"	6.52	4243.54
FR-L3936		30 x 45 cm	"	30.00	19525.50
FR-L3937		35 x 50 cm	"	40.00	26034.00
	<b>5.13.3</b>	<b>Distance upto 1 km (Allowed only after appl. of CF)</b>			
		<b>I) Hills/hillocks</b>			
FR-L3938		8 x 15 cm	1000 Nos.	2.57	1672.68
FR-L3939		10 x 15 cm	"	3.22	2095.74
FR-L3940		10 x 20 cm	"	4.30	2798.66
FR-L3941		13 x 25 cm	"	6.97	4536.42
FR-L3942		16 x 30 cm	"	10.00	6508.50
FR-L3943		20 x 30 cm	"	12.61	8207.22
FR-L3944		30 x 45 cm	"	70.00	45559.50
FR-L3945		35 x 50 cm	"	99.00	64434.15
	5.13.3	<b>ii) Plains</b>			
FR-L3946		8 x 15 cm	1000 Nos.	1.54	1002.31
FR-L3947		10 x 15 cm	"	1.93	1256.14
FR-L3948		10 x 20 cm	"	2.58	1679.19
FR-L3949		13 x 25 cm	"	4.18	2720.55
FR-L3950		16 x 30 cm	"	6.00	3905.10
FR-L3951		20 x 30 cm	"	7.57	4926.93

FR-L3952		30 x 45 cm	"	61.00	39701.85
FR-L3953		35 x 50 cm	"	85.00	55322.25
	<b>5.14</b>	<b>Potted seedlings</b>			
	5.14.1	Distance upto 0.5 km			
		<b>I) Hills/hillocks</b>			
FR-L3954		25 x 12 x 15 cm	100 Nos.	1.25	813.56
FR-L3955		30 x 12 x 15 cm	"	1.50	976.28
FR-L3956		30 x 15 x 25 cm	"	3.14	2043.67
FR-L3957		40 x 15 x 30 cm	"	5.02	3267.27
		<b>ii) Plains</b>			
FR-L3958		25 x 12 x 15 cm	100 Nos.	0.61	397.02
FR-L3959		30 x 12 x 15 cm	"	0.73	475.12
FR-L3960		30 x 15 x 25 cm	"	1.53	995.80
FR-L3961		40 x 15 x 30 cm	"	2.45	1594.58
	<b>5.14.2</b>	<b>Distance upto 1 km. (Allowed only after appl. of CF)</b>			
		<b>I) Hills/hillocks</b>			
FR-L3962		25 x 12 x 15 cm	100 Nos.	4.09	2661.98
FR-L3963		30 x 12 x 15 cm	"	4.89	3182.66
FR-L3964		30 x 15 x 25 cm	"	10.24	6664.70
FR-L3965		40 x 15 x 30 cm	"	17.83	11604.66
		<b>ii) Plains</b>			
FR-L3966		25 x 12 x 15 cm	100 Nos.	1.43	930.72
FR-L3967		30 x 12 x 15 cm	"	1.70	1106.45
FR-L3968		30 x 15 x 25 cm	"	3.60	2343.06
FR-L3969		40 x 15 x 30 cm	"	5.65	3677.30
	<b>5.15</b>	<b>Distribution of ploythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is</b>			
	5.15.1	<b>Upto 100 m</b>			
FR-L3970		8 x 15 cm	1000 Nos.	0.38	247.32
FR-L3971		10 x 15 cm	"	0.38	247.32
FR-L3972		10 x 20 cm	"	0.88	572.75

FR-L3973		13 x 25 cm	"	1.69	1099.94
FR-L3974		16 x 30 cm	"	3.13	2037.16
FR-L3975		20 x 30 cm	"	3.89	2531.81
FR-L3976		30 x 45 cm	"	10.00	6508.50
FR-L3977		35 x 50 cm	"	17.00	11064.45
	5.15.2	<b>Upto 200 m</b>			
FR-L3978		8 x 15 cm	1000 Nos.	0.75	488.14
FR-L3979		10 x 15 cm	"	0.75	488.14
FR-L3980		10 x 20 cm	"	1.50	976.28
FR-L3981		13 x 25 cm	"	2.25	1464.41
FR-L3982		16 x 30 cm	"	4.66	3032.96
FR-L3983		20 x 30 cm	"	5.83	3794.46
FR-L3984		30 x 45 cm	"	17.50	11389.88
FR-L3985		35 x 50 cm	"	26.50	17247.53
	5.15.3	<b>Upto 500 m</b>			
FR-L3986		8 x 15 cm	1000 Nos.	1.44	937.22
FR-L3987		10 x 15 cm	"	1.44	937.22
FR-L3988		10 x 20 cm	"	2.75	1789.84
FR-L3989		13 x 25 cm	"	4.54	2954.86
FR-L3990		16 x 30 cm	"	8.22	5349.99
FR-L3991		20 x 30 cm	"	10.13	6593.11
FR-L3992		30 x 45 cm	"	41.00	26684.85
FR-L3993		35 x 50 cm	"	51.00	33193.35
	5.15.4	<b>Upto 1000 m. (Allowed only after appl. of CF)</b>			
FR-L3994		8 x 15 cm	1000 Nos.	1.81	1178.04
FR-L3995		10 x 15 cm	"	1.81	1178.04
FR-L3996		10 x 20 cm	"	3.79	2466.72
FR-L3997		13 x 25 cm	"	6.68	4347.68
FR-L3998		16 x 30 cm	"	10.73	6983.62
FR-L3999		20 x 30 cm	"	13.26	8630.27
FR-L4000		30 x 45 cm	"	67.00	43606.95

FR-L4001		35 x 50 cm	"	81.00	52718.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	5.16.1	<b>Upto 100 m.</b>			
FR-L4002		8 x 15 cm	1000 Nos.	0.75	488.14
FR-L4003		10 x 15 cm	"	0.75	488.14
FR-L4004		10 x 20 cm	"	1.34	872.14
FR-L4005		13 x 25 cm	"	2.88	1874.45
FR-L4006		16 x 30 cm	"	6.00	3905.10
FR-L4007		20 x 30 cm	"	7.48	4868.36
FR-L4008		30 x 45 cm	"	18.00	11715.30
FR-L4009		35 x 50 cm	"	24.50	15945.83
	5.16.2	<b>Upto 200 m.</b>			
FR-L4010		8 x 15 cm	1000 Nos.	1.13	735.46
FR-L4011		10 x 15 cm	"	1.13	735.46
FR-L4012		10 x 20 cm	"	1.74	1132.48
FR-L4013		13 x 25 cm	"	4.64	3019.94
FR-L4014		16 x 30 cm	"	8.51	5538.73
FR-L4015		20 x 30 cm	"	10.43	6788.37
FR-L4016		30 x 45 cm	"	30.00	19525.50
FR-L4017		35 x 50 cm	"	37.00	24081.45
	5.16.3	<b>Upto 500 m.</b>			
FR-L4018		8 x 15 cm	1000 Nos.	1.75	1138.99
FR-L4019		10 x 15 cm	"	1.75	1138.99
FR-L4020		10 x 20 cm	"	3.71	2414.65
FR-L4021		13 x 25 cm	"	6.96	4529.92
FR-L4022		16 x 30 cm	"	13.31	8662.81
FR-L4023		20 x 30 cm	"	16.74	10895.23
FR-L4024		30 x 45 cm	"	52.50	34169.63
FR-L4025		35 x 50 cm	"	67.00	43606.95
	5.16.4	<b>Upto 1000 m. (Allowed only after appl. of CF)</b>			
FR-L4026		8 x 15 cm	1000 Nos.	2.50	1627.13

FR-L4027		10 x 15 cm	"	2.50	1627.13
FR-L4028		10 x 20 cm	"	4.68	3045.98
FR-L4029		13 x 25 cm	"	9.66	6287.21
FR-L4030		16 x 30 cm	"	17.38	11311.77
FR-L4031		20 x 30 cm	"	21.74	14149.48
FR-L4032		30 x 45 cm	"	76.00	49464.60
FR-L4033		35 x 50 cm	"	97.00	63132.45
	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is</b>			
	5.17.1	<b>Upto 100 m.</b>			
FR-L4034		30 x 15 x 25 cm	100 Nos.	0.62	403.53
	5.17.2	<b>Upto 200 m.</b>			
FR-L4035		30 x 15 x 25 cm	100 Nos.	1.19	774.51
	5.17.3	<b>Upto 500 m.</b>			
FR-L4036		30 x 15 x 25 cm	100 Nos.	1.71	1112.95
	5.17.4	<b>Upto 1000 m. (Allowed only after appl. of CF)</b>			
FR-L4037		30 x 15 x 25 cm	100 Nos.	3.28	2134.79
	5.18	<b>In hills and hillocks where the lead is</b>			
	5.18.1	<b>Upto 100 m.</b>			
FR-L4036		25 x 12 x 15 cm	100 Nos.	0.88	572.75
FR-L4037		30 x 15 x 25 cm	100 Nos.	1.50	976.28
	5.18.2	<b>Upto 200 m.</b>			
FR-L4038		25 x 12 x 15 cm	100 Nos.	1.73	1125.97
FR-L4039		30 x 15 x 25 cm	100 Nos.	2.81	1828.89
	5.18.3	<b>Upto 500 m.</b>			
FR-L4040		25 x 12 x 15 cm	100 Nos.	3.25	2115.26
FR-L4041		30 x 15 x 25 cm	100 Nos.	5.18	3371.40
	5.18.4	<b>Upto 1000 m. (Allowed only agter appl. of CF)</b>			
FR-L4042		25 x 12 x 15 cm	100 Nos.	5.40	3514.59
FR-L4043		30 x 15 x 25 cm	100 Nos.	8.88	5779.55
FR-L4044	5.20	Planting the container plants by refilling pit of 30 cm size in plains and hillocks.	100 Nos.	0.70	455.60

FR-L4045	5.21	Planting the container plants by refilling pit of 45 cm 3 size in plains and hillocks.	100 Nos.	1.15	748.48
FR-L4046	5.22	Planting the potted seedlings in 60 cm 3 pits (excluding transport in vehilces) in avenue	100 Nos.	1.71	1112.95
FR-L4047	5.23	Replacement casualties by reopening the failed pits and planting the seedlings (exculding the cost of transport and distribution of seedlings)	100 Nos	50 % the charges for digging of the ap-prp-priate size during rainy season and the full cost of planting of the approp-riate size pits.	
FR-L4048	5.24	Scrap weeding for 1 m dia and soil working to 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil. Both in plains and hillocks.  Note :Whether done for first time or second time, the same rate.	100 Nos.	1.23	800.55
FR-L4049	5.25	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1874.45
FR-L4050	5.26	Forming caatchwater drains for each plant of 90 x 45 x 30 cm. Size in hillocks and hard gravelly soil	100 Nos.	6.84	4451.81
FR-L4051	5.27	Removing / scrapping vizal mansoon or bothai grass for one metre dla.around the plants.	100 Nos.	0.21	136.68
FR-L4052	5.36	Kiluvai fencing around the tam-arind plants to a dia of 1 m and height of 1 m.	1 No.	0.80	520.68

FR-L4053	5.41.1	Forming terrace of size 1 m. x 1 m. with an inward slop of 1:3 around every planting point and keeping earh in lower side with form a small bund supported with stones if available or semi circular bund as per the site conditions.  Note: This item of work should not be carried out for the plants for which catch water drains or semi circular bunds are formed.	<b>Disallowed</b> (PCCF ref PF / 11175/97 dt. 6.3.97)		
			each	--	
FR-L4054	5.43	Heaping the debris and burning	Ha.	2.00	1301.70
		<b>6.TEAK</b>			
FR-L4055	6.2	Preparation of teak stumps	1000 Nos.	6.00	3905.10
FR-L4056	6.4	Digging crowbar holes and planting teak stumps	1000 Nos.	8.00	5206.80
FR-L4057	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.00	6508.50
		Timber Operation (in Matured Teak Plantation / wind fallen teak trees) (Average : 0.367 m <sup>3</sup> /tree) (As per PCCF's .No. E2/227/2012/ Dated:06.02.2012)			
FR-L4058	6..5.1.	Filed Operation – Clearing the natural growth in the canal bank areas for light growth (25% of the total actual survival) around 1 M radius in each tree.	M <sup>3</sup>	0.0625	40.68
FR-L4059	6.5.2	Enumeration and blazing of trees at two places one at breast height and other at bottom.	M <sup>4</sup>	0.0285	18.55
FR-L4060	6.5.3	Girdling of trees by way of removing the bark in 30 CM.	M <sup>5</sup>	0.0625	40.68
	6.5.4	Felling the teak trees with saw of all girth upto 50 cm			0.00
FR-L4061		90 cm – 120 cm	M <sup>3</sup>	0.33	214.78
FR-L4062		121 cm – 150 cm	M <sup>3</sup>	0.50	325.43
FR-L4063		151 cm and above	M <sup>3</sup>	1.00	650.85
FR-L4064		<b>Average rate</b>	<b>M<sup>3</sup></b>		<b>397.02</b>
FR-L4065	6.5.5	Pruning the branches in the felled trees and stacking	M <sup>3</sup>	0.10	65.09
FR-L4066	6.5.6	Conversion of felled trees and numbering at both ends including removal of a strip of bark in the middle for taking middle girth.	M <sup>3</sup>	4.00	2603.40

FR-L4067	6.5.7	Dragging timber logs from felling site to road site up to a distance of 2 Km.	M <sup>3</sup>	4.00	2603.40
FR-L4068	6.5.8	Loading and unloading of timber at both ends	M <sup>3</sup>	3.00	1952.55
FR-L4069	6.5.9	Transporting of timber logs from road sides to field depot (Lumpsum rate based on lowest quotation on K.m. basis)	Lump sum		
FR-L4070	6.5.10	Cost of paint 10 ml/per tree or log (Field Operation)	Lump sum		
FR-L4071	6.5.11	Depot operation – Numbering the individual logs by paints	M <sup>3</sup>	0.019	12.37
FR-L4072	6.5.12	Cost of paint 10 m.l. per log	Lumpsum		
FR-L4073	6.5.13	Dragging the timber logs inside the depot and sorting and lotting of timber	M <sup>3</sup>	2.00	1301.70
FR-L4074	6.5.14	Day and Night watch and ward for protecting wind fallen trees and converted logs along the river to prevent form theft one person/ Time/Plantation 3 kms/ Stretch / 100 Nos for Conversed logs in canal plantations.	Mazdoor	0.02	13.02
		<b>7. CASURINA</b>			
FR-L4075	7.1.1	Digging wells in plantation sites including provision of herbs (side support to protect falling of earth or silting (4 m at top, 1 m bottom, 2m depth)	each	PWD rate	
FR-L4076	7.1.2	Maintenace of well in casuarina plantation areas	1 Nos.	0.40	260.34
	<b>7.7</b>	<b>Pot watering the casurina plants from wells within the plantation site.</b>			
FR-L4077	7.7.1	One pot water/plant	1000 Nos.	1.33	865.63
		<b>8.AGAVE</b>			
		--- NIL ---			
		<b>9. TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
	<b>9.15</b>	<b>Felling, billeting and stacking of firewood in to billets - 1 m long, arranging in stacks of 2m length, 1m. Wide and 1m. Height.</b>			
FR-L4078	9.15.1	Hardwood (Babul and other Acacia, casuarina etc.)	Tonne	2.41	1568.55
FR-L4079	9.15.2	Medium wood (Eucalyptus,wattle etc.)	Tonne	1.11	722.44

FR-L4080	10.2.1	Thinning by cutting wattle trees at an espacement of 2.5 m x 2.5 m in wattle plantations.	Ha.	26.00	16922.10
FR-L4081	10.2.2	Debarking the stems and collecting the wattle bark.	per tonne of the bark	18.00	11715.30
FR-L4082	11	Digging water harvesting trenches of size 5.00 M x 2.50 M x 0.30 M with inward slope in plains, gentle sloppy and undulating areas along the contour and forming bund with excavated earth on the lower side of the slope/trench (This rate will be applicable only for the work done manually - Measurement for trench and bund should be recorded in M.Book )	Each	1.445	940.48
	<b>12</b>	<b>Removal of invasive species ( Lantana camara, Eupatorium, Parthenium etc..)</b>			
	<b>12.1</b>	<b>Fresh removal</b>			
FR-L4083	12.1.1	Heavy growth	Ha.	100.00	65085.00
FR-L4084	12.1.2	Medium growth	Ha.	68.97	44889.12
FR-L4085	12.1.3	Light growth	Ha.	47.62	30993.48
	<b>12.2</b>	<b>2nd year maintenance</b>			
FR-L4086	12.2.1	Heavy growth	Ha.	75.00	48813.75
FR-L4087	12.2.2	Medium growth	Ha.	45.45	29581.13
FR-L4088	12.2.3	Light growth	Ha.	35.00	22779.75
	<b>12.3</b>	<b>3rd year maintenance</b>			
FR-L4089	12.3.1	Heavy growth	Ha.	48.40	31501.14
FR-L4090	12.3.2	Medium growth	Ha.	37.50	24406.88
FR-L4091	12.3.3	Light growth	Ha.	23.95	15587.86

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III      Districts: Chengalpattu**

Unique Code	Standard Code No.	Description of operations	Unit	Man-days re-quired	Chengalpattu District (Rs. 650.85 / per day)
		<b>1.SANDALWOOD OPERATIONS</b>			
	1.4.	Extraction and transport of marked sandalwood trees from extraction site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91 cms and above marking the pits with paint, numbering of pegs, trees upto 4mt.height upto a distance of 2 kms.	Tree		
FR-L4092	1.4.1.	0.15 cm		0.174	113.25
FR-L4093	1.4.2.	16-30cm		0.396	257.74
FR-L4094	1.4.3.	31-45cm		0.967	629.37
FR-L4095	1.4.4.	46-60cm		1.920	1249.63
FR-L4096	1.4.5.	61-75 cm		3.223	2097.69
FR-L4097	1.4.6.	76-90 cm		4.675	3042.72
FR-L4098	1.4.7.	91-105cm		6.476	4214.90
FR-L4099	1.4.8.	106-120cm		8.427	5484.71
FR-L4100	1.4.9.	121-135cm		10.627	6916.58
FR-L4101	1.4.10	136-150cm		12.977	8446.08
FR-L4102	1.4.11.	151-165 cm		15.476	10072.55
FR-L4103	1.4.12.	166-180 cm		18.124	11796.01
	<b>1.5.</b>	<b>Extraction and transport by headload without rough cleaning from pitsite to forest depot after debarking upto 5 kms (for trees upto 4m height)</b>			
FR-L4104	1.5.1.	0.15 cm	Tree	0.308	200.46
FR-L4105	1.5.2.	16-30cm		0.896	583.16
FR-L4106	1.5.3.	31-45cm		1.667	1084.97
FR-L4107	1.5.4.	46-60cm		3.220	2095.74
FR-L4108	1.5.5.	61-75 cm		5.123	3334.30

FR-L4109	1.5.6.	76-90 cm		7.375	4800.02
FR-L4110	1.5.7.	91-105cm		9.976	6492.88
FR-L4111	1.5.8.	106-120cm		12.627	8218.28
FR-L4112	1.5.9.	121-135cm		15.527	10105.75
FR-L4113	1.5.10	136-150cm		18.577	12090.84
FR-L4114	1.5.11.	151-165 cm		21.776	14172.91
FR-L4115	1.5.12.	166-180 cm		25.124	16351.96
	1.6	Extraction and transport of uncleaned trees from pit site to forest depot by head-load above 5 kms and upto 10 kms only (trees upto 4 mts height) Rate as in item 1.5 plus this rate towards transport for every additional km. may be allowed.	Tree		
FR-L4116	1.6.1.	0.15 cm		0.040	26.03
FR-L4117	1.6.2.	16-30cm		0.130	84.61
FR-L4118	1.6.3.	31-45cm		0.220	143.19
FR-L4119	1.6.4.	46-60cm		0.440	286.37
FR-L4120	1.6.5.	61-75 cm		0.700	455.60
FR-L4121	1.6.6.	76-90 cm		1.000	650.85
FR-L4122	1.6.7.	91-105cm		1.340	872.14
FR-L4123	1.6.8.	106-120cm		1.660	1080.41
FR-L4124	1.6.9.	121-135cm		2.000	1301.70
FR-L4125	1.6.10	136-150cm		2.234	1454.00
FR-L4126	1.6.11.	151-165 cm		2.680	1744.28
FR-L4127	1.6.12.	166-180 cm		3.020	1965.57
FR-L4128	1.9.	Rough cleaning the un-cleaned sandalwood trees.	Tonne (uncleaned wood)	18.030	11734.83
FR-L4129	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips, rough weighing and adding for storage in single lock.	Tonne (uncleaned wood)	15.670	10198.82
	1.19	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	per kg		
FR-L4130	1.19.1.	0-2 kg		0.128	83.31

FR-L4131	1.19.2.	2-4 kg		0.316	205.67
FR-L4132	1.19.3.	4-6 kg		0.474	308.50
FR-L4133	1.19.4.	6-8 kg		0.623	405.48
FR-L4134	1.19.5.	8-10 kg		0.768	499.85
FR-L4135	1.19.6.	10-15 kg		1.120	728.95
FR-L4136	1.19.7.	15-20 kg		1.429	930.06
FR-L4137	1.19.8.	20-25 kg		1.716	1116.86
FR-L4138	1.19.9.	25-30 kg		2.029	1320.57
FR-L4139	1.19.10	30-40 kg		2.592	1687.00
FR-L4140	1.19.11.	40-50 kg		3.076	2002.01
		<b>2. FIRE PROTECTION</b>			
FR-L4141	2.1.1.	Scraping annually fire line to a width of 7.5 metres in Nilgris, Upper palanis, Anamalais etc.,	KM	32.470	21133.10
FR-L4142	2.2.1	Scraping annually fire line to a width of 6 metres in Hill areas.	KM	30.000	19525.50
FR-L4143	2.2.2	Scraping annually fire line to a width of 7.5 metres with fire tracing in plains.	KM	21.520	14006.29
FR-L4144	2.4.	Annual clearing to 3 metres width and fire tracing around the plantations.	KM	17.460	11363.84
		<b>3. DEMARCATION</b>			
FR-L4145	3.2.	Demarcation of reserved forest boundary by annual clearing cutting of bushes etc., to a width of 6 metres.	100 metres	21.000	13667.85
FR-L4146	3.3.	Survey and demarcation including cutting 1m wide lines for coupes and plantations (Chain and compass survey)	100 metres	0.310	201.76
FR-L4147	3.5.1.	Demarcation by planting with boundary stone pillars of 0.15mx0.15mx1.8m size excluding the cost of stones including transport from road site to field and headload transport from unloading point to planting site upto 5 kms.	Each stone	PWD Rate	
FR-L4148	3.5.2.	For every additional km. beyond 5 km limited to 50 km. including initial lead.	Each stone	PWD Rate	

	3.6.1.	Planting of boundary stone pillars of 0.15m x 0.15m x 0.90m (excluding cost of stone) stone pillars to be planted in pits of size 30cm x 30cm x 45cm for demarcation of plantations, where the lead from unloading point to planting site is			
FR-L4149		i) upto 5 km	Each stone	PWD Rate	
FR-L4150		ii) For every additional km.	Each stone	PWD Rate	
	3.7.	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base	Each	1.000	650.85
		<b>4. NURSERY OPERATIONS</b>			
FR-L4151	4.1.	Preparation of nursery site by clearing and levelling the site for forming ten standard beds of 10m x 1m size.	200 sq.m. (for 10 Std., beds)	2.42	1575.06
FR-L4152	4.2.	Formation of germination bed of size 10m x 10m x 0.30m	One bed	-	
FR-L4153	4.4.	Formation of trenches of size 10m length 1m width and 0.30m/0.45m depth, burying mud pots in trenches and filling sand to a thickness of 0.75cm as bottom and top layers and between the pots.	One trench	2.000	1301.70
FR-L4154	4.5.1.	Watering the germination beds twice daily with rose can.	10 beds/day	0.820	533.70
FR-L4155	4.5.2.	Watering the germination beds once daily with rose can.	10 beds/day	0.410	266.85
	4.6	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings. (Excluding cost of earth and farmyard manure) Note: The proportion of fertile earth and F.Y.M. will be fixed by the respective C.Fs For Polythene containers size.			
FR-L4156	4.6.1	8 x 15 cm	1000 bags	3.050	1985.09
FR-L4157	4.6.2.	10 x 15cm	1000 bags	3.280	2134.79
FR-L4158	4.6.3.	10 x 20cm	1000 bags	3.530	2297.50
FR-L4159	4.6.4.	13 x 25cm	1000 bags	4.480	2915.81

FR-L4160	4.6.5.	16 x 30cm	1000 bags	5.950	3872.56
FR-L4161	4.6.6.	20 x 30cm	1000 bags	7.440	4842.32
FR-L4162	4.6.7.	30 x 45cm	1000 bags	28.570	18594.78
FR-L4163	4.6.8.	35 x 50 (HDPE woven bags)	1000 bags	37.000	24081.45
FR-L4164	4.6.9.	Collection and Supply of good quality of red earth including transporting upto 5 km. Note: Minimum lead should be adopted.	M <sup>3</sup>	-	1200.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai (Proceeding Ref. No.TS1/12739/2023, Dated: 23.08.2023). It shall be applicable only when the red earth is purchased from licenced private source and should not be used when red earth is being collected from any government land.			
FR-L4165	4.6.10.	Collection and supply of river sand and silt including transport	M <sup>3</sup>	PWD SSR Rate	936.00
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai (Proceeding Ref. No.TS1/12739/2023, Dated: 23.08.2023). It shall be applicable only when the river sand or silt is purchased from Public Works Department government depots.			
FR-L4166	4.6.11.	Collection and supply of farm-yard manure including transport	M <sup>3</sup>	As per proposal	800.00
	<b>4.7.</b>	<b>Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure pricking out seedlings in the pots.</b>			
		<b>Top x Bottom x Height</b>			
FR-L4167		40 x 15 x 30 cm	100 Nos.	2.800	1822.38
FR-L4168		30 x 15 x 25 cm	100 Nos.	1.750	1138.99
FR-L4169		25 x 12 x 15 cm	100 Nos.	0.700	455.60
FR-L4170	4.9	Forming temporary shade pandals 10m x 1m including collection of grasses.	per pandal	1.000	650.85
	<b>4.10.</b>	<b>Watering the container plants twice daily with rose can (Water storage pits to be dugup within 10m - 2m from beds)</b>			
FR-L4172	4.10.1	8 x 15 cm	1000/day	0.160	104.14
FR-L4173	4.10.2.	10 x 15cm	1000/day	0.160	104.14
FR-L4174	4.10.3.	10 x 20cm	1000/day	0.200	130.17
FR-L4175	4.10.4.	13 x 25cm	1000/day	0.230	149.70
FR-L4176	4.10.5.	16 x 30cm	1000/day	0.370	240.81

FR-L4177	4.10.6.	20 x 30cm		0.000	
FR-L4178	4.10.7.	30 x 45cm	1000/day	0.560	364.48
FR-L4179	4.10.8.	35 x 50 cm	1000/day	0.860	559.73
	4.11.	<b>Watering the container plants once a day</b>			
FR-L4180	4.11.1	8 x 15 cm	1000/day	0.080	52.07
FR-L4181	4.11.2.	10 x 15cm	1000/day	0.080	52.07
FR-L4182	4.11.3.	10 x 20cm	1000/day	0.100	65.09
FR-L4183	4.11.4.	13 x 25cm	1000/day	0.115	74.85
FR-L4184	4.11.5.	16 x 30cm	1000/day	0.185	120.41
FR-L4185	4.11.6.	20 x 30cm	1000/day	0.000	
FR-L4186	4.11.7.	30 x 45cm	1000/day	0.280	182.24
FR-L4187	4.11.8.	35 x 50 cm	1000/day	0.430	279.87
		<b>Note:</b> 1) Watering not to be done on rainy days. 2) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	4.12.	<b>Watering mud pots using (rose can,twice daily) excluding cost of water (water storage pits should be dug up within 10 to 20m from beds in the nursery)</b>			
		<b>Top x Bottom x Height</b>			
FR-L4188	4.12.1	25 x 12 x 15 cm	1000/day	0.530	344.95
FR-L4189	4.12.2	30 x 12 x 15 cm	1000/day	0.530	344.95
FR-L4190	4.12.3	30 x 15 x 25 cm	1000/day	0.750	488.14
FR-L4191	4.12.4	40 x 15 x 30 cm	1000/day	1.430	930.72
FR-L4192	4.13.	Flood watering in sunken beds of 10m x 1 m	Bed/day	0.030	19.53
	4.14.	<b>Shifting and grading potted seedlings in the nursery</b>			
FR-L4193	4.14.1	25 x 12 x 15 cm	1000/shift	2.310	1503.46
FR-L4194	4.14.2	30 x 12 x 15 cm	1000/shift	2.750	1789.84
FR-L4195	4.14.3	30 x 15 x 25 cm	1000/shift	4.370	2844.21
FR-L4196	4.14.4	40 x 15 x 30 cm	1000/shift	5.530	3599.20
	4.15.	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags.</b>			
FR-L4197	4.15.1	8 x 15 cm	1000/shift	0.250	162.71

FR-L4198	4.15.2.	10 x 15cm	1000/shift	0.290	188.75
FR-L4199	4.15.3.	10 x 20cm	1000/shift	0.330	214.78
FR-L4200	4.15.4.	13 x 25cm	1000/shift	0.510	331.93
FR-L4201	4.15.5.	16 x 30cm	1000/shift	0.790	514.17
FR-L4202	4.15.6.	20 x 30cm	1000/shift	0.970	631.32
FR-L4203	4.15.7.	30 x 45cm	1000/shift	2.690	1750.79
FR-L4204	4.15.8.	35 x 50 cm	1000/shift	3.770	2453.70
		Note: Shifting to be done once in 21 days. First shifting not before 45 days after pricking out.			
FR-L4205	4.17	Land rent for nursery in private land.	40 M2 or cent/ month	Addenda 4-17/ FSR	100.00
		Note: The rates allowed in item 4.17 are the maximum rates .If the local rates are lessor the same may be adopted.			
		The revision of enhanced rate approved in Principal Chief Conservator of Forests, Chennai (Proceeding Ref. No.TS1/12739/2023, Dated: 23.08.2023)			
FR-L4206		8x15 = 9,000 bags/ cent			
FR-L4207		10x15			
FR-L4208		10x20 = 6,000 bags/ cent			
FR-L4209		13x15 = 3,000 bags/ cent			
FR-L4210		16x30 = 2,000 bags/ cent			
FR-L4211		30x45 = 500 bags/ cent			
	4.18.4	Cost of Water for watering the container seedlings from private well.			
FR-L4212		8x15 cm	1000 bags/ watering		-
FR-L4213		10x15 cm			-
FR-L4214		10x20 cm			-
FR-L4215		13x25 cm			8.50
FR-L4216		16x30 cm			16.00
FR-L4217		30x45 cm			32.00

