



**GOVERNMENT OF TAMIL NADU  
PUBLIC WORKS DEPARTMENT**

**STANDARD SCHEDULE OF RATES  
[FOR BASIC ITEMS ONLY]**

**2017-2018**

**[WITH EFFECT FROM 01.06.2017]**



**GOVERNMENT OF TAMIL NADU  
PUBLIC WORKS DEPARTMENT**

**OFFICE OF THE ENGINEER-IN-CHIEF (BUILDINGS),  
CHIEF ENGINEER (BUILDINGS), CHENNAI REGION &  
CHIEF ENGINEER (GENERAL), PWD, CHEPAUK, CHENNAI-5.**

**Present: Er. R. Jayasingh, B.E., MBA.,  
Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD.**

**Proceedings No. HDO (A) / 10348 / 2017-1, dated 31.05.2017**

**Sub:** Public Works Department – **Standard Schedule of Rates for the year 2017-2018** for adoption in preparation of estimates with effect from **01.06.2017** – Approved – Communication of – Regarding.

**Ref:** Engineer-in-Chief, WRO & Chief Engineer (General), PWD, Chennai-5, Proceedings No. HDO / Sr. DO / 23500 / 2016-1, dated 16.08.2016.



The Standard Schedule of Rates, Cost of Cement and Cost of Steel approved for the year **2017-2018** by the Schedule of Rates Committee for adoption in the preparation of estimates **with effect from 01.06.2017** are herewith enclosed for taking necessary action.

2.0. The receipt of Standard Schedule of Rates for the year 2017-2018 along with its enclosures may be acknowledged.

**Encl.:**

Standard Schedule of Rates, 2017-18-1 Booklet

  
**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD**

**To**

1. The Engineer-in-Chief, Water Resources Department, Chepauk, Chennai-5.
2. The Director General, Highways Department, 76, Sardar Patel Road, Guindy, Chennai-25.
3. The Chief Engineer, WRD, Design Research and Construction Support, Chennai-5.
4. The Deputy Secretary to Government, Finance Department, Secretariat, Chennai-9.

Copy to all Chief Engineers of Water Resources Department and Superintending Engineers of WRD Circles through Engineer-in-Chief, Water Resources Department, Chennai-5 (with 40 copies) with a request to instruct the Superintending Engineers of WRD Circles to prepare required number of Standard Schedule of Rates for the year 2017-2018 pertaining to the districts under their jurisdiction and to arrange for supply the same to all the Offices of WRD and PWD upto the level of Section Officers for adoption in preparation of estimates and also to the respective District Collectors.

Copy to the Chief Engineer (Buildings), PWD, Trichy Region, Trichy.

Copy to the Chief Engineer (Buildings), PWD, Madurai Region, Madurai.

Copy to all Superintending Engineers of Building Organisation.

Copy to the Secretary to Government, Public Works Department, Secretariat, Chennai-9.

Copy to the Secretary to Government, Municipal Administration and Water Supply Department, Secretariat, Chennai-9.

Copy to the Secretary to Government, Rural Development and Local Administration, Secretariat, Chennai-9.

Copy to all District Collectors.

Copy to the Commissioner, Corporation of Chennai, Chennai

Copy to the Engineering Director, TWAD Board, Chepauk, Chennai-5.

Copy to the Chief Engineer (Civil Design), TNEB, Anna Salai, Chennai-2.

Copy to the Chief Engineer, Tamil Nadu Housing Board, Nandanam, Chennai-35.

Copy to Chief Engineer (Civil Design), Tamil Nadu Slum Clearance Board, Chennai.

Copy to the Chief Engineer, PWD, Technical Education Circle, Guindy, Chennai-25.

Copy to the Chief Engineer, PWD, Fishing Harbour Project Circle, DMS Compound, Chennai-6.

Copy to the Chief Engineer, Tamil Nadu State Police Housing Corporation, Chennai

Copy to the Joint Chief Engineer (General), PWD, Chennai-5.

Copy to the Joint Chief Engineer (Buildings), PWD, Chennai-5.

Copy to the Joint Chief Engineer (Irrigation), PWD, Chennai-5.

Copy to the Superintending Engineer, PWD, Planning and Designs Circle, Chennai-5.

Copy to the Deputy Chief Engineer (Buildings), PWD, Chennai-5.

Copy to all Executive Engineers, PWD, Building Organisation.

Copy to the Head Draughting Officer, O/o. the Engineer-in-Chief (Buildings), Chief Engineer (Buildings), Chennai Region & Chief Engineer (General), PWD, Chennai-5 (5 Copies).

Copy to All Assistant Executive Engineers, O/o. the Engineer-in-Chief (Buildings), Chief Engineer (Buildings), Chennai Region & Chief Engineer (General), PWD, Chennai-5.

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**GOVERNMENT OF TAMIL NADU  
PUBLIC WORKS DEPARTMENT**

**OFFICE OF THE ENGINEER-IN-CHIEF (BUILDINGS),  
CHIEF ENGINEER (BUILDINGS), CHENNAI REGION &  
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**Present: Er. R. Jayasingh, B.E., MBA.,  
Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD.**

**Proceedings No. HDO (A) / 10348 / 2017-2, dated 31.05.2017**

**Sub:** Steel - Revised rate for **STEEL** for adoption in the preparation of estimates during the year 2017-2018 with effect from **01.06.2017** - Approved - Communication of - Regarding.

**Ref:** Engineer-in-Chief, WRO & Chief Engineer (General), PWD, Chennai-5, Proceedings No. HDO / Sr. DO / 23500 / 2016-2, dated 16.08.2016.



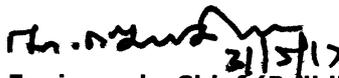
The cost of **STEEL** approved by the Schedule of Rates Committee for adoption in the preparation of estimates during the year 2017-2018 **with effect from 01.06.2017** is given below:

**Steel : Rs.43,500/- per MT**

(Rupees Forty Three Thousand, Five Hundred only)

2.0. The above rate is inclusive of all taxes, freight charges, etc., at Stockyard / Dealer's Godown. Necessary lead charges (i.e. excluding loading and unloading charges), as applicable as per conveyance table, may be allowed from the Stockyard / Dealer's Godown to the site of work, if duly certified by an officer not below the rank of Assistant Executive Engineer.

3.0. However, in the case, if the source is specified as "Stockyard", the same shall be decided and approved by the Superintending Engineers concerned.

  
**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD**



**To**

1. The Engineer-in-Chief, Water Resources Department, Chepauk, Chennai-5.

2. The Director General, Highways Department, 76, Sardar Patel Road, Guindy, Chennai-25.
3. The Chief Engineer, WRD, Design Research and Construction Support, Chennai-5.
4. The Deputy Secretary to Government, Finance Department, Secretariat, Chennai-9.

Copy to the Chief Engineer (Buildings), PWD, Trichy Region, Trichy.

Copy to the Chief Engineer (Buildings), PWD, Madurai Region, Madurai.

Copy to All Superintending Engineers of Building Organisation.

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Copy to the Joint Chief Engineer (Electrical), PWD, Chennai-5.

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**GOVERNMENT OF TAMIL NADU  
PUBLIC WORKS DEPARTMENT**

**OFFICE OF THE ENGINEER-IN-CHIEF (BUILDINGS) &  
CHIEF ENGINEER (BUILDINGS), CHENNAI REGION &  
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**Present: Er. R. Jayasingh, B.E., MBA.,  
Engineer-in-Chief (Buildings) &  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD.**

**Proceedings No. HDO (A) / 10348 / 2017-3, dated 31.05.2017**

**Sub:** Cement - Revised rate for **CEMENT** for adoption in the preparation of estimates during the year 2017-2018 with effect from **01.06.2017** - Approved - Communication of - Regarding.

**Ref:** Engineer-in-Chief, WRO & Chief Engineer (General), PWD, Chennai-5, Proceedings No. HDO / Sr. DO / 23500 / 2016-3, dated 16.08.2016.



The cost of **CEMENT** approved by the Schedule of Rates Committee for adoption in the preparation of estimates during the year 2017-2018 **with effect from 01.06.2017** is given below:

**Cement : Rs.6,850/- per MT**

(Rupees Six Thousand, Eight Hundred and Fifty only)

2.0. The above rate is inclusive of all taxes, freight charges, etc., at Stockyard / Dealer's Godown. Necessary lead charges (i.e. excluding loading and unloading charges), as applicable as per conveyance table, may be allowed from the Stockyard / Dealer's Godown to the site of work, if duly certified by an officer not below the rank of Assistant Executive Engineer.

3.0. However, in the case, if the source is specified as "Stockyard", the same shall be decided and approved by the Superintending Engineers concerned.

  
**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD**

  
31/5/17

**To**

1. The Engineer-in-Chief, Water Resources Department, Chepaug, Chennai-5.

2. The Director General, Highways Department, 76, Sardar Patel Road, Guindy, Chennai-25.
3. The Chief Engineer, WRD, Design Research and Construction Support, Chennai-5.
4. The Deputy Secretary to Government, Finance Department, Secretariat, Chennai-9.

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## SCHEDULE OF RATES FOR THE YEAR 2017-2018

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**GOVERNMENT OF TAMIL NADU  
PUBLIC WORKS DEPARTMENT**

**STANDARD SCHEDULE OF RATES FOR THE YEAR 2017-2018**

**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 10%** on the Rates of Labour, Rates of Works and Conveyance Charges shall be allowed for works in the campus of **Central Jails.**
- (iii) **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.**

- (iv) **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**.

#### **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 work, 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 work 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 work, 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, Rate 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.