	4.21	Digging water storage pit Top 3x3m Bottom 2.1x2.1m,Depth 1mt	one pit	PWD rate may be allowed	
		<b>5.PLANTING SITE PREPARATION</b>			
	5.1.	Ploughing the land with Tractor Disc plough	Hec.		
FR-L4218	5.1.1.	Once			
FR-L4219	5.1.2.	Twice			
	<b>5.2.</b>	<b>Aligning and marking or stacking excluding cost of stacks</b>			
FR-L4220	5.2.1.	Plains and tank beds(Square and rectangular planting)	1000 Nos.	1.380	898.17
FR-L4221	5.2.4.	Aligning for strip plantations including avenues.	1000 Nos.	1.380	898.17
	<b>5.3.</b>	<b>Digging 30 cm3 pits in hillocks and hard gravell soil</b>			
FR-L4222	5.3.1.	Non rainy season	100 Nos.	2.600	1692.21
FR-L4223	5.3.2.	Rainy season	100 Nos.	2.160	1405.84
	<b>5.4.</b>	<b>Digging 30 cm3 pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L4224	5.4.1.	Non rainy season	100 Nos.	2.090	1360.28
FR-L4225	5.4.2.	Rainy season	100 Nos.	1.750	1138.99
	<b>5.5.</b>	<b>Digging 45 cm3 pits in hillocks and hard gravelly soil</b>			
FR-L4226	5.5.1.	Non rainy season	100 Nos.	4.700	3059.00
FR-L4227	5.5.2.	Rainy season	100 Nos.	3.920	2551.33
	<b>5.6.</b>	<b>Digging 45 cm3 pits in tank bed areas and plains (other than hard gravelly soil)</b>			
FR-L4228	5.6.1.	Non rainy season	100 Nos.	3.870	2518.79
FR-L4229	5.6.2.	Rainy season	100 Nos.	3.230	2102.25
FR-L4230	5.7.	Digging 30 cm3 pits in sandy loam soil Rainy season or non rainy season	100 Nos.	1.510	982.78
FR-L4231	5.8.	Digging 60 cm3 pits in all types of soils for avenue plantation.	100 Nos	9.26	6026.87
FR-L4232	5.8.1.	Non rainy season	100 Nos.	9.260	6026.87
FR-L4233	5.8.2.	Rainy season	100 Nos.	7.720	5024.56

FR-L4234	5.9.	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos. (25% of item 5.4)		
FR-L4235		Non rainy season		0.520	338.44
FR-L4236		Rainy season		0.440	286.37
	<b>5.11.</b>	<b>Loading and unloading Poly-bag container plants in private/Department vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)</b>			
FR-L4237	5.11.1.	8 x 15 cm	1000 Nos.	0.660	429.56
FR-L4238	5.11.2.	10 x 15cm	1000 Nos.	0.900	585.77
FR-L4239	5.11.3.	10 x 20cm	1000 Nos.	1.080	702.92
FR-L4240	5.11.4.	13 x 25cm	1000 Nos.	1.530	995.80
FR-L4241	5.11.5.	16 x 30cm	1000 Nos.	1.790	1165.02
FR-L4242	5.11.6.	20 x 30cm	1000 Nos.	2.220	1444.89
FR-L4243	5.11.7.	30 x 45cm	1000 Nos.	3.290	2141.30
FR-L4244	5.11.8.	35 x 50 cm	1000 Nos.	3.530	2297.50
	<b>5.12.</b>	<b>Pot with seedlings</b>			
		<b>Top x Bottom X Height</b>			
FR-L4245	5.12.1	25 x 12 x 15 cm	1000 Nos.	3.170	2063.19
FR-L4246	5.12.2	30 x 12 x 15 cm	1000 Nos.	3.630	2362.59
FR-L4247	5.12.3	30 x 15 x 25 cm	1000 Nos.	5.790	3768.42
FR-L4248	5.12.4	40 x 15 x 30 cm	1000 Nos.	7.600	4946.46
	<b>5.13.</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles to planting site.</b>			
	5.13.1.	Distance upto 200 Mts.			
		(i) Hills/hillocks			
FR-L4249		30 x 45 cm	1000 Nos.	15.000	9762.75
FR-L4250		35 x 50 cm	1000 Nos.	21.000	13667.85
		(ii) Plains			
FR-L4251		30 x 45 cm	1000 Nos.	11.000	7159.35
FR-L4252		35 x 50 cm	1000 Nos.	12.500	8135.63
	5.13.2.	Distance upto 0.5 km			

		i) Hills/Hillocks			
FR-L4253		8 x 15 cm	1000 Nos.	2.170	1412.34
FR-L4254		10 x 15 cm	1000 Nos.	2.740	1783.33
FR-L4255		10 x 20 cm	1000 Nos.	3.650	2375.60
FR-L4256		13 x 25 cm	1000 Nos.	5.980	3892.08
FR-L4257		16 x 30 cm	1000 Nos.	8.700	5662.40
FR-L4258		20 x 30 cm	1000 Nos.	10.870	7074.74
FR-L4259		30 x 45 cm	1000 Nos.	34.000	22128.90
FR-L4260		35 x 50 cm	1000 Nos.	54.000	35145.90
		ii) Plains			
FR-L4261		8 x 15 cm	1000 Nos.	1.300	846.11
FR-L4262		10 x 15 cm	1000 Nos.	1.640	1067.39
FR-L4263		10 x 20 cm	1000 Nos.	2.190	1425.36
FR-L4264		13 x 25 cm	1000 Nos.	3.590	2336.55
FR-L4265		16 x 30 cm	1000 Nos.	5.220	3397.44
FR-L4266		20 x 30 cm	1000 Nos.	6.520	4243.54
FR-L4267		30 x 45 cm	1000 Nos.	30.000	19525.50
FR-L4268		35 x 50 cm	1000 Nos.	40.000	26034.00
	5.13.3	Distance upto 1 km			
		i) Hills/hillocks			
FR-L4269		8 x 15 cm	1000 Nos.	2.570	1672.68
FR-L4270		10 x 15 cm	1000 Nos.	3.220	2095.74
FR-L4271		10 x 20 cm	1000 Nos.	4.300	2798.66
FR-L4272		13 x 25 cm	1000 Nos.	6.970	4536.42
FR-L4273		16 x 30 cm	1000 Nos.	10.000	6508.50
FR-L4274		20 x 30 cm	1000 Nos.	12.610	8207.22
FR-L4275		30 x 45 cm	1000 Nos.	70.000	45559.50
FR-L4276		35 x 50 cm	1000 Nos.	99.000	64434.15
		ii) Plains			
FR-L4277		8 x 15 cm	1000 Nos.	1.540	1002.31

FR-L4278		10 x 15 cm	1000 Nos.	1.930	1256.14
FR-L4279		10 x 20 cm	1000 Nos.	2.580	1679.19
FR-L4280		13 x 25 cm	1000 Nos.	4.180	2720.55
FR-L4281		16 x 30 cm	1000 Nos.	6.000	3905.10
FR-L4282		20 x 30 cm	1000 Nos.	7.570	4926.93
FR-L4283		30 x 45 cm	1000 Nos.	61.000	39701.85
FR-L4284		35 x 50 cm	1000 Nos.	85.000	55322.25
	<b>5.14.</b>	<b>Potted seedlings</b>			
	5.14.1.	Distance upto 0.5 km			
		i) Hills/hillocks			
FR-L4285		25 x 12 x 15 cm	100 Nos.	1.250	813.56
FR-L4286		30 x 12 x 15 cm	100 Nos.	1.500	976.28
FR-L4287		30 x 15 x 25 cm	100 Nos.	3.140	2043.67
FR-L4288		40 x 15 x 30 cm	100 Nos.	5.020	3267.27
		ii) Plains			
FR-L4289		25 x 12 x 15 cm	100 Nos.	0.610	397.02
FR-L4290		30 x 12 x 15 cm	100 Nos.	0.730	475.12
FR-L4291		30 x 15 x 25 cm	100 Nos.	1.530	995.80
FR-L4292		40 x 15 x 30 cm	100 Nos.	2.500	1627.13
	5.14.2.	Distance upto 1 km			
FR-L4293		i) Hills/hillocks			
FR-L4294		25 x 12 x 15 cm	100 Nos.	4.090	2661.98
FR-L4295		30 x 12 x 15 cm	100 Nos.	4.890	3182.66
FR-L4296		30 x 15 x 25 cm	100 Nos.	10.240	6664.70
FR-L4297		40 x 15 x 30 cm	100 Nos.	17.830	11604.66
FR-L4298		ii) Plains			
FR-L4299		25 x 12 x 15 cm	100 Nos.	1.430	930.72
FR-L4300		30 x 12 x 15 cm	100 Nos.	1.700	1106.45
FR-L4301		30 x 15 x 25 cm	100 Nos.	3.600	2343.06
FR-L4302		40 x 15 x 30 cm	100 Nos.	5.650	3677.30

	<b>5.15.</b>	<b>Distribution of polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot, in plains where the lead is</b>			
	5.15.1.	Upto 100 m.			
FR-L4303		8 x 15 cm	1000 Nos.	0.380	247.32
FR-L4304		10 x 15 cm	1000 Nos.	0.380	247.32
FR-L4305		10 x 20 cm	1000 Nos.	0.880	572.75
FR-L4306		13 x 25 cm	1000 Nos.	1.690	1099.94
FR-L4307		16 x 30 cm	1000 Nos.	3.130	2037.16
FR-L4308		20 x 30 cm	1000 Nos.	3.890	2531.81
FR-L4309		30 x 45 cm	1000 Nos.	10.000	6508.50
FR-L4310		35 x 50 cm	1000 Nos.	17.000	11064.45
	5.15.2.	Upto 200 m			
FR-L4311		8 x 15 cm	1000 Nos.	0.750	488.14
FR-L4312		10 x 15 cm	1000 Nos.	0.750	488.14
FR-L4313		10 x 20 cm	1000 Nos.	1.500	976.28
FR-L4314		13 x 25 cm	1000 Nos.	2.250	1464.41
FR-L4315		16 x 30 cm	1000 Nos.	4.660	3032.96
FR-L4316		20 x 30 cm	1000 Nos.	5.830	3794.46
FR-L4317		30 x 45 cm	1000 Nos.	17.500	11389.88
FR-L4318		35 x 50 cm	1000 Nos.	26.500	17247.53
	5.15.3.	Upto 500 m			
FR-L4319		8 x 15 cm	1000 Nos.	1.440	937.22
FR-L4320		10 x 15 cm	1000 Nos.	1.440	937.22
FR-L4321		10 x 20 cm	1000 Nos.	2.750	1789.84
FR-L4322		13 x 25 cm	1000 Nos.	4.540	2954.86
FR-L4323		16 x 30 cm	1000 Nos.	8.220	5349.99
FR-L4324		20 x 30 cm	1000 Nos.	10.130	6593.11
FR-L4325		30 x 45 cm	1000 Nos.	41.000	26684.85
FR-L4326		35 x 50 cm	1000 Nos.	51.000	33193.35

	5.15.4.	Upto 1000 m			
FR-L4327		8 x 15 cm	1000 Nos.	1.810	1178.04
FR-L4328		10 x 15 cm	1000 Nos.	1.810	1178.04
FR-L4329		10 x 20 cm	1000 Nos.	3.790	2466.72
FR-L4330		13 x 25 cm	1000 Nos.	6.680	4347.68
FR-L4331		16 x 30 cm	1000 Nos.	10.730	6983.62
FR-L4332		20 x 30 cm	1000 Nos.	13.260	8630.27
FR-L4333		30 x 45 cm	1000 Nos.	67.000	43606.95
FR-L4334		35 x 50 cm	1000 Nos.	81.000	52718.85
	<b>5.16.</b>	<b>In Hills and hillocks where the lead is</b>			
	5.16.1.	Upto 100 m			
FR-L4335		8 x 15 cm	1000 Nos.	0.750	488.14
FR-L4336		10 x 15 cm	1000 Nos.	0.750	488.14
FR-L4337		10 x 20 cm	1000 Nos.	1.340	872.14
FR-L4338		13 x 25 cm	1000 Nos.	2.880	1874.45
FR-L4339		16 x 30 cm	1000 Nos.	6.000	3905.10
FR-L4340		20 x 30 cm	1000 Nos.	7.480	4868.36
FR-L4341		30 x 45 cm	1000 Nos.	18.000	11715.30
FR-L4342		35 x 50 cm	1000 Nos.	24.500	15945.83
	5.16.2.	Upto 200 m			
FR-L4343		8 x 15 cm	1000 Nos.	1.130	735.46
FR-L4344		10 x 15 cm	1000 Nos.	1.130	735.46
FR-L4345		10 x 20 cm	1000 Nos.	1.740	1132.48
FR-L4346		13 x 25 cm	1000 Nos.	4.640	3019.94
FR-L4347		16 x 30 cm	1000 Nos.	8.510	5538.73
FR-L4348		20 x 30 cm	1000 Nos.	10.430	6788.37
FR-L4349		30 x 45 cm	1000 Nos.	30.000	19525.50
FR-L4350		35 x 50 cm	1000 Nos.	37.000	24081.45
	5.16.3.	Upto 500 m			
FR-L4351		8 x 15 cm	1000 Nos.	1.750	1138.99

FR-L4352		10 x 15 cm	1000 Nos.	1.750	1138.99
FR-L4353		10 x 20 cm	1000 Nos.	3.710	2414.65
FR-L4354		13 x 25 cm	1000 Nos.	6.960	4529.92
FR-L4355		16 x 30 cm	1000 Nos.	13.310	8662.81
FR-L4356		20 x 30 cm	1000 Nos.	16.740	10895.23
FR-L4357		30 x 45 cm	1000 Nos.	52.500	34169.63
FR-L4358		35 x 50 cm	1000 Nos.	67.000	43606.95
	5.16.4.	Upto 1000 m.			
FR-L4359		8 x 15 cm	1000 Nos.	2.500	1627.13
FR-L4360		10 x 15 cm	1000 Nos.	2.500	1627.13
FR-L4361		10 x 20 cm	1000 Nos.	4.680	3045.98
FR-L4362		13 x 25 cm	1000 Nos.	9.660	6287.21
FR-L4363		16 x 30 cm	1000 Nos.	17.380	11311.77
FR-L4364		20 x 30 cm	1000 Nos.	21.740	14149.48
FR-L4365		30 x 45 cm	1000 Nos.	76.000	49464.60
FR-L4366		35 x 50 cm	1000 Nos.	97.000	63132.45
	<b>5.17.</b>	<b>Distribution of pot plants from foot of the hills where seedlings are stacked to the planting spot in plain where the lead is</b>			
	5.17.1.	Upto 100 m			
FR-L4367		30 x 15 x 25 cm	100 Nos.	0.620	403.53
	5.17.2.	Upto 200 m			
FR-L4368		30 x 15 x 25 cm	100 Nos.	1.190	774.51
	5.17.3.	Upto 500 m			
FR-L4369		30 x 15 x 25 cm	100 Nos.	1.710	1112.95
	5.17.4.	Upto 1000 m			
		30 x 15 x 25 cm	100 Nos.	3.280	2134.79
	<b>5.18.</b>	<b>In Hills and hillocks where the lead is</b>			
	5.18.1.	Upto 100 m			
FR-L4370		25 x 12 x 15 cm	100 Nos.	0.880	572.75
		30 x 15 x 25 cm	100 Nos.	1.500	976.28

	5.18.2.	Upto 200 m			
FR-L4371		25 x 12 x 15 cm	100 Nos.	1.730	1125.97
FR-L4372		30 x 15 x 25 cm	100 Nos.	2.810	1828.89
	5.18.3.	Upto 500 m			
FR-L4373		25 x 12 x 15 cm	100 Nos.	3.250	2115.26
FR-L4374		30 x 15 x 25 cm	100 Nos.	5.180	3371.40
	5.18.4.	Upto 1000 m			
FR-L4375		25 x 12 x 15 cm	100 Nos.	5.400	3514.59
FR-L4376		30 x 15 x 25 cm	100 Nos.	8.880	5779.55
FR-L4377	5.20.	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	0.700	455.60
FR-L4378	5.21.	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	1.150	748.48
FR-L4379	5.22.	Planting the container plants by refilling pit of 60 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	1.710	1112.95
FR-L4380	5.23.	Replacement of casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L4381	5.24.	Scrap weeding for 1 m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil. Both in plains and hillocks. Note: Whether done for first time or second time, the same rate	100 Nos.	1.230	800.55

FR-L4382	5.25.	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from the area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.880	1874.45
FR-L4383	5.26.	Forming catchwater drains for each plant of 90 x 45 x 30cm size in hillocks and hard gravelly soil.	100 Nos.	6.840	4451.81
FR-L4384	5.27.	Removing/scrapping vizal monsoon or bothai grass for one metre dia. around the plants.	100 Nos.	0.210	136.68
FR-L4385	5.36.	Kiluvai fencing around the Tamarind plants to a dia of 1 m. and height of 1m.	1 No.	0.800	520.68
FR-L4386	5.36.1	Brushwood fencing utilizing the cut materials obtained from the plantation around nursery.	Km	-	360.00
FR-L4387	5.41.1	Forming terrace of size 1mx1m with an inward slope of 1:3 around every planting point and keeping earth in lower side with form of small bund supported with stones with if available for semi circular bund as per the site conditions. <i>Note: This item of work should not be carried out for the plants for which catchwater drains or semi circular bunds are formed.</i>	each	-	2.00
FR-L4388	5.43.	Heaping the debris and burning	Ha.	2.00	1301.70
FR-L4389		a. Broadcast sowing of seeds of local leguminous	Ha	-	65.00
FR-L4390		b. Planting vegetative propagated cutting including cost and collection	each	-	3.80
FR-L4391		c. Protection charges watch and ward	1000 Nos	-	80.00
		<b>6. TEAK</b>			
FR-L4392	6.2.	Preparation of teak stumps	1000 Nos.	6.000	3905.10
FR-L4393	6.4.	Digging crowbar holes and planting stumps(teak)	1000 Nos.	8.000	5206.80
FR-L4394	6.4.2.	Saucering like pits for planting teak stumps.	1000 Nos.	10.000	6508.50

FR-L4395	d	Digging wells in plantation sites including provision of herbs(side support to protect falling of earth or silting (4 m at top,1m bottom 2 m depth)	each P.W.D. RATE		
FR-L4396	7.1.2.	Maintenance of well in Casuarina plantation areas.	1 No.	0.400	260.34
FR-L4397	7.7.	For watering the casuarina plants from wells within the plantation site.	1000 Nos.	1.330	865.63
		<b>9.TIMBER OPERATIONS AND ALLIED ACTIVITIES</b>			
FR-L4398	9.15.1.	Hardwood (Babul and other Acacia, Casuarina etc.,)	Tonne	2.410	1568.55
FR-L4399	9.15.2.	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.110	722.44
FR-L4400	10.2.1.	Thinning by cutting wattle trees at an espacement of 2.5 m x 2.5 m in wattle plantations	Ha.	26.000	16922.10
FR-L4401	10.2.2.	Debarking the stems and collecting the wattle bark.	per tonne of the bark	18.000	11715.30
FR-L4402	11	Digging water harvesting trenches of size 5.00mx1.00mx-0.30m with inward slopes in plains, gentle sloppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope / trench (This rate will be applicable only for the work done manually - Measurements for trench and bund should be recorded in M.Book)	each	1.450	943.73
	<b>12</b>	<b>Removal of invasive species (Lantana camara, Eupatoriu, Parthenium, etc.,)</b>			
	<b>12.1</b>	<b>Fresh removal</b>			
FR-L4403	12.1.1	Heavy growth	Ha	100.00	65085.00
FR-L4404	12.1.2	Medium growth	Ha	68.97	44889.12
FR-L4405	12.1.3	Light growth	Ha	47.62	30993.48
	<b>12.2</b>	<b>2nd year maintenance</b>			
FR-L4406	12.2.1	Heavy growth	Ha	75.00	48813.75
FR-L4407		Medium growth	Ha	45.45	29581.13
FR-L4408		Light growth	Ha	35.00	22779.75

	<b>12.3</b>	<b>2nd year maintenance</b>			
FR-L4409		Heavy growth	Ha	48.40	31501.14
FR-L4410		Medium growth	Ha	37.50	24406.88
FR-L4411		Light growth	Ha	23.95	15587.86

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III      Districts: Tenkasi, Kanyakumari & Thoothukudi**

Unique Code	Standard Code No.	Description of operations	Unit	Mandays Required.	Tenkasi, Kanyakumari and Thoothukudi Districts (Rs. 650.85 / per day)
		<b>1. SANDALWOOD OPERATIONS</b>			
	1.4	Extraction and transport of marked sandalwood trees from extraction site to forest depot debarking (Without rough cleaning) including (Without rough cleaning) including billeting in the case of trees of girth 91 cms and above, marking the pits with paint, numbering of pegs, trees upto 4 mt. Height upto a distance of 2 kms.	Tree		
FR-L4412	1.4.1	0 - 15 cm		0.174	76.85
FR-L4413	1.4.2	16 - 30 cm		0.396	174.89
FR-L4414	1.4.3	31 - 45 cm		0.967	427.08
FR-L4415	1.4.4	46 - 60 cm		1.920	847.97
FR-L4416	1.4.5	61 - 75 cm		3.223	1423.44
FR-L4417	1.4.6.	76 - 90 cm		4.675	2064.71
FR-L4418	1.4.7.	91 - 105 cm		6.476	2860.13
FR-L4419	1.4.8	106 - 120 cm		8.427	3721.78
FR-L4420	1.4.9	121 - 135 cm		10.627	4693.41
FR-L4421	1.4.10	136 - 150 cm		12.977	5731.29
FR-L4422	1.4.11	151 - 165 cm		15.476	6834.98
FR-L4423	1.4.12	166 - 180 cm		18.124	8004.46
	1.5	Extraction and transport by headload without rough cleaning from pitsite to forest depot after debarking upto 5 kms (For trees upto 4 m height)	Tree.		
FR-L4424	1.5.1	0 - 15 cm		0.308	136.03

FR-L4425	1.5.2	16 - 30 cm		0.896	395.72
FR-L4426	1.5.3	31 - 45 cm		1.667	736.23
FR-L4427	1.5.4	46 - 60 cm		3.220	1422.11
FR-L4428	1.5.5	61 - 75 cm		5.123	2262.57
FR-L4429	1.5.6	76 - 90 cm		7.375	3257.17
FR-L4430	1.5.7	91 - 105 cm		9.976	4405.90
FR-L4431	1.5.8	106 - 120 cm		12.627	5576.71
FR-L4432	1.5.9	121 - 135 cm		15.527	6857.50
FR-L4433	1.5.10	136 - 150 cm		18.577	8204.53
FR-L4434	1.5.11	151 - 165 cm		21.776	9617.37
FR-L4435	1.5.12	166 - 180 cm		25.124	11096.01
	1.6	Extraction and transport of uncleaned trees from pit site to forest depot by headload above 5 kms and upto 10 kms only. (Trees upto 4 m height) Rate as in item 1.5 plus this rate towards transport for every additional km. may be allowed.	Tree		
FR-L4436	1.6.1	0 - 15 cm		0.040	17.67
FR-L4437	1.6.2	16 - 30 cm		0.130	57.41
FR-L4438	1.6.3	31 - 45 cm		0.220	97.16
FR-L4439	1.6.4	46 - 60 cm		0.440	194.33
FR-L4440	1.6.5	61 - 75 cm		0.700	309.16
FR-L4441	1.6.6	76 - 90 cm		1.000	441.65
FR-L4442	1.6.7	91 - 105 cm		1.340	591.81
FR-L4443	1.6.8	106 - 120 cm		1.660	733.14
FR-L4444	1.6.9	121 - 135 cm		2.000	883.30
FR-L4445	1.6.10	136 - 150 cm		2.234	986.65
FR-L4446	1.6.11	151 - 165 cm		2.680	1183.62
FR-L4447	1.6.12	166 - 180 cm		3.020	1333.78
FR-L4448	1.9	Rough cleaning the uncleaned sandalwood trees.	Tonne (uncleaned wood)	18.03	7962.95

FR-L4449	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for storage in single lock	Tonne (Cleaned wood)	15.67	6920.66
	1.19	Grubbing of root classes of lateral roots obtained in kgs. Above - below & upto	Per kg.		
FR-L4450	1.19.1	0 - 2 kg		0.128	56.53
FR-L4451	1.19.2	2 - 4 kg		0.316	139.56
FR-L4452	1.19.3	4 - 6 kg		0.474	209.34
FR-L4453	1.19.4	6 - 8 kg		0.623	275.15
FR-L4454	1.19.5	8 - 10 kg		0.768	339.19
FR-L4455	1.19.6	10 - 15 kg		1.120	494.65
FR-L4456	1.19.7	15 - 20 kg		1.429	631.12
FR-L4457	1.19.8	20 - 25 kg		1.716	757.87
FR-L4458	1.19.9	25 - 30 kg		2.029	896.11
FR-L4459	1.19.10	30 - 40 kg		2.592	1144.76
FR-L4460	1.19.11	40 - 50 kg		3.076	1358.52
		<b>2. FIRE PROTECTION</b>			
	2.1.1	Scraping annually fire line to a width of 7.5 meters in Nilgris, upper Palanis, Anamalais etc.	KM	Not Applicable to this circle	
FR-L4461	2.2.1	Scraping annually fire line to a width of 6 meters in hill areas	KM	30.00	13249.50
FR-L4462	2.2.2	Scraping annually fire line to a width of 7.5 meters with fire tracing in plains	KM	21.52	9504.31
FR-L4463	2.4	Annual clearing to 3 meters width and fire tracing around the plantations.	KM	17.46	7711.21
		<b>3. DEMARCATION</b>			
FR-L4464	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc. to a width of 6 meters.	KM	21.00	9274.65
FR-L4465	3.3	Survey and demarcation including cutting 1 m wide lines for coupes and plantations. (Chain and Compass survey.)	100 Metres	0.31	136.91

FR-L4466	3.5.1	Demarcation by planting with boundary stone pillars of 0.15 m x 0.15 m x 1.8 m size excluding the cost of stones but including transport from road site to field and headload transport from unloading point to planting site upto 5 kms.	Each stone	P.W.D. rate.	
FR-L4467	3.5.2	For every additional km. Beyond 5 km. Limited to 50 km including initial lead.	Each stone	P.W.D. rate.	
	3.6.1	Planting of boundary stone pillars of 0.15 m x 0.15 m x 0.90 m (excluding cost of stone) stone pillars to be planted in pits of size 30 cm x 30 cm x 45 cm for demarcation of plantations, where the lead from unloading point to planting site is			
FR-L4468		( i ) Upto 5 km	Each	P.W.D. rate	
FR-L4469		(ii) For every additional km	Each	P.W.D. rate	
FR-L4470	3.7	Replanting of fallen R.F. boundary stone including repairing the R.R. dry packing base.	Each	1.00	441.65
		<b>4. NURSERY OPERATIONS</b>			
FR-L4471	4.1	Preparation of nursery site by clearing and leveling the site for forming ten standard beds of 10 m x 1 m size.	200 sq.mt (for 10 Standard beds)	2.42	1068.79
FR-L4472	4.2	Formation of germination bed of size 10 m x 1.0 m x 0.30 m	One bed		
FR-L4473	4.4	Formation of trenches of size 10m length 1 m width and 0.30 m /0.45 m depth, burying mud posts in treaches and filling sand to a thickness of 0.75 cm as bottom and top layers and between the pots.	One trench	2.00	883.30
FR-L4474	4.5.1	Watering the germination beds twice daily with rose can	10 beds / day	0.82	362.15
FR-L4475	4.5.2	Watering the germination beds once daily with rose can	10 beds / day	0.41	181.08

	4.6	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings. (Excluding cost of earth and farmyard manure)  <b>Note:</b> The proportion of fertile earth and Farm Yard Manure will be fixed by the respective Conservator of Forest's For polythene containers size.				
FR-L4476	4.6.1	8 x 15 cm	1000 bags	3.05	1347.03	
FR-L4477	4.6.2	10 x 15 cm	1000 bags	3.28	1448.61	
FR-L4478	4.6.3	10 x 20 cm	1000 bags	3.53	1559.02	
FR-L4479	4.6.4	13 x 25 cm	1000 bags	4.48	1978.59	
FR-L4480	4.6.5	16 x 30 cm	1000 bags	5.95	2627.82	
FR-L4481	4.6.6	20 x 30 cm	1000 bags	7.44	3285.88	
FR-L4482	4.6.7	30 x 45 cm	1000 bags	28.57	12617.94	
FR-L4483	4.6.8	35 x 50 cm (HDPE woven bags)	1000 bags	37.00	16341.05	
	4.7	<b>Filling in mud pots with good earth and farmyard manure, excluding cost of transport and cost of farmyard manure and pricking out seedlings in the posts.</b>				
		<b>Top x Bottom x Height</b>				
FR-L4484		40 x 15 x 30 cm	100 Nos.	2.80	1236.62	
FR-L4485		30 x 15 x 25 cm	100 Nos.	1.75	772.89	
FR-L4486		25 x 12 x 15 cm	100 Nos.	0.70	309.16	
FR-L4487	4.9	Forming temporary shade pandals 10 m x 1 m including collection of grasses, materials etc.	Per pandal	1.00	441.65	
	4.10	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10 m - 20 m from beds)</b>				
FR-L4488		4.10.1	8 x 15 cm	1000 / day	0.16	70.66
FR-L4489		4.10.2	10 x 15 cm	1000 / day	0.16	70.66
FR-L4490		4.10.3	10 x 20 cm	1000 / day	0.20	88.33
FR-L4491		4.10.4	13 x 25 cm	1000 / day	0.23	101.58
FR-L4492		4.10.5	16 x 30 cm	1000 / day	0.37	163.41
FR-L4493		4.10.6	20 x 30 cm	1000 / day	0.46	203.16
FR-L4494		4.10.7	30 x 45 cm	1000 / day	0.56	247.32
FR-L4495		4.10.8	35 x 50 cm	1000 / day	0.86	379.82