**NOTE:** Since the studies for allowing extra percentage for hilly areas was worked out in the year 2002-2003, the Committee decided that the same has to be revised or modified by constituting a separate Committee to take a decision on revision, based on the latest transport facilities, infrastructural facilities, etc., available in the hilly areas for the issue of Schedule of Rates from the next year 2017-2018 onwards.

## **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 15%** on the Rates of Labour and 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) **Rates of Works** includes the labour for earthwork, refilling foundation, dismantling, jungle clearance, head load, etc., also where human labour alone is involved.
- (iii) The percentage increase provided for the materials are applicable **only for the materials which are quarried or manufactured locally in the specified area**.
- (iv) The percentage increase provided for **Rates of Works** are allowable only on the items where human labour alone is involved.
- (v) The percentage increase provided for **Conveyance Charges** are allowable for the distance covered in the specified area / Special Tract only.
- (vi) 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.
- (vii) 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.

- (viii) 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, WRD & Chief Engineer (General), PWD, Chennai-5 for consideration by the Schedule of Rates Committee and approval.

  
31/5/17

**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD**

  
31/5/17

**STATEMENT SHOWING THE EXTRA PERCENTAGE ALLOWABLE  
AS PER GENERAL NOTE TO SCHEDULE OF RATES FOR THE YEAR 2017-2018  
(with effect from 01.06.2017)**

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 works in Central Jail Campus	10%	-	10%	10%	-
iii	For works in Sub-Jail Campus	5%	-	5%	5%	-
iv	For works in Reserve Forest Areas	20%	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%	-	-	-	-

Sl. No.	Area	Percentage extra allowable on				
		Labour	Material	Rate of work (where human labour involved)	Conveyance	Head load
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, Thalairyari, Valai, Mullai, Manoli, Minidiputti, Nadu, Nallathannie, Pullivasal, Poomarichan, Muyal, Singala, Kuruseedar Islands in Ramanathapuram District	125%	125%	125%	125%	125%

Sl. No.	Area	Percentage extra allowable on				
		Labour	Material	Rate of work (where human labour involved)	Conveyance	Head load
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	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%	-	-	-	-

*[Handwritten Signature]*  
31/5/17

**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD, Chennai-5**

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

<b>Sl. No.</b>	<b>Sch. Item No.</b>	<b>Description of Labour</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
1	2	Axe Mazdoor	Day	319.00
2	4	Blacksmith - I Class	Day	420.00
3	4A	Blacksmith - II Class	Day	387.00
4	5	Boat Mazdoor	Day	353.00
5	8	Bullocks pair with driver (with bandy)	Day	630.00
6	8A	Bullocks single with driver (with bandy)	Day	454.00
7	11	Carpenter - I Class	Day	533.00
8	12	Carpenter - II Class	Day	488.00
9	13	Caulker	Day	353.00
10	15	Cleaner - First Grade	Day	284.00
11	15A	Cleaner - Second Grade	Day	269.00
12	18	Ferry Mazdoor	Day	353.00
13	19	Fitter - I Class	Day	481.00
14	19A	Fitter II Class	Day	449.00
15	20	Fitter (Pipe Laying / Bar bending) - I Class	Day	474.00
16	20A	Fitter (Pipe Laying / Bar bending) - II Class	Day	440.00
17	21	Floor Polisher	Day	420.00
18	22	Gardener	Day	319.00
19	25	Hammer Mazdoor	Day	338.00
20	26	Head Mazdoor for Well Sinking	Day	353.00
21	27	Driver (Light Duty)	Day	420.00
22	27A	Driver (Heavy Duty)	Day	449.00
23	28	Jumper Mazdoor	Day	319.00
24	36	Maistry, Road Inspector & Work Inspector	Day	405.00
25	36A	Maistry, Road Inspector & Work Inspector (Degree Holder)	Day	449.00
26	37	Mason for Brick Work-I Class	Day	545.00
27	37A	Mason for Brick Work-II Class	Day	488.00
28	38	Mason for Stone Work-I Class	Day	545.00

<b>Sl. No.</b>	<b>Sch. Item No.</b>	<b>Description of Labour</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
29	38A	Mason for Stone Work-II Class	Day	488.00
30	39A	Mazdoor Category-I	Day	341.00
31	39B	Mazdoor Category-II	Day	308.00
32	39C	Head Mazdoor	Day	353.00
33	40	Mechanic - I Class	Day	420.00
34	40A	Mechanic - II Class	Day	387.00
35	42	Mopla - I Class	Day	419.00
36	42A	Mopla - II Class	Day	387.00
37	43	Navagonies or Javali Man I Class	Day	353.00
38	44	Painter / Varnisher - I Class	Day	436.00
39	44A	Painter / Varnisher - II Class	Day	405.00
40	46	Pile Driver	Day	387.00
41	47	Plumber I Class	Day	474.00
42	47A	Plumber II Class	Day	440.00
43	48	Pump Driver	Day	353.00
44	52	Sawyer	Day	387.00
45	54	Smith I Class	Day	419.00
46	54A	Smith II Class	Day	387.00
47	55	Sprayer Mazdoor (for bitumen, tar etc.)	Day	319.00
48	56	Stone Cutter - I Class	Day	419.00
49	56A	Stone Cutter - II Class	Day	387.00
50	58	Syrang - I Class	Day	419.00
51	58A	Syrang - II Class	Day	387.00
52	60	Thatcher	Day	338.00
53	62	Tinker - I Class	Day	338.00
54	62A	Tinker - II Class	Day	319.00
55	63	Turner - I Class	Day	387.00
56	63A	Turner - II Class	Day	353.00
57	64	Time Keeper I Class	Day	419.00
58	64A	Time Keeper II Class	Day	387.00

<b>Sl. No.</b>	<b>Sch. Item No.</b>	<b>Description of Labour</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
59	67	Welder / Bracer - I Class	Day	419.00
60	67A	Welder / Bracer - II Class	Day	387.00
61	68	Well Diver for removing silt - I Class	Day	419.00
62	68A	Well Diver for removing silt - II Class	Day	387.00
63	69	Well Sinker - I Class	Day	474.00
64	69A	Well Sinker - II Class	Day	440.00
65	70	Well Sinking Diver working with Helmet (above two metres depth of water)	Day	488.00
66	72	Wodder	Day	353.00
		<b>Technical Assistant</b>		
67	76A	Technical Assistant - Grade I (B.E.Passed)	Day	699.00
68	76B	Technical Assistant - Grade II (Diploma in Engg. Passed / B.E. Failed / Degree in Geology for Ground water works)	Day	630.00
69	76C	Technical Assistant - Grade III (Diploma in Engg. Failed / ITI (civil) Passed)	Day	533.00
70	76D	Cinema Operator (ITI Passed)	Day	440.00
71	76E	B.Sc., (Agriculture) Passed	Day	630.00
72	77A	Laboratory Assistant - Grade I (Post Graduate in Science)	Day	533.00
73	77B	Laboratory Assistant - Grade II (Degree in Science / Degree in Geology for Ground water)	Day	488.00
74	77C	Laboratory Assistant-Grade III (With Degree Qualification to work as works clerk)	Day	440.00
75	78A	Mazdoor employed for Geological mapping	Day	341.00
76	78B	Mazdoor employed for Pitting, Trenching, Sampling & Drilling works	Day	341.00
77	78C	Mazdoor employed for Geophysical investigation works	Day	341.00
78	78D	Head Mazdoor to Supervise exploratory works	Day	360.00
79	79	Mixer Operator (including concrete mixer)	Day	371.00
80	80	Mixer Driver	Day	353.00
81	81	Compressor Operator	Day	371.00

Sl. No.	Sch. Item No.	Description of Labour	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
82	89A	Computer Operator Grade I [B.E. (Computer Science) / M.Sc., (Computer Science)]	Day	699.00
83	89B	Computer Operator Grade II [B.Sc. (Computer Science) / Diploma in Computer Science]	Day	630.00
84	90A	Irrigation Community Organaiser Grade-I [B.E. (Agri) Passed / B.Sc. (Agri) Passed / P.G. (Geology) & Rural Development]	Day	674.00
85	90B	Irrigation Community Organaiser Grade-II [B.E. (Agri) Failed / B.Sc. (Agri) Failed / Diploma in Agri. Passed]	Day	562.00
86	95	Heatmaster Operator	Day	353.00
87	96	Raker	Day	353.00
88	97	Geological Assistant	Day	518.00
89	98	Stone & Crusher Operator	Day	371.00
90	99	Heavy Mazdoor	Day	371.00
		<b>Electrical Workers</b>		
91	100	Wireman Grade-I / Electrician Grade-I	Day	475.00
92	101	Wireman Grade-II / Electrician Grade-II	Day	449.00
93	102	Electrical Helper	Day	338.00
94	103	Lift Operator	Day	405.00
95	104	Laboratory Attendant	Day	302.00
96	105	Sound Service Operator	Day	338.00
97	106	Electrical Maistry	Day	518.00

*[Handwritten Signature]*  
31/5/17

**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD, Chennai-5**

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

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
		<b>A. BRICKS AND TILE PRODUCTS</b>		
	1	Second Class Table Moulded Chamber Burnt Bricks		
1	a	9" x 4 <sup>1</sup> / <sub>2</sub> " x 3"	1000 Nos.	7190.00
2	b	9" x 4 <sup>3</sup> / <sub>8</sub> " x 2 <sup>3</sup> / <sub>4</sub> "	1000 Nos.	6910.00
	2	Second Class Ground Moulded Chamber Burnt Bricks		
3	a	9" x 4 <sup>1</sup> / <sub>2</sub> " x 3"	1000 Nos.	6190.00
4	b	9" x 4 <sup>3</sup> / <sub>8</sub> " x 2 <sup>3</sup> / <sub>4</sub> "	1000 Nos.	6015.00
	3	Third Class Country Brick Kiln Burnt		
5	a	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.	5205.00
6	b	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.	4095.00
7	c	8 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> " x 2"	1000 Nos.	3925.00
	3A	Fly Ash Bricks		
8	a	230 x 110 x 70mm	1000 Nos.	6015.00
	b	230 x 110 x 75mm	1000 Nos.	6190.00
	4	Specially Moulded Country Brick for well steining		
9	a	8 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>4</sub> " x 2"	1000 Nos.	2310.00
10	b	Perforated Bricks 19 x 9 x 9cm	1000 Nos.	3520.00
11	c	Terrace Bricks 15 x 7.5 x 2.5cm	1000 Nos.	905.00
	8	Flat Tiles		
12	a	15cm x 15cm x 12mm	1000 Nos.	851.00
13	b	15cm x 15cm x 20mm	1000 Nos.	1010.00
	10	Brick Jelly		
14	a	40mm size	cum.	645.00
15	b	20mm size	cum.	718.00
	11	Pressed Tiles		
16	a	20 x 20 x 2cm	1000 Nos.	11390.00
17	b	23 x 23 x 2cm	1000 Nos.	16140.00
	12	Pan Tiles		
18	a	23cm x 8cm x 1.7cm	1000 Nos.	443.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
19	b	16.5cm x 8cm x 1.7cm	1000 Nos.	366.00
	13	Best Mangalore Tiles		
20	a	I Class'A'	1000 Nos.	10640.00
21	b	Class 'AA'	1000 Nos.	10840.00
22	c	Best Mangalore Ridge Tiles	1000 Nos.	31100.00
23	d	Best Mangalore Ceiling Tiles	1000 Nos.	6540.00
24	e	Best Mangalore Glass Roofing Tiles	Each	307.00
25	f	Best Mangalore Ventilating Tiles (Single)	Each	46.70
26	g	Best Mangalore Ventilating Tiles (Double)	Each	58.50
	23A	Mosaic Flooring Tiles (Grey)		
27	a	Mosaic (Grey) Tile 25 x 25 x 2cm	1000 Nos.	13040.00
28	b	Mosaic (Grey) Tile 20 x 20 x 2cm	1000 Nos.	8320.00
	23C	Mosaic (other Colour)		
29	a	Mosaic (other colour) Tile 25 x 25 x 2cm	1000 Nos.	17990.00
30	b	Mosaic (other colour) Tile 20 x 20 x 2cm	1000 Nos.	10600.00
31	c	Mosaic (Green) Tile 20 x 20 x 2cm	1000 Nos.	13040.00
32	d	Mosaic (Green) Tile 25 x 25 x 2cm	1000 Nos.	20450.00
33	24	Mosaic Chequered Tile Grey Colour Size 25 x 25 x 2 cm	1000 Nos.	16350.00
		<b>B. STONE AND ROAD MATERIALS</b>		
34	27	Rough Stone for masonry works (Hard Granite)	cum.	413.00
35	28	Rough Stone for revetment works	cum.	358.00
36	29	Jeddy size for revetment (Hard Granite)	cum.	393.00
37	29a	Cut Stone Pillar of size 0.15 x 0.15 x 2.1m	Each	153.00
38	30	From boulders without blasting for revetment	cum.	105.00
39	30a	From boulders without blasting for masonry	cum.	137.00
40	32	Course Rubble Stone for masonry works	cum.	330.00
41	33	Course Rubble Stone for Arch works	cum.	358.00
42	33 (A) I	Chisel Dressed Stone 70cm x 30cm x 29cm	Each	163.00
43	II	Chisel Dressed Stone 37cm x 30cm x 29cm	Each	147.00
44	(B)	Hammer Dressed Stone 37cm x 30cm x 29cm	Each	114.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
45	34	Cut Stone Fully Dressed to size on all faces	cum.	5900.00
46	35	Cut Stone Roughly Dressed	cum.	4060.00
47	36	Ashlar Arch Stone Fully Dressed to size all faces	cum.	4480.00
48	38	Flooring Stone SS Size (Not less than 10cm thick)	sqm.	328.00
49	39 a	Stone Slab for Culvert (3 faces one line dressed) Above 1.2m	cum.	4275.00
50	b	Stone Slab for Culvert (3 faces one line dressed) Upto 1.2m	cum.	3885.00
51	40	Stone Slab for Culvert (3 faces two line dressed)	cum.	4760.00
52	41	For Lintel Coping (3 faces two line dressed)	cum.	4760.00
53	42	Bond Stones	cum.	567.00
54	43 a	Kilometre Stone 1.65 x 0.45 x 0.15m	Each	407.00
55	44 a	Hectametre Stone 0.9x0.1x0.1m	Each	114.00
56	b	Hectametre Stone 0.75x0.23x0.1m	Each	208.00
57	c	Hectametre Stone 0.9x0.15x0.15m	Each	204.00
58	45 a	Demarcation Stone (two line dressed for top 30 cm) 75 x 15 x 15 cm	Each	85.00
59	b	Demarcation Stone (two line dressed for top 30 cm) 90 x 23 x 23 cm	Each	109.00
60	c	Demarcation Stone (two line dressed for top 30 cm) 75 x 23 x 23 cm	Each	101.00
61	d	Demarcation Stone (two line dressed for top 30 cm) 90 x 15 x 15 cm	Each	93.80
62	e	Demarcation Stone with letter cut 75 x 15 x 15cm	Each	114.00
63	f	Edge Stone 45 x 15 x 15 cm	Each	52.10
64	g(i)	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	131.00
65	g(ii)	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	95.20
66	46 a	Guard Stone (Two line dressed for 45 cm) 23cm dia 1.0m long	Each	151.70
67	b	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	161.60

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
68	c	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	151.70
69	d	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	105.50
70	e	Guard Stone 23cm dia 0.90m long	Each	78.20
	48	<b>Hard Broken Granite Stone Jelly (I.S.S.) Machine crushed / Hand broken</b>		
71	i	HBGS Jelly 90mm size	cum.	401.00
72	ii	HBGS Jelly 80mm size	cum.	449.00
73	iii	HBGS Jelly 63mm size	cum.	518.00
74	iv	HBGS Jelly 50mm size	cum.	601.00
75	v	HBGS Jelly 40mm size	cum.	934.00
76	vi	HBGS Jelly 25mm size	cum.	803.00
77	vii	HBGS Jelly 20mm size	cum.	1300.00
78	viii	HBGS Jelly 12mm size	cum.	1206.00
79	ix	HBGS Jelly 10mm size	cum.	888.00
80	x	HBGS Jelly 6mm size	cum.	601.00
81	xi	HBGS Jelly 3mm size	cum.	541.00
82	49 b	Quartz metal		
a	i	Quartz Metal 50mm	cum.	90.50
b	ii	Quartz Metal 40mm	cum.	91.80
83	51	<b>Soft Broken Stone</b>		
a	i	Soft Broken Stone 63mm size	cum.	69.80
b	ii	Soft Broken Stone 40mm size	cum.	78.10
84	52	Laterite 40 to 75mm size	cum.	90.50
85	53	Kankar 40 to 75mm size	cum.	90.50
86	54	Soling Stones unblasted 15cm cube	cum.	105.60
87	54a	Soling Stones blasted 15cm cube	cum.	172.50
88	57	Gravel	cum.	183.00
89	57A	Well Gravel	cum.	150.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
90	57B	Screened Kankar Gravel	cum.	110.80
91	58	Quarry Rubbish	cum.	89.40
92	58A	Stone Dust	cum.	114.40
93	58B	Pond Ash (wet / dry)	cum.	88.40
94	58C	Crushed Stone Sand	cum.	456.00
95	59	Sand for Mortar	cum.	176.40
96	60	Sand for Filling	cum.	176.40
97	62	Clay for Puddle & Masonry	cum.	35.50
98	63 (i)	Cuddapah Slab 50mm Thick	sqm.	426.00
99	ii	Cuddapah Slab 38 / 40mm Thick	sqm.	411.00
100	iii	Cuddapah Slab 20 / 30mm Thick	sqm.	378.00
		<b>C. Lime</b>		
101	66	Shell Lime (Slaked & Screened)	cum.	1285.00
102	67	Freshly Slaked & Screened Burnt Lime Stone	cum.	947.00
103	68	Stone Lime or Lime Metal	cum.	82.60
		<b>D. Timber and Roofing Materials</b>		
104	71	TW Scantlings (over 3m for joist and rafters) - Malabar	cum.	127200.00
105	72	TW Scantlings (for Tiebeams and principal rafters) - Malabar	cum.	125100.00
106	73	TW Scantlings (over 2m & below 3m in length) - Malabar	cum.	121800.00
107	74	TW Scantling (below 2m in length) - Malabar	cum.	108400.00
108	75 (i)	TW Planks (over 45cm wide & 12mm thick)	cum.	134300.00
109	ii	TW Planks (30-45cm wide & 12mm thick)	cum.	124700.00
110	iii	TW Planks (30-45cm wide & 12-25mm thick)	cum.	116700.00
111	iv	TW Planks (30-45cm wide & 25-40mm thick)	cum.	111900.00
112	v	TW Planks (15-30cm wide & 12mm thick)	cum.	109000.00
113	vi	TW Planks (15-30cm wide & 12-25mm thick)	cum.	103600.00
114	vii	TW Planks (15-30cm wide & 25-40mm thick)	cum.	101600.00
115	viii	TW Planks (upto 15cm wide & 12mm thick)	cum.	99600.00
116	ix	TW Planks (upto 15cm wide & 12-25mm thick)	cum.	99600.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
117	xiii	TW Planks (upto 15cm wide & 25-40mm thick)	cum.	94100.00
	76	<b>Teak Wood Reepers</b>		
118	i	TW Reepers 50 x 25mm	RM	83.10
119	ii	TW Reepers 50 x 12mm	RM	67.50
	77	<b>Country Wood Scantling</b>		
120	i	CW Scantling (upto 4m in length)	cum.	37500.00
121	ii	CW Scantling (over 4m in length)	cum.	39500.00
122	77A	CW Scantling for tie beams & principal rafters for trusses)	cum.	39500.00
123	77B	Jack Wood Scantlings (upto 4m)	cum.	41400.00
124	77D	Silver Oak Scantlings	cum.	17000.00
	78	<b>Country Wood Planks</b>		
125	i	CW Planks (upto 30cm wide-40mm thick)	cum.	43000.00
126	ii	CW Planks (upto 30cm wide-25mm thick)	cum.	43000.00
127	iii	CW Planks (over 30cm wide-40mm thick)	cum.	43000.00
128	iv	CW Planks (over 30cm wide-25mm thick)	cum.	43000.00
129	78A	JW Planks (25-40mm thick)	cum.	45100.00
130	78B	Silver Oak Plank (40mm thick)	cum.	19300.00
131	78C	Bluegum Plank	cum.	19800.00
	79	<b>Country Wood Reepers</b>		
132	i	CW Reepers (50 x 25mm)	RM	37.80
133	ii	CW Reepers (50 x 12mm)	RM	27.30
134	80	Mango Plank	cum.	18300.00
135	81	Palmyrah Rafter (50-60mm wide & 125mm depth)	RM	54.00
136	a	Palmyrah Leaves	100 Nos.	279.00
137	b	Palmyrah Leaves (labour for cutting)	100 Nos.	43.90
	90	<b>Casurina Poles</b>		
138	a	Casurina Poles 13cm-15cm dia	RM	36.10
139	b	Casurina Poles 10cm-13cm dia	RM	27.50
140	c	Casurina Poles 8cm-10cm dia	RM	21.00
141	d	Casurina Poles 5cm-8cm dia	RM	18.00