	<b>4.11</b>	<b>Watering the container plants once a day</b>			
FR-L4496	4.11.1	8 x 15 cm	1000 / day	0.080	35.33
FR-L4497	4.11.2	10 x 15 cm	1000 / day	0.080	35.33
FR-L4498	4.11.3	10 x 20 cm	1000 / day	0.100	44.17
FR-L4499	4.11.4	13 x 25 cm	1000 / day	0.115	50.79
FR-L4500	4.11.5	16 x 30 cm	1000 / day	0.185	81.71
FR-L4501	4.11.6	20 x 30 cm	1000 / day	0.23	101.58
FR-L4502	4.11.7	30 x 45 cm	1000 / day	0.28	123.66
FR-L4503	4.11.8	35 x 50 cm	1000 / day	0.43	189.91
		Note : 1) watering not to be done on rainy days 2) Watering regime fixed by the PCCF / CCF / CF for each circle should be followed.			
	<b>4.12</b>	<b>Watering mud pots using (rose can, twice daily)excluding cost of water(Water storage pits should be dugup within 10 to 20m from beds in the nursery).</b>			
		<b>Top x Bottom x Height</b>			
FR-L4504	4.12.1	25 x 12 x 15 cm	1000 / day	0.53	234.07
FR-L4505	4.12.2	30 x 12 x 15 cm	1000 / day	0.53	234.07
FR-L4506	4.12.3	30 x 15 x 25 cm	1000 / day	0.75	331.24
FR-L4507	4.12.4	40 x 15 x 30 cm	1000 / day	1.43	631.56
FR-L4508	4.13	Flood watering in sunken beds of 10mx1m	Bed / day	0.03	13.25
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
		<b>Top x Bottom x Height</b>			
FR-L4509	4.14.1	25 x 12 x 15 cm	1000 / shift	2.31	1020.21
FR-L4510	4.14.2	30 x 12 x 15 cm	1000 / shift	2.75	1214.54
FR-L4511	4.14.3	30 x 15 x 25 cm	1000 / shift	4.37	1930.01
FR-L4512	4.14.4	40 x 15 x 30 cm	1000 / shift	5.53	2442.32
	<b>4.15</b>	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags.</b>			

FR-L4513	4.15.1	8 x 15 cm	1000 / shift	0.25	110.41
FR-L4514	4.15.2	10 x 15 cm	1000 / shift	0.29	128.08
FR-L4515	4.15.3	10 x 20 cm	1000 / shift	0.33	145.74
FR-L4516	4.15.4	13 x 25 cm	1000 / shift	0.51	225.24
FR-L4517	4.15.5	16 x 30 cm	1000 / shift	0.79	348.90
FR-L4518	4.15.6	20 x 30 cm	1000 / shift	0.97	428.40
FR-L4519	4.15.7	30 x 45 cm	1000 / shift	2.69	1188.04
FR-L4520	4.15.8	35 x 50 cm	1000 / shift	3.77	1665.02
		Note : Shifting to be done once in 21 days; first shifting not before 45 days after pricking out.			
FR-L4521	4.21	Digging water storage pit Top 3 x 3m Bottom 2.1 x 2.1 m; Depth 1.0 m	One pit		P.W.D. Rate may be followed
		<b>5. PLANTING SITE PREPARATION</b>			
	<b>5.1</b>	<b>Ploughing the land With Tractor- Disc plough</b>			
FR-L4522	5.1.1	Once	Hec	TAF CORN rate may be followed.	
FR-L4523	5.1.2	Twice			
	<b>5.2</b>	<b>Alingning and marking or stacking excluding cost of stacks</b>			
FR-L4524	5.2.1	Plains and tank beds (Square and rectangular planting)	1000 Nos.	1.38	898.17
FR-L4525	5.2.4	Alignment for strip plantations including avenues	1000 Nos.	1.38	898.17
	<b>5.3</b>	<b>Digging 30 cm<sup>3</sup> pits in hillocks and hard gravelly soil</b>			
FR-L4526	5.3.1	Non rainy season	100 Nos	2.60	1692.21
FR-L4527	5.3.2	Rainy season	100 Nos	2.16	1405.84
	<b>5.4</b>	<b>Digging 30 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L4528	5.4.1	Non rainy season	100 Nos.	2.09	1360.28
FR-L4529	5.4.2	Rainy season	100 Nos.	1.75	1138.99
	<b>5.5</b>	<b>Digging 45 cm<sup>3</sup> pits in hillocks and</b>			
		hard gravelly soil			
FR-L4530	5.5.1	Non rainy season	100 Nos.	4.70	3059.00

FR-L4531	5.5.2	Rainy season	100 Nos.	3.92	2551.33
	<b>5.6</b>	<b>Digging 45 cm<sup>3</sup> pits in tank bed areas and plains (Other than hard gravelly soil)</b>			
FR-L4532	5.6.1	Non rainy season	100 Nos.	3.87	2518.79
FR-L4533	5.6.2	Rainy season	100 Nos.	3.23	2102.25
	<b>5.7</b>	<b>Digging 30 cm<sup>3</sup> pits in sandy loam soil</b>			
FR-L4534		Rainy season or non-rainy season	100 Nos.	1.51	982.78
	<b>5.8</b>	<b>Digging 60 cm<sup>3</sup> pits in all types of soils for avenue plantation.</b>			
FR-L4535	5.8.1	Non rainy season	100 Nos.	9.26	6026.87
FR-L4536	5.8.2	Rainy season	100 Nos.	7.72	5024.56
FR-L4537	5.9	Digging 30 cm <sup>3</sup> pits in ploughed area	100 Nos.	(25% of Item 5.4)	
FR-L4538		Non rainy season		0.52	338.44
FR-L4539		Rainy season		0.44	286.37
	<b>5.11</b>	<b>Loading and unloading polybag container plants in private/ Departmental vehicles upto a lead of 2 km (Excluding hire charges for the vehicles)</b>			
FR-L4540	5.11.1	8 x 15 cm	1000 Nos.	0.66	429.56
FR-L4541	5.11.2	10 x 15 cm	1000 Nos.	0.90	585.77
FR-L4542	5.11.3	10 x 20 cm	1000 Nos.	1.08	702.92
FR-L4543	5.11.4	13 x 25 cm	1000 Nos.	1.53	995.80
FR-L4544	5.11.5	16 x 30 cm	1000 Nos.	1.79	1165.02
FR-L4545	5.11.6	20 x 30 cm	1000 Nos.	2.22	1444.89
FR-L4546	5.11.7	30 x 45 cm	1000 Nos.	3.29	2141.30
FR-L4547	5.11.8	35 x 50 cm	1000 Nos.	3.53	2297.50
	<b>5.12</b>	<b>Pots with seedlings</b>			
		<b>Top x Bottom x Height</b>			
FR-L4548	5.12.1	25 x 12 x 15 cm	1000 / Nos.	3.17	2063.19
FR-L4549	5.12.2	30 x 12 x 15 cm	1000 / Nos.	3.63	2362.59
FR-L4550	5.12.3	30 x 15 x 25 cm	1000 / Nos.	5.79	3768.42
FR-L4551	5.12.4	40 x 15 x 30 cm	1000 / Nos.	7.60	4946.46

<b>FR-L4552</b>	<b>5.13</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles to planting site.</b>			
FR-L4553	5.13.1	Distance upto 200 Mts.			
		<b>( i ) Hills / hillocks</b>			
FR-L4554		30 x 45 cm	1000 Nos.	15.00	9762.75
FR-L4555		35 x 50 cm	1000 Nos.	21.00	13667.85
		<b>(ii) Plains</b>			
FR-L4556		30 x 45 cm	1000 Nos.	11.00	7159.35
FR-L4557		35 x 50 cm	1000 Nos.	12.50	8135.63
	5.13.2	Distance upto 0.5 km.			
		<b>( i ) Hills / hillocks</b>			
FR-L4558		8 x 15 cm	1000 Nos.	2.17	1412.34
FR-L4559		10 x 15 cm	1000 Nos.	2.74	1783.33
FR-L4560		10 x 20 cm	1000 Nos.	3.65	2375.60
FR-L4561		13 x 25 cm	1000 Nos.	5.98	3892.08
FR-L4562		16 x 30 cm	1000 Nos.	8.70	5662.40
FR-L4563		20 x 30 cm	1000 Nos.	10.87	7074.74
FR-L4564		30 x 45 cm	1000 Nos.	34.00	22128.90
FR-L4565		35 x 50 cm	1000 Nos.	54.00	35145.90
	5.13.2	<b>(i) Plains</b>			
FR-L4566		8 x 15 cm	1000 Nos.	1.30	846.11
FR-L4567		10 x 15 cm	1000 Nos.	1.64	1067.39
FR-L4568		10 x 20 cm	1000 Nos.	2.19	1425.36
FR-L4569		13 x 25 cm	1000 Nos.	3.59	2336.55
FR-L4570		16 x 30 cm	1000 Nos.	5.22	3397.44
FR-L4571		20 x 30 cm	1000 Nos.	6.52	4243.54
FR-L4572		30 x 45 cm	1000 Nos.	30.00	19525.50
FR-L4573		35 x 50 cm	1000 Nos.	40.00	26034.00

	5.13.3	Distance upto 1 km.			
		<b>( i ) Hills / hillocks</b>			
FR-L4574		8 x 15 cm	1000 Nos.	2.57	1672.68
FR-L4575		10 x 15 cm	1000 Nos.	3.22	2095.74
FR-L4576		10 x 20 cm	1000 Nos.	4.30	2798.66
FR-L4577		13 x 25 cm	1000 Nos.	6.97	4536.42
FR-L4578		16 x 30 cm	1000 Nos.	10.00	6508.50
FR-L4579		20 x 30 cm	1000 Nos.	12.61	8207.22
FR-L4580		30 x 45 cm	1000 Nos.	70.00	45559.50
FR-L4581		35 x 50 cm	1000 Nos.	99.00	64434.15
	5.13.3	<b>( ii ) Plains</b>			
FR-L4582		8 x 15 cm	1000 Nos.	1.54	1002.31
FR-L4583		10 x 15 cm	1000 Nos.	1.93	1256.14
FR-L4584		10 x 20 cm	1000 Nos.	2.58	1679.19
FR-L4585		13 x 25 cm	1000 Nos.	4.18	2720.55
FR-L4586		16 x 30 cm	1000 Nos.	6.00	3905.10
FR-L4587		20 x 30 cm	1000 Nos.	7.57	4926.93
FR-L4588		30 x 45 cm	1000 Nos.	61.00	39701.85
FR-L4589		35 x 50 cm	1000 Nos.	85.00	55322.25
	<b>5.14</b>	<b>Potted seedlings.</b>			
	5.14.1	Distance upto 0.5 km			
		<b>( i ) Hills / hillocks</b>			
FR-L4590		25 x 12 x 15 cm	100 Nos.	1.25	813.56
FR-L4591		30 x 12 x 15 cm	100 Nos.	1.50	976.28
FR-L4592		30 x 15 x 25 cm	100 Nos.	3.14	2043.67
FR-L4593		40 x 15 x 30 cm	100 Nos.	5.02	3267.27
		<b>(ii) Plains</b>			
FR-L4594		25 x 12 x 15 cm	100 Nos.	0.61	397.02

FR-L4595		30 x 12 x 15 cm	100 Nos.	0.73	475.12
FR-L4596		30 x 15 x 25 cm	100 Nos.	1.53	995.80
FR-L4597		40 x 15 x 30 cm	100 Nos.	2.45	1594.58
	5.14.2	Distance upto 1 Km.			
		<b>( i ) Hills / hillocks</b>			
FR-L4598		25 x 12 x 15 cm	100 Nos.	4.09	2661.98
FR-L4599		30 x 12 x 15 cm	100 Nos.	4.89	3182.66
FR-L4600		30 x 15 x 25 cm	100 Nos.	10.24	6664.70
FR-L4601		40 x 15 x 30 cm	100 Nos.	17.83	11604.66
		<b>(ii) Plains</b>			
FR-L4602		25 x 12 x 15 cm	100 Nos.	1.43	930.72
FR-L4603		30 x 12 x 15 cm	100 Nos.	1.70	1106.45
FR-L4604		30 x 15 x 25 cm	100 Nos.	3.60	2343.06
FR-L4605		40 x 15 x 30 cm	100 Nos.	5.65	3677.30
	<b>5.15</b>	<b>Distribution of Polythene container seedlings from foot of the hills or from where seedlings are stacked to the planting spot. In plains where the lead is</b>			
	5.15.1	<b>Upto 100 m.</b>			
FR-L4606		8 x 15 cm	1000 Nos.	0.38	247.32
FR-L4607		10 x 15 cm	1000 Nos.	0.38	247.32
FR-L4608		10 x 20 cm	1000 Nos.	0.88	572.75
FR-L4609		13 x 25 cm	1000 Nos.	1.69	1099.94
FR-L4610		16 x 30 cm	1000 Nos.	3.13	2037.16
FR-L4611		20 x 30 cm	1000 Nos.	3.89	2531.81
FR-L4612		30 x 45 cm	1000 Nos.	10.00	6508.50
FR-L4613		35 x 50 cm	1000 Nos.	17.00	11064.45
	5.15.2	<b>Upto 200 m</b>			
FR-L4614		8 x 15 cm	1000 Nos.	0.75	488.14

FR-L4615		10 x 15 cm	1000 Nos.	0.75	488.14
FR-L4616		10 x 20 cm	1000 Nos.	1.50	976.28
FR-L4617		13 x 25 cm	1000 Nos.	2.25	1464.41
FR-L4618		16 x 30 cm	1000 Nos.	4.66	3032.96
FR-L4619		20 x 30 cm	1000 Nos.	5.83	3794.46
FR-L4620		30 x 45 cm	1000 Nos.	17.50	11389.88
FR-L4621		35 x 50 cm	1000 Nos.	26.50	17247.53
	5.15.3	<b>Upto 500 m</b>			
FR-L4622		8 x 15 cm	1000 Nos.	1.44	937.22
FR-L4623		10 x 15 cm	1000 Nos.	1.44	937.22
FR-L4624		10 x 20 cm	1000 Nos.	2.75	1789.84
FR-L4625		13 x 25 cm	1000 Nos.	4.54	2954.86
FR-L4626		16 x 30 cm	1000 Nos.	8.22	5349.99
FR-L4627		20 x 30 cm	1000 Nos.	10.13	6593.11
FR-L4628		30 x 45 cm	1000 Nos.	41.00	26684.85
FR-L4629		35 x 50 cm	1000 Nos.	51.00	33193.35
	5.15.4	<b>Upto 1000 m</b>			
FR-L4630		8 x 15 cm	1000 Nos.	1.81	1178.04
FR-L4631		10 x 15 cm	1000 Nos.	1.81	1178.04
FR-L4632		10 x 20 cm	1000 Nos.	3.79	2466.72
FR-L4633		13 x 25 cm	1000 Nos.	6.68	4347.68
FR-L4634		16 x 30 cm	1000 Nos.	10.73	6983.62
FR-L4635		20 x 30 cm	1000 Nos.	13.26	8630.27
FR-L4636		30 x 45 cm	1000 Nos.	67.00	43606.95
FR-L4637		35 x 50 cm	1000 Nos.	81.00	52718.85
	<b>5.16</b>	<b>In hills and hillocks where the lead is</b>			
	5.16.1	<b>Upto 100 m.</b>			
FR-L4638		8 x 15 cm	1000 Nos.	0.75	488.14

FR-L4639		10 x 15 cm	1000 Nos.	0.75	488.14
FR-L4640		10 x 20 cm	1000 Nos.	1.34	872.14
FR-L4641		13 x 25 cm	1000 Nos.	2.88	1874.45
FR-L4642		16 x 30 cm	1000 Nos.	6.00	3905.10
FR-L4643		20 x 30 cm	1000 Nos.	7.48	4868.36
FR-L4644		30 x 45 cm	1000 Nos.	18.00	11715.30
FR-L4645		35 x 50 cm	1000 Nos.	24.50	15945.83
	5.16.2	<b>Upto 200 m.</b>			
FR-L4646		8 x 15 cm	1000 Nos.	1.13	735.46
FR-L4647		10 x 15 cm	1000 Nos.	1.13	735.46
FR-L4648		10 x 20 cm	1000 Nos.	1.74	1132.48
FR-L4649		13 x 25 cm	1000 Nos.	4.64	3019.94
FR-L4650		16 x 30 cm	1000 Nos.	8.51	5538.73
FR-L4651		20 x 30 cm	1000 Nos.	10.43	6788.37
FR-L4652		30 x 45 cm	1000 Nos.	30.00	19525.50
FR-L4653		35 x 50 cm	1000 Nos.	37.00	24081.45
	5.16.3	<b>Upto 500 m</b>			
FR-L4654		8 x 15 cm	1000 Nos.	1.75	1138.99
FR-L4655		10 x 15 cm	1000 Nos.	1.75	1138.99
FR-L4656		10 x 20 cm	1000 Nos.	3.71	2414.65
FR-L4657		13 x 25 cm	1000 Nos.	6.96	4529.92
FR-L4658		16 x 30 cm	1000 Nos.	13.31	8662.81
FR-L4659		20 x 30 cm	1000 Nos.	16.74	10895.23
FR-L4660		30 x 45 cm	1000 Nos.	52.50	34169.63
FR-L4661		35 x 50 cm	1000 Nos.	67.00	43606.95
	5.16.4	<b>Upto 1000 m</b>			
FR-L4662		8 x 15 cm	1000 Nos.	2.50	1627.13

FR-L4663		10 x 15 cm	1000 Nos.	2.50	1627.13
FR-L4664		10 x 20 cm	1000 Nos.	4.68	3045.98
FR-L4665		13 x 25 cm	1000 Nos.	9.66	6287.21
FR-L4666		16 x 30 cm	1000 Nos.	17.38	11311.77
FR-L4667		30 x 45 cm	1000 Nos.	76.00	49464.60
FR-L4668		35 x 50 cm	1000 Nos.	97.00	63132.45
	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plain where the lead is</b>			
	5.17	<b>Upto 100 m</b>			
FR-L4669		30 x 15 x 25 cm	100 Nos.	0.62	403.53
	5.17.2	<b>Upto 200 m</b>			
FR-L4670		30 x 15 x 25 cm	100 Nos.	1.19	774.51
	5.17.3	<b>Upto 500 m</b>			
FR-L4671		30 x 15 x 25 cm	100 Nos.	1.71	1112.95
	5.17.4	<b>Upto 1000 m</b>			
FR-L4672		30 x 15 x 25 cm	100 Nos.	3.28	2134.79
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	<b>Upto 100 m</b>			
FR-L4673		25 x 12 x 15 cm	100 Nos.	0.88	572.75
FR-L4674		30 x 15 x 25 cm	100 Nos.	1.50	976.28
	5.18.2	<b>Upto 200 m</b>			
FR-L4675		25 x 12 x 15 cm	100 Nos.	1.73	1125.97
FR-L4676		30 x 15 x 25 cm	100 Nos.	2.81	1828.89
	5.18.3	<b>Upto 500 m</b>			
FR-L4677		25 x 12 x 15 cm	100 Nos.	3.25	2115.26
FR-L4678		30 x 15 x 25 cm	100 Nos.	5.18	3371.40
	5.18.4	<b>Upto 1000 m</b>			
FR-L4679		25 x 12 x 15 cm	100 Nos.	5.40	3514.59
FR-L4680		30 x 15 x 25 cm	100 Nos.	8.88	5779.55

FR-L4681	5.20	Planting the container plants by refilling pit of 30 cm <sup>3</sup> size in plains and hillocks.	100 Nos.	0.70	455.60
FR-L4682	5.21	Planting the container plants by refilling pit of 45 cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.15	748.48
FR-L4683	5.22	Planting the potted seedlings in 60 cm <sup>3</sup> pits (excluding transport in vehicles) in avenue	100 Nos.	1.71	1112.95
FR-L4684	5.23	Replacement casualties by reopening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.	50% of the charges for digging pits of the appropriate size during rainy days and the full cost of planting in the appropriate size pits.	
FR-L4685	5.24	Scrap weeding for 1m dia and soil working 15 cm depth around each plant and removing the grass roots away from the site or upturning the soil: Both in plains and hillocks.  Note : Whether done for first time or second time, the same rate.	100 Nos.	1.23	800.55
FR-L4686	5.25	Forming semi-circular bunds to the plants in the hillocks by collecting stone and earth from that area, forming a revetment on the lower side with stone and earth heaped and giving an inward slope.	100 Nos.	2.88	1874.45
FR-L4687	5.26	Forming catch water drains for each plant of 90 x 45 x 30 cm size in hillocks and hard gravelley soil	100 Nos.	6.84	4451.81
FR-L4688	5.27	Removing / scrapping vizal mansoon or bothai grass for one metre dia around the plants	100 Nos.	0.21	136.68
FR-L4689	5.36	Kiluvai fencing around the tamarind plants to a dia. of 1 m and height of 1m.	1 No.	0.80	520.68
FR-L4690	5.43	Heapaing the debris and burning	Ha.,	2.00	1301.70
<b>6. TEAK</b>					
FR-L4691	6.2	Preparation of teak stumps.	1000 Nos.	6.00	3905.10
FR-L4692	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.00	5206.80

FR-L4693	6.4.2	Saucering like pits for planting teak stumps.	1000 Nos.	10.00	6508.50
FR-L4694	7.1.1	Digging wells in plantation sites including provision of herbs (side support to protect falling of earth or silting (4 m at top, 1 m bottom, 2 m depth)	each	PWD rate	
FR-L4695	7.1.2	Maintenance of well in casuarina plantation areas.	1 No.	0.40	260.34
FR-L4696	7.7	Pot watering the casuarinas plants from wells within the plantation site.	1000 Nos.	1.33	865.63
	<b>9.15</b>	<b>Filling, Billetting and stacking of Firewood departmentally into billets in 1m long, arranging in stacks of 2m. length, 1 m wide and 1m wide and 1m. height.</b>			
FR-L4697	9.15.1.	Hard wood (Babul and other Acacia Casuarina etc.,)	Tonne	2.41	1568.55
FR-L4698	9.15.2.	Medium wood (Eucalyptus, wattle etc.,)	Tonne	1.11	722.44
FR-L4699	10.2.1.	Thinning by cutting wattle tree at an espacement of 2.5 m x 2.5 m in wattle plantations.	Ha.	26.00	16922.10
FR-L4700	10.2.2.	Debarking the stems and collecting the wasttle bark.	Per Tonne of the bark	18.00	11715.30
FR-L4701	11	Digging water harvesting trenches of size 5.00 m x 1.00m c 0.30 m with inward slope in plains, gentle slpppy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope/ trench (this rate will be applicable only for the work done manually-Measurements for trench and bund should be recorded in M.Book)	Each	1.445	940.48
	<b>12</b>	<b>Removal of invasive species ( Lantana - Camara, Eupatorium, Parthenium etc.,)</b>			
	<b>12.1</b>	<b>Fresh removal</b>			
FR-L4702	12.1.1	Heavy growth	Ha.	100.00	65085.00
FR-L4703	12.1.2	Medium growth	Ha.	68.97	44889.12
FR-L4704	12.1.3	Light growth	Ha.	47.62	30993.48

	<b>12.2</b>	<b>2nd Year mainatnance</b>			
FR-L4705	12.2.1	Heavy growth	Ha.	75.00	48813.75
FR-L4706	12.2.2	Medium growh	Ha.	45.45	29581.13
FR-L4707	12.2.3	Light growth	Ha.	35.00	22779.75
	<b>12.3</b>	<b>3rd Year maintenance</b>			
FR-L4708	12.3.1	Heavy growth	Ha.	48.40	31501.14
FR-L4709	12.3.2	Medium growh	Ha.	37.50	24406.88
FR-L4710	12.3.3	Light growth	Ha.	23.95	15587.86

**Forest Schedule of Rates 2024-2025**

**Class C - Grade III      Districts: Tiruppur & Dindigul**

Unique Code	Standard Code No.	Description of operations	Unit	Man days required	Tiruppur & Dindigul Districts (Rs. 650.85 / per day)
	<b>1.4</b>	<b>1. SANDALWOOD OPERATIONS</b>			
		Extraction and transport of marked Sandalwood trees from extraction. Site to forest depot debarking (without rough cleaning) including billeting in the case of trees of girth 91cms. and above, marking the pits with paint numbering of pegs, trees upto 4 mt. Height upto a distance of 2 Kms.	Tree		
FR-L4711	1.4.1	0.15 CM	..do..	0.174	113.25
FR-L4712	1.4.2	16-30 CM	..do..	0.396	257.74
FR-L4713	1.4.3	31-45 CM	..do..	0.967	629.37
FR-L4714	1.4.4	46-60 CM	..do..	1.920	1249.63
FR-L4715	1.4.5	61-75 CM	..do..	3.223	2097.69
FR-L4716	1.4.6	76-90 CM	..do..	4.675	3042.72
FR-L4717	1.4.7	91-105 CM	..do..	6.476	4214.90
FR-L4718	1.4.8	106-120 CM	..do..	8.427	5484.71
FR-L4719	1.4.9	121-135 CM	..do..	10.627	6916.58
FR-L4720	1.4.10	136-150 CM	..do..	12.977	8446.08
FR-L4721	1.4.11	151-165 CM	..do..	15.476	10072.55
FR-L4722	1.4.12	166-180 CM	..do..	18.124	11796.01

	1.5	Extraction and transport by head load without rough cleaning from pitsite to forest depot after depot debarking upto 5 Kms. (For trees upto 4M. Height)	Tree		
FR-L4723	1.5.1	0-15 CM	..do..	0.308	200.46
FR-L4724	1.5.2	16-30 CM	..do..	0.896	583.16
FR-L4725	1.5.3	31-45 CM	..do..	1.667	1084.97
FR-L4726	1.5.4	46-60 CM	..do..	3.220	2095.74
FR-L4727	1.5.5	61-75 CM	Tree	5.123	3334.30
FR-L4728	1.5.6	76-90 CM	..do..	7.375	4800.02
FR-L4729	1.5.7	91-105 CM	..do..	9.976	6492.88
FR-L4730	1.5.8	106-120 CM	..do..	12.627	8218.28
FR-L4731	1.5.9	121-135 CM	..do..	15.527	10105.75
FR-L4732	1.5.10	136-150 CM	..do..	18.577	12090.84
FR-L4733	1.5.11	151-165 CM	..do..	21.776	14172.91
FR-L4734	1.5.12	166-180 CM	..do..	25.124	16351.96
	1.6	Extraction and transport of uncleaned trees from pit site to forest depot by head-load above 5 Kms. and upto 10Kms. Only (Trees upto 4m. height) Rate as in item 1.5 plus this rate towards transport for every additional Km. may be allowed.	Tree		
FR-L4735	1.6.1	0.15 CM	..do..	0.040	26.03
FR-L4736	1.6.2	16-30 CM	..do..	0.130	84.61
FR-L4737	1.6.3	31-45 CM	..do..	0.220	143.19
FR-L4738	1.6.4	46-60 CM	..do..	0.440	286.37
FR-L4739	1.6.5	61-75 CM	..do..	0.700	455.60
FR-L4740	1.6.6	76-90 CM	..do..	1.000	650.85
FR-L4741	1.6.7	91-105 CM	..do..	1.340	872.14

FR-L4742	1.6.8	106-120 CM	..do..	1.660	1080.41
FR-L4743	1.6.9	121-135 CM	..do..	2.000	1301.70
FR-L4744	1.6.10	136-150 CM	..do..	2.234	1454.00
FR-L4745	1.6.11	151-165 CM	..do..	2.680	1744.28
FR-L4746	1.6.12	166-180 CM	..do..	3.020	1965.57
FR-L4747	1.9	Rough cleaning the un-cleaned sandalwood trees	Tonne (un-cleaned wood)	18.030	11734.83
FR-L4748	1.10	Final cleaning rough cleaned wood into billets, roots, cleaned chips rough weighing and adding for sortage in single lock	Tonne cleaned wood	15.670	10198.82
	1.19	G.(Rubbing of root classes of later at roots obtained in Kgs.)	Weight		
		Above      Below      Upto			
FR-L4749	1.19.1	0      2      Kg	Weight	0.128	83.31
FR-L4750	1.19.2	2      4      Kg	Weight	0.316	205.67
FR-L4751	1.19.3	4      6      Kg	Weight	0.474	308.50
FR-L4752	1.19.4	6      8      Kg	Weight	0.623	405.48
FR-L4753	1.19.5	8      10      Kg	Weight	0.768	499.85
FR-L4754	1.19.6	10      15      Kg	Weight	1.120	728.95
FR-L4755	1.19.7	15      20      Kg	Weight	1.429	930.06
FR-L4756	1.19.8	20      25      Kg	Weight	1.716	1116.86
FR-L4757	1.19.9	25      30      Kg	Weight	2.029	1320.57
FR-L4758	1.19.10	30      40      Kg	Weight	2.592	1687.00
FR-L4759	1.19.11	40      50      Kg	Weight	3.076	2002.01
		<b>2. FIRE PROTECTION</b>			
FR-L4760	2.1.1	Scrapping annually fire line to a width of 7.5meters on Nilgiris, Upper Plains, Anamalisis etc.	KM	32.470	21133.10