Sl. No.	Sch. Item No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
	90.1	<b>Eucalyptus Poles</b>		
142	a	13cm to 15cm dia	RM	36.10
143	b	10cm to 13cm dia	RM	25.80
144	c	8cm to 10cm dia	RM	21.00
145	d	5cm to 8cm dia	RM	18.00
146	e	below 5cm	RM	16.40
147	90.2	Eucalyptus Bullies 4cm to 5cm dia and cross ties	RM	13.20
148	91	Casurina Bullies 4cm-5cm dia & cross ties	RM	14.80
149	92	Bamboo Large (10cm dia and above)	RM	13.20
150	93	Bamboo (7.5cm-10cm dia)	RM	11.60
		<b>E. Metal and Iron Items</b>		
151	111	Mild Steel Plates or Sheets BG 10	Kg	43.50
152	112	Mild Steel Angles 25 x 25 x 3 mm	Kg	43.50
153	113	Binding Wire (Black 18 G)	Kg	46.20
154	113 b	Binding Wire (Galvanised-18 G)	Kg	46.20
155	114	GI Sheets 30cm wide and 1.6mm thick	sqm.	322.00
156	126 i	Weld Mesh 7.5 x 2.5cm 10 Gauge	sqm.	312.00
157	ii	Weld Mesh 7.5 x 5cm 10 Gauge	sqm.	280.00
158	iii	Weld Mesh 10 x 10cm 10 Gauge	sqm.	152.00
159	129	Chicken Mesh	sqm.	33.50
160	130	Fly Proof Mesh	sqm.	96.20
161	131	Supplying Mild Steel Grills for windows, ventilators, etc., including priming coat	Kg	62.80
1	For road works, the Schedule of Rates of Highways Department may be adopted in respect of materials for which rates are not available in this schedule of Rates.			
2	For all the materials viz. Bricks and Tile Products, Stone Jelly, 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.			

  
**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD, Chennai-5**

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

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
		<b>A. Clearing the Site</b>		
1	1	Clearing Heavy Jungle	sqm.	4.45
2	2	Clearing Light Jungle	sqm.	3.35
3	3	Clearing Scrub Jungle	sqm.	3.05
4	4	Uprooting & removing large palmyrah / coconut stumps	Each	88.10
5	5	Uprooting & removing small palmyrah / coconut stumps	Each	63.00
6	9	Removing weeds in channel and drain	sqm.	1.25
7	9C	Cleaning Juliflora jungle with uprooting	sqm.	5.00
8	9D	Cleaning Juliflora jungle without uprooting	sqm.	3.80
		<b>B. Dismantling</b>		
		Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls		
9	10	Brick / stone in clay walls under 3m high	cum.	37.50
10	11	Brick / stone in clay walls, add for every additional 3m or part there of over the initial height of 3m	cum.	12.50
11	11A	Mud / sun dried brick walls under 3m high	cum.	25.10
12	11B	Mud / sun dried brick walls, add for every additional 3m or part there of over the initial height of 3m	cum.	7.25
13	12	Brick / stone masonry in lime mortar walls under 3m high	cum.	115.00
14	13	Brick / stone masonry in lime mortar walls, add for every additional 3m or part there of over the initial height of 3m	cum.	12.80
15	14	Brick / stone masonry in Cement mortar walls under 3m high	cum.	141.00
16	15	Brick / stone masonry in Cement mortar walls, add for every additional 3m or part there of over the initial height of 3m	cum.	14.95
17	16	Terracing work in roof or floor	sqm.	38.10
18	17	Flag stone in roof or floor including lifting	sqm.	20.15
19	18	Cut stone slab over culverts upto 3.3m height below GL	cum.	585.00
20	19	Cut stone slab over culverts over 3.3m height below GL	cum.	610.00
21	20	Removal of cut stone slabs / RCC cover slabs	sqm.	256.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
22	22	Refixing cut stone slab / RCC cover slab	sqm.	280.00
23	23	Pantile or Mangalore tiled roof without roof timbers	sqm.	10.00
24	24	Flat & pan tiles or Manglore tile over flat tiles, with out roof timbers	sqm.	13.95
25	25	AC sheet roofing without roof timbers	sqm.	9.00
26	26	Corrugated iron sheet roofing over pan tiles, without roof timbers	sqm.	14.95
27	27	Old thatched roof, including tying materials into small bundles for reuse.	sqm.	4.45
28	28	Wrought and putup framed timbers in roofs / floors	cum.	368.00
29	29	Doors and windows including removal of frames, hinges and fastenings	sqm.	76.20
30	32	Dry stones apron or revetment, stacking within 40m lead	cum.	65.20
31	33	Grouted stones apron or revetment, stacking within 40m lead	cum.	76.20
32	34	Dry stone masonry walls	cum.	55.60
33	36	Dismantling lime concrete	cum.	177.00
34	37	Dismantling plain Cement concrete	cum.	242.00
35	38	Dismantling RCC	cum.	3670.00
36	38A	Chipping of concrete and roughening the surface	sqm.	20.10
37	38B	Pressed tiles & weathering course	sqm.	22.90
38	38C	One course of pressed tile roof finish in Cement Mortar	sqm.	12.80
39	38D	One course of terrace bricks roof finish in Cement mortar	sqm.	14.90
40	38E	Two course of flat tiles roof finish in cement mortar	sqm.	14.90
41	38F	Mosaic in situ finish in cement mortar in flooring and in wall surface	sqm.	31.40
42	38G	Floor finish and dadoing walls in cement mortar with mosaic tiles / glazed tiles / cuddapah slabs	sqm.	30.30
		<b>C. Quarrying and Blasting</b>		
43	39	Hard rock measured in solid including blasting & stacking	cum.	432.00
44	39A	Removing hard rock by wedging, chiseling and trimming to proper shape where blasting is prohibited.	cum.	867.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
45	40A	Medium rock and dense medium rock requiring blasting	cum.	221.00
46	42A	Extra for every additional 10m lead or part thereof over the initial lead for blasted materials	cum.	5.25
47	42B	Extra for every additional 1m lift or part thereof over the initial lift of 2m for blasted materials	cum.	5.45
48	44	Benching, hard rock upto an average 10 cm depth	sqm.	418.00
49	46	Drilling holes in hard granite 40mm diameter	RM	139.00
50	46A	Drilling holes in hard granite 45mm diameter	RM	163.00
51	47	Drilling holes in hard granite 50mm diameter	RM	195.00
52	48	Drilling holes in hard granite 75mm diameter	RM	222.00
53	49	Drilling holes in hard granite 32mm diameter	RM	118.00
		<b>D. Earth Work</b>		
54	49	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.	44.80
55	50	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.	40.80
56	50A	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.	51.10
57	50B	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.	10.50
58	50C	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.	12.70
59	50D	Sectioning during forming bunds when earth moving machinery, lorries and rollers are used for consolidation.	cum.	7.70
60	61	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.	65.10

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
61	62	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.	61.10
62	67	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.	91.00
63	67A	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.	144.30
64	72	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.	159.70
65	76	Extra for every additional 10 metre lead or part thereof over the initial lead	cum.	7.55
66	77	Extra for every additional 1 metre lift or part thereof over the initial lift	cum.	6.00
67	78	Breaking clods, consolidating and sectioning	cum.	3.80
68	78A	Breaking clods, consolidating and sectioning the earth scooped by Bull Dozers.	cum.	11.40
69	79	Add to relevant T.N.D.S.S. No.20.A, rates for new tank bunds and closing breaches for extra watering and consolidation		
70	A	By hand roller	cum.	12.70
71	B	By power roller including hire charges	cum.	21.40
72	80	Benching Old Embankment Slopes 45cm x 45cm	sqm.	2.45
73	81	Puddle wall work	cum.	101.00
74	82A	Turfing in slopes including watering and fixing with initial lead upto 50m	sqm.	21.40
75	84	Refilling with excavated sand complying with standard specification for filling in foundation and basement.	cum.	18.80
76	85	Refilling with excavated soil (other than sand) complying with standard specification for filling in foundation and basement.	cum.	21.40

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
		<b>E. Open Well Excavation</b>		
77	86	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.	40.80
78	88	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.	60.90
79	89	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.	93.80
80	90	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.	151.00
81	90A	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.	227.00
82	91	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.	443.00
83	92A	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.	63.30
84	92B	Sinking well in Sand, including bailing or pumping charges if necessary etc., complete - First depth of 2 metres	cum.	88.70
85	92C	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.	88.70

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
		<b>F. Rate for Earth Work Deploying Machinery</b>		
86	1	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.	46.30
87	1a	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.	3.70
88	2	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		
89	a	having width up to 3m	cum.	27.30
90	b	having width of 3m -10m	cum.	33.50
91	3	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.	38.90
		<b>G. LIFT CHARGES - Concrete - Brick or Stone Masonry - Above or Below Ground Level</b>		
	A	<b>Concrete - Above Ground Level</b>		
92	1	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.	65.30
93	2	Add for works in every upper floor over the rate of preceeding floor	cum.	128.70
	B	<b>Brick or Stone Masonry - Above GL</b>		
94	1	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.	43.10
95	2	Add for works in every upper floor over the rate of preceeding floor	cum.	86.70
		<b>STATEMENT II</b>		
	A	<b>Concrete - Below Ground Level</b>		
96	1	Add the basic rate for works 1.50m depth and upto 4.5m depth below ground level	cum.	64.40

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
97	2	Add the basic rate for works 4.50m depth and upto 9m depth below ground level	cum.	129.10
98	3	Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level	cum.	129.10
	<b>B</b>	<b>Brick or Stone Masonry - Below GL</b>		
99	1	Add the basic rate for works 1.50m depth and upto 4.50m depth below GL	cum.	43.20
100	2	Add the basic rate for works above 4.50m depth and upto 9.0m depth below GL	cum.	86.70
101	3	Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level	cum.	86.70
		<b>H. Concrete Vibrators</b>		
102	1	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.	38.20
103	2	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.	51.40
		<b>I. Plastering</b>		
104	318	Clean removal of lime plaster from walls and racking out joints 20mm deep or from terraced roofs racking out joints 12mm deep	sqm.	5.25
105	319	Clean removal of lime plaster from walls	sqm.	4.05
106	320	Clean removal of Cement plaster from walls	sqm.	4.40
107	321	Clean removal of Cement plaster from walls and racking out joints 20mm deep	sqm.	5.70
		<b>J. White Washing, Colour Washing &amp; Distempering</b>		
108	338	Thorough scrapping of old plastered surface	sqm.	2.40
109	339	Washing of plastered surface with soap, soda and water (or with soda lime, brush and water)	sqm.	3.00
		<b>K. Painting, Wood Oiling, Tarring, Varnishing, Bee's Waxing Etc.,</b>		
110	357	Removing old paint from doors and windows by blow lamp and scrapping, including removal and re-fitting of shutters.	sqm.	19.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
111	357A	Removing old paint from doors and windows by scrapping and refitting of shutters.	sqm.	8.00
112	357B	Removing paint from doors, windows & wood works by manual labour	sqm.	5.50
113	357C	Removing old paint from structural steel by blow lamp or sand paper	sqm.	11.40
114	357 D	Scrapping and removing old paint from structural steel by manual labour	sqm.	5.10
115	357 E	Removing old paint from iron surface with sand paper	sqm.	4.80
116	357 F	Repolishing the mosaic flooring including polishing stone and hire charges for polishing machine but excluding cost of electrical charges	sqm.	11.20
		<b>L. Miscellaneous</b>		
117	369 B	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	4.80
118	369 B (i)	Driving piles up to 15cm dia in river bed	RM	14.80
119	(ii)	Pointing the edge and driving bamboo / casurina / eucalyptus piles into river bed for the first 1m depth below ground level.	Each	12.70
120	(iii)	Driving bamboo / casurina / eucalyptus piles into ground beyond 1m depth from ground level. For every 1m (or) part thereof	RM	12.70
		<b>M. River Conservancy of Korambu Works</b>		
121	375A	Brush wood bundles one metre girth and one metre long within an initial lead of 1.6 K.M.	one bundle	2.45
122	375B	Extra for every additional lead of 1.6K.M (for the above item)	one bundle	0.30
123	378A	Driving casurina piles into bed including scaffolding etc., complete	RM	6.20
124	378B	Casurina walling pieces 40 mm to 50 mm diameter including fixing with nails and tying with ropes	RM	8.55
		<b>N. Cutting and Threading of GI Pipe</b>		
125	1	15mm dia GI Pipe Cutting	Each	5.20
126		15mm dia GI Pipe Threading	Each	7.35

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
127	2	20mm dia GI Pipe Cutting	Each	5.20
128		20mm dia GI Pipe Threading	Each	7.55
129	3	25mm dia GI Pipe Cutting	Each	6.30
130		25mm dia GI Pipe Threading	Each	15.40
131	4	32mm dia GI Pipe Cutting	Each	7.55
132		32mm dia GI Pipe Threading	Each	20.75
133	5	40mm dia GI Pipe Cutting	Each	10.10
134		40mm dia GI Pipe Threading	Each	23.35
135	6	50mm dia GI Pipe Cutting	Each	12.90
136		50mm dia GI Pipe Threading	Each	26.00
137	7	65mm dia GI Pipe Cutting	Each	14.05
138		65mm dia GI Pipe Threading	Each	31.30
139	8	80mm dia GI Pipe Cutting	Each	18.25
140		80mm dia GI Pipe Threading	Each	39.40
141	9	100mm dia GI Pipe Cutting	Each	26.00
142		100mm dia GI Pipe Threading	Each	52.20
		<b>O. Labour Wrought and Put-up for Doors, Windows &amp; Ventilators</b>		
143	1	Labour wrought and put up in position of frames inclusive of fixing holdfasts for doors, windows and ventilators etc.,	cum.	7460.00
144	2	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.	843.00
145	3	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.	700.00
146	4	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.	784.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
147	6	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.	654.00
148	7	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.	442.00
149	8	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.	784.00
150	11	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.	843.00
151	12	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.	442.00
152	13	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.	700.00
153	14	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.	655.00
154	19	Labour charges for fixing doors alongwith frames in position etc., complete (finished work)	sqm.	125.00
155	20	Labour charges for fixing windows and ventilators along with frames in position etc., complete.	sqm.	157.00
156	21	Labour wrought and put up in position Flush shutters		
a		Single leaf shutter	sqm.	117.30
b		Double leave shutters	sqm.	181.00
157	22	Labour wrought and put up in position fly proof wire gauge shutters for doors, windows and ventilators.	sqm.	419.00

Sl. No.	Sch. Item No.	Description of Works	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
158	23	Labour wrought and put up for Providing teak wood weldmesh screen with frames 3"x3" (0.075m x 0.075m)	sqm.	585.00
		<b>NEW ITEM</b>		
159		Labour charges for fixing aluminium doors, windows and ventilators	sqm.	400.00
		<b>P. Breaking Metals</b>		
160	50A	Labour charges for breaking 40mm metal from departmental blasted stones	cum.	223.00
161	50B	Labour charges for breaking 20mm metal from departmental blasted stones	cum.	333.00
162	50C	Labour charges for breaking 50mm metal from departmental blasted stones	cum.	133.00
		<b>Q. Cement Mortar</b>		
163	1	Grinding Mortar (Special Grinding Lime)	cum.	202.00
164	2	Grinding Mortar (Ordinary Grinding Lime)	cum.	154.00
165	3	Mixing Mortar - Cement by Manual	cum.	63.30
166	4	Mixing Mortar - Cement by Machine Mixing	cum.	84.00
		<b>R. Metal and Iron Works</b>		
167	1	Petty iron work for truss, straps etc., (wrought & fixed) labour only	Kg	30.30
168	2	Iron works for trusses and record racks (labour only)	Kg	28.00
169	3	Fixing in position mild steel grills for windows, ventilators, etc.	Kg	17.50
170	4	Fixing MS rods round / square for windows	Kg	16.30
171	5	Fixing iron bars in windows and ventilators	Kg	16.30

  
 Engineer-in-Chief (Buildings),  
 Chief Engineer (Buildings), Chennai Region &  
 Chief Engineer (General), PWD, Chennai-5

  
 31/5/17

**ANNEXURE-IV**

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

Sl. No.	Description of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)		
			LEAD		LIFT
			Above 10m and upto 100m	Add extra for every additional 100m or part thereof	
1	Rough Stone, Broken Stone Jelly, Cut Stone, RCC Slab, Sand-Cement Block, Wooden Scantling, Wooden Plank	cum.	73.60	30.60	8.00
2	Lime, Lime Stone, Laterite, Brick Jelly, Earth, Sand, Gravel, Surki, Pond Ash (Wet / Dry), Crushed Stone Sand, Stone Dust	cum.	39.10	30.60	6.00
3 a	Mangalore Tiles	1000 Nos.	79.80	40.10	10.10
b	Machine Pressed Tiles	2000 Nos.	79.80	40.10	10.10
c	Hydraulic Pressed Mosaic Flooring Tiles	1500 Nos.	79.80	40.10	10.10
d	Terrace Bricks, Flat Tiles and Pan Tiles	2500 Nos.	79.80	40.10	10.10
e	Bricks	1000 Nos.	79.80	40.10	10.10
4	Cement, AC Sheet, Bitumen, Asphalt, Tar	MT	72.60	40.10	8.00
5	Steel	MT	122.00	49.10	10.10