FR-L4761	2.2.2	Scrapping annually fire line to a width of 7.5 meters with fire tracing in palanis	KM	21.520	14006.29
FR-L4762	2.2.1	Scrapping annually fire line to a width of 6 meters in hill areas	KM	30.000	19525.50
FR-L4763	2.4	Annual clearing to 3 meters width and fire tracing around the plantations	KM	17.460	11363.84
		<b>3. DEMARCATION</b>			
FR-L4764	3.2	Demarcation of reserved forest boundary by annual clearing, cutting of bushes etc. to a width of 6 meters	KM	21.000	13667.85
FR-L4765	3.3	Survey and demarcation including cutting in wide lines for coupes and plantations (cHa.in and compus survey)	100 Mts	0.310	201.76
FR-L4766	3.5.1	Demarcation by planting with boundary stone pillars of 0.15Mx 0.15Mx1.8M. Size excluding the cost of stones but including transport from road site to field and head-load transport from unloading point to planting site upto 5 KM.	Each	PWD rate	
FR-L4767	3.5.2	For every additional KM beyond 5 KM. limited to 50KM. - including initial lead.	Each stone	PWD rate	
	3.6.1	Planting of boundary stone pillars of 0.15M.x0.15Mx0.90M (excluding cost of stone) stone pillars to be planted in pits of size 30cmx30cmx-40cm. For demarcation of planta Hons where the lead from unloading point to planting site is			
FR-L4768		(i) Upto 5 KM	Each	PWD rate	
FR-L4769		(ii) For every additonal KM	Each	PWD rate	
FR-L4770	3.7	Replanting of fallen R.F. boundary stone including repairing on R.R. dry packing base	Each	1.000	650.85

<b>4. NURSERY OPERATIONS</b>					
FR-L4771	4.1	Preparation of nursery site by clearing and levelling the site for forming ten standard beds of 10Mx1M size	200 Sq.mt (for 10 standards beds)	2.420	1575.06
FR-L4772	4.2	Formation of germination bed of size 10mx10mx.30m	one bed		
FR-L4773	4.4	Formation of trenches size 10 m. length 1m. Width and 0.30m/0.45m. Depth, burying mud pots in trenches and filling sand to thickness 0.75cm. As bottom and top layers and between the pots	One trench	2.000	1301.70
FR-L4774	4.5.1	Watering the germination beds twice daily with rose can	10 beds per day	0.820	533.70
FR-L4775	4.5.2	Watering the germination beds once daily with rose can	10 beds per day	0.410	266.85
	<b>4.6</b>	<b>Preparation of soil mixture by breaking clods sieving and mixing of fertile earth (including red soil, silt and sand etc. according to requirements) and farmyard manure, heaping at the filling site and filling in poly. Bags arranging bags in beds and pricking out the seedlings.</b>			
		<b>Note:</b> The proportion of fertile earth and FYM will be fixed by the respective CFS for polythene containers size			
FR-L4776	4.6.1	8x15 CM	1000 bags	3.050	1985.09
FR-L4777	4.6.2	10x15 CM	1000 bags	3.280	2134.79
FR-L4778	4.6.3	10x20 CM	1000 bags	3.530	2297.50
FR-L4779	4.6.4	13x25 CM	1000 bags	4.480	2915.81
FR-L4780	4.6.5	16x30 CM	1000 bags	5.950	3872.56
FR-L4781	4.6.6	20x30 CM	1000 bags	7.440	4842.32
FR-L4782	4.6.7	30x45 CM	1000 bags	28.570	18594.78
FR-L4783	4.6.8	35x50 (HDPE WOVEN BAGS)	1000 bags	37.000	24081.45
FR-L4784	4.6.9	Collection and supply of good quality of red earth including transporting up to 5Km.	Cum	...	1200.00
FR-L4785	4.6.10	Collection and supply of river sand and silt	Cum	...	936.00

FR-L4786	4.6.11	Collection and supply of farm yard manure including transport	Cum	...	800.00
	<b>4.7</b>	<b>Filling in mud pots with good earth and Farm Yard Manure, excluding cost of farmyard manure and pricking out seedlings in the pots</b>			
FR-L4787		40x15x30 CM	100 Nos.	2.800	1822.38
FR-L4788		30x15x25 CM	100 Nos.	1.750	1138.99
FR-L4789		25x12x15 CM	100 Nos.	0.700	455.60
FR-L4790	4.9	Forming temporary shade pandals 10mx1m. including collection of grasses	Per Pandal	1.000	650.85
	<b>4.10</b>	<b>Watering the container plants twice daily with rose can (water storage pits to be dug up within 10m-20m from beds)</b>			
FR-L4791	4.10.1	8x15 CM	1000/ day	0.160	104.14
FR-L4792	4.10.2	10x15 CM	1000/ day	0.160	104.14
FR-L4793	4.10.3	10x20 CM	1000/ day	0.200	130.17
FR-L4794	4.10.4	13x25 CM	1000/ day	0.230	149.70
FR-L4795	4.10.5	16x30 CM	1000/ day	0.370	240.81
FR-L4796	4.10.6	20x30 CM	1000/ day	0.460	299.39
FR-L4797	4.10.7	30x45 CM	1000/ day	0.560	364.48
FR-L4798	4.10.8	35x50 CM	1000/ day	0.860	559.73
	<b>4.11</b>	<b>Watering the container plants once a day</b>			
FR-L4799	4.11.1	8x15 CM	1000/ day	50% (fifty percent of rates allowed for twice watering)	
FR-L4800	4.11.2	10x15 CM	1000/ day		
FR-L4801	4.11.3	10x20 CM	1000/ day		
FR-L4802	4.11.4	13x25 CM	1000/ day		
FR-L4803	4.11.5	16x30 CM	1000/ day		
FR-L4804	4.11.6	20x30 CM	1000/ day		
FR-L4805	4.11.7	30x45 CM	1000/ day		
FR-L4806	4.11.8	35x50 CM	1000/ day		

		<b>Note:</b> (I) Watering not to be done on rainy days (II) Watering regime fixed by the PCCF/CCF/CF for each circle should be followed.			
	<b>4.12</b>	<b>Watering mud pots using (rose can, twice daily) excluding cost of water (water storage pits should be dug up within 10 to 20 m. from beds in nursery)</b>			
FR-L4807	4.12.1	25x15x12 CM	1000/ day	0.530	344.95
FR-L4808	4.12.2	30x15x12 CM	1000/ day	0.530	344.95
FR-L4809	4.12.3	30x25x15 CM	1000/ day	0.750	488.14
FR-L4810	4.12.4	40x13x25 CM	1000/ day	1.430	930.72
FR-L4811	4.13	Flood watering in sunken beds of 10mx1m	Bed/day	0.030	19.53
	<b>4.14</b>	<b>Shifting and grading potted seedlings in the nursery</b>			
FR-L4812	4.14.1	25x15x12 CM	1000/shift	2.310	1503.46
FR-L4813	4.14.2	30x15x12 CM	1000/shift	2.750	1789.84
FR-L4814	4.14.3	30x25x15 CM	1000/shift	4.370	2844.21
FR-L4815	4.14.4	40x13x25 CM	1000/shift	5.530	3599.20
	<b>4.15</b>	<b>Shifting the container plants weeding, grading and replacement of casualties in the bags</b>			
FR-L4816	4.15.1	8x15 CM	1000/shift	0.250	162.71
FR-L4817	4.15.2	10x15 CM	1000/shift	0.290	188.75
FR-L4818	4.15.3	10x20 CM	1000/shift	0.330	214.78
FR-L4819	4.15.4	13x25 CM	1000/shift	0.510	331.93
FR-L4820	4.15.5	16x30 CM	1000/shift	0.790	514.17
FR-L4821	4.15.6	20x30 CM	1000/shift	0.970	631.32
FR-L4822	4.15.7	30x45 CM	1000/shift	2.690	1750.79
FR-L4823	4.15.8	35x50 CM	1000/shift	3.770	2453.70
		<b>Note:</b> Shifting to be done once in 21 days, first shifting not before 45 days after pricking out			

FR-L4824	4.17	Land rent for nursery in private lands	Month/ 40 Sqm.	...	100.00
	4.18	Cost of water for watering the seedlings from private well			
FR-L4825		13x25 CM	1000 bags/ day	...	8.50
FR-L4826		16x30 CM	1000 bags/ day	...	16.00
FR-L4827		30X45 CM	1000 bags/ day	...	32.00
		<b>5. PLANTING SITE PREPARATION</b>			
FR-L4828	5.1	Ploughing the land	Hec.	(TAFCON rate may be adopted)	
FR-L4829	5.1.1	Once			
FR-L4830	5.1.2.	Twice			
	<b>5.2.</b>	<b>Aligning and marking or stacking excluding cost of stacks</b>			
FR-L4831	5.2.1.	Plains and tank beds (square and rectangular planting)	1000 Nos.	1.380	898.17
FR-L4832	5.2.4	Alingment for strip plantations including avenues	1000 Nos.	1.380	898.17
	<b>5.3.</b>	<b>Digging 30cm<sup>3</sup> pits in hillocks and Hard gravelly soil</b>			
FR-L4833	5.3.1.	Non-rainy season	100 Nos.	2.600	1692.21
FR-L4834	5.3.2	Rainy season	100 Nos.	2.160	1405.84
	<b>5.4</b>	<b>Digging 30cm<sup>3</sup> pits in tankbed areas and plains (other than Hard gravelly soil)</b>			
FR-L4835	5.4.1.	Non-rainy season	100 Nos.	2.090	1360.28
FR-L4836	5.4.2.	Rainy season	100 Nos.	1.750	1138.99
	<b>5.5</b>	<b>Digging 45cm<sup>3</sup> pits in hillocks and Hard gravelly soil</b>			
FR-L4837	5.5.1	Non-rainy season	100 Nos.	4.700	3059.00
FR-L4838	5.5.2	Rainy season	100 Nos.	3.920	2551.33
	<b>5.6.</b>	<b>Digging 45cm<sup>3</sup> pits in tankbed areas and plains (other than Hard gravelly soil)</b>			
FR-L4839	5.6.1	Non-rainy season	100 Nos.	3.870	2518.79

FR-L4840	5.6.2	Rainy season	100 Nos.	3.230	2102.25
	<b>5.7</b>	<b>Digging 30cm3 pits in Sandy loam soil</b>			
FR-L4841	5.7.1.	Non-rainy season or rainy season	100 Nos.	1.510	982.78
	<b>5.8</b>	<b>Digging 60cm3 pits in all types of soils for avenue plantation</b>			
FR-L4842	5.8.1	Non-rainy season	100 Nos.	9.260	6026.87
FR-L4843	5.8.2	Rainy season	100 Nos.	7.720	5024.56
	<b>5.9</b>	<b>Digging 30 cm 3 pits in ploughed area</b>			
FR-L4844		Non-rainy Season	..	25% of	
FR-L4845		Rainy season	..	item 5.4	
	<b>5.11</b>	<b>Loading and unloading poly bag container plants in private/ departmental/ vehicles upto a lead of 2Km. (Excluding hire charges for the vehicles)</b>			
FR-L4846	5.11.1	8x15 CM	1000 Nos.	0.660	429.56
FR-L4847	5.11.2	10x15 CM	1000 Nos.	0.900	585.77
FR-L4848	5.11.3	10x20 CM	1000 Nos.	1.080	702.92
FR-L4849	5.11.4	13x25 CM	1000 Nos.	1.530	995.80
FR-L4850	5.11.5	16x30 CM	1000 Nos.	1.790	1165.02
FR-L4851	5.11.6	20x30 CM	1000 Nos.	2.220	1444.89
FR-L4852	5.11.7	30x45 CM	1000 Nos.	3.290	2141.30
FR-L4853	5.11.8	35x50 CM	1000 Nos.	3.530	2297.50
	<b>5.12</b>	<b>Pots with Seedlings</b>			
FR-L4854	5.12.1	25x15x12 CM	1000 Nos.	3.170	2063.19
FR-L4855	5.12.2	30x15x12 CM	1000 Nos.	3.630	2362.59
FR-L4856	5.12.3	30x25x15 Cm	1000 Nos.	5.790	3768.42
FR-L4857	5.12.4	40x30x15 CM	1000 Nos.	7.600	4946.46
	<b>5.13</b>	<b>Transporting of polythene container seedlings by headloads in the places where approach roads are not available to take vehicles of planting site</b>			
	5.13.1	Distance upto 200 meters			

		Hill/Hilllocks			
FR-L4858	(i)	30x45 CM	1000 Nos.	15.000	9762.75
FR-L4859		35x50 CM	1000 Nos.	21.000	13667.85
		Plains			0.00
FR-L4860	(ii)	30x45 CM	1000 Nos.	11.000	7159.35
FR-L4861		35x50 CM	1000 Nos.	12.500	8135.63
	5.13.2	Distance upto 0.5 Km			
		Hill/Hilllocks			
FR-L4862		8x15 CM	1000 Nos.	2.170	1412.34
FR-L4863		10x15 CM	1000 Nos.	2.740	1783.33
FR-L4864		10x20 CM	1000 Nos.	3.650	2375.60
FR-L4865	(i)	13x25 CM	1000 Nos.	5.980	3892.08
FR-L4866		16x30 CM	1000 Nos.	8.700	5662.40
FR-L4867		20x30 CM	1000 Nos.	10.870	7074.74
FR-L4868		30x45 CM	1000 Nos.	34.000	22128.90
FR-L4869		35x50 CM	1000 Nos.	54.000	35145.90
		Plains			
FR-L4870		8x15 CM	1000 Nos.	60% of	
FR-L4871		10x15 CM	1000 Nos.	the above	
FR-L4872		10x20 CM	1000 Nos.	rate except	
FR-L4873	(ii)	13x25 CM	1000 Nos.	for last	
FR-L4874		16x30 CM	1000 Nos.	two items	
FR-L4875		20x30 CM	1000 Nos.		
FR-L4876		30x45 CM	1000 Nos.	30.000	19525.50
FR-L4877		35x50 CM	1000 Nos.	40.000	26034.00

		Distance upto 1 Km Hills Hillocks				
FR-L4878	5.13.3	8x15 CM	1000 Nos.	2.570	1672.68	
FR-L4879		10x15 CM	1000 Nos.	3.220	2095.74	
FR-L4880		10x20 CM	1000 Nos.	4.300	2798.66	
FR-L4881		13x25 CM	1000 Nos.	6.970	4536.42	
FR-L4882		16x30 CM	1000 Nos.	10.000	6508.50	
FR-L4883		20x30 CM	1000 Nos.	12.600	8200.71	
FR-L4884		30x45 CM	1000 Nos.	70.000	45559.50	
FR-L4885		35x50 CM	1000 Nos.	99.000	64434.15	
			Plains			
FR-L4886			8x15 CM	1000 Nos.	60% of the above rate except for last two items	
FR-L4887		10x15 CM	1000 Nos.			
FR-L4888		10x20 CM	1000 Nos.			
FR-L4889		13x25 CM	1000 Nos.			
FR-L4890		16x30 CM	1000 Nos.			
FR-L4891		20x30 CM	1000 Nos.			
FR-L4892		30x45 CM	1000 Nos.	61.000		39701.85
FR-L4893		35x50 CM	1000 Nos.	85.000	55322.25	
	<b>5.14</b>	<b>Potted Seedlings</b>				
	5.14.1	Distance upto 0.5 Km				
		Distance upto 1 Km (i) Hills Hillocks				
FR-L4894		25x15x12 CM	100 Nos.	1.250	813.56	
FR-L4895		30x15x12 CM	100 Nos.	1.500	976.28	
FR-L4896		30x25x15 Cm	100 Nos.	3.140	2043.67	
FR-L4897		40x30x15 CM	100 Nos.	5.020	3267.27	
		(ii) Plains				
FR-L4898		25x15x12 CM	100 Nos.	0.610	397.02	
FR-L4899		30x15x12 CM	100 Nos.	0.730	475.12	

FR-L4900		30x25x15 CM	100 Nos.	1.530	995.80	
FR-L4901		40x30x15 CM	100 Nos..	2.450	1594.58	
		Distance upto 1 Km Hill Hillocks				
FR-L4902	5.14.2	25x15x12 CM	100 Nos.	4.090	2661.98	
FR-L4903		30x15x12 CM	100 Nos.	4.890	3182.66	
FR-L4904		30x25x15 Cm	100 Nos.	10.240	6664.70	
FR-L4905		40x30x15 CM	100 Nos.	17.830	11604.66	
		Plains				
FR-L4906		25x15x12 CM	100 Nos.	1.430	930.72	
FR-L4907		30x15x12 CM	100 Nos.	1.700	1106.45	
FR-L4908		30x25x15 Cm	100 Nos.	3.600	2343.06	
FR-L4909		40x30x15 CM	100 Nos.	5.650	3677.30	
		<b>5.15</b>	<b>Distribution of poly container seedlings from foot of the hills or from where seedlings are stacked to the planting spot in plains where the lead is</b>			
			Upto 100 m			
FR-L4910	5.15.1	8x15 CM	1000 Nos.	0.380	247.32	
FR-L4911		10x15 CM	1000 Nos.	0.380	247.32	
FR-L4912		10x20 CM	1000 Nos.	0.880	572.75	
FR-L4913		13x25 CM	1000 Nos.	1.690	1099.94	
FR-L4914		16x30 CM	1000 Nos.	3.130	2037.16	
FR-L4915		20x30 CM	1000 Nos.	3.890	2531.81	
FR-L4916		30x45 CM	1000 Nos.	10.000	6508.50	
FR-L4917		35x50 CM	1000 Nos.	17.000	11064.45	
		5.15.2	Upto 200 m			
FR-L4918		8x15 CM	1000 Nos.	0.750	488.14	
FR-L4919		10x15 CM	1000 Nos.	0.750	488.14	
FR-L4920		10x20 CM	1000 Nos.	1.500	976.28	

FR-L4921		13x25 CM	1000 Nos.	2.250	1464.41
FR-L4922		16x30 CM	1000 Nos.	4.660	3032.96
FR-L4923		20x30 CM	1000 Nos.	5.830	3794.46
FR-L4924		30x45 CM	1000 Nos.	17.500	11389.88
FR-L4925		35x50 CM	1000 Nos.	26.500	17247.53
	5.15.3	Upto 500 CM			
FR-L4926		8x15 CM	1000 Nos.	1.440	937.22
FR-L4927		10x15 CM	1000 Nos.	1.440	937.22
FR-L4928		10x20 CM	1000 Nos.	2.750	1789.84
FR-L4929		13x25 CM	1000 Nos.	4.540	2954.86
FR-L4930		16x30 CM	1000 Nos.	8.220	5349.99
FR-L4931		20x30 CM	1000 Nos.	10.130	6593.11
FR-L4932		30x45 CM	1000 Nos.	41.000	26684.85
FR-L4933		35x50 CM	1000 Nos.	51.000	33193.35
		5.15.4	Upto 1000 m		
FR-L4934	8x15 CM		1000 Nos.	1.810	1178.04
FR-L4935	10x15 CM		1000 Nos.	1.810	1178.04
FR-L4936	10x20 CM		1000 Nos.	3.790	2466.72
FR-L4937	13x25 CM		1000 Nos.	6.680	4347.68
FR-L4938	16x30 CM		1000 Nos.	10.730	6983.62
FR-L4939	20x30 CM		1000 Nos.	13.260	8630.27
FR-L4940	30x45 CM		1000 Nos.	67.000	43606.95
FR-L4941	35x50 CM		1000 Nos.	81.000	52718.85
	<b>5.16</b>		<b>In hills and hillocks where the lead is</b>		
	5.16.1	Upto 100 m			
FR-L4942		8x15 CM	1000 Nos.	0.750	488.14
FR-L4943		10x15 CM	1000 Nos.	0.750	488.14
FR-L4944		10x20 CM	1000 Nos.	1.340	872.14

FR-L4945		13x25 CM	1000 Nos.	2.880	1874.45
FR-L4946		16x30 CM	1000 Nos.	6.000	3905.10
FR-L4947		20x30 CM	1000 Nos.	7.480	4868.36
FR-L4948		30x45 CM	1000 Nos.	18.000	11715.30
FR-L4949		35x50 CM	1000 Nos.	24.500	15945.83
	5.16.2	Upto 200 m			
FR-L4950		8x15 CM	1000 Nos.	1.130	735.46
FR-L4951		10x15 CM	1000 Nos.	1.130	735.46
FR-L4952		10x20 CM	1000 Nos.	1.740	1132.48
FR-L4953		13x25 CM	1000 Nos.	4.640	3019.94
FR-L4954		16x30 CM	1000 Nos.	8.510	5538.73
FR-L4955		20x30 CM	1000 Nos.	10.430	6788.37
FR-L4956		30x45 CM	1000 Nos.	30.000	19525.50
FR-L4957		35x50 CM	1000 Nos.	37.000	24081.45
		5.16.3	Upto 500 m		
FR-L4958	8x15 CM		1000 Nos.	1.750	1138.99
FR-L4959	10x15 CM		1000 Nos.	1.750	1138.99
FR-L4960	10x20 CM		1000 Nos.	3.710	2414.65
FR-L4961	13x25 CM		1000 Nos.	6.960	4529.92
FR-L4962	16x30 CM		1000 Nos.	13.310	8662.81
FR-L4963	20x30 CM		1000 Nos.	16.740	10895.23
FR-L4964	30x45 CM		1000 Nos.	52.500	34169.63
FR-L4965	35x50 CM		1000 Nos.	67.000	43606.95
	5.16.4		Upto 1000 m		
FR-L4966		8x15 CM	1000 Nos.	2.500	1627.13
FR-L4967		10x15 CM	1000 Nos.	2.500	1627.13
FR-L4968		10x20 CM	1000 Nos.	4.680	3045.98
FR-L4969		13x25 CM	1000 Nos.	9.660	6287.21

FR-L4970		16x30 CM	1000 Nos.	17.380	11311.77
FR-L4971		20x30 CM	1000 Nos.	21.740	14149.48
FR-L4972		30x45 CM	1000 Nos.	76.000	49464.60
		FR-L4973	1000 Nos.	97.000	63132.45
	<b>5.17</b>	<b>Distribution of pot plants from foot of the hills from where seedlings are stacked to the planting spot in plains where the lead is</b>			
	5.17.1	Upto 100 m			
FR-L4973		30x25x15 Cm	100 Nos.	0.620	403.53
	5.17.2	Upto 200 m			
FR-L4974		30x25x15 Cm	100 Nos.	1.190	774.51
	5.17.3	Upto 500 m			
FR-L4975		30x25x15 Cm	100 Nos.	1.710	1112.95
	5.17.4	Upto 1000 m			
FR-L4976		30x25x15 Cm	100 Nos.	3.280	2134.79
	<b>5.18</b>	<b>In hills and hillocks where the lead is</b>			
	5.18.1	Upto 100 m			
FR-L4977		25x15x12 CM	100 Nos.	0.880	572.75
FR-L4978		30x25x15 Cm	100 Nos.	1.500	976.28
	5.18.2	Upto 200 m			
FR-L4979		25x15x12 CM	100 Nos.	1.730	1125.97
FR-L4980		30x25x15 Cm	100 Nos.	2.810	1828.89
	5.18.3	Upto 500 m			
FR-L4981		25x15x12 CM	100 Nos.	3.250	2115.26
FR-L4982		30x25x15 Cm	100 Nos.	5.180	3371.40
	5.18.4	Upto 1000 m			
FR-L4983		25x15x12 CM	100 Nos.	5.400	3514.59
FR-L4984		30x25x15 Cm	100 Nos.	8.880	5779.55

FR-L4985	5.20	Planting the container plants by refilling pits of 30cm <sup>3</sup> size in plains and hillocks	100 Nos.	0.700	455.60
FR-L4986	5.21	Planting the container plants by refilling pits of 45cm <sup>3</sup> size in plains and hillocks	100 Nos.	1.150	748.48
FR-L4987	5.22	Planting the potted seedlings in 60cm <sup>3</sup> pits (excluding transport in vehicle) in avenue	100 Nos.	1.710	1112.95
FR-L4988	5.23	Replacement of casualties by re-opening the failed pits and planting the seedlings (excluding the cost of transport and distribution of seedlings)	1000 Nos.	50% of the charges for digging pits the appropriate size during rain days and the full cost of planting in the appropriate size pits	
FR-L4989	5.24	Scrap weeding for 1 m dia and soil working 15cm. Depth around each plant and removing the grass roots away from the site or upturning the soil; Both in plains and hillocks.	100 Nos.	1.230	800.55
<b>FR-L4990</b>					
FR-L4991	5.25	Forming semi circular bunds to the plants in the hillocks by collecting stone and earth from that area forming a revetment on the lowerside with stone and earth heaped and giving inward slope	100 Nos.	2.880	1874.45
FR-L4992	5.26	Forming catch water drains for each plant of 90x45x30cm. Size in hillocks and Hard gravelly soil	100 Nos.	6.840	4451.81
FR-L4993	5.27	Removing/scrapping vizal monsoon or both grass for one meter dia around the plants	100 Nos.	0.210	136.68
FR-L4994	5.36	Kiluvai fencing around the tamarind plants to a dia of 1m. and height of 1m.	1 No	0.800	520.68
FR-L4995	5.43	Heaping the debris and burning	Ha.	2.000	1301.70
FR-L4996	6.2	Preparation of teak stumps	1000 Nos.	6.000	3905.10

FR-L4997	6.4	Digging crowbar holes and planting stumps (teak)	1000 Nos.	8.000	5206.80
FR-L4998	6.4.2	Saucering like pits for planting teak stumps	1000 Nos.	10.000	6508.50
FR-L4999	7.1.2	Maintenance of well in casuarina plantation areas	1 No.	0.400	260.34
FR-L5000	7.7	Pot watering the casuarina plants from wells within the plantation site	1000 Nos.	1.330	865.63
	<b>9</b>	<b>Timber operations and allied activities</b>			
	9.15	Felling Billetting and stacking of fire wood departmentally into billets in 1m long arranging in stacks of 2m length, 1m wide and 1m height			
FR-L5001	9.15.1	Ha.rdwood (Babul and other acacia causerina etc.)	Tonne	2.410	1568.55
FR-L5002	9.15.2	Medium Wood(Eucalyptus, Wattle etc.)	Tonne	1.110	722.44
FR-L5003	10.2.1	Thinning by cutting wattle trees at an escapement of 2.5x2.5m. in wattle plantations	Ha.	26.000	16922.10
FR-L5004	10.2.2	Debarking the stems and collecting the wattle bark	Per tonne of the work	18.000	11715.30
FR-L5005	11	Digging water Ha.rvesting trenches of size 5.00 mx-1.00mx0.30m with inward slope in plains, gentle slopy and undulating areas along the contour and forming bund with the excavated earth on the lower side of the slope/trench (This rate will be applicable only for the work done manually-Measurements for trench and bund should be recorded in M.Book)	Each	1.445	940.48
	<b>12</b>	<b>Removal of invasive species (Lantana-camara, Eupatoriu, Parthenium etc.,)</b>			
	12.1	<b>Fresh removal</b>			
FR-L5006	12.1.1.	Heavy growth	Ha.	100.000	65085.00

FR-L5007	12.1.2	Medium growth	Ha.	69.000	44908.65
FR-L5008	12.1.3	Light growth	Ha.	47.600	30980.46
	12.2.	<b>2nd Year maintenance</b>			
FR-L5009	12.2.1	Heavy growth	Ha.	75.000	48813.75
FR-L5010	12.2.2.	Medium growth	Ha.	45.450	29581.13
FR-L5011	12.2.3	Light growth	Ha.	35.000	22779.75
	12.3.	<b>3rd Year maintenance</b>			
FR-L5012	12.3.1	Heavy growth	Ha.	48.400	31501.14
FR-L5013	12.3.2	Medium growth	Ha.	37.500	24406.88
FR-L5014	12.3.3.	Light growth	Ha.	23.950	15587.86

**TAMIL NADU GENERATION  
AND DISTRIBUTION  
CORPORATION LTD.  
(TANGEDCO)**

### Structure for Unique Item Codes

<b>Item Code</b>	<b>Item Type</b>
TG	Tamil Nadu Generation and Distribution Corporation LTD.
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "TG-A1234" mentioned in the 'Unique Code' column in each sheet

**TANGEDCO -COST DATA FOR THE YEAR 2024-25  
(MATERIALS LIST 1)**

Unique Code	Material Code	Description	Unit	Basic Rate approved for the year 2024-2025 (w.e.f. 15.07.2024)
1	2	3	4	5
	<b>GROUP I - Distribution transformers and materials</b>			
	<b>Distribution Transformers</b>			
		<b>11 KV/433V</b>		
TG-M0001	2000000001	16KVA/11 KV (Copper Winding)	No.	99472.00
TG-M0002	2000001437	16KVA/11 KV (Copper winding) Energy Efficient Level-2	No.	126957.00
TG-M0003	2000001440	25KVA/11 KV (Copper Winding)	No.	116930.00
TG-M0004	2000000009	25KVA/11 KV (Copper winding) Energy Efficient Level - 2	No.	113530.00
TG-M0005	2000000018	63KVA/11 KV (Copper Winding)	No.	197944.00
TG-M0006	2000000019	63KVA/11 KV (Copper winding) Energy Efficient Level - 2	No.	254750.00
TG-M0007	2000008195	63KVA/11 KV (Copper winding) Energy Efficient Level - 1	No.	269033.00
TG-M0008	2000000021	100KVA/11 KV (Copper Winding)	No.	221128.00
TG-M0009	2000000004	100 KVA/11 KV ( 3 Star rated) (Copper Winding)	No.	130936.00
TG-M0010	2000000040	100 KVA/11 KV (Copper winding) Energy Efficient Level 2	No.	221132.00
TG-M0011	2000008196	100 KVA/11 KV (Copper winding) Energy Efficient Level 1	No.	379375.00
TG-M0012	2000000032	160 KVA/11 KV (Amorphous core 5 star rated) (Copper winding)	No.	209413.00
TG-M0013	2000000023	250 KVA/11 KV (Copper Winding)	No.	426145.00
TG-M0014	2000001439	250 KVA/11 KV (Copper Winding) Energy efficient Level 2	No.	473035.00
TG-M0015	2000008193	250 KVA/11 KV (Copper Winding) Energy efficient Level 1	No.	664908.00