**Note:**

- 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

  
 Engineer-in-Chief (Buildings),  
 Chief Engineer (Buildings), Chennai Region &  
 Chief Engineer (General), PWD, Chennai-5

  
 3/15/17

**ANNEXURE-V  
CONVEYANCE TABLE**

**(A). RATES FOR CONVEYANCE OF MATERIALS BY ROAD IN PLAINS**

Sl. No.	Distance in kilometre	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)					
		Cement, Steel (1 MT)	Lime Stone, Laterite, Brick Jelly, Wood Work, Pond Ash (Wet / Dry), Stone Dust (One cubic metre)	Rough Stone, Bond Stone, Cut Stone, Broken Stone Jelly, Sand, Gravel, Surki, Earth, Crushed Stone Sand (One cubic metre)	Third Class Country Bricks (Kiln Burnt) (1000 Nos.)	Mangalore Tiles (1000 Nos.), Machine Pressed Tiles (2000 Nos.), Hydraulically Pressed Mosaic Flooring Tiles (1500 Nos.)	Bricks II Class Chamber Burnt Bricks (Table Moulded / Ground Moulded), Fly Ash Bricks (1000 Nos.)
1	2	3	4	5	6	7	8
<b>1</b>	<b>Co-efficient</b>	<b>1.00</b>	<b>1.10</b>	<b>1.60</b>	<b>1.35</b>	<b>1.80</b>	<b>2.25</b>
<b>2</b>	<b>Add for every extra 1 Km and part thereof.....</b>						
a	0 - 10 Km.	5.87	6.46	9.39	7.93	10.57	13.21
b	10 - 20 Km.	5.02	5.53	8.05	6.79	9.05	11.31
c	20 - 40 Km.	4.32	4.76	6.92	5.84	7.78	9.73
d	40 - 80 Km.	3.73	4.11	6.49	5.02	6.70	8.40
e	Above 80 Km.	3.40	3.75	5.45	4.60	6.13	7.66
4	Loading Charges	97.20	46.40	31.70	45.60	45.60	45.60
5	Unloading Charges	97.20	46.40	31.70	45.60	45.60	45.60
6	Add above extra for inter state works	17.60	19.35	28.15	23.70	31.60	39.60

**Note**

1	The above rates do not include stacking charges [as per Circular Memo No.230 Wks. IV (2) / 62-3, dt.10.06.62 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 in Column (5) 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 Column, 3,4,5,6,7 and 8 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.

**ANNEXURE-V  
CONVEYANCE TABLE**

**(B). RATES FOR CONVEYANCE OF MATERIALS BY ROAD IN HILLS  
Rate approved for the year 2017-2018  
(w.e.f. 01.06.2017)**

Sl. No.	Distance in kilometre	Cement, Steel (1 MT)	Lime Stone, Laterite, Brick Jelly, Wood Work, Pond Ash (Wet / Dry), Stone Dust (One cubic metre)	Rough Stone, Bond Stone, Cut Stone, Broken Stone Jelly, Sand, Gravel, Surki, Earth, Crushed Stone Sand (One cubic metre)	Third Class Country Bricks (Kiln Burnt) (1000 Nos.)	Mangalore Tiles (1000 Nos.), Machine Pressed Tiles (2000 Nos.), Hydraulically Pressed Mosaic Flooring Tiles (1500 Nos.)	Bricks II Class Chamber Burnt Bricks (Table Moulded / Ground Moulded), Fly Ash Bricks (1000 Nos.)
		3	4	5	6	7	8
<b>1</b>	<b>Co-efficient</b>	<b>1.00</b>	<b>1.10</b>	<b>1.60</b>	<b>1.35</b>	<b>1.80</b>	<b>2.25</b>
<b>2</b>	<b>Add for every extra 1 Km and part thereof.....</b>						
a	0 - 10 Km.	11.74	12.92	18.78	15.86	21.14	26.42
b	10 - 20 Km.	10.04	11.06	16.10	13.58	18.10	22.62
c	20 - 40 Km.	8.64	9.52	13.84	11.68	15.56	19.46
d	40 - 80 Km.	7.46	8.22	12.98	10.04	13.40	16.80
e	Above 80 Km.	6.80	7.50	10.90	9.20	12.26	15.32

**Note**

- 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)].
- For conveyance of materials on cart track, allow 20% extra over the above rates excluding loading and unloading charges.
- For sandy and slusly soil tracks, add 50% extra over the above rates excluding loading and unloading charges.
- The quantity for payment towards conveyance of earth in Column (5) is for the pit measured quantity at the site of excavation only.
- For conveyance of laterite, broken stone jelly, etc., through lorries, the rates provided are for the volume with voids.
- For all materials which finds place in Column, 3,4,5,6,7 and 8 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.

  
**Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD, Chennai-5**

  
 31/5/17

**ANNEXURE-VI  
RATES OF OTHER CONSTRUCTION MATERIALS**

**Note: 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**

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
1	Water proofing compound	Kg	43.20
2	Mild Steel Flats of all sizes	Kg	43.50
3	Mild Steel Square Rods of all sizes	Kg	43.50
4	First Quality Design Ceramic tiles of All colours		
i	305 mm x 305 mm x 6 mm	Each	55.30
ii	200 mm x 200 mm x 6 mm	Each	24.30
iii	200 mm x 100 mm x 6 mm	Each	13.20
5	First Quality Plain ceramic tiles of all colours		
i	305 mm x 305 mm x 6 mm	Each	39.60
ii	200 mm x 200 mm x 6 mm	Each	17.70
iii	200 mm x 100 mm x 6 mm	Each	9.10
6	First quality White glazed tiles		
i	150 mm x 150 mm x 6 mm	Each	9.10
ii	100 mm x 200 mm x 6 mm	Each	7.90
7	First quality colour glazed tiles		
i	150 mm x 150 mm x 6 mm	Each	10.50
ii	100 mm x 200 mm x 6 mm	Each	9.10
8	First quality colour glazed tiles with printed design		
i	150 mm x 150 mm x 6 mm	Each	12.40
ii	100 mm x 200 mm x 6 mm	Each	11.15
9	White Cement	Kg	25.80
10	Colour Cement (White cement mixed with colouring pigments)	Kg	29.80
11	Multi-colour marble chips of all Grades / Sizes	Bag	98.90
12	White Marble slab (Adanga) 18 mm to 20 mm thick		
i	4'0" x 2'0" and above	sqm.	953.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
ii	2'0" x 2.0" or 2'0" x 1'0" or 1'0" x1'0"	sqm.	521.00
13	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		
a	Jet Black	sqm.	920.00
b	Ruby Red, Raw Silk	sqm.	795.00
c	Sinthetic Grey, Paradise and Similar varieties.	sqm.	740.00
14	Granite slabs (Super fine polished with machine cut edges) of sizes 4'x2' and above 18mm to 20mm thick.		
a	Jet Black	sqm.	1850.00
b	Ruby Red, Raw Silk	sqm.	1725.00
c	Sinthetic Grey, Paradise and Similar varieties.	sqm.	1355.00
15	Polished shahabad stone slabs of 20 mm thick with machine cut edges of size 2' 0" x 2'0" and above.	sqm.	370.00
16	Polished shahabad stone slabs 20 mm thick with machine cut edges of size below 2' 0" x 2'0".	sqm.	308.00
17	Polished Rajasthan Kota stone slabs of 20 mm thick with machine cut edges of size 2' 0" x 2'0" and above.	sqm.	543.00
18	Polished Rajasthan Kota stone slabs of 20 mm thick with machine cut edges of size below 2' 0" x 2'0".	sqm.	476.00
19	Dolphur stone slabs - semi polished with machine cut edges of all sizes		
a	40 mm thick	sqm.	405.00
b	20 mm thick	sqm.	370.00
20	Aluminium strips of size 40 mm wide x 1.5 mm thick	RM	34.70
21	Brass strips of size 40 mm wide x 1.5 mm thick	RM	61.20
22	Glass strips of size 40 mm wide and 4 mm thick	RM	15.30
23	Marblex Tiles 3 mm thick	sqm.	659.00
24	Red Oxide - Superior quality for floor finish	Kg	129.00
25	Decorative pressed tiles of 12mm thick of all sizes and shapes	sqm.	1170.00
26	Exterior Emulsion Paint - Water based primer (Liquid)	Litre	147.00
27	Alkali Resistant Distemper Primer	Litre	147.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
28	Sandtex matt	Litre	172.00
29	Vinaratex or equivalent Textured coat	sqm.	222.00
30	Best Lac Polish / French Polish	Litre	287.00
31	Varnish	Litre	295.00
32	Cotton Waste	Kg	9.35
33	Cement based Hydraulically pressed Anti skid tiles (pattern design) - 20 mm thick	sqm.	493.00
34	Marble Powder	Kg	4.90
35	Polishing Stone		
i	Rough	Each	64.70
ii	Medium	Each	90.60
iii	Fine / Nice	Each	103.60
36	Oxalic Acid	Kg	40.60
37	Tupentine	Litre	27.10
38	Mansion polish	400 gram	169.30
39	Poly Sulphide	Kg	184.30
40	Primer for expansion joints	Kg	165.00
41	Filler material	sqm.	141.00
42	Bond Breaker	RM	3.65
43	PVC Water Bar 150mm wide with single bulb	RM	294.70
44	Plain G.I. sheet 0.8mm thick (22 Gauge)	sqm.	338.00
45	Phil Plug	Each	4.90
46	G.I. Screws		
i	30mm x 6mm	Each	1.22
ii	19mm x 6mm	Each	0.77
47	G.I. Limpet / Cup Washers	Each	1.79
48	Bitumen washers 15mm dia	Each	1.22
49	Asbestos Cement pipe - 100mm dia	3 RM	145.40
50	A.C. shoe - 100mm dia	Each	46.20
51	A.C. Bend - 100mm dia	Each	52.80