TG-M0016	2000000025	500 KVA/11 KV (Copper Winding)	No.	574981.00
TG-M0017	2000000026	500 KVA/11 KV (Copper Winding) Energy efficient Level 2	No.	669282.00
TG-M0018	2000008194	500 KVA/11 KV (Copper Winding) Energy efficient Level 1	No.	1203238.00
		<b>Distribution Transformers 22 KV/433V</b>		
TG-M0019	2000000000	16KVA /22 KV Star rated (Copper winding)	No.	99472.00
TG-M0020	2000008649	25KVA/22 KV (Copper winding) Energy Efficient Level -1	No.	182195.00
TG-M0021	2000000028	63 KVA/22 KV (Copper winding)	No.	183930.00
TG-M0022	2000000029	63 KVA/22 KV (Copper Winding) Energy efficient Level 2	No.	302953.00
TG-M0023	2000008197	63 KVA/22 KV (Copper Winding) Energy efficient Level 1	No.	297820.00
TG-M0024	2000000035	100 KVA/22 KV (Copper winding)	No.	295164.00
TG-M0025	2000000041	100 KVA/22 KV (Copper Winding) Energy efficient Level 2	No.	253358.00
TG-M0026	2000008198	100 KVA/22 KV (Copper Winding) Energy efficient Level 1	No.	416519.00
TG-M0027	2000000036	200 KVA/22 KV (Copper winding)	No.	448259.00
TG-M0028	2000000038	200 KVA/22 KV (Copper Winding) Energy efficient Level 2	No.	741870.00
TG-M0029	2000008199	200 KVA/22 KV (Copper Winding) Energy efficient Level 1	No.	617360.00
TG-M0030	2000000039	500 KVA/22 KV (Copper winding)	No.	789473.00
TG-M0031	2000000042	500 KVA/22 KV (Copper winding) Energy efficient Level 2	No.	706294.00
		<b>Air Break(A.B)Switches (with PT insulators) (Set) Line type</b>		
TG-M0032	2000000149	11 KV AB switch with 11 KV PT insulators	No.	16949.00
TG-M0033	2000000166	22 KV AB switch with 22 KV PT insulators	No.	18644.00
TG-M0034	2000000156	11 KV AB Switch Fixed contact-200A	No.	865.00

TG-M0035	2000000157	11 KV AB Switch moving contact - 200 A	No.	843.00
TG-M0036	2000001295	11 KV AB Switch Fixed contact - 400 A	No.	1485.00
TG-M0037	2000001296	11 KV AB Switch Moving contact - 400 A	No.	1940.00
TG-M0038	2000000169	22 KV AB Switch Fixed contact	No.	875.00
TG-M0039	2000000170	22 kv AB Switch Moving contact	No.	849.00
TG-M0040	2000000168	22 KV Fixed & Moving contact	No.	1914.00
TG-M0041	2000001297	11 KV double break centre rotating AB Switch without PT insulator	No.	38837.00
TG-M0042	2000001298	11 KV double break centre rotating AB Switch with PT insulator	No.	39007.00
TG-M0043	2000000171	33 KV Double break Centre rotating AB switch without PT insulators	No.	25075.00
TG-M0044	2000000173	33 KV Double break Centre rotating AB switch with PT insulators	No.	37740.00
		<b>Fuses and Fuse wires (Set)</b>	-	
		<b>Horn Gap (H.G)Fuses</b>		
TG-M0045	2000000181	11 KV HG Fuse Set (without insulator)	Set	2726.00
TG-M0046	2000000183	22 KV HG Fuse Set (without insulator)	Set	2273.00
TG-M0047	2000000187	LT Open type fuse unit (without insulator)	Set	878.00
		<b>Tinned Copper (TC) Fuse wire</b>		
TG-M0048	2000000117	12 Standard Wire Gauge (SWG)	Kg.	984.00
TG-M0049	2000000118	14 SWG	Kg.	972.00
TG-M0050	2000000119	16 SWG	Kg.	975.00
TG-M0051	2000000120	18 SWG	Kg.	890.00
TG-M0052	2000000121	20 SWG	Kg.	1000.00
TG-M0053	2000000122	22 SWG	Kg.	933.00

TG-M0054	2000000124	24 SWG	Kg.	900.00
TG-M0055	2000000125	26 SWG	Kg.	925.00
TG-M0056	2000000126	28 SWG	Kg.	575.00
TG-M0057	2000000127	30 SWG	Kg.	1010.00
TG-M0058	2000000128	32 SWG	Kg.	1020.00
TG-M0059	2000000129	33 SWG	Kg.	1184.00
TG-M0060	2000000130	35 SWG	Kg.	1074.00
TG-M0061	2000000131	38 SWG	Kg.	999.00
		<b>Lightning Arresters</b>		
		<b>Distribution Type</b>		
TG-M0062	2000000712	Low Tension (L.T)	No.	492.00
TG-M0063	2000000135	11 KV (Distribution Type )	No.	663.00
TG-M0064	2000000136	22 KV (Distribution Type)	No.	1168.00
TG-M0065	3000000006	New Transformer oil	KL	84737.00
		<b>Station Type</b>		
TG-M0066	2000000141	Lightning Arrestor Station type 9KV/11KV	No.	1502.00
TG-M0067	2000000142	Lightning Arrestor Station type 18 KV/22KV	No.	4693.00
TG-M0068	2000000143	Lightning Arrestor Station type 25KV/33KV	No.	3089.00
		<b>Distribution Boxes</b>	-	
TG-M0069	2000000817	`A' Type Box	No.	615.00
TG-M0070	2000000819	`B' Type Box	No.	1080.00
TG-M0071	2000000820	`C' Type Box	No.	1225.00
TG-M0072	2000000821	LT metering box	No.	DELETED
TG-M0073	2000000823	LT metering box (Double compartment)	No.	13702.00

TG-M0074	2000000822	HT metering box	No.	DELETED
TG-M0075	2000000197	LTCT 4 compartment Box	No.	11648.00
TG-M0076	2000001545	DT Metering Box SMC-with accessories - 16/25KVA	No.	12261.00
TG-M0077	2000001546	DT Metering Box SMC-with accessories - 63KVA	No.	12600.00
		<b>Fuse Unit and cut-out</b>		
TG-M0078	2000001457	5A - 415V Fuse Unit	No.	33.00
TG-M0079	2000000199	16 A - 415 V Fuse Unit	No.	DELETED
TG-M0080	2000000202	32 A - 415 V Fuse Unit	No.	DELETED
TG-M0081	2000000203	63 A - 415 V Fuse Unit	No.	DELETED
TG-M0082	2000000204	100 A - 415 V Fuse Unit	No.	DELETED
TG-M0083	2000000205	200 A - 415 V Fuse Unit	No.	DELETED
TG-M0084	2000001459	300 A - 415 V Jaws	No.	140.00
TG-M0085	2000001458	300 A - 415 V Base	No.	369.00
TG-M0086	2000001460	500 A-415V, Jaws	No.	233.00
TG-M0087	2000000208	500 A-415V, Base	No.	1283.00
TG-M0088	2000001461	16 A - 500 V ,S.P.I.C Cutout	No.	56.00
TG-M0089	2000001462	32 A - 500 V, S.P.I.C.Cutout	No.	38.00
TG-M0090	2000001463	63 A - 500 V, S.P.I.C.Cutout	No.	69.00
TG-M0091	2000001464	100 A - 500 V, S.P.I.C.Cutout	No.	330.00
		<b>Poly Vinyl Chloride(P.V.C)/</b>		
		<b>(S.C) Single Core. Cable</b>		
TG-M0092	2000000606	2.5 Sq.mm	per 100 m	1356.00
TG-M0093	2000000607	2.65 Sqmm	per 100 m	692.00

TG-M0094	2000000608	6 Sq.mm	per 100 m	763.00
TG-M0095	2000000609	25 Sq.mm	per 100 m	5847.00
TG-M0096	2000000610	50 Sq.mm	per 100 m	3475.00
TG-M0097	2000000611	95 Sq.mm	per 100 m	9136.00
TG-M0098	2000000612	120 Sq.mm	per 100 m	10866.00
TG-M0099	2000000613	185 Sq.mm	per 100 m	13428.00
		<b>Double Paper Covered (DPC) Aluminium Wire</b>		
		<b>DPC Aluminium Wire</b>		
TG-M0100	2000001637	12 SWG	Kg.	390.00
TG-M0101	2000001638	13 SWG	Kg.	287.00
TG-M0102	2000001641	13.5 SWG	Kg.	310.00
TG-M0103	2000001645	16 SWG	Kg.	338.00
TG-M0104	2000001661	16.5 SWG	Kg.	297.00
TG-M0105	2000001646	17 SWG	Kg.	244.00
TG-M0106	2000001648	18 SWG	Kg.	338.00
TG-M0107	2000001649	19 SWG	Kg.	244.00
		<b>Double Paper Covered (DPC) Copper Wire</b>		
TG-M0108	2000001662	12 SWG	Kg.	852.00
		<b>Super Enamelled Aluminium Wire (SEAW)</b>		
TG-M0109	2000001639	12 SWG	Kg.	575.00
TG-M0110	2000001640	13 SWG	Kg.	369.00
TG-M0111	2000001642	13.5 SWG	Kg.	369.00
TG-M0112	2000001643	14 SWG	Kg.	383.00

TG-M0113	2000001644	15 SWG	Kg.	260.00
TG-M0114	2000001647	16 SWG	Kg.	450.00
TG-M0115	2000001650	18 SWG	Kg.	371.00
		<b>Super Enamelled Copper Wire (SECW)</b>		
TG-M0116	2000001669	12 SWG	Kg.	956.00
TG-M0117	2000001670	13 SWG	Kg.	973.00
TG-M0118	2000001672	14 SWG	Kg.	921.00
TG-M0119	2000001674	15 SWG	Kg.	902.00
TG-M0120	2000001675	16 SWG	Kg.	919.00
TG-M0121	2000001676	17 SWG	Kg.	586.00
TG-M0122	2000001678	18 SWG	Kg.	960.00
TG-M0123	2000001679	19 SWG	Kg.	980.00
TG-M0124	2000001680	20 SWG	Kg.	990.00
TG-M0125	2000001682	21 SWG	Kg.	990.00
TG-M0126	2000001683	22 SWG	Kg.	959.00
TG-M0127	2000001684	23 SWG	Kg.	965.00
TG-M0128	2000001685	24 SWG	Kg.	958.00
TG-M0129	2000001686	25 SWG	Kg.	555.00
TG-M0130	2000001687	27 SWG	Kg.	555.00
		<b>BUSHING RODS</b>		
TG-M0131	2000000050	LT Brass bushing rod 12 mm (1/2")	No.	309.00
TG-M0132	2000000052	LT Brass bushing rod 18 mm (3/4")	No.	898.00
TG-M0133	2000000053	LT Brass Bushing Rod 20mm dia (0.8")	No.	935.00

TG-M0134	2000000054	LT BRASS BUSHING ROD 25 MM (1")	No.	3160.00
TG-M0135	2000000055	LT Brass Bushing Rod 30mm dia (1.25")	No.	2868.00
TG-M0136	2000000049	HT Brass bushing rod 1/2"	No.	422.00
		<b><u>PIPES</u></b>	-	
		<b>Galvanised Iron (G.I.) Pipes</b>		
TG-M0137	2000001015	20 mm in 5 mtr length	Nos	DELETED
TG-M0138	2000001567	40 mm in 5 mtr length	Nos	DELETED
TG-M0139	3000001990	50 mm in 5 mtr length	Nos	DELETED
TG-M0140	2000001020	100 mm in 10 feet length	Nos	DELETED
TG-M0141	2000001017	160 mm in 10 feet length	Nos	DELETED
		<b>P.V.C.Pipe</b>		
TG-M0142	2000001573	20 mm 3mtr, 1.5 mm thickness	Nos	126.00
TG-M0143	2000001576	25 mm 5mtr, 1.5 mm thickness	Nos	178.00
TG-M0144	2000001577	32 mm 5 mtrs, 1.5 mm thickness	Nos	181.00
TG-M0145	2000001582	40 mm, 1.5 mm thickness	mtr.	57.00
TG-M0146	2000001581	50mm, 1.5 mm thickness	mtr.	92.00
TG-M0147	2000001580	75 mm, 1.5 mm thickness	mtr.	200.00
TG-M0148	2000001571	140 mm 5.5" in nos	No	1380.00
TG-M0149	2000001749	160 mm	mtr.	893.00
TG-M0150	2000001026	200 mm 6mtr in no	Nos	7600.00
<b>TG-M0151</b>				
	<b>CONDUCTOR</b>			
		<b>Aluminium Conductor Steel Reinforced (ACSR)</b>		
TG-M0152	2000001414	Weasel 7/2.59 mm	Km.	25928.00

TG-M0153	2000001415	Rabbit 7/3.35 mm	Km.	37957.00
TG-M0154	2000001416	Raccoon 7/4.09 mm	Km.	64548.00
TG-M0155	2000001412	Dog 6/4.72 & 7/1.57 mm	Km.	94125.00
		<b>All Aluminium Alloy Conductor (AAAC)</b>		
TG-M0156	2000001407	7/2.0 mm	Km.	24237.00
TG-M0157	2000001408	7/2.50 mm	Km.	35200.00
TG-M0158	2000001409	7/3.15 mm	Km.	57200.00
		<b>Aerial Bunched Cable (ABC)</b>		
TG-M0159	2000000653	1.1 KV, 3x70(Phase)+1x16(Insulated Street Light)+1x50 sq.mm (Bare Messenger cum Neutral)	Km.	212184.00
TG-M0160		11 KV Aerial Bunched Cables 3x70+1x50 Sqmm with messenger wire	Km.	914291.00
TG-M0161	2000000654	11KV class 3 phase AB cable of size 3x95 + 1x95 sq.mm	Km.	547460.00
TG-M0162	2000008123	22 KV, 3x95(Phase)+1x95 sq.mm	Km.	1030000.00
		<b><u>Aerially Bunched cable fittings</u></b>		
TG-M0163		LT Suspension clamp Assembly with pole clamps for 70 sqmm AB Cable	Each	837.00
TG-M0164		Dead End / anchor Assembly including of Pole Clamps for LT 70 sqmm AB Cable	Each	1017.00
TG-M0165		Mid span Joints for LT 70 Sqmm AB Cable	Each	1036.00
TG-M0166	2000007650	11KV, 70 sqmm AB Cable HS End termination kits	Each	5182.00
TG-M0167	2000007659	11KV, 70 sqmm AB Cable HS OD Straight Joint kits	Each	6333.00
TG-M0168		11KV, 95 sqmm AB Cable HS End termination kits	Each	5182.00

TG-M0169	2000007696	11KV, 95 sqmm AB Cable HS OD Straight Joint kits	Each	6333.00
TG-M0170		T Joint Kit for 11kV 70 Sqmm AB Cable	Each	10939.00
TG-M0171		T Joint Kit for 11kV 95 Sqmm AB Cable	Each	10939.00
TG-M0172		11KV Suspension Assembly with Pole clamps for 70 sqmm AB Cable	Set	1076.00
TG-M0173		Dead End clamp/Anchoring clamp assembly including Brackets, Pole clamps for 11kV 70 sqmm AB Cable	Set	1172.00
TG-M0174		11KV Suspension Assembly with Pole clamps for 95 sqmm AB Cable	Set	1136.00
TG-M0175	2000007559	Dead End clamp/Anchoring clamp assembly including Brackets, Pole clamps for 11kV 95 sqmm AB Cable	Set	1600.00
		<b><u>Pin &amp; Pin Insulators</u></b>	-	
TG-M0176	2000001235	LT pin insulator	No.	21.00
TG-M0177	2000000481	11 KV pin insulator	No.	77.00
TG-M0178	2000000483	22 KV pin insulator	No.	334.00
TG-M0179	2000000485	33 KV pin insulator	No.	397.00
TG-M0180	2000000489	11 KV post type (PT) insulator	No.	292.00
TG-M0181	2000000490	22 KV post type(PT) insulator	No.	510.00
TG-M0182	2000000491	33 KV post type (PT) insulator	No.	1803.00
TG-M0183	2000000495	LT shackle insulator	No.	16.00
TG-M0184	2000001276	LT Guy shackle insulator	No.	22.00
TG-M0185	2000001468	HT Guy shackle insulator	No.	85.00
TG-M0186	2000001478	11 KV 45 KN strain disc insulator	No.	275.00
TG-M0187	2000000502	11 KV 120 KN Ordinary disc insulators	No.	494.00

TG-M0188	2000001234	LT GI pin	No.	36.00
TG-M0189	2000008613	11 KV GI pin	No.	76.00
TG-M0190	2000008614	22 KV GI pin	No.	203.00
TG-M0191	2000008615	33 KV GI Pin	No.	314.00
TG-M0192	2000000493	LT Shackle hardware / LT Metal Parts	No.	41.00
TG-M0193	2000002956	11 KV Metal Parts	No.	195.00
		<b>Composite polymer insulators</b>		
TG-M0194	2000001479	11 KV Composite Polymer <b>pin</b> Insulators	No.	229.00
TG-M0195	2000001480	22 KV Composite Polymer pin Insulators	No.	452.00
TG-M0196	2000001481	33 KV Composite Polymer pin Insulators	No.	490.00
TG-M0197	2000000501	11KV Polymer Composite (B&S) Disc Insulator	No.	147.00
TG-M0198	2000000510	22KV Polymer Composite(B&S) Disc Insulator	No.	198.00
TG-M0199	2000008249	33 KV Polymer Composite strain Disc Insulator	No.	412.00
TG-M0200	2000000507	33 KV Polymer PT insulators	No.	550.00
		<b><u>LINE SUPPORTS</u></b>	-	
		<b>Reinforced Cement Concrete (RCC) Poles</b>		
TG-M0201	2000001212	7.5 m RCC	No.	2442.00
TG-M0202	2000001213	8.0 m RCC	No.	2470.00
TG-M0203	2000001210	9.14 m.G.201 Special RCC	No.	4850.00
TG-M0204	2000001211	9.0 m (150 Kg) Square section RCC pole	No.	8200.00

		<b>Pre-Stressed Concrete (PSC) Pole</b>		
TG-M0205	2000001224	7.5 m PSC (ordinary)	No.	1583.00
TG-M0206	2000001216	7.5 M PSC High Wind Zone (HWZ)	No.	1700.00
TG-M0207	2000001229	8.0 m PSC (140 Kgs.)	No.	2138.00
TG-M0208	2000001227	8.0 m PSC Pole (200 Kgs)	No.	2442.00
TG-M0209	2000001223	9.0 M PSC pole 300 KG WL	No.	3513.00
TG-M0210	2000001222	9.0 M PSC pole 400 KG WL	No.	4271.00
		<b><u>Cross arm and fittings</u></b>	-	
TG-M0211	2000000731	1068 mm (3'-6") V Cross arm	No.	940.00
TG-M0212	2000000736	1068 mm (3'-6") V Cross arm <b>(GI)</b>	No.	1240.00
TG-M0213	2000000732	1373 mm (4'-6") V Cross arm	No.	1556.00
TG-M0214	2000001632	1373 mm (4'-6") V Cross arm <b>(GI)</b>	No.	1965.00
TG-M0215	2000000734	1525 mm (5'-0") V Cross arm	No.	1667.00
TG-M0216	2000001633	1525 mm (5'-0") V Cross arm <b>(GI)</b>	No.	2060.00
TG-M0217	2000000195	Tapping channel cross arm	No.	1319.00
TG-M0218	2000008470	Tapping channel cross arm <b>(GI)</b>	No.	1735.00
TG-M0219	2000000744	Tapping channel cross arm for 33 KV	No.	1255.00
TG-M0220	2000000739	Double channel cross arm	No.	9740.00
TG-M0221	2000000738	Guarding cross arm	No.	810.00
TG-M0222	2000000194	Guarding cross arm <b>(GI)</b>	No.	1480.00

TG-M0223	2000001435	Cross Bracing set	No.	7471.00
TG-M0224	2000000728	LT 3 phase angle cross arm	No.	766.00
TG-M0225	2000000729	LT 3 phase channel cross arm	No.	740.00
TG-M0226	2000001381	LT 3 phase channel cross arm <b>(GI)</b>	No.	1005.00
TG-M0227	2000000725	LT single phase angle cross arm	No.	186.00
TG-M0228	2000000727	LT single phase angle cross arm <b>(GI)</b>	No.	375.00
TG-M0229	2000000726	LT single phase channel cross arm	No.	195.00
TG-M0230	2000000727	LT single phase channel cross arm <b>(GI)</b>	No.	339.00
TG-M0231	2000000843	HT TI fitting	No.	254.00
TG-M0232	2000000846	HT TI fitting <b>(GI)</b>	No.	370.00
TG-M0233	2000000844	HT TI fitting for 33 KV	No.	269.00
TG-M0234	2000000842	LT TI fitting	No.	221.00
TG-M0235	2000000845	LT TI fitting <b>(GI)</b>	No.	268.00
TG-M0236	2000001275	Aluminium Knob	No.	38.00
TG-M0237	2000000847	Transformer structure materials 10'	Set	21823.00
TG-M0238	2000001248	Transformer structure clamp	Set	5292.00
TG-M0239	2000000803	Transformer structure clamp <b>(GI)</b>	Set	4951.00
		<b>Materials for single pole HVDS</b>		
TG-M0240	2000000851	11KV HVDS single pole mounted structure materials complete set (11 KV Vertical type AB (GOS) switch with composite Polymer insulator & 11 KV Solid core type HG fuse set with composite polymer insulators & Single pole Transformer structure materials with clamp)	Set	28519.00
TG-M0241	2000000151	11 KV Vertical Gang operated Air break switch with composite polymer insulators, Single square pole transformer structure material with Clamp & 11KV Solid core type HG Fuse sets for HVDS	Set	23594.00

TG-M0242	2000000147	11 KV HVDS Single pole vertical type AB switch (GOS) with composite polymer insulator	Set	17110.00
TG-M0243	2000000724	11 KV HG fuse Set with solid core insulator for (GOS) single pole structure - Vertical type	set	5871.00
TG-M0244	2000000153	22 KV HVDS Single pole vertical type AB switch (GOS) with composite polymer insulator	set	18018.00
TG-M0245	2000000185	22 KV HG Fuse set with solid core insulator for (GOS) Single Pole structure - Vertical type	set	10030.00
TG-M0246	2000007457	22KV vertical Gang operated Air break switch 22KV solid core HG fuse set	set	27298.00
TG-M0247	2000008207	11KV Standalone complete sets of structure materials	set	61345.00
TG-M0248	2000008208	22KV Standalone complete sets of structure materials	set	69516.00
		<b>Paint</b>		
TG-M0249	3000000040	Aluminium paint	Ltr	377.00
TG-M0250	3000000038	Red oxide paint	Ltr	DELETED
TG-M0251	3000000031	Enamel Paint - White	Ltr	DELETED
TG-M0252	3000000032	Enamel Paint - Black	Ltr	DELETED
TG-M0253	3000000033	Enamel Paint - Red	Ltr	DELETED
TG-M0254	3000000034	Enamel Paint - Green	Ltr	DELETED
TG-M0255	3000000035	Enamel Paint - Blue	Ltr	DELETED
TG-M0256	3000000036	Enamel Paint - Yellow	Ltr	DELETED
TG-M0257	3000000037	Enamel Paint - Grey	Ltr	DELETED
TG-M0258	3000000007	Silicagel	kg	207.00
TG-M0259	2000001053	Silicagel Breather 1/2" (63 &100 KVA)	No.	500.00

TG-M0260	2000001054	Silicagel Breather 3/4" (200 KVA &250 KVA)	No.	646.00
TG-M0261	2000001055	Silicagel Breather 1" (500 KVA)	No.	742.00
TG-M0262	2000001058	Silicagel Breather for Power Transformer	No.	6703.00
		<b><u>Clamp/Stay/Base Plate (Each)</u></b>	-	
TG-M0263	2000000787	Back clamp for 7.5m RCC pole	No.	92.00
TG-M0264	2000000785	Back clamp for 7.5m PSC pole	No.	85.00
TG-M0265	2000000751	Back clamp for 8m RCC pole	No.	80.00
TG-M0266	2000000786	Back clamp for 8m PSC pole	No.	77.00
TG-M0267	2000000753	Back clamp for 9.14m special RCC pole	No.	131.00
TG-M0268	2000000758	Back Clamp for 9.14 Mts RCC Pole <b>(GI)</b>	No.	190.00
TG-M0269	2000000753	Back clamp for 9.0 m PSC Pole	No.	142.00
TG-M0270	2000000765	Back clamp for RSJ pole	No.	85.00
TG-M0271	2000000766	Stay clamp (Pair) 7.5 m PSC pole	Pair	139.00
TG-M0272	2000000778	Stay clamp (Pair) 8.0m PSC pole	Pair	177.00
TG-M0273	2000000777	Stay Clamp (Pair) for 8.0 Mts PSC Pole <b>(GI)</b>	Pair	220.00
TG-M0274	2000000780	Stay clamp (Pair) for 9.0 m PSC pole	Pair	152.00
TG-M0275	2000000763	Stay clamp (Pair) 9.14m RCC pole <b>(GI)</b>	No.	223.00
TG-M0276	2000000799	RSJ pole Stay Clamp Special A side (200 x 100mm)	No.	164.00
TG-M0277	2000000800	RSJ pole Stay Clamp Special B side (200 x 100mm)	No.	164.00
TG-M0278	2000000775	STAY CLAMP 9M PSC POLE 400KG	Pair	207.00
TG-M0279	2000001215	Base plate	No.	265.00
TG-M0280	2000000472	Stay plate	No.	280.00

TG-M0281	2000000868	stay bow	No.	226.00
TG-M0282	2000000869	Stay Eye Bolt & Nut	No.	170.00
TG-M0283	2000001611	Stay Rod	No.	380.00
TG-M0284	2000000873	Stay set complete (eye, bow & rod) without GI wire	Set	475.00
TG-M0285	2000000870	GI Stay set complete without GI wire	No.	723.00
TG-M0286	2000000514	GI Stranded Stay wire 7/12 SWG (kg)	kg	86.00
TG-M0287	2000008657	Aluminium 'U' Clamp for Pillar Box	No.	55.00
TG-M0288	2000008658	Aluminium 'Z' Clamp for Pillar Box	No.	180.00
TG-M0289	2000001045	Aluminium Flat 50 X 12mm for Pillar Box	kg	305.00
TG-M0290	2000001404	Aluminium switch end clamp with tail	No.	223.00
TG-M0291	2000001403	Aluminium switch end clamp without tail	No.	224.00
TG-M0292	2000001046	GI Stem Bolts and Nuts 155X12.5mm or 6" X 1/2" for Pillar Box	No.	39.00
TG-M0293	2000001047	GI Stem Bolts and Nuts 155X16.0 mm or 6" X 5/8" for Pillar Box	No.	66.00
TG-M0294	2000000392	Hexagonal Insulator 1/2" for pillar box	No.	12.00
TG-M0295	2000000393	Hexagonal Insulator 5/8" for pillar box	No.	11.00
TG-M0296	2000000593	BIMETALLIC CLAMPS (Transformer bushing clamp) FOR LT SIZE 95 SQ.MM CABLE	No.	310.00
TG-M0297	2000000594	BIMETALLIC CLAMPS (Transformer bushing clamp) FOR LT SIZE 120 SQ.MM CABLE	No.	318.00
TG-M0298	2000000595	BIMETALLIC CLAMPS (Transformer bushing clamp)FOR LT SIZE 185 SQ.MM CABLE	No.	490.00
TG-M0299	2000000596	BIMETALLIC CLAMPS (Transformer bushing clamp)FOR LT SIZE 240 SQ.MM CABLE	No.	941.00

		<b>Clamps for Conductors as per relevant IS &amp; its amendments</b>		
TG-M0300	2000000554	Aluminium L Clamp for Panther	No.	1150.00
TG-M0301	2000000600	L Clamp for Kundah	No.	1148.00
TG-M0302	2000000565	L Clamp for Zebra	No.	996.00
TG-M0303	2000000573	Aluminium 'T' Clamp	No.	222.00
TG-M0304	2000000579	'T" clamp for Kundah to Kundah	No.	1430.00
TG-M0305	2000000576	T" clamp for 2" busbar to zebra	No.	627.00
TG-M0306	2000000528	T CLAMP FOR 2" BUSBAR TO KUNDAH	No.	1736.00
TG-M0307	2000000529	'T" clamp for 3" busbar to Kundah	No.	2105.00
TG-M0308	2000000531	"T" Clamp for Double Kundah to Single Kundah	No.	2521.00
TG-M0309	2000000580	'T" clamp for single Zebra to single Zebra	No.	492.00
TG-M0310	2000001400	Switch End Clamp for 2" BUS	No.	434.00
TG-M0311	2000000604	Aluminium switch end clamp for Zebra	No.	386.00
TG-M0312	2000000556	Aluminium switch end clamp for Mink	No.	472.00
TG-M0313	2000000532	Reducer clamp for 2" Busbar to Kundah	No.	2073.00
TG-M0314	200000553	Reducer clamp for 3" Busbar to Kundah	No.	2250.00
TG-M0315	200000542	Reducer clamp for 2" Busbar to Zebra	No.	2015.00
TG-M0316	200000566	Reducer clamp for 3" Busbar to Zebra	No.	694.00
TG-M0317	200000519	Parallel Groove clamp (PG Clamp) suitable for DOG conductor	No.	1064.00
TG-M0318	200000527	Parallel Groove clamp (PG Clamp) suitable for Panther conductor	No.	313.00
TG-M0319	200000526	Parallel Groove clamp (PG Clamp) suitable for Kundah conductor	No.	1134.00

TG-M0320	2000001397	Aluminium P.G.Clamp for Kundha to Kundha	No.	949.00
TG-M0321	2000000552	Parallel Groove clamp (PG Clamp) suitable for Zebra conductor	No.	1039.00
TG-M0322	2000000541	Parallel Groove clamp (PG Clamp) suitable for 7/3.15 to 7/3.15 AAAC Conductor	No.	151.00
TG-M0323	2000000543	Al. Parallel Groove clamp (PG Clamp) suitable for 7/3.15 to 7/4.09 ACSR Conductor	No.	153.00
TG-M0324	2000000536	Parallel Groove clamp (PG Clamp) suitable for 7/2.50 to 7/2.50 AAAC Conductor	No.	146.00
TG-M0325	2000000549	Al. Parallel Groove clamp (PG Clamp) suitable for 7/2.50 to 7/3.15 AAAC Conductor	No.	144.00
TG-M0326	2000000524	Free end clamp for 2" bus bar	No.	189.00
TG-M0327	200000525	Free end clamp for 3" bus bar	No.	372.00
TG-M0328	2000001832	CT Bushing clamp for Zebra	No.	1534.00
		<b><u>BOLTS &amp; NUTS Per MT</u></b>	-	
TG-M0329	2000001338	MS Hexagonal Bolt & Nut 1-1/2" x 5/8" (38X16 mm) per MT	MT.	89330.00
TG-M0330	2000001346	MS Hexagonal Bolt & Nut 2" x 5/8" (50 x 16 mm)	MT.	93030.00
TG-M0331	2000001347	MS Hexagonal Bolt & Nut 2-1/2" x 5/8" (63 x 16 mm)	MT.	89860.00
TG-M0332	2000001349	MS Hexagonal Bolt & Nut 3" x 5/8" (75 x 16 mm)	MT.	87120.00
TG-M0333	2000001348	MS Hexagonal Bolt & Nut 3-1/2" x 5/8" (89 x 16 mm)	MT.	89860.00
TG-M0334	2000001353	MS Hexagonal Bolt & Nut 4" x 5/8" (100x16mm)	MT.	84200.00
TG-M0335	200001352	MS Hexagonal Bolt & Nut 4-1/2" x 5/8" (113x16mm)	MT.	90860.00
TG-M0336	200001354	MS Hexagonal Bolt & Nut Size -5"X 5/8" (125 x 16 mm)	MT.	82200.00
TG-M0337	200001357	MS Hexagonal Bolt & Nut 6" x 5/8" (150 x 16 mm)	MT.	90860.00