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
52	A.C. Cylindrical Cowl - 100mm dia	Each	79.30
53	C.I. Brackets for A.C. pipe 100mm dia	Each	20.30
54	C.I. Grating - 100mm dia	Each	29.80
55	Asbestos cement fully corrugated sheet - 6mm thick	sqm.	191.40
56	Asbestos cement plain sheet		
i	6mm thick	sqm.	171.80
ii	4mm thick	sqm.	119.00
57	Asbestos cement adjustable ridges	Pair	198.20
58	G.I. "J" or "L" Bolts with nuts 6mm Dia	Each	3.65
59	Steel - special extruded sections for steel windows and ventilators conforming to I.S.S. 7452 / 1990 including Fabrication charges	Kg	58.10
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		
a	With one coat of Red oxide priming coat.	RM	392.00
b	With powder coated primer	RM	418.00
61	Aluminium extruded sections (for Doors, windows, ventilators, partitions, false ceiling etc.) including charges for Anodising for 15 micron thickness -		
a	Natural colour matt finish.	Kg	337.00
b	With powder coating of any colours.	Kg	360.00
62	Aluminium Extruded Box Section for Staircase Hand Rails including charges for Anodising for 15 micron thickness - Natural colour matt finish	Kg	343.00
63	Rubber beading for aluminium glazed doors	RM	38.80
64	Rubber beading for aluminium glazed windows.	RM	29.60
65	PVC / Woollen felt for aluminium doors 6mm thick	RM	8.75
66	Pivot for Aluminium Door	Set	160.00
67	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	928.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
68	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 Stainles Steel Cover plates with Aluminium Pivot and single piece M.S. 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	2120.00
69	Lock for Aluminium doors	Each	262.00
70	Lock for Aluminium sliding windows	Each	65.40
71	Aluminium Grill of standard pattern (diamond shape) - 10mm thick including 'F' (or) 'H' Section.	sqm.	2150.00
72	Aluminium Grill of standard pattern (diamond shape) - 6mm thick including 'F' (or) 'H' Section.	sqm.	1740.00
73	Bolts and Nuts 10mm dia for false ceiling	Each	5.35
74	Rawl Plugs for false ceiling	Each	8.50
75	PVC Roller for sliding windows	Each	14.45
76	Synthetic Resin - Fevicol or equivalent (Phenol Formal Dehide based Resin)	Kg	185.00
77	Butt Hinges with nylon washers of various sizes. Length and width (with required screws).		
a	125mm x 30mm	Each	74.70
b	100mm x 30mm	Each	60.00
c	75mm x 30mm	Each	41.20
d	50mm x 30mm	Each	33.30
78	Tower Bolts of various lengths and diameter (with required screws)		
a	400mm long and 12mm dia	Each	141.30
b	300mm long and 12mm dia	Each	108.70
c	250mm long and 12mm dia	Each	81.60
d	200mm long and 12mm dia	Each	68.60
e	150mm long and 12mm dia	Each	54.10
f	100mm long and 10mm dia	Each	47.50
g	75mm long and 10mm dia	Each	33.30

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
79	Aldrops of following lengths and diameter with required screws, bolts and nuts.		
a	300mm long and 16mm dia	Each	196.60
b	250mm long and 16mm dia	Each	169.60
c	200mm long and 16mm dia	Each	114.80
d	200mm long and 12mm dia	Each	95.30
80	Handles "D" type of various sizes with required screws		
a	200mm long	Each	60.40
b	150mm long	Each	54.10
c	100mm long	Each	33.20
81	Ornamental handles of various sizes with required screws		
a	200mm long	Each	163.00
b	150mm long	Each	108.70
c	100mm long	Each	60.00
82	Aluminium door stopper with rubber bush with required screws	Each	51.30
83	Rubber bush - 40 mm dia and 60 mm long with required screws	Each	24.60
84	Mortice Lock-(Godrej or equivalent) with required screws with 3 Keys		
a	With night latch	Each	545.30
b	Without night latch	Each	407.50
c	Wire nails	Kg	64.70
85	Teakwood beading		
a	15mm x 12mm	RM	17.60
b	35mm x 12mm	RM	44.60
86	Teakwood Beading (ordinary)		
a	30mm x 12mm	RM	37.00
b	25mm x 12mm	RM	29.70
87	Teakwood beading - Ornamental / design		
a	40mm x 12mm	RM	104.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
b	40mm x 15mm	RM	119.00
c	25mm x 12mm	RM	81.40
d	15mm x 12mm	RM	56.10
88	Medium Density Fibre (MDF) Board - Exterior Grade, Both sides pre-lamiated including external lipping with kiln dried soft wood 35mm thick	sqm.	2370.00
89	Medium Density Fibre (MDF) Board - exterior Grade - Both sides pre-laminated, 12mm thick	sqm.	1140.00
90	MDF Board exterior Grade - Plain including external lipping with kiln dried soft wood		
i	35mm thick	sqm.	1930.00
ii	30mm thick	sqm.	1780.00
91	Medium density fibre (MDF) Board 12 mm thick Exterior grade - with melamine finish.		
a	One side melamine finish	sqm.	1210.00
b	Both sides melamine finish	sqm.	1360.00
92	Medium density fibre (MDF) board - Exterior grade - Plain - With teak wook external lipping alround		
a	35mm thick	sqm.	2080.00
b	30mm thick	sqm.	1850.00
93	Solid core Flush shutters with Teak ply on both side with teak wook lipping alround 35 mm thick	sqm.	2450.00
94	Solid core Flush shutters with Teak ply on one side and commercial ply on other side with teak wook lipping alround 35 mm thick	sqm.	2150.00
95	Solid core Flush shutters with commercial ply on both side with teak wook lipping alround 35 mm thick	sqm.	1850.00
96	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 rabate for housing the shutter.		
a	Solid panel PVC door with frame	sqm.	3130.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
b	Solid panel PVC door without frame	sqm.	2640.00
97a	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.	4010.00
b	Excluding door frames	sqm.	3330.00
98a	PVC panelled door shutters hollow type - 200 mm x 20 mm panels with 1 mm wall thickness for panels and styles and rails of suitable size with 2 mm wall thickness suitably reinforced using MS Angle / Flat including cost of necessary Aluminium hinges and other furniture fittings.	sqm.	2230.00
b	Excluding door frames	sqm.	1975.00
99	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 10 mm and below graded stone jelly and using steel reinforcement as per C.E. (B) circular instructions.	RM	327.00
100	Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1 mm thick) of size 100 mm x 60 mm with a rebate of 30 / 35 mm x 15 mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel Hold fast etc.,	RM	926.00
101	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	1290.00
102	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.,		
A	ROLLING SHUTTERS (WITH ISI MONOGRAM)		
a	Manually operated (up to 8 m <sup>2</sup> area)	sqm.	2470.00
b	Gear operated type (from 8 m <sup>2</sup> to 12 m <sup>2</sup> area)	sqm.	2750.00
c	Electrically operated type (exceeding 12m <sup>2</sup> area)	sqm.	2990.00
B	ROLLING GRILLS (WITH ISI MONOGRAM)		
a	Manually operated (up to 8 m <sup>2</sup> area)	sqm.	2520.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
b	Gear operated (from 8 m <sup>2</sup> to 12 m <sup>2</sup> area)	sqm.	2830.00
c	Electrically operated (exceeding 12m <sup>2</sup> area)	sqm.	3150.00
103	Barbed Wire - 10 Gauge - Two ply and four pronged (Galvanised)	1 Kg or 6 RM	70.60
104	Chain link - 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes)	sqm.	182.00
105	Pin Headed / Fluted / Figured Glass 3mm thick	sqm.	246.00
106	Plain Glass - 4mm thick	sqm.	333.00
107	Plain Sheet Glass - 5.5mm thick	sqm.	394.00
108	Metal screws (for Aluminium Doors, windows etc.)		
i	75mm x 8mm	Each	2.35
ii	38mm x 6mm	Each	1.68
iii	19mm x 8mm	Each	1.17
iv	19mm x 6mm	Each	0.87
109	Cement paint (First quality)	Kg	54.15
110	Oil Bound Distemper	Kg	80.00
111	Acrylic Distemper	Kg	92.40
112	Primer for Plastic Emulsion paint	Litre	159.85
113	Plastic Emulsion paint (First quality)	Litre	321.45
114	Wood Primer	Litre	159.85
115	Synthetic Enamel paint for Wood work	Litre	259.10
116	Red Oxide primer for Iron work	Litre	148.40
117	Synthetic Enamel paint for Iron work	Litre	247.40
118	<b>G.I. Pipes "B" Class</b>		
i	65mm dia	RM	259.70
ii	50mm Dia	RM	222.60
iii	40mm Dia	RM	173.15
iv	32mm Dia	RM	160.70
v	25mm Dia	RM	136.00
vi	20mm Dia	RM	104.80
vii	15mm Dia	RM	74.20