TG-M0338	200001356	M.S. BOLT & NUTS 6 1/2 X 5/8" (165X16 mm)	MT	97610.00
TG-M0339	2000000988	MS Hexagonal Bolt and Nut 7x5/8" (178X16mm)	MT.	77970.00
TG-M0340	2000001358	MS Hexagonal Bolt & Nuts 8" x 5/8" (200X16 mm)	MT.	88460.00
TG-M0341	2000001359	MS BOLTS & NUTS 9"X 5/8" (225X16 mm)	MT.	64460.00
TG-M0342	2000001339	MS Hexagonal Bolt & Nuts 10" x 5/8" (255X16 mm)	MT.	74580.00
TG-M0343	2000001340	MS Hexagonal Bolt & Nut 11" x 5/8" (275x 16 mm)	MT.	91360.00
TG-M0344	2000001341	MS Hexagonal Bolt & Nut 12" x 5/8" (300x16 mm)	MT.	85220.00
TG-M0345	2000001350	MS Hexagonal Bolt & Nut 13x5/8 Inches (330x16mm)	MT.	102000.00
TG-M0346	2000001360	MS Hexagonal Bolt & Nut 15" x 5/8" (380x16mm)	MT.	80510.00
TG-M0347	2000001330	GI Bolts & Nuts 2-1/2"x5/8" (63x16 mm)	MT.	115840.00
TG-M0348	2000001333	GI Bolts & Nuts 3-1/2"X5/8" (89x16 mm)	MT.	118000.00
TG-M0349	2000001336	GI Hexagonal Bolt & Nut 4-1/2" x 5/8" (113x16mm)	MT.	70910.00
TG-M0350	2000001325	G.I. Bolt and Nut 6" x 5/8" (150 x 16 mm)	MT.	97458.00
TG-M0351	2000001635	M.S.Washer 5/8" (16mm dia)	MT.	94483.00
TG-M0352	2000001004	G.I. Washer 1/2" (12 mm dia)	MT.	77119.00
TG-M0353	2000001005	G.I. Washer 5/8" (16 mm dia)	MT.	68000.00
		<b>Galvanised Iron (GI) Wires (Per M.T)</b>	-	
TG-M0354	2000001734	7/11 Standard Wire Gauge (SWG)/ 7/2.80 mm Stranded	MT.	64190.00
TG-M0355	2000001735	7/12 SWG/ 7/2.50 mm Stranded	MT.	81800.00
TG-M0356	2000000515	7/20 SWG stranded	MT.	64322.00
TG-M0357	2000001667	7/10 SWG/ 7/3.15 mm stranded wire	MT.	54068.00

		<b>GI Solid Wire</b>		
TG-M0358	2000001666	No.6 SWG Solid wire (4mm Solid wire)	MT.	79750.00
TG-M0359	2000001231	No.8 SWG Solid wire (5mm Solid wire)	MT.	79203.00
		<b>Earth pipe/rod</b>		
TG-M0360	2000001762	G I Earth pipe 40mm dia (10 feet -3mts length)	No.	1040.00
		<b>Discharge/earth rod</b>		
TG-M0361	2000000836	Telescopic Earth Rod extendable type per set (Material - PVC Pipe, 1 Set of 3 Nos, Size 4 Feet) (Distribution type)	Set	3212.00
TG-M0362	2000000838	Telescopic Earth Rod with copper wire 10' (SS Type) (per set)	Set	7195.00
		<b>Line seperators</b>		
TG-M0363	2000001511	LT, 3 Phase, 4 wire spiral type separator	No.	237.00
TG-M0364	2000001513	LT, 3 Phase, 3 wire PVC separator		237.00
TG-M0365	2000001232	LT line spacer single phase 2 wire PVC	No.	127.00
TG-M0366	2000001512	Line Separator 1 Phase, 3 Wire Spiral type	No.	208.00
		<b>Cement</b>		
TG-M0367	3000001184	Ordinary Portland (O.P)Cement 53 Grade	per bag	DELETED
TG-M0368	2000001446	<b>Earthing Device</b> made up of MS Angle 40x40x6mm along with MS Rod 3/8" (10mm) - As per IS of latest issue with up to date amendments	No.	698.00
		<b>Pipe Earthing</b>	-	
TG-M0369		G.I.Earth Pipe (40 mm dia) 3 mts and G.I.wire 8 SWG, Bolt & Nuts- 4 1/2 x 5/8" Set (1040x3)+(79.203*10)+(90.86*5)= 4366.33	lump sum	4366.00

		<b><u>Coil earthing per pole</u></b>		
TG-M0370		G.I. Wire (8 SWG)(10 Kg), Bolt & Nut (3 1/2x5/8")- 5 Kg) - Set = (79.203*10)+(89.86*5)=1241.33	lump sum	1241.00
		<b>Structure Earthing</b>		
TG-M0371		Structure Earthing with GI Earth pipe 40 mm dia 3 Nos, MS Flat 50x6 MM 5 KG Bolt & Nut (11x5/8") 6 Kg, GI No.8 SWG wire 35 Kg) (1040x3)+(59.5x5) +(91.36x6)+(79.203x35)=11290	lump sum	6738.00
		<b>Concreting</b>		
TG-M0372		concreting per pole(cement 1/2 bag, River Sand,Blue metal) (302/2+447+1029)=1627	lump sum	DELETED
TG-M0373		Concreting per structure (302/2+447+1029)*2=3254	lump sum	DELETED
		<b>Group III - Street Light</b>		
TG-M0374	2000000801	Street light fixture clamp (Pair)	Set	268.00
TG-M0375	2000000813	Street light fixture pipe	No.	298.00
TG-M0376	2000001495	LED Lamp Bulb 40 Watts with Fittings	No.	1102.00
TG-M0377	5000028154	72 W LED Street Light Fittings	No.	2222.00
		<b>Group IV - Ring Main Unit (RMU)</b>		
		<b>VARIOUS TYPES OF 11 RMUs with FRTU, Structures for DTs and associated materials (including DT/RMU earthing, foundation and termination)</b>		
TG-M0378	2000001603	5 way 11 KV RMU configuration R-R-R-R-R	Each	1340492.00
TG-M0379	2000001604	5 way 11 KV RMU configuration R-R-R-R-L	Each	1551582.00
TG-M0380	2000000442	5 way 11 KV RMU configuration R-R-R-L-L	Each	1757285.00
TG-M0381	2000001606	5 way 11 KV RMU configuration R-R-L-L-L	Each	1876064.00

TG-M0382	2000000438	3 way 11 KV RMU configuration R-R-R	Each	931964.00
TG-M0383	2000001605	3 way 11 KV RMU configuration R-R-L	Each	1160460.00
		<b>GROUP V - INNOVATIVE EQUIPMENTS</b>		
		<b><u>New equipment's</u></b>	-	
TG-M0384	2000000399	LT fixed capacitor 1x9 KVAR	Each	6574.00
TG-M0385	2000000400	LT fixed capacitor 2x9 KVAR	Each	12429.00
		<b><u>Electronic (Static) type:-</u></b>	-	
TG-M0386	2000000883	Single phase Bidirectional Static Meter 5-20A (Solar)	No.	1051.00
TG-M0387	2000007615	LT Single Phase 2 Wire DLMS Compliance 5-20 AMPS Static Watt Hour Meters (Category-C3) of Class 1.0 (Programmable as bidirectional)	No.	822.00
TG-M0388	2000000944	3 Phase (10-60A) Solar Bidirectional Meters	No.	3356.00
TG-M0389	2000000909	Three phase meter 50-100A Static Meter Bi- directional meters for solar - net metering	No.	8108.00
TG-M0390	2000007355	Three Phase whole current Smart Meter 10/20/50-100 A	No.	5525.00
TG-M0391	2000007616	LT 3 Phase 4 Wire DLMS Compliance 10-60 AMPS Static Watt Hour Meters (Category-C2) of Class 1.0 Accuracy (Programmable as bidirectional)		2212.00
TG-M0392	2000007515	LT 3 PHASE 4 WIRE DLMS COMPLIANCE 20-100 AMPS STATIC WATT HOUR METERS ( CATEGORY-C) OF CLASS 1.0 ACCURACY WITH BI-DIRECTIONAL FEATURES		6780.00

TG-M0393	2000000947	COMPOSITE BOX COMPRISING OF LT THREE PHASE FOUR WIRE 3X 240 VOLTS, 40-200 AMPS ELECTRONIC <b>TRIVECTOR METERS</b> OF CLASS 1.0 ACCURACY, DLMS COMPLIANCE CATEGORY "C" SUITABLE FOR DT METERING APPLICATION ALONG WITH MODEM - 25KVA, 63KVA & 100KVA (or up to 200KVA) DISTRIBUTION TRANSFORMER INSTALLATION WITHOUT USE OF EXTERNAL CT AND TERMINAL BLOCK BUT WITH DIRECT INSERTION OF CABLE / CONDUCTOR	No.	17227.00
TG-M0394	2000007398	LTCT 5A DLMS 0.5 S Composite Static Meter	No.	2315.00
TG-M0395	2000000918	Resin cast Ring type LT CT 200/5A Electronic (Static) type Meter	No.	547.00
TG-M0396	2000000919	Resin cast Ring type LT CT 400/5A Electronic (Static) type Meter	No.	483.00
TG-M0397	2000000920	Resin cast Ring type LT CT 800/5A Electronic (Static) type Meter	No.	461.00
TG-M0398	2000000902	3 PH 4 WIRE LT CT OPERATED STATIC METER 240V/5A 0.5 S DLMS	No.	3390.00
TG-M0399	2000007356	Three phase four wire 240V, -/5A <b>LTCT</b> Operated <b>Smart</b> Energy Meters of Class 0.5s Accuracy cat D3	No.	6340.00
TG-M0400	2000007358	Modular RF Mesh Module (for installation with each meter)	No.	1467.00
TG-M0401	2000007359	Data Concentrator Units/Gateway/Router for forming FR Mesh Canopy	No.	47242.00
TG-M0402	2000007360	MODEM (HT & Ring Fencing)	No.	7627.00
TG-M0403	2000007361	DCUs for SS Feeders	No.	141791.00
TG-M0404	5100000077	Common Meter Reading Instrument (CMRI)	No.	21398.00
		<b><u>Trivector meters (Time Of Day (TOD) Type)</u></b>	-	
TG-M0405	2000000910	3 Phase HT Static trivector meter 110V/5A TOD-DLMS 0.2 S ABT (Available Base Tariff) Future	No.	22712.00

TG-M0406	2000007397	Three phase four wire 110V /-5A, HT TOD DLMS Compliance category "C" static energy meters of class 0.2s Accuracy with ABT & Bi -Directional Features		25424.00
TG-M0407	2000000895	HT 3 Phase 4 wire 110V/1A FULLY STATIC FOUR QUADRANT TOD <b>TRI-VECTOR</b> CATEGORY "A" DLMS COMPLIANCE <b>METERS</b> OF CLASS 0.2s ACCURACY FOR 11KV , 22KV & 33KV FEEDERS	No.	6811.00
TG-M0408	2000007412	HT Three Phase four wire DLMS compliance <b>110V/1A</b> Fully static four quadrant TOD <b>Tri-vector</b> Category "B" ABT Energy <b>Meters</b> of class 0.2s Accuracy	No.	26695.00
TG-M0409	2000002358	HT Three Phase four wire DLMS compliance <b>110V/5A</b> Fully static four quadrant TOD <b>Tri-vector</b> Category "B" ABT Energy <b>Meters</b> of class 0.2s Accuracy	No.	26802.00
TG-M0410	2000000893	3 Phase HT Static trivector meter 110V/5A (With TOD)	No.	23220.00
TG-M0411	2000000894	HT TOD - 110V/5A static meter Bi-Directional meter for solar -net metering	No.	6645.00
TG-M0412	2000001588	Polycarbonate Transparent security seals	No.	4.30
TG-M0413	2000008166	Supply, installation and commissioning of GPRS modems (4G) and necessary software (HES/MDAS) with complete remote metering system for data transfer from ABT with DLMS meters provided at LV's of 110kV SS of TANGEDCO to AMR server at TANGEDCO HQs, with guarantee for five years	No.	12580.00
TG-M0414		Supply, Installation and Commissioning of GPRS Modems (4G) for the purpose of Automatic Meter Reading in Energy Meters of HT/EHT services with guarantee for five years	No.	10730.00
TG-M0415	5100000647	3 phase power quality analyser		447000.00

		<b>110 KV Metering CT</b>	No.	
		<b>110 KV O/D Metering Current Transformers of 0.2s Accuracy of ratios</b>	No.	
TG-M0416	2000001780	20/5-5A	No.	87546.00
TG-M0417	2000001781	30/5-5A	No.	87546.00
TG-M0418	2000001771	40/5-5A	No.	87546.00
TG-M0419	2000001776	50/5-5A	No.	87546.00
TG-M0420	2000001777	60/5-5A	No.	87546.00
TG-M0421	2000001782	75/5-5A	No.	87546.00
TG-M0422	2000001770	100/5-5A	No.	87546.00
TG-M0423	2000001783	120/5-5A	No.	87546.00
TG-M0424	2000001779	150/5-5A	No.	87546.00
TG-M0425	2000001785	200/5-5A	No.	87546.00
TG-M0426	2000001778	300/5-5A	No.	87546.00
		<b><u>Metering Sets per Each (Accuracy 0.2 S)</u></b>	-	
TG-M0427	2000000295	11 KV set , 10/5A	No.	60366.00
TG-M0428	2000000301	11 KV set, 20/5A	No.	60366.00
TG-M0429	2000000308	11 KV set, 30/5A		60366.00
TG-M0430	2000000309	11 KV set, 40/5A	No.	60366.00
TG-M0431	2000000306	11 KV set, 60/5A	No.	60366.00
TG-M0432	2000000356	11 KV set, 100/5A	No.	60366.00
TG-M0433	2000000320	11 KV set, 150/5A	No.	60366.00
TG-M0434	2000000297	11 KV set, 200/5A	No.	60366.00

TG-M0435	2000000342	11 KV set, 300/5A	No.	60366.00
TG-M0436	2000000318	22 KV set 5/5A	No.	111000.00
TG-M0437	2000000314	22 KV set, 10/5A	No.	125331.00
TG-M0438	2000000343	22 KV set, 20/5A	No.	125331.00
TG-M0439	2000000376	22 KV set, 25/5A	No.	111000.00
TG-M0440	2000000344	22 KV set, 30/5A	No.	125331.00
TG-M0441	2000000345	22 KV set, 40/5A	No.	125331.00
TG-M0442	2000000348	22 KV set, 50/5A	No.	111000.00
TG-M0443	2000000368	22 KV set,60/5A	No.	125331.00
TG-M0444	2000003883	22 KV set,80/5A	No.	111000.00
TG-M0445	2000000334	22 KV set,100/5A	No.	125331.00
TG-M0446	2000000369	22 KV set,150/5A	No.	125331.00
TG-M0447	2000000370	22 KV set,200/5A	No.	125331.00
TG-M0448	2000000371	22 KV set,300/5A	No.	125331.00
TG-M0449	2000000354	33 KV set 5/5A	No.	148212.00
TG-M0450	2000000323	33 KV set 10/5A	No.	148212.00
TG-M0451	2000000352	33 KV set 20/5A	No.	148212.00
TG-M0452	2000000358	33 KV set 30/5A	No.	148212.00
TG-M0453	2000000359	33 KV set 40/5A	No.	148212.00
TG-M0454	2000000360	33 KV set 50/5A	No.	148212.00
TG-M0455	2000000327	33 KV set 60/5A	No.	148212.00
TG-M0456	2000000325	33 KV set 100/5A	No.	148212.00
TG-M0457	2000000357	33 KV set 150/5A	No.	148212.00

TG-M0458	2000000332	33 KV set 200/5A	No.	148212.00
TG-M0459	2000000333	33 KV set 300/5A	No.	148212.00
		<b><u>Meter Board/Meter Box</u></b>	-	
TG-M0460	2000001542	457 x 610 x 12 mm T.W.Board	No.	622.00
TG-M0461	2000001541	208 x 243 x 10 mm T.W.Board	No.	224.00
TG-M0462	2000001540	200 x 200 x 12 mm T.W.Board	No.	64.00
TG-M0463	2000000821	LT METERING BOX	No.	4717.00
TG-M0464	2000000822	HT METERING BOX	No.	13061.00
		<b><u>High Tension (HT) Cables</u></b>	-	
		<b>Cross Linked Poly Ethylene Aluminium (XLPE) cables</b>		
TG-M0465	2000000647	33KV UG ALU XLPE CABLE 1x1000 SQ MM.	Km.	1416000.00
TG-M0466	2000000650	33 KV 1x630 Sq.mm	Km.	1292950.00
TG-M0467	2000000656	33 KV 3x630 Sq.mm	Km.	3800000.00
TG-M0468	2000000648	33 KV 3x400 Sq.mm	Km.	2597432.00
TG-M0469	2000000646	11 KV 1x630 Sq.mm	Km.	985145.00
TG-M0470	2000000640	11 KV 3x300 Sq.mm	Km.	1606496.00
TG-M0471	2000000639	11 KV 3x120 Sq.mm	Km.	1037076.00
		<b><u>Low Tension (LT) XLPE Under Ground(UG) cables</u></b>	-	
TG-M0472	2000000615	2x16 Sq.mm	Km.	75872.00
TG-M0473	2000000618	4x25 Sq.mm	Km.	155880.00
TG-M0474	2000000625	4x120 Sq.mm	Km.	498153.00
TG-M0475	2000000620	4x240 Sq.mm	Km.	1063559.00
		<b><u>Pillar Boxes Open Type</u></b>	-	
TG-M0476	2000007841	MS LT OPEN TYPE 6 WAY PILLAR BOX	Each	28800.00

TG-M0477	2000001249	MS LT Open type 4 way pillar box	Each	32000.00
TG-M0478	2000001236	MS LT open type Mini pillar box	Each	11200.00
TG-M0479	2000001269	PILLAR BOX MS 6 way with HRC fuse	Each	79900.00
TG-M0480	2000001728	PILLAR BOX MS 4 way with HRC fuse	Each	50000.00
TG-M0481	2000000389	Fibre Reinforced Plastic (FRP) 4 way Pillar box	Each	19734.00
		<b><u>Joint Kits for Cables</u></b>	-	
		<b>Joint Boxes</b>		
		<b>Straight through type</b>		
		<b><u>Cross Linked Poly Ethylene (XLPE) cables</u></b>	-	
TG-M0482	2000000672	STRAIGHT JOINT KIT (Heat Shrinkable (HS) TYPE) FOR XLPE 33KV 3X400 SQMM	Each	23729.00
TG-M0483	2000000678	Straight Joint Kit (HS type) for 33KV, 1X 630 Sq mm XLPE cable	Each	7590.00
TG-M0484	2000000674	STRAIGHT JOINT KIT (HS TYPE) FOR 11KV 3X300 SQMM XLPE CABLE	Each	4885.00
TG-M0485	2000000673	STRAIGHT JOINT KIT (HS TYPE) FOR 11KV 3X120 SQMM XLPE CABLE	Each	4485.00
TG-M0486	2000007465	STRAIGHT JOINT KIT OD 33KV 3X630SQMM	Each	62651.00
		<b>Straight Joint Boxes</b>		
		<b>(a) Low Tension</b>		
		<b>Heat Shrinkable (HS) type, XLPE cable</b>		
TG-M0487	2000000705	1.1 KV 4 x 25 Sq.mm	Set	485.00
TG-M0488	2000000706	1.1 KV 4x120 Sq.mm	Set	796.00
TG-M0489	2000000707	1.1 KV 4 x 240 Sq mm	Set	1260.00

		<b>Outdoor type cable termination joint kit</b>		
		<b>Heat Shrinkable (HS) type</b>		
TG-M0490	2000000686	OD termination kit (outdoor - HS type) for 33KV 3X400 sq.mm cable	Each	9350.00
TG-M0491	2000000698	OD termination kit (outdoor - HS type) FOR 33KV 1X630 sq.mm cable	Each	7300.00
TG-M0492	2000001261	OD termination kit (outdoor - HS type) FOR XLPE 11KV 3X300 sq.mm cable	Each	1925.00
TG-M0493	2000000681	OD termination kit (outdoor - HS type) FOR XLPE 11KV 3X120 sq.mm cable	Each	2700.00
TG-M0494	2000007464	TERMINATION KIT OD 33KV 3X630SQMM	Each	17947.00
		<b><u>Indoor type Termination kit (HS type for XLPE cable)</u></b>	-	
		<b>Heat Shrinkable (HS) type</b>		
TG-M0495	2000000691	ID termination kit (Indoor) FOR XLPE 33KV 3X400 sq.mm	Each	6039.00
TG-M0496	2000000697	ID termination kit for XLPE 33 KV 1x630 Sq.mm	Each	4780.00
TG-M0497	2000000689	ID termination kit for XLPE 11KV 3X300 sq.mm	Each	1950.00
TG-M0498	2000000688	ID Termination kit for 11 KV, 3X120 sqmm	Each	1400.00
TG-M0499	2000007466	TERMINATION KIT ID 33KV 3X630SQMM		17126.00
		<b><u>Cable Compound</u></b>	-	
TG-M0500	2000001516	LT	Tonne	94300.00
		<b>`V' Trough</b>		
TG-M0501	200000169	V Trough for 33KV	Each	351.00
TG-M0502	200000168	V TROUGHS FOR 11KV	Each	220.00
TG-M0503	2000001432	33 KV RCC cover slab	Each	267.00

		<b>Spun Pipes</b>		
TG-M0504	5100000146	Spun pipe 225 mm (RCC)	Each	992.00
TG-M0505	5100000233	Spun pipe 150 mm (RCC)	Each	679.00
TG-M0506	5100000234	Spun pipe 100 mm (RCC)	Each	531.00
		<b>Under Ground (UG) service connection material</b>		
TG-M0507	2000001518	Aluminium LUGS 120 Sq.mm	Each	9.00
TG-M0508	2000001520	Aluminium LUGS 240 Sq.mm	Each	24.00
TG-M0509	2000001507	Aluminium line connector 120 Sq.mm	Each	8.00
TG-M0510	2000001508	Aluminium line connector 240 Sq.mm	Each	23.00
		<b>Aluminium Hollow pipe (Rate per kg)</b>		
TG-M0511	2000001033	Hollow pipe Alu. 1 inch OD - 3.1m length	No.	1193.00
TG-M0512	2000001367	Hollow pipe 38mm (1.5 Inch) dia,(Alu.Bus bar)	Kg.	836.00
TG-M0513	2000001369	Alu. Bus bar 50 mm-(2 Inch) Dia	Kg.	320.00
		<b>GROUP V - STEEL ITEMS</b>		
		<b>Mild Steel (M S) Rods/Rounds</b>		
TG-M0514	2000001595	12 mm	MT	66567.00
TG-M0515	2000001596	16 mm	MT	66567.00
TG-M0516	2000001597	20 mm	MT	66567.00
TG-M0517	2000001598	40 mm	MT	66567.00
		<b>Mild Steel (MS) Flats</b>		
TG-M0518	2000001454	50 x 6 mm	MT	DELETED
TG-M0519	2000001455	50 x 8 mm	MT	DELETED
TG-M0520	2000001456	65 x 10 mm	MT	DELETED

TG-M0521	2000001452	200 x 6 mm	MT	DELETED
TG-M0522	2000001453	300 x 8 mm	MT	DELETED
		<b>Rolled Steel (R.S.) Joist</b>		
TG-M0523	2000001485	250 x 125 mm <b>(11.19 kg/feet)</b>	MT	51695.00
TG-M0524	2000008985	42' RSJ pole	Each	24296.00
TG-M0525		40' RSJ pole	Each	23139.00
TG-M0526		36' RSJ pole	Each	20825.00
TG-M0527	2000001230	200 x 100 mm <b>(7.376 kg/feet)</b>	MT	46695.00
TG-M0528	2000001484	42' RSJ pole	Each	16638.00
TG-M0529	2000001939	40' RSJ pole	Each	15846.00
TG-M0530	2000001938	36' RSJ pole	Each	14261.00
TG-M0531	2000001937	33' RSJ pole	Each	11366.00
TG-M0532	2000001936	30' RSJ pole	Each	11884.00
		<b>Mild Steel (M.S.)Angles</b>		
TG-M0533	2000001303	50 x 50 x 6 mm	MT	67833.00
TG-M0534	2000001304	65 x 65 x 6 mm	MT	67965.00
		<b>M.S.Channel</b>		
TG-M0535	2000001386	75x40 mm	MT	68229.00
TG-M0536	2000001382	100x50 mm	MT	67899.00
TG-M0537	2000001383	125x 65 mm	MT	68798.00
TG-M0538	2000001384	150x75 mm	MT	67568.00
TG-M0539	2000001385	200x 75mm	MT	67568.00
TG-M0540	5000027334	50mm Aluminium Bus Bar	No.	427442.00

**TANGEDCO- COST DATA FOR THE YEAR 2024-25 -SUBSTATION MATERIALS**

<b>Unique Code</b>	<b>Material Code</b>	<b>Description</b>	<b>Unit</b>	<b>Recommended Rate for 2024-25 (Ex-works)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
		<b>33 KV Breakers (Outdoor)</b>		
TG-M0541	2000007960	33 kV VCB (outdoor) 1250A, 25KA with TC	No.	237386.00
		<b>33 KV Breakers (Indoor)</b>		
TG-M0542	2000007362	33 KV VCB Indoor (Transformer HV )	No.	973025.00
TG-M0543	2000007365	33 KV VCB Indoor (Transformer LV )	No.	947368.00
TG-M0544	2000007364	33 KV VCB Indoor (feeder)	No.	893448.00
TG-M0545	2000007363	33 KV VCB Indoor (Bus coupler)	No.	1207966.00
TG-M0546		33 KV Indoor GIS panel (Transformer HV)	No.	3155147.00
TG-M0547		33 KV Indoor GIS panel (for incoming feeder)	No.	3837400.00
TG-M0548		33 KV Indoor GIS panel with Bus raiser suitable for Bus Sectionalizer control	No.	4238614.00
		<b>11 KV Breakers (Outdoor)</b>		
TG-M0549	2000000059	11 kV VCB (outdoor),1250A, 25KA	No.	138703.00
		<b>11 KV Breakers (Indoor)</b>		
TG-M0550	2000001096	11 KV VCB Indoor (Transformer LV)	No.	574364.00
TG-M0551	2000001095	11 KV VCB Indoor (feeder)	No.	442675.00
TG-M0552	2000001099	11 KV VCB Indoor (Bus coupler)	No.	587329.00
TG-M0553		11 KV GIS Indoor (Transformer LV)	No.	3016284.00
TG-M0554		11 KV GIS Indoor (for outgoing Feeder)	No.	3207204.00

TG-M0555		11 KV Indoor GIS panel with Bus raiser suitable for Bus Sectionalizer control	No.	3838216.00
		<b>Power Transformers per Each</b>		
TG-M0556	2000008118	33/11 KV, 16 MVA with OLTC-Indoor	No.	12420996.00
TG-M0557	2000001764	33/11 KV, 8 MVA with OLTC -Outdoor	No.	6651544.00
		<b>AC Panels</b>		
TG-M0558	2000008855	AC Panel for 33 KV SS	No.	85738.00
TG-M0559		AC Panel with autochangeover facility for 33 KV Indoor GIS SS	No.	323504.00
		<b>DC Panels</b>		
		110V DC Panel	No.	
TG-M0560	2000000431	110V DC annunciator Type A including Static Relays	No.	86500.00
TG-M0561	2000000432	110V DC annunciator Type B including Static Relays	No.	82459.00
TG-M0562	2000000433	110V DC Distribution Panel (Indoor)	No.	83017.00
TG-M0563		DC Panel with autochangeover facility for 33 KV Indoor GIS SS	No.	239488.00
		<b>CONTROL &amp; RELAY PANEL</b>		
		<b>110 V DC C&amp;R (Indoor)</b>		
TG-M0564		110V DC indoor Control & Relay Panel for GC Breaker (Static Relay Version)	No.	36619.00
TG-M0565	2000000430	110V DC indoor Control & Relay Panel for GC Breaker (Numeric Relay Version)	No.	127688.00
TG-M0566		110V DC indoor Control & Relay Panel for LV Breaker (Static relay version)	No.	72319.00
TG-M0567	2000000429	110V DC indoor Control & Relay Panel for LV Breaker (Numeric relay version)	No.	253288.00
TG-M0568		110V DC indoor Control & Relay Panel for Twin feeder (Static relay version)	No.	52448.00
TG-M0569	2000001102	110V DC indoor Control & Relay Panel for Twin feeder (Numeric relay version)	No.	210421.00

		<b>CURRENT TRANSFORMERS</b>		
		<b>33 KV Outdoor CT</b>		
TG-M0570	2000000267	33 kV (1200-600-300 /1A) Out door type CT with TC	No.	25573.00
TG-M0571	2000000254	33 kV outdoor type(600-300-150/1A) CT with TC	No.	22601.00
		<b>11KV Indoor CT</b>		
TG-M0572	2000000255	11 KV Indoor CT (900-600/1A)	No.	30222.00
		<b>11KV Outdoor CT</b>		
TG-M0573	2000000259	11 KV Outdoor CT 1200-600/1-1A	No.	20061.00
TG-M0574	2000000252	11 KV OUT DOOR CT 1200-600-300/1-1A	No.	21186.00
TG-M0575	2000000257	11 kV (400-200-100/1A) Oil filled (Out Door) CT	No.	19288.00
TG-M0576	2000000253	11 KV OUTDOOR CT 400-200-100/1A	No.	14949.00
TG-M0577	2000001834	11 KV Outdoor CT Ratio 400-200/1-1A	No.	23009.00
		<b>POTENTIAL TRANSFORMERS</b>		
TG-M0578	2000000287	110 kV Outdoor PT with T.C,	No.	108968.00
TG-M0579	2000000286	33 KV Outdoor PT (1 Phase)	No.	22606.00
TG-M0580	2000000284	11 KV Outdoor PT (3 Phase)	No.	33230.00
		<b>BATTERIES</b>		
		<b>30V BATTERIES</b>		
TG-M0581	2000001077	30V, 60 AH Battery with stand	No.	35671.00
TG-M0582	2000001083	30V, 200 AH Battery with stand	No.	80108.00
		<b>48V BATTERIES</b>		
TG-M0583	2000001802	48V/400AH Batteries (SAN Container)	Set	233218.00
TG-M0584	2000001087	48V/250AH Batteries (SAN Container)	Set	178685.00

TG-M0585	2000001086	48V/120 AH batteries (SAN Container)	Set	104785.00
TG-M0586	2000007875	Scada Battery-48V/100AH (2V-24Nos per Set)	Set	55000.00
TG-M0587		204 Nos of 2V/600AH Battery <b>with rack</b> for Data centre (with buy back)	Set	1463400.00
TG-M0588		204 Nos of 2V/600AH Battery <b>with rack</b> for Disaster Recovery centre (with buy back)	Set	1469300.00
TG-M0589	2000001816	34 Nos of 12V/120AH Battery for <b>without rack</b> for Disaster Recovery Centre (with buy back)	Set	179400.00
		<b>110V BATTERIES</b>		
TG-M0590	2000001076	110V, 120AH With stand	Set	265943.00
TG-M0591	2000001853	110V, 120AH Without stand	Set	238970.00
TG-M0592	2000001793	110V, 300AH with stand	Set	474795.00
TG-M0593	2000001078	110V, 300AH without stand	Set	442262.00
		<b>BATTERY CHARGERS</b>		
		<b>30V</b>		
TG-M0594	2000003881	30V / 40 A (Thyristor based)	No.	51481.00
		<b>48V</b>		
TG-M0595		48V/120 Amps charger	No.	241432.00
TG-M0596	2000008050	48 V, 80 Amps charger	No.	137224.00
TG-M0597	2000007540	48 V, 40 Amps charger	No.	71729.00
TG-M0598		48 V, 20 Amps charger	No.	52669.00
		<b>110V</b>		
		<b>110V/60Amps battery charger</b>	No.	
TG-M0599	2000000067	110 V, 60 Amps Battery charger	No.	134378.00
TG-M0600	2000000066	110 V, 24 Amps Battery charger	No.	48376.00

		<b>RELAYS</b>		
		Differential Relay	No.	
TG-M0601	2000007716	Numerical Directional O/C, E/F Relay	No.	75000.00
TG-M0602	2000000238	Numerical Transformer Differential Relay	No.	282000.00
		<b>SHUNT CAPACITOR</b>		
TG-M0603	2000000394	1 KVAR	No.	390.00
TG-M0604	2000000395	2 KVAR	No.	504.00
TG-M0605	2000000396	3 KVAR	No.	654.00
TG-M0606	2000000397	4 KVAR	No.	810.00
TG-M0607	20000000398	6 KVAR	No.	1342.00
		<b>VARIOUS CAPACITIES OF CAPACITOR BANK CELLS</b>		
TG-M0608	2000000408	266 KVAR /7.31 KV / 1 phase 50 HZ 36.4 amps Capacitor cell	No.	21529.00
		<b>VACUUM INTERRUPTER</b>		
		Vacuum interrupter	No.	
TG-M0609	2000001280	12 kV CGL make Vacuum interrupter type 34599 M3+/1250 A	No.	15451.00
TG-M0610	2000000063	Vacuum interrupter for 33 KV VCB	No.	45000.00
		<b>Copper control cables</b>		
TG-M0611	2000000626	2C x 2.5 sq.mm armoured copper control cable	Km.	71982.00
TG-M0612	2000000631	4C x 2.5 sq.mm armoured copper control cable	Km.	121683.00
TG-M0613	2000000632	4C x 4 sq.mm armoured copper control cable	Km.	176686.00
TG-M0614	2000000633	8C x 2.5 sq.mm armoured copper control cable	Km.	216458.00
TG-M0615	2000000634	8C x 4 sq.mm armoured copper control cable	Km.	324582.00
TG-M0616	2000000635	14C x 2.5 sq.mm armoured copper control cable	Km.	362536.00

**TANGEDCO -COST DATA FOR THE YEAR 2024-25- SAFETY MATERIALS**

<b>Unique Code</b>	<b>Material Code</b>	<b>Description</b>	<b>Unit</b>	<b>Recommended rate for 2024-25 (Ex-works)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
		<b>PERSONNEL PROTECTIVE EQUIPMENTS</b>		
TG-M0617	3000000066	Rubber hand gloves	Pair	695.00
TG-M0618	5100000219	Rain Coat	No.	700.00
TG-M0619	5100000301	Rechargeable torch light	No.	365.00
TG-M0620	5100000131	Safety Belt	No.	867.00
TG-M0621	2000001316	20 mm White cotton belt rope	No.	157.00
TG-M0622	2000001788	18 mm White cotton belt rope	No.	131.00
TG-M0623	2000007513	16mm Cotton Belt rope	No.	258.00
TG-M0624	2000001314	12mm White cotton belt rope	No.	187.00
TG-M0625	2000001885	BELT ROPE MANILA 0.5"	Kg	549.00
TG-M0626	2000001886	Manila rope 3/4"	Kg	549.00
TG-M0627	2000001307	Manila rope 1"	Kg	549.00
TG-M0628	3000000022	Rescue Jacket	No.	644.00
TG-M0629	3000000023	Reflective Safety Jacket	No.	678.00
TG-M0630	2000001947	Safety Shoes 9"	No.	1350.00
TG-M0631	2000001974	SAFETY HELMET	No.	254.00
		<b>Fire Rescue Equipments</b>		
TG-M0632	2000008094	6 KG ABC type	No.	1445.00
TG-M0633	2000002140	6.5 Kg Co2 type	No.	7400.00
TG-M0634	2000001198	6.8 Kgs. Co2 type	No.	9200.00

TG-M0635	2000001194	9L Foam type	No.	1717.00
TG-M0636	2000001206	9L Fire bucket	No.	246.00
TG-M0637	2000001207	10L Fire Bucket	No.	400.00
TG-M0638	2000001199	5 Kgs. DCP Type(Dry Chemical Powder)	No.	1819.00
TG-M0639	2000001191	6 Kgs. DCP Type	No.	3131.00
TG-M0640	2000001192	9 Kgs. DCP Type	No.	2654.00
TG-M0641	2000001200	10 Kgs. DCP Type	No.	4763.00
TG-M0642	2000001201	25 Kgs. DCP Type Trolley mounted	No.	9219.00
		<b>ROPE</b>		
TG-M0643	2000007622	Polypropyelene rope 1/2" dia (12 mm)	Kgs.	175.00
TG-M0644	2000001310	Polypropyelene rope 3/4" dia (18 mm)	Kgs.	190.00
TG-M0645	2000001311	Polypropyelene rope (20 mm)	Kgs.	184.00
TG-M0646	2000001312	Polypropyelene rope 1" dia (25 mm)	Kgs.	204.00
TG-M0647	2000001313	Polypropyelene rope (32 mm)	Kgs.	190.00
TG-M0648	2000001073	SF6 gas in 50 Kgs. cylinder		84500.00

**TAMIL NADU TRANSMISSION  
CORPORATION LTD.  
(TANTRANSCO)**

### Structure for Unique Item Codes

<b>Item Code</b>	<b>Item Type</b>
TR	Tamil Nadu Transmission Corporation LTD.
L	Labour
M	Materials
W	Works

**Note:**

Unique item codes in the Schedule of Rates are to be referenced during estimate preparation. The unique code follows a structure "TR-A1234" mentioned in the 'Unique Code' column in each sheet

**TAMIL NADU TRANSMISSION CORPORATION**

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Basic Rate approved (w.e.f. 15.07.2024)</b>
	<b>RATES OF MATERIALS</b>		
<b>I</b>	<b>Auto Transformers &amp; Power Transformers</b>		
TR-M0001	765/420 kV, 500MVA, single phase Interconnection Transformer with OLTC, with Nitrogen Injection Fire Protection System and line materials required for formation of tertiary delta and neutral bus.	No.	207062825.00
TR-M0002	400/230/33 kV 500 MVA, 3 Phase 50 C/S, YNaod11, Auto Transformer with OLTC and NFIPS	No.	240278822.00
TR-M0003	400/230 kV, 315 MVA Auto (3 phase unit) transformer with OLTC and Nitrogen Injection Fire Protection System (NIFPS) with RTCC Panel, compatible with the SAS and all control cables	No.	105011019.00
TR-M0004	400/110 kV, 200 MVA Auto(3 phase unit) transformer with OLTC and NFIPS	No.	166812293.00
TR-M0005	230/110 kV, 160 MVA Auto Transformer with OLTC and Nitrogen Injection Fire Protection System (NIFPS)	No	114555539.00
TR-M0006	230/110 kV, 100 MVA Auto Transformer with OLTC and Nitrogen Injection Fire Protection System (NIFPS)	No	75259273.00
TR-M0007	230/33kV, 50 MVA Power Transformer with OLTC	No	57328773.00
TR-M0008	110/33 kV, 50 MVA Power Transformer with OLTC.	No.	33990000.00
TR-M0009	110/33-22 kV, 25 MVA Power Transformer with OLTC	No.	22512837.00
TR-M0010	110/33-11 kV, 16 MVA Power Transformer with OLTC	No.	17473047.00
TR-M0011	110/33-11 kV, 10 MVA Power Transformer with OLTC	No.	11498473.00
TR-M0012	110/22-11 kV, 16 MVA Power Transformer with OLTC	No.	17473047.00
TR-M0013	110/22-11 kV, 10 MVA Power Transformer with OLTC	No.	11498473.00
<b>II</b>	<b>Reactors</b>		
TR-M0014	765 kV,110 MVAR, Single phase Bus Reactor with Nitrogen injection fire protection system and line materials for connectivity.	No.	87980299.00
TR-M0015	765kV 110 MVAR single phase Line reactor with NGR with Nitrogen Injection Fire Protection System (NIFPS) and line materials for connectivity	No.	87980299.00

TR-M0016	765kV 80 MVAR single phase Bus reactor with Nitrogen Injection Fire Protection System (NIFPS)	No.	70488519.00
TR-M0017	765kV 80 MVAR single phase Line reactor with NGR with Nitrogen Injection Fire Protection System (NIFPS)	No.	70488519.00
TR-M0018	400 kV, 125 MVAR, Bus Reactor, with Nitrogen Injection Fire Protection System (NIFPS) three phase	No.	89432907.00
TR-M0019	400kV, 80 MVAR Bus Reactor with NIFPS	No.	75596247.00
<b>III</b>	<b>Breakers</b>		
TR-M0020	765 kV, 3150A, 50 KA, 3PH Outdoor SF6 Breaker with support structure, pre-insertion resistor, CSD (Control Switching Device) and <b>provision for continuous monitoring of SF.6 pressure is SAS Compatible arrangement</b> with transducer.	No.	17423129.00
TR-M0021	765 kV, 3150A, 50 KA, 3PH Outdoor SF6 Breaker with support structure, CSD and without pre-insertion resistor and <b>provision for continuous monitoring of SF.6 pressure is SAS Compatible arrangement with transducer.</b>	No.	14131202.00
TR-M0022	765 kV, 3150A, 50 KA, 3PH Outdoor SF6 Breaker with support structure with pre-insertion resistor without CSD and <b>provision for continuous monitoring of SF.6 pressure is SAS Compatible arrangement with transducer.</b>	No.	16379347.00
TR-M0023	420 kV, 3150A, 63KA, 3PH Outdoor SF6 Breaker with support structure with pre-insertion resistor with CSD.	No.	6985310.00
TR-M0024	420 kV, 3150A, 63KA, 3PH Outdoor SF6 Breaker with support structure with pre-insertion resistor without CSD.	No.	5780946.00
TR-M0025	420 kV, 3150A, 63KA, 3PH Outdoor SF6 Breaker with support structure without pre-insertion resistor with CSD.	No.	4085623.00
TR-M0026	420 kV, 3150A, 63KA, 3PH Outdoor SF6 Breaker with support structure without pre-insertion resistor without CSD.	No.	3146791.00
TR-M0027	245 kV, 2000A, 50 KA/3 sec outdoor SF6 Breaker with support structure	No.	1237377.00
TR-M0028	110 kV SF6 (outdoor) 40 KA Breaker with support structure.	No.	564,844.00
TR-M0029	33 kV VCB (outdoor) 1250A, 25KA with TC	No.	237,386.00
TR-M0030	11 kV VCB (outdoor), 1250A, 25KA	No.	138,703.00

<b>IV</b>	<b>Current Transformers</b>		
TR-M0031	765 kV single phase 6 core current Transformer, 3000A, 50 KA, 1 Sec. with support structure and accessories and junction box	No.	2111492.00
TR-M0032	420 kV, 3000A, 63 KA, 5 core single phase current Transformer with support structure, accessories (3000-2000-500/1A)	No.	832775.00
TR-M0033	230 kV (2000-1200-800/1A)	No.	301725.00
TR-M0034	230 kV (1600-800/1A) Outdoor CT with TC (5Core)	No.	302641.00
TR-M0035	110 kV out door single phase, oil filled, live tank Current Transformers of ratio (1200-600-300/1A, 5 core) with the associated Terminal Connectors and accessories.	No.	161299.00
TR-M0036	110KV Outdoor Single Phase, oil filled, live tank Current Transformers of ratio (600-300-150/1A,5 core) with the associated Terminal Connectors and accessories.	No.	140495.00
TR-M0037	33 kV (1200-600-300 /1A) Out door type CT with TC	No.	25573.00
TR-M0038	33 kV outdoor type(600-300-150/1A) CT with TC	No.	22601.00
TR-M0039	11 kV (400-200-100/1A) Oil filled (Out Door) CT	No.	19288.00
<b>V</b>	<b>CVT</b>		
TR-M0040	765 kV single phase CVT with support structure and 1 no junction box	No.	912274.00
TR-M0041	400 kV single phase CVT with support structure	No.	257710.00
TR-M0042	230 kV single phase CVT with structure	No.	172531.00
TR-M0043	110 kV single phase CVT with structure	No.	158060.00
<b>VI</b>	<b>Potential Transformers</b>		
TR-M0044	230 kV Outdoor PT with Terminal Connectors without support structure	No.	253483.00
TR-M0045	110 kV Outdoor PT with T.C,	No.	108967.63
<b>VII</b>	<b>LAS</b>		
TR-M0046	624 kV Lightning arrester with support structure <b>with contionous monitoring of Leakage current in SAS Compatible arrangement -</b>	No.	839628.00
TR-M0047	400 kV Lightning arrester without support structure <b>with contionous monitoring of Leakage current in SAS Compatible arrangement - (Polymer type, 60KA)</b>	No.	181079.00

TR-M0048	230 kV Lightning arrester without support structure	No.	44881.00
TR-M0049	110 kV Lightning arrester without support structure	No.	27372.00
<b>VIII</b>	<b>AB Switches</b>		
TR-M0050	765kV 3150 A 50KA isolator with double earth with insulator with support structure	Set	3363837.00
TR-M0051	765kV 3150 A 50KA isolator with single earth with insulator with support structure	Set	3103695.00
TR-M0052	765 kV, 3150Amps, 50 KA, Isolator (single phase) with double earth with Insulator with support structure.	Set	2287136.00
TR-M0053	765 kV,3150 Amps,50 KA, Isolator (single phase) with single earth with Insulator with support structure.	Set	2142612.00
TR-M0054	765 kV,3150 Amps,50 KA, Isolator (single phase) without earth with Insulator with support structure.	Set	1969184.00
TR-M0055	420 kV, 3150 A, 63KA centre break Isolator with double earth with Insulator with support structure.	Set	1211568.00
TR-M0056	420 kV, 3150 A, 63 KA centre break Isolator with single earth with Insulator with support structure.	Set	1030964.00
TR-M0057	420 kV, 3150 Amps.63KA, Isolator (single phase) with double earth with Insulator with support structure.	Set	826558.00
TR-M0058	420 kV, 3150 Amps, 63KA, Isolator (single phase) with single earth with Insulator with support structure.	Set	721056.00
TR-M0059	420kV, 3150 Amps, 63KA, Isolator (single phase) without earth with Insulator with support structure.	Set	615553.00
TR-M0060	230 kV centre break AB Switch WOE 2000A without support structure	Set	281981.00
TR-M0061	230 kV centre break AB Switch WE 2000A without support structure	Set	370850.00
TR-M0062	110 kV centre break AB Switch WE 2000A without support structure	Set	218763.00
TR-M0063	110 kV centre break AB Switch WOE 2000A without support structure	Set	172571.00
<b>IX</b>	<b>Batteries</b>		
TR-M0064	220V, 535 Ampere Hour (AH) battery complete set with stand, insulators and terminal connectors Electrolyte, Hydrometer Room Thermometer and Multimeter	Set	1466122.00
TR-M0065	220V, 300 Ampere Hour battery complete set with wooden stand	Set	959681.00

TR-M0066	220V, 300 AH without stand	Set	884525.00
TR-M0067	110V, 300AH with stand	Set	474795.00
TR-M0068	110V, 300AH without stand	Set	442262.00
TR-M0069	110V, 120AH With stand	Set	265943.00
TR-M0070	110V, 120AH Without stand	Set	238970.00
TR-M0071	48V/400AH Batteries (SAN Container)	Set	233218.00
TR-M0072	48V/250AH Batteries (SAN Container)	Set	178685.00
TR-M0073	48V/120 AH batteries (SAN Container)	Set	104785.00
<b>X</b>	<b>Battery Chargers</b>		
TR-M0074	220V, 100 Amps Battery charger with potential free contacts for all indications for SAS interface.	Each	569307.00
TR-M0075	220V, 80 Amps Battery charger with potential free contacts for all indications for SAS interface.	Each	256200.00
TR-M0076	220V, 60 Amps Battery charger with potential free contacts for all indications for SAS interface.	Each	173569.00
TR-M0077	110 V, 60 Amps Battery charger	Each	134378.00
TR-M0078	110 V, 24 Amps Battery charger	Each	48376.00
	<b>Thyristor version battery chargers (for communication applications)</b>		
TR-M0079	48 V, 80 Amps chargers	Each	137224.00
TR-M0080	48 V, 40 Amps chargers	Each	71729.00
TR-M0081	48 V, 20 Amps chargers	Each	52699.00
<b>XI</b>	<b>Cables - Control Cables Armoured (Copper, Multi stranded)</b>		
TR-M0082	8 x 2.5 Sq.mm	Km	216458.00
TR-M0083	14 x 2.5 Sq.mm	Km	362,536.00
TR-M0084	20 X 2.5 sq.mm	Km	504,159.00
TR-M0085	28 X 2.5 sq.mm	Km	839,012.00
TR-M0086	14 X 4 sq.mm	Km	613,528.00

TR-M0087	8 X 4 sq.mm	Km	324582.00
TR-M0088	2 x 35 Sq.mm	Km	786558.00
<b>XII</b>	<b>Extra High Tension Cable and accessories</b>		
TR-M0089	400 kV 1CX2500 Sq.mm XLPE copper cable	Km	57606751.00
TR-M0090	230 kV 1x1200 Sq.mm Aluminium XLPE cable	Km	8937828.00
TR-M0091	110 kV 1x630 Sq.mm Aluminium XLPE cable	Km	8360591.00
TR-M0092	400 kV normal straight joint for 400 kV 1CX2500 Sq.mm XLPE copper cable	No.	3713333.00
TR-M0093	400 kV Insulated straight joint for 400 kV 1CX2500 Sq.mm XLPE copper cable	No.	3713333.00
TR-M0094	400 kV outdoor cable termination for 400 kV 1CX2500 Sq.mm XLPE copper cable	No.	5256590.00
TR-M0095	400 kV indoor GIS termination for 400 kV 1CX2500 Sq.mm XLPE copper cable	No.	2316633.00
TR-M0096	230 kV straight through joint for 230 kV 1C X 1200 Sq.mm XLPE Alu cable	No.	432742.00
TR-M0097	230 kV insulated joint for 230 kV 1CX1200 Sq.mm XLPE Alu cable	No.	432742.00
TR-M0098	230 kV indoor termination kit for 230 kV 1CX1200 Sq.mm XLPE Alu cable	No.	650821.00
TR-M0099	230 kV outdoor termination kit for 230 kV 1CX1200 Sq.mm XLPE Alu cable	No.	1211400.00
TR-M0100	400 kV 3 ph link box with CCPU (Cable Cover Protection Unit)	No.	330446.00
TR-M0101	400 kV 3 ph link box without CCPU	No.	272788.00
TR-M0102	400 kV 1 ph link box with CCPU	No.	94776.00
TR-M0103	400 kV 1 ph link box without CCPU	No.	65877.00
TR-M0104	230 kV 1 phase link box with CCPU	No.	40074.00
TR-M0105	230 kV 3 phase link box with CCPU	No.	181948.00
TR-M0106	230 kV 3 phase link box without CCPU	No.	84776.00
TR-M0107	230 kV 1 phase link box without CCPU	No.	25605.00
TR-M0108	6.35/11 kV, 400 sq.mm sheath bounding cable	Km	4423027.00

TR-M0109	110 kV straight through joint for 630 sq.mm	No.	186837.00
TR-M0110	110 kV insulated joint for 630 sq.mm	No.	194213.00
TR-M0111	110 kV outdoor termination kit for 1x630 sq.mm Al.cable	No.	501335.00
TR-M0112	110 kV 3 ph link box with CCPU	No.	55313.00
TR-M0113	110 kV 3 ph link box without CCPU	No.	55618.00
TR-M0114	110 kV 1 ph link box without CCPU	No.	21941.89
TR-M0115	110 kV 1 ph link box with CCPU	No.	37124.00
<b>XIII</b>	<b>Fire Fighting Equipments</b>		
TR-M0116	Fire extinguisher foam type trolley mounted 60 Ltr capacity with accessories.	No.	9612.00
TR-M0117	Fire extinguisher foam type trolley mounted 50 Ltr capacity with accessories.	No.	7314.00
TR-M0118	Fire extinguisher foam type trolley mounted 9 Ltr capacity with accessories	No.	1717.00
TR-M0119	Fire extinguisher DCP type trolley mounted 25 KG capacity with accessories.	No.	9219.00
TR-M0120	Fire extinguisher DCP type portable 9 Kg capacity.	No.	2654.00
<b>XIV</b>	<b>GIS Equipments (Breakers, Bus PT, Earth Switch)</b>		
TR-M0121	Full Diameter: 800 kV GIS SF6 indoor Transformer bay provision with double bus, one and half breaker along with all equipments including Gas insulated line for 3 single phase unit and 1 spare unit for substiting the spare unit Tr . and SF6 to Air bushing and online PD Monitoring sytems. (3150 A, 50 KA, SF6 transformer bay modules with CSD-2)- 1 set	Dia/ Set	342502082.00
TR-M0122	Full Diameter: 800 kV GIS SF6 indoor feeder bay provision with double bus, one and half breaker along with all equipments including gas insulated line and SF6 to air bushing and online PD Monitoring. (3150 A, 50 KA, SF6 feeder line bay module with PIR-1)	Dia/ Set	300062962.00
TR-M0123	Full Diameter:550 kV SF6 GIS Indoor Transformer bay provision with double bus, One & half breaker along with all the equipments including Gas insulated line for 3 single phase unit and online PD monitoring with CSD (3150 A, 63 KA, SF6 transformer bay modules with CSD-2)- 1 set	Dia/ Set	188558942.00

TR-M0124	Full Diameter: 550 kV SF6 GIS indoor feeder bay provision with double bus, one and half breaker along with all equipments including gas insulated line and SF6 to air bushing and online PD Monitoring. inclusive of three numbers of single phase VTs with disconnector switch and online PD Monitoring with test bushing arrangement (2 F) (3150 A, 63 KA, SF6 feeder line bay module with PIR-1)	Dia/ Set	177568473.00
TR-M0125	Full Diameter: 550 kV GIS SF6 Indoor Reactor bay provision with double bus, One & half breaker along with all the equipments including Gas insulated line for 3 sinle phase unit and SF6 to Air bushing and online PD Monitoring sytems. and online PD monitoring with CSD for Reactor bay and Tie breaker. 3Nos single phase line VT for spare feeder bay. (1 Reactor and 1 Spare Feeder) (3150 A, 63 KA, SF6 transformer bay modules with CSD-2)- 1 set	Dia/ Set	188558942.00
TR-M0126	765kV, VTs with dis-connector Assembly in separate chamber for bus section -Single phase.	Set	19201208.00
TR-M0127	420kV, SF6 GIS Indoor Feeder bay with double bus, one and half breaker along with all equipments, with on line PD Monitoring system.	Bays	82734042.00
TR-M0128	420kV, SF6 GIS transformer bay with double bus, one and half breaker along with all equipments,with on line PD Monitoring system.	Bays	171137203.00
TR-M0129	420kV, SF6 GIS auxiliary bus arrangement with Disconnector, one number single phase PT and earth switch for the single phase spare ICT.	Set	14778119.00
TR-M0130	110kV, SF6 GIS Indoor Feeder bay with all equipments	Bays	12770243.00
TR-M0131	110kV, SF6 GIS Indoor Transformer bay with all equipments	Bays	11632525.00
TR-M0132	110kV, SF6 GIS bus coupler bay with all accessories	Bays	5476491.00
TR-M0133	230KV isolated Phase GIS Outdoor Feeder Bays having Double bus arrangement containing High speed earth switch, CTs, PTs with disconnector (Motorised), Disconnector, Maintenance Earth switch, Circuit Breaker, Busbar disconnector,LCC and Fixed part of for the cable connection with <b>all safety devices</b> , surge Arrester, rupture disc and density monitor in each compartment per phase with buffer compartment and provision for offline PD measurement.	Bays	28293464.00

TR-M0134	230KV isolated Phase GIS Outdoor Transformer Bays having Double bus arrangement containing High speed earth switch, CTs, Disconnecter, Maintenance Earth switch, Circuit Breaker, Busbar disconnecter,LCC, surge Arrester, rupture disc and density monitor in each compartment per phase with buffer compartment and provision for offline PD measurement. (with SF6 to air bushing arrangement)	Bays	37469727.00
TR-M0135	230KV isolated phase GIS out door Bus coupler containing Breaker, CTs, Disconnectors, Maintenance Earth switch LCC with all safety devices, rupture disc and density monitor in each compartment per phase with buffer compartment and provision for offline PD measurement.	Bays	21105402.00
TR-M0136	110KV GIS out door Feeder Bays containing High speed earth switch, PT, CT, Disconnecter, Maintenance Earth switch, Circuit breaker, Busbar disconnecter, LCC and Fixed part for the cable connection, PRV and density monitor for each compartment and Surge Arrestor.	Bays	12255569.00
TR-M0137	110KV GIS out door Transformer Bays containing High speed earth switch, CT, Disconnecter, Maintenance Earth switch, Circuit breaker, Busbar disconnecter, LCC and Fixed part for the cable connection PRV and density monitor for each compartment and Surge Arrestor	Bays	8492390.00
TR-M0138	110KV out door Bus Coupler with breaker ,LCC,PRV & density monitor	Set	5046418.00
TR-M0139	400kV voltage transformer (single phase) with Disconnecter assembly in separate chamber.	Set	5722819.00
TR-M0140	230KV 3 phase GIS Outdoor Bus Bar PTs with Isolator (Motorised).	Set	10552706.00
TR-M0141	33KV GIS out door Bus PT with disconnectors (Motorised)	Set	2783470.00
TR-M0142	420 kV Earth Switch for bus	Each	2236547.00
TR-M0143	230KV GIS outdoor BusBar Earth switch.	Each	4588131.00
TR-M0144	110KV out door Bus bar earth switch	Each	1225561.00
TR-M0145	33KV out door GIS Bus Earthing Switch	Each	382347.00
TR-M0146	230 KV Hybrid GIS Module for bus coupler bay	No.	10382670.00
TR-M0147	110 KV Hybrid Bus coupler breakers	No.	10254344.00
<b>XV</b>	<b>Capacitor Bank</b>		
TR-M0148	110 kV / 24 MVAR	Set	4564545.00
TR-M0149	22kV capacitor bank /2.4 MVAR	Set	394988.00

TR-M0150	11 kV capacitor bank/ 2.4 MVAR	Set	401485.00
TR-M0151	11kV / 2 MVAR auto switched shunt capacitor bank	Set	290472.00
TR-M0152	266 KVAR /7.31 KV / 1 phase 50 HZ 36.4 amps Capacitor cell	No.	21529.00
<b>XVI</b>	<b>Panels</b>		
<b>a.</b>	<b>AC Panels (Each)</b>		
TR-M0153	230 kV SS (Under Voltage , Over Voltage Static relays included)	No.	144488.00
TR-M0154	110 kV SS (Under Voltage , Over Voltage Static relays included)	No.	100555.00
<b>b.</b>	<b>DC Panels (each)</b>		
TR-M0155	220V DC Distribution Panel for 230 kV OR 110kV SS (DC Under Voltage, Over voltage Static relays included)	No.	85057.00
TR-M0156	110V DC indoor Control & Relay Panel for GC Breaker (Static Relay Version)	No.	36619.00
TR-M0157	110V DC indoor Control & Relay Panel for GC Breaker (Numeric Relay Version)	No.	127688.00
TR-M0158	110V DC indoor Control & Relay Panel for LV Breaker (Static relay version)	No.	72319.00
TR-M0159	110V DC indoor Control & Relay Panel for LV Breaker (Numeric relay version)	No.	253288.00
TR-M0160	110V DC indoor Control & Relay Panel for Twin feeder (Static relay version)	No.	52448.00
TR-M0161	110V DC indoor Control & Relay Panel for Twin feeder (Numeric relay version)	No.	210421.00
TR-M0162	110V DC outdoor Control & Relay Panel	No.	29865.00
<b>XVII</b>	<b>Bay Marshalling Box</b>		
TR-M0163	Marshalling box	No.	47899.00
<b>XVIII</b>	<b>Control &amp; Relay (C&amp;R) Panel (With SAS)</b>		
TR-M0164	765 kV Relay panel for Transformer/ Reactor	No.	1579691.00
TR-M0165	765 kV Relay panel for Feeder	No.	1579691.00
TR-M0166	765 kV Bus bar protection panel	No.	2684713.00
TR-M0167	765 kV Relay panel for Tie Breaker	No.	368594.00
TR-M0168	Islanding panel for 765 kV Feeder Transformer/ Reactor	No.	1474378.00

TR-M0169	Control & protection Panel for 765kV Line /Feeder	No.	1598250.00
TR-M0170	Control & protection Panel for 765kV /400 kV ICT	No.	1206119.00
TR-M0171	Control & protection Panel for 765kV Bus reactor	No.	2551254.00
TR-M0172	Control & protection Panel for 765kV Line reactor	No.	2551254.00
TR-M0173	Control & protection Panel for 400kV Line / Feeder	No.	1492077.00
TR-M0174	Control & protection Panel for 400kV Tie breaker bay	No.	508407.00
TR-M0175	Control & protection panel for 400 kV Line for remote end station (with integration)	No.	4441313.00
TR-M0176	Control & protection panel for 400/230 kV ICT	No.	1403416.00
TR-M0177	Control & protection panel for 400/110 kV ICT	No.	1329273.00
TR-M0178	Control & protection panel for 230 kV Feeder	No.	857619.00
TR-M0179	Control & protection panel for 230/110 kV Auto Transformer	No.	1240185.00
TR-M0180	Control & protection panel for 230 kV Bus coupler	No.	446676.00
TR-M0181	Control & protection panel for 110kV Feeder	No.	777743.00
TR-M0182	Control & protection panel for 110 kV Bus coupler panel	No.	420401.00
TR-M0183	Control & protection panel for 110kV Transfer Bus Coupler	No.	420401.00
TR-M0184	230 kV Bus bar protection Relay panels (15 bays)	No.	1629057.00
TR-M0185	230 kV Bus bar protection Relay panels (12 bays)	No.	1077717.00
TR-M0186	Control & protection panel for 110 kV Bus bar protection Relay Panel (up to 23 bays)	No.	1194227.00
TR-M0187	110 kV Bus coupler panel	No.	420401.00
TR-M0188	110 kV Bus bar protection Relay Panel	No.	1944358.00
TR-M0189	Synchronising cum Islanding Panel for 400kV Bays	No.	325168.00
TR-M0190	Synchronizing cum islanding panel for 230 kV bays (SAS)	No.	394126.00
TR-M0191	Synchronizing cum islanding panel for 110 kV bays (SAS)	No.	394126.00
TR-M0192	110 kV Capacitor bank C&R panels	No.	683153.00
<b>XIX</b>	<b>Control &amp; Relay (C&amp;R) Panel (Without SAS)</b>		
TR-M0193	Control & Relay Panel for 400/110 kV ICT	No.	909403.00

TR-M0194	400 kV Bus Bar Protection Panel (Equipped for 20 circuits)	No.	3429098.00
TR-M0195	control and relay panel for 230 kV Feeder	No.	742531.00
TR-M0196	Control and Relay Panel for 230/110 kV Auto Tr.	No.	883264.00
TR-M0197	230 kV Bus bar protection Relay panels (Equipped upto 12 circuits) Single Bus	No.	1756393.00
TR-M0198	230 kV Bus bar protection Relay panels (Equipped upto 12 circuits) Double Bus	No.	1761648.00
TR-M0199	230 kV Bus bar protection Relay panels (Equipped upto 20 circuits) Double Bus	No.	2168936.00
TR-M0200	C&R panel for 230 kV Bus Coupler	No.	325285.00
TR-M0201	Control & relay panel for 110 kV feeder	No.	503750.00
TR-M0202	110 kV Bus Bar Protection Relay Panels (Equipped upto 14 circuits) Single Bus	No.	1685518.00
TR-M0203	110 kV Bus Bar Protection Relay Panels (Equipped upto 14 circuits) Double Bus	No.	1689197.00
TR-M0204	110 kV Bus Bar Protection Relay Panels (Equipped upto 22 circuits) Single Bus	No.	2028938.00
TR-M0205	110 kV Bus Coupler Panel	No.	306893.00
TR-M0206	Synchronizing panel	No.	143169.00
<b>XX</b>	<b>Carrier Communication (CC) Equipments</b>		
<b>a.</b>	<b>230 kV Outdoor</b>		
TR-M0207	Coupling Device	No.	71949.00
TR-M0208	Wave Trap (0.5mH/1250 A)	No.	131195.00
TR-M0209	Solid core supporting Insulator	No.	66366.00
TR-M0210	Galvanized steel structure	No.	36501.00
<b>b.</b>	<b>Others</b>		
TR-M0211	Sub station Automation System for 765/400 kV SS for 23 bays (11nos 765kV Bays, 12nos 400kV Bays)	LS	13613969.00
TR-M0212	Sub-station Automation System for 400kV/230kV/110kV SS (Up to 33 Electrical bays)	LS	5911901.00
TR-M0213	Numerical Distance Protection Relay (110 kV)	No.	273000.00
TR-M0214	Numerical Directional O/C, E/F Relay	No.	75000.00
TR-M0215	Numerical U/F Relay with accessories	No.	80000.00

TR-M0216	Numerical Transformer Differential Relay	No.	282000.00
TR-M0217	Numeric Feeder Protection Relay (230 kV).	No.	357000.00
TR-M0218	Main-1 Numerical line differential protection relay with associated materials for 230 KV Line	Set	480000.00
TR-M0219	Main-2 Numerical line differential protection relay with associated materials for 230 KV Line	Set	480000.00
TR-M0220	Main Numerical line differential protection relay with associated materials for 110 KV Line	Set	480000.00
TR-M0221	48 fiber OFC cable with splicing box, HDPE pipe and FODP panel	Km	281757.00
TR-M0222	ADSS - 24 Fibre OPTIC Cable, with Accessories including erection of ADSS.	set	231382.00
TR-M0223	Optical Amplifiers 10 dB output	No.	150939.00
TR-M0224	Optical Amplifiers 15 dB output	No.	271074.00
TR-M0225	Optical Amplifiers 20 dB output	No.	271074.00
TR-M0226	Bit Error Rate Meter	No.	125785.00
TR-M0227	Optical Power Meter	No.	72960.00
TR-M0228	Optical Source	No.	223444.00
TR-M0229	Optical Time Domain reflectometer ODR (+5 to -45dB range sensitivity)	No.	158599.00
TR-M0230	Master clock for the synchronization of MPLS equipment: Type M3000 or similar	No.	284494.00
TR-M0231	Digital Communication Analyzer: PFA-35 or similar for signal analysis on 64kbit/s/2Mbit/s level	No.	125785.00
TR-M0232	Optical Splicing Kit	No.	303745.00
TR-M0233	40W PLCC Carrier set with 4 command PC	No.	252911.00
TR-M0234	Multi Core cable 0.6mm 4 pair/km	Km	56714.00
TR-M0235	OLTC Transducers	No.	3333.00
TR-M0236	Multi function Transducers	No.	8662.00
TR-M0237	Selective Level Meter and Level Oscillator	No.	1006085.00
TR-M0238	Protection Coupler(Analog) 4 command	No.	252911.45
TR-M0239	8 command stand alone Digital Tele Protection Coupler	No.	318712.36
TR-M0240	RTU for TANTRANSCO Substation	No.	1353605.00

TR-M0241	Integrated 12 port 100 Mbps/1G base Optical/Electrical Open shortest Path First protocol (OSPF) Routing Interface card with minimum 256 Nos. Virtual LAN (VLAN) router instance/port. The routing capacity shall be 20 Gbits/s.	Each	83214.00
TR-M0242	4 ch. Diff. Protn interface cad-(C37.94 compatible)	No.	180183.00
TR-M0243	Hybrid Communication exchange (VOIP + Analog + Digital)	No.	781828.00
TR-M0244	SIP Gateway card for VOIP (500 Subs)	No.	111460.00
	<b>Utility grade MSA 2000 compliant Synchronous Transport Module (STM) 16 SFPs suitable for all vendor SDH ports</b>		
TR-M0245	(a) To drive upto 30 km optical distance	No.	10298.00
TR-M0246	(b) To drive upto 80 km optical distance	No.	10298.00
TR-M0247	(c) To drive upto 120 km optical distance	No.	20699.00
TR-M0248	(d) To drive upto 160 km optical distance	No.	297167.00
	<b>Utility grade MSA 2000 compliant Synchronous Transport Module (STM) 4 SFPs suitable for all vendor SDH ports</b>		
TR-M0249	(a) To drive upto 30 km optical distance	No.	4047.00
TR-M0250	(b) To drive upto 80 km optical distance	No.	4047.00
TR-M0251	(c) To drive upto 120 km optical distance	No.	13321.00
TR-M0252	(d) To drive upto 160 km optical distance	No.	266425.00
	<b>Utility grade Multi Source Agreements (MSA) 2000 compliant 10 Gbe ethernet Small Form factor Pluggable (SFP) + suitable for all vendor ethernet optical ports for MPLS-TP traffic</b>		
TR-M0253	(a) To drive upto 40 km optical distance	No.	15780.00
TR-M0254	(b) To drive upto 80 km optical distance	No.	35455.00
TR-M0255	(c) To drive upto 120 km optical distance	No.	538999.00
TR-M0256	(d) To drive upto 160 km optical distance	No.	1038035.00
	<b>Utility grade Multi Source Agreements (MSA) 2000 compliant 1 Gbe ethernet Small Form factor Pluggable (SFP) + suitable for all vendor ethernet optical ports for MPLS-TP traffic</b>		
TR-M0257	(a) To drive upto 40 km optical distance	No.	2664.00
TR-M0258	(b) To drive upto 80 km optical distance	No.	5533.00
TR-M0259	(c) To drive upto 120 km optical distance	No.	14858.00

TR-M0260	Network Management System (NMS) main server, client server peripherals & other accessories with necessary soft copy of software & furniture	Set	5581778.00
TR-M0261	Network Management System (NMS) client server, peripherals & other accessories with necessary soft copy of software & furniture	Set	225369.00
TR-M0262	Smart SFP to drive upto 100 km optical distance (To interface MPLS-TP port with SDH port	Set	228232.00
TR-M0263	4 port VOIP gateway with 4 FXO & 4 FXS channels/ ports	No.	9115.00
TR-M0264	Ethernet test equipment: CMA-3000 or similar	No.	360950.00
TR-M0265	Supply of Standalone Rack Panel for accommodating 4 nos Fibre optic 1" Rack with 4x19" rack provision 2000X800X800 mm with mm Thichkness and necessary fibre entry provision.	No.	145122.00
TR-M0266	Supply and Commissioning of Fibre Optic terminal Equipment (FOTE) equipment with Multi Protocol Label Switching (MPLS) - Transport Path (TP) technology withh redundant supply cards with 1Gbps capacity four direction.	No.	343539.00
TR-M0267	Supply and Commissioning of MPLS - TP - FOTE with 2x4 port optical card (1 GBPS capacity) & 8 port Electrical ethernet card.	No.	925558.00
TR-M0268	Supply and commissioning of MPLS-TP FOTE with 4 port optical card (1GBPS capacity) & 4 electrical ports Ethernet card.	No.	612227.00
TR-M0269	Supply and commissioning of Hybrid FOTE (SDH/ MPLS-TP/PDH) with cross connect multiplexer with 2 nos 4 port x STM1/4 interfacecards, 2 nos 4 port 1G/10G Ethernet cards, 8 port FXO, 8 port FXS, 8 port E&M,4 port serial data, 8 port E1 card with circuit emulation, 8 port 10/100/1000 mbps Ethernet L2 card.	No.	2560320.00
TR-M0270	Supply and commissioning of Hybrid FOTE (SDH/ MPLS-TP/PDH) with cross connect multiplexer with 2 Nos 4 port STM1/STM4/STM16 I/F cards, 2Nos 4 port x 1G/10G Ethernet cards , 8 port FXO, 8 port FXS, 8 port E&M, 8 port E1 card with circuit emulation, 8 port 10/100/1000 mbps Ethernet L2 card,4 port serial data.	No.	3203900.00

TR-M0271	Supply and commissioning of Hybrid FOTE (SDH/MPLS-TP/PDH) with cross connect multiplexer, 3 nos 4 port STM1/STM4/STM16 I/F cards, 2 Nos 4 port 1G/10G Ethernet cards, 4port 10G ethernet card, 8 port FXS, 8 port E&M, 8 port E1 card with circuit emulation, 24 port 10/100/1000 mbps Ethernet L2 card, Integrated 12 port 100Mbps/1G base Optical/Electrical OSPF Routing Interface card with minimum 256 nos with required router, VLAN router instance/port ,SIP gateway port for VOIP 500 Subs - 12 Nos.	No.	4396732.00
TR-M0272	Supply of 110 V/48 V 10 A Dc-DC Converter ( Din - RAIL MOUNTED)	No.	38075.00
TR-M0273	Supply of 220 V/48 V 10 A Dc-DC Converter ( Din - RAIL MOUNTED)	No.	51097.00
TR-M0274	Supply of 30 V/48 V 10 A DC-DC Converter ( Din - RAIL MOUNTED)	No.	52290.00
TR-M0275	Ethernet module ELET card	No.	425000.00
TR-M0276	DREL Panel	No.	71934.00
TR-M0277	Router Ethernet switch and associated materials for Control Centre	No.	438746.00
TR-M0278	RAS server with complete software for the collection of remote DREL and Remote Accessibility System	No.	18419708.00
TR-M0279	RAS Client workstation Complete with RAS software	No.	117185.00
TR-M0280	GPS time synchronising device complete with associated materials for Control Centre	No.	154704.00
TR-M0281	Furniture for control centre Chairs-5 Nos, Table : 1No for each Client work station as well as 1No for each Servers	Set	65939.00
TR-M0282	Remote Automatic DREL collection system with Ethernet Switches and associated materials	Set	948417.00
TR-M0283	Remote Automatic DREL collection system and associated materials excludes Ethernet Switch	No.	599224.00
TR-M0284	Router with firewall for SS	No.	131879.00
TR-M0285	Ethernet switch	No.	164981.00
TR-M0286	Terminal server	No.	84310.00
TR-M0287	GPS time synchronising device complete with associated materials	No.	134472.00
TR-M0288	RAS Remote Client workstation Complete with RAS software	No.	117185.00
TR-M0289	Furniture for remote client. Each set comprises Chair-1 No. Table : 1No	Set	18029.00

TR-M0290	Spares for GPS system	No.	4396732.00
TR-M0291	Media converter	No.	38075.00
TR-M0292	Interface converter	No.	51097.00
TR-M0293	Erection testing and commissioning of complete control centre for DREL System	LS	52290.00
TR-M0294	Erection testing and commissioning of DREL System at SS end.	LS	425000.00
TR-M0295	Erection testing and commissioning of RAS Remote Client Workstations.	LS	71934.00
<b>c.</b>	<b>Instruments</b>		438746.00
TR-M0296	Oil breakdown voltage test kits (BDV Kit)	No.	18419708.00
TR-M0297	5 KV Digital insulation tester	No.	117185.00
TR-M0298	Handheld digital earth resistance clamp on meter	No.	154704.00
TR-M0299	Oil temperature indicator for 400 kV ICT's with 2 contacts 12 mtr. Capillary length	No.	65939.00
TR-M0300	Winding temperature indicator for 400 kV ICT's with 4 contacts 12 mtr. Capillary length	No.	948417.00
TR-M0301	Battery impedance test kit	No.	599224.00
TR-M0302	SF6 gas leak detector	No.	131879.00
TR-M0303	CT,PT and CVT Analyser with Laptop and all accessories.	Set	164981.00
TR-M0304	Variable frequency Tan delta test kit without resonating inductor	No.	84310.00
TR-M0305	Variable frequency Tan delta test kit with resonating inductor	No.	134472.00
TR-M0306	Sweep frequency response analyser (SFRA)Kit	No.	117185.00
TR-M0307	Thermo vision Camera with accessories	No.	18029.00
TR-M0308	Transmission Line Fault Analyser with accessories	No.	3,115,780.00
TR-M0309	Tower Footing Impedance Tester	No.	354,554.00
TR-M0310	Third Harmonic Leakage Current Analyser	No.	921,150.00
TR-M0311	DC Earth fault Locator	No.	161,700.00
<b>XXI</b>	<b>Other SS Materials</b>		
<b>a.</b>	<b>Aluminium Bus Bar in MT</b>		
TR-M0312	4.0" / 100 mm Aluminium Bus Bar	MT	440,000.00

TR-M0313	3.0" / 75 mm	MT	427442.00
TR-M0314	2.0" / 50 mm	MT	427442.00
<b>b</b>	<b>Conductor</b>		
TR-M0315	AAC Bull conductor (765kV Side)	Km	608797.00
TR-M0316	Bersimis conductor (400kV side)	Km	641698.00
TR-M0317	Moose ACSR	km	403250.00
TR-M0318	Panther ACSR	km	181250.00
TR-M0319	Zebra ACSR	km	314634.00
<b>c.</b>	<b>Insulators</b>		
TR-M0320	765 kV Solid core Insulator with corona ring	Each	152591.00
TR-M0321	400 kV Solid core insulator (each)	Each	42795.10
TR-M0322	230 kV Solid core insulator (each)	Each	14705.98
TR-M0323	110 kV Solid core insulator (each)	Each	6573.80
<b>d.</b>	<b>Polymer Insulators</b>		
TR-M0324	400 kV, 160 KN polymer Insulators	Each	5692.00
TR-M0325	400 kV, 120 KN polymer Insulators	Each	5447.00
TR-M0326	230 kV, 120 KN polymer Insulators	Each	2996.00
TR-M0327	230 kV, 90 KN polymer Insulators	Each	2954.00
TR-M0328	110 kV, 120 KN polymer Insulators	Each	1772.00
TR-M0329	110 kV, 90 KN polymer Insulators	Each	1585.00
<b>e.</b>	<b>Disc Insulators</b>		
TR-M0330	11 kV 120 KN ordinary disc insulators	Each	494.00
TR-M0331	11 kV, 120 KN Antifog Disc Insulators	Each	653.00
TR-M0332	11 kV, 90 KN Ordinary Disc Insulators	Each	375.00
TR-M0333	11 kV, 90 KN Antifog Disc Insulators	Each	578.00
TR-M0334	11 kV, 210 KN Antifog Disc Insulators	Each	1478.00
TR-M0335	11 kV 160 KN Anti fog Disc insulator	Each	966.00
TR-M0336	11 kV, 160 KN Ordinary Disc Insulators	Each	700.00

<b>f</b>	<b>Earth Wire &amp; OPGW</b>		
TR-M0337	HTGS Earth wire 7/3.55 mm (3.15 mm)	Km	44859.00
TR-M0338	HTGS Earth wire 7/3.66 mm	Km	56958.00
TR-M0339	OPGW - 24 Fibre DWSM cable, accessories per KM supply, erection, testing and commissioning	Km	235845.00
TR-M0340	OPGW - 48 Fibre with accessories per KM including Erection charges, testing and commissioning	Km	258813.00
<b>g</b>	<b>Towers</b>		
TR-M0341	Galvanized MS Tower Parts	MT	95133.00
TR-M0342	Galvanized HTS Tower parts	MT	99874.00
TR-M0343	Galvanized Bolts & nuts	MT	108263.00
<b>h</b>	<b>Power Connectors</b>		
TR-M0344	Free end Clamp for 4.5" Bus Bar	Each	1932.34
TR-M0345	Free end clamp for 4" / 100 mm Bus bar	Each	1932.34
TR-M0346	Free end clamp for 3" Bus bar	Each	372.00
TR-M0347	Free end clamp for 2" Bus bar	Each	189.00
TR-M0348	T Clamp for Twin Bull AAC to Twin Bull AAC	Each	6044.75
TR-M0349	T Clamp for Twin Bersimis to twin Bersimis	Each	3686.55
TR-M0350	T Clamp for Quad Bersimis to Quad Bersimis	Each	7668.01
TR-M0351	T Clamp for 4.5" Bus To Quad/Twin Bull AAC	Each	4423.85
TR-M0352	T Clamp for 4.5" Bus To Quad/Twin Bersimis	Each	5161.16
TR-M0353	T Clamp for 3" / 75mm Bus bar To Zebra	Each	694.00
TR-M0354	T Clamp for 50mm Bus bar to Zebra	Each	627.00
TR-M0355	T Clamp for Zebra to Zebra	Each	492.00
TR-M0356	Switch End clamp for single zebra	Each	386.00
TR-M0357	Switch end clamp for Mink ACSR (each)	Each	386.00
TR-M0358	Switch end clamp for 2" / 50 mm Bus Bar	Each	434.00
TR-M0359	Switch end clamp for Panther	Each	439.00
TR-M0360	PG Clamp for Panther	Each	313.00

TR-M0361	Reducer Clamp for 75 mm bus to Zebra (each)	Each	694.00
TR-M0362	Corona Bell for 3.0"/ 75 mm Bus Bar	Each	140.00
TR-M0363	Corona Bell for 2.0" / 50 mm Bus Bar	Each	88.00
TR-M0364	Hammer driven 'C' type wedge connector suitable for Moose conductor	Each	2315.00
TR-M0365	C Type Fired Bolt less Wedge Connectors (without Paddle) suitable for Panther ACSR Conductor	Each	1268.00
TR-M0366	C Type Fired Bolt less Wedge Connectors (with Paddle) suitable for Panther ACSR Conductor	Each	3019.00
TR-M0367	C Type Fired Bolt less Wedge Connectors (without Paddle) suitable for Zebra ACSR Conductor	Each	2479.00
TR-M0368	C Type Fired Bolt less Wedge Connectors (with Paddle) suitable for Zebra ACSR Conductor	Each	4349.00
TR-M0369	C Type Fired Bolt less Wedge Connectors (without Paddle) suitable for Moose ACSR Conductor	Each	5312.00
TR-M0370	C Type Fired Bolt less Wedge Connectors (with Paddle) suitable for Moose ACSR Conductor	Each	7794.00
TR-M0371	Seating block for 75 mm bus bar	Each	477.00
<b>i</b>	<b>Fittings</b>		
TR-M0372	Bolted type suspension fitting for 230 kV Twin moose	Each	2315.00
TR-M0373	6 bolt Tension fitting for Zebra (each)	Each	1585.00
TR-M0374	4 bolt Tension fitting for Zebra (each)	Each	1488.00
<b>j</b>	<b>Hardware fittings for Panther and Zebra Conductor</b>		
TR-M0375	Single suspension fitting for panther	Each	1109.00
TR-M0376	Single Tension Fittings for Panther	Each	1334.00
TR-M0377	Double tension Fittings for Panther	Each	3797.00
TR-M0378	Single suspension fitting for Zebra	Each	1908.00
TR-M0379	Single Tension Fittings for Zebra	Each	2390.00
TR-M0380	Double tension Fittings for Zebra	Each	4920.00
<b>k</b>	<b>Hardware fittings for Moose Conductor</b>		
TR-M0381	Single I Suspension fitting for Twin Moose	Each	9207.00
TR-M0382	Single I Pilot with CW for Twin Moose	Each	42012.99

TR-M0383	Double Tension fittings for Twin Moose	Each	20914.63
TR-M0384	Single tension fitting for Moose	Each	2874.00
TR-M0385	Single suspension fitting for Moose	Each	3650.00
TR-M0386	Twin I S clamp for Quad Moose	Each	17208.00
TR-M0387	SI Pilot with CW for Quad Moose	Each	29709.00
TR-M0388	Quad T fittings for Quad Moose	Each	38240.00
TR-M0389	Single Tension Fittings for Quad Moose	Each	30593.00
<b>I</b>	<b>Hardware fittings for Earthwire</b>		
TR-M0390	Suspension clamp for EW 7/3.55mm	Each	435.00
TR-M0391	Tension clamp for EW 7/3.55mm	Each	428.00
TR-M0392	Suspension clamp for EW 7/3.66mm	Each	555.00
TR-M0393	Tension clamp for EW 7/3.66mm	Each	554.00
TR-M0394	Single tension fitting for 7/3.55 mm steel earth wire	Each	781.00
<b>m</b>	<b>Others</b>		
TR-M0395	Transformer Oil with 210 Litres Barrel	kL	98051.00
TR-M0396	12 kV CGL make Vacuum interrupter type 34599 M3+/1250 A	No.	15451.00
TR-M0397	12 KV support insulator suitable for BHEL type PVN12 outdoor VCB	No.	4635.00
TR-M0398	Male copper contact tips suitable for main switch male moving arm contact assembly (01 pole consists of 02 PC's of 170x5 mm copper sheet with fixing screws)	Set	52490.00
TR-M0399	Female copper contact jaws suitable for main switch female moving arm contact assembly (01 pole consists of 08 PC's of 20x5 mm female jaws with spring and spring guide)	Set	68644.00
TR-M0400	Corona shields (01 pole consists of 02 PC's for male arm & 02 PC's for female arm)	Set	39867.00
TR-M0401	Epoxy Fibre glass Scaffolding including all associated accessories (Extendable upto 15 meter height)	Set	1936877.00
TR-M0402	Spliced Heavy duty ladder (Bottom section -12 Feet length)	No.	200865.00
TR-M0403	Spliced Heavy Duty Ladder (Top section -20 Feet length)	No.	275720.00

TR-M0404	3.61M Insulating length ladder with 38mm dia side rails	No.	79867.00
TR-M0405	3.61M Insulating length ladder with 64mm dia side rails Top section	No.	214195.00
TR-M0406	4.22M Insulating length ladder with 64mm dia side rails Top section	No.	225589.00
TR-M0407	4.81M Insulating length ladder with 64mm dia side rails Top section	No.	255212.00
TR-M0408	6.05M Insulating length ladder with 64mm dia side rails Top section	No.	275720.00
TR-M0409	3.0 M Insulating length ladder with 64mm dia side rails Bottom section	No.	169078.00
TR-M0410	3.61M Insulating length ladder with 64mm dia side rails Bottom section	No.	200865.00
TR-M0411	3.0 M Insulating length ladder with 38mm dia side rails	No.	70639.00
TR-M0412	Base of the horizontal tower attachment saddle	No.	50130.00
TR-M0413	Base of the vertical tower attachment saddle	No.	91147.00
TR-M0414	64mm clamp yoke assembly	No.	50130.00
TR-M0415	Spreader bar	No.	34749.00
TR-M0416	64mm ladder clamp	No.	9114.00
TR-M0417	Double clamp 64/64	No.	19368.00
TR-M0418	Double clamp 64/38	No.	18343.00
TR-M0419	32mm swivel stick 3.54M Length	No.	36800.00
TR-M0420	32mm swivel stick 2.9 M	No.	21419.00
TR-M0421	32mm swivel stick 2.64 M	No.	19368.00
TR-M0422	32mmswivel stick 1.72 M	No.	17317.00
TR-M0423	Poly decron rope 200 Mts length	Mt	36800.00
TR-M0424	Conductive suit (complete set inclusive of socks and hand cloves with shoes) Size: MEDIUM (Boot Size-10 = 5 pairs, Size-9 = 5 pairs)	Set	244958.00
<b>XXII</b>	<b>TRANSMISSION LINE ACCESSORIES</b>		
<b>a</b>	<b>EARTHING</b>		
TR-M0425	Pipe type earthing	Each	1665.00

TR-M0426	Counter-poise earthing	Each	3995.00
TR-M0427	Flexible Copper bond	Each	520.00
TR-M0428	Aluminium Earth Bond	Each	437.00
<b>b</b>	<b>ACCESSORIES FOR PANTHER</b>		
TR-M0429	Vibration Damper for Panther	Each	506.00
TR-M0430	Midspan comp joint for Panther	Each	453.00
TR-M0431	PA Rod for Panther	Each	610.00
TR-M0432	SB damper for Panther Conductor	Each	723.00
TR-M0433	Repair sleeve for Panther	Each	243.00
<b>c</b>	<b>ACCESSORIES FOR ZEBRA</b>		
TR-M0434	Vibration damper for Zebra	Each	918.00
TR-M0435	Midspan comp joint for Zebra	Each	603.00
TR-M0436	PA Rod for Zebra	Each	1280.00
TR-M0437	Repair sleeve for Zebra	Each	316.00
<b>d</b>	<b>ACCESSORIES FOR MOOSE</b>		
TR-M0438	Vibration damper for Moose	Each	1183.00
TR-M0439	Bundle Spacer for Twin Moose	Each	1075.00
TR-M0440	Spacer damper for Quad Moose	Each	1172.00
TR-M0441	Rigid spacer for Twin Moose	Each	613.00
TR-M0442	Rigid spacer for Quad Moose	Each	1437.00
TR-M0443	Midspan comp joint for Moose	Each	910.00
TR-M0444	PA Rod for Moose	Each	1620.00
TR-M0445	Repair sleeve for Moose	Each	336.00
<b>e</b>	<b>ACCESSORIES FOR EARTHWIRE</b>		
TR-M0446	Mid span comp Joint for EW 7/3.55mm	Each	203.00
TR-M0447	Midspan comp joint for EW 7/3.66mm	Each	196.00
TR-M0448	Vibration damper for EW 7/3.66mm	Each	442.00

<b>f</b>	<b>TOWER ACCESSORIES</b>		
TR-M0449	Anti climbing Device	Each	2930.00
TR-M0450	Number plate	Each	208.00
TR-M0451	Phase Plate	Each	240.00
TR-M0452	Circuit plate	Each	224.00
TR-M0453	Name Board (0.45x0.90)-14 guage GI sheet	Each	384.00
TR-M0454	Danger Board	Each	231.00