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
119	<b>G.I.Specials</b>		
A	<b>Union</b>		
i	50mm Dia	Each	282.70
ii	40mm Dia	Each	209.60
iii	32mm Dia	Each	135.40
iv	25mm Dia	Each	104.80
v	20mm Dia	Each	74.20
vi	15mm Dia	Each	61.80
B	<b>G.I. Elbow</b>		
i	50mm Dia	Each	136.00
ii	40mm Dia	Each	104.80
iii	32mm Dia	Each	92.40
iv	25mm Dia	Each	61.80
v	20mm Dia	Each	27.00
vi	15mm Dia	Each	17.00
C	<b>G.I. Bend</b>		
i	50mm Dia	Each	123.60
ii	40mm Dia	Each	92.40
iii	32mm Dia	Each	74.20
iv	25mm Dia	Each	55.30
v	20mm Dia	Each	24.70
vi	15mm Dia	Each	14.60
D	<b>G.I. TEE</b>		
i	50mm Dia	Each	148.40
ii	40mm Dia	Each	117.10
iii	32mm Dia	Each	104.80
iv	25mm Dia	Each	86.50
v	20mm Dia	Each	37.00
vi	15mm Dia	Each	30.60
E	<b>G.I. COUPLING</b>		
i	50mm Dia	Each	74.20

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
ii	40mm Dia	Each	61.80
iii	32mm Dia	Each	49.40
iv	25mm Dia	Each	30.60
v	20mm Dia	Each	17.00
vi	15mm Dia	Each	14.60
<b>F</b>	<b>G.I. REDUCER</b>		
i	50mm x 40mm Dia	Each	98.90
ii	40mm x 32mm Dia	Each	74.20
iii	32mm x 25mm Dia	Each	55.30
iv	25mm x 20mm Dia	Each	30.60
v	20mm x 15mm Dia	Each	21.70
vi	40mm x 25mm Dia	Each	55.30
vii	32mm x 20mm Dia	Each	42.90
<b>G</b>	<b>G.I. REDUCER ELBOW</b>		
i	50mm x 40mm Dia	Each	117.10
ii	40mm x 32mm Dia	Each	98.90
iii	32mm x 25mm Dia	Each	74.20
iv	25mm x 20mm Dia	Each	55.30
v	20mm x 15mm Dia	Each	42.90
vi	40mm x 25mm Dia	Each	77.20
vii	32mm x 20mm Dia	Each	61.20
<b>H</b>	<b>G.I. REDUCER TEE</b>		
i	50mm x 40mm Dia	Each	148.40
ii	40mm x 32mm Dia	Each	123.60
iii	32mm x 25mm Dia	Each	104.80
iv	25mm x 20mm Dia	Each	80.00
v	20mm x 15mm Dia	Each	74.20
vi	40mm x 25mm Dia	Each	111.20
vii	32mm x 20mm Dia	Each	86.50
<b>I</b>	<b>G.I. HEX NIPPLE</b>		
i	50mm Dia	Each	92.40

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
ii	40mm Dia	Each	74.20
iii	32mm Dia	Each	61.80
iv	25mm Dia	Each	46.50
v	20mm Dia	Each	37.00
vi	15mm Dia	Each	24.70
120	<b>Gun Metal Gate Valve (Heavy Duty)</b>		
i	65mm dia	Each	1730.00
ii	50mm Dia	Each	1413.00
iii	40mm Dia	Each	1112.00
iv	32mm Dia	Each	864.00
v	25mm Dia	Each	676.00
vi	20mm Dia	Each	399.00
	<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.		
121	<b>Gun Metal Wheel Valve (Heavy Duty)</b>		
i	40mm Dia	Each	741.00
ii	32mm Dia	Each	585.00
iii	22mm Dia	Each	400.00
iv	20mm Dia	Each	276.00
v	15mm Dia	Each	196.00
122	Brass chromium plated screw down Tap 15 / 12mm Dia (Heavy Type)	Each	215.00
123	Chromium plated stop cock 15mm Dia	Each	172.00
124	Brass chromium plated pillar Tap (Heavy type)-15/12mm Dia	Each	308.00
125	Brass chromium plated shower Rose - 100mm Dia	Each	221.00
126	Wooden plug, clamp and screws	Set	12.30
127	Shellac	100 gram	18.50
128	Thread Ball	Each	3.65
129	Oriya Type Indian Water closet 580mm x 440mm with "P" or "S" Trap		
i	White	Set	1165.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
ii	Colour	Set	1488.00
130	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		
i	White	Set	2978.00
ii	Colour	Set	3366.00
131	European water closet with "P" or "S" Trap with Double falpped seat and seat cover with Brass Hinges and 12.5 litre capacity Porcelin low level flusing tank with all internal fittings		
i	White	Set	4200.00
ii	Colour	Set	5050.00
132	Wash Hand Basin of size 550mm x 400mm with all accessories such as cast iron brackets, 32mm dia C.P. waste coupling, rubber plug and chain, 32mm dia 'B' Class G.I. waste pipe, 15mm dia G.M. wheel valve, 15mm dia nylon connection, 15mm dia brass nipples, 15mm C.P. pillar tap etc.		
i	White without pedastal	Set	1615.00
ii	White with pedastal	Set	1940.00
iii	Colour without pedastal	Set	2165.00
iv	Colour with pedastal	Set	2390.00
133	White Porcelin Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class G.I. waste water pipe and 32mm dia C.P. waste coupling.	Set	2070.00
134	Cuddapah Slab Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class G.I. waste water pipe & 32mm dia C.P. waste coupling.	Set	743.00
135	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	983.00
136	Lipped Mouth Porcelin Flat Back Urinal with all accessories such as 32mm dia Bell mouth PVC connection, 15mm dia G.M. wheel value, 15mm dia 'B' Class G.I. waste water pipe, 15mm dia nylon connection, 15 mm dia brass nipple etc.,		
i	White	Set	906.00
ii	Colour	Set	1038.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
137	Porcelain soap dish of size 150mm x 150mm x 50mm		
i	White	Each	189.00
ii	Colour	Each	259.00
138	Brass chromium plated soap tray of size 150mm x 100mm	Each	159.00
139	Brass chromium plated towel rail 60cm long and 20mm dia with brackets	Set	259.00
140	Anodised Aluminium Towel Rail 60cm long and 20mm dia with Brackets.	Set	133.30
141	PVC / Fibre Glass framed 5.5mm thick mirror, shelf type with Hard Board Backing		
i	600mm x 450mm	Each	480.00
ii	500mm x 400mm	Each	388.00
142	Stone ware gully trap of size 150mm x 100m with cast Iron Double Gratings	Each	172.00
143	<b>Cast Iron Nahini / Floor Trap</b> with stainless Steel Grating		
i	100mm x 75mm	Each	282.00
ii	75mm x 50mm	Each	221.00
144	<b>PVC Nahini / Floor Trap</b> with PVC Grating		
i	100mm x 75mm	Each	156.00
ii	75mm x 50mm	Each	136.60
145	<b>First Quality cast Iron pipe</b>		
i	150mm Dia	RM	1024.00
ii	100mm Dia	RM	618.00
iii	75mm Dia	RM	494.00
iv	50mm Dia	RM	350.00
146	<b>First Quality cast Iron Specials</b>		
A	<b>Plain Bend</b>		
i	150mm Dia	Each	555.00
ii	100mm Dia	Each	271.00
iii	75mm Dia	Each	209.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
iv	50mm Dia	Each	160.00
<b>B</b>	<b>Bend with Door</b>		
i	150mm Dia	Each	642.00
ii	100mm Dia	Each	326.00
iii	75mm Dia	Each	271.00
iv	50mm Dia	Each	215.00
<b>C</b>	<b>Plain TEE</b>		
i	150mm Dia	Each	1112.00
ii	100mm Dia	Each	493.00
iii	75mm Dia	Each	338.00
iv	50mm Dia	Each	233.00
<b>D</b>	<b>TEE with Door</b>		
i	150mm Dia	Each	1174.00
ii	100mm Dia	Each	568.00
iii	75mm Dia	Each	394.00
iv	50mm Dia	Each	283.00
<b>E</b>	<b>"Y" Junction with Door (single)</b>		
i	150mm Dia	Each	1236.00
ii	100mm Dia	Each	618.00
iii	75mm Dia	Each	431.00
iv	50mm Dia	Each	308.00
<b>F</b>	<b>"Y" Junction with Door (Double)</b>		
i	150mm Dia	Each	1359.00
ii	100mm Dia	Each	691.00
iii	75mm Dia	Each	519.00
<b>G</b>	<b>COWL</b>		
i	150mm Dia	Each	338.00
ii	100mm Dia	Each	202.90
iii	75mm Dia	Each	135.60
iv	50mm Dia	Each	104.00

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
147	<b>Stone Ware Pipe</b>		
i	150mm Dia	Each (0.6.RM)	98.40
ii	100mm Dia	Each (0.6.RM)	61.20
148	<b>Stone Ware Specials</b>		
A	<b>Stone Ware TEE</b>		
i	150mm Dia	Each	160.00
ii	100mm Dia	Each	123.40
B	<b>Stone Ware Bend</b>		
i	150mm Dia	Each	135.60
ii	100mm Dia	Each	97.90
C	<b>Stone Ware "Y" Junction</b>		
i	150mm Dia	Each	165.00
ii	100mm Dia	Each	123.00
149	Spun Yarn	Kg	12.80
150	Hemp Yarn	Kg	11.50
151	Gunny Tape / Kithan	sqm.	11.50
152	Tar	Kg	43.40
153	Bitumen Felt 15 mm thick pad	sqm.	271.00
154	Supplying, fabricating, erecting and fixing gyp board false ceiling upto a ceiling height of 4.5m from floor level.		
a	Using plain sheets (10mm thick)	sqm.	817.00
b	Using perforated sheets (10mm thick)	sqm.	1055.00
155	Supplying and laying Glass wool for insulation including necessary packing materials.		
a	Using 50mm thick Glass wool	sqm.	397.00
b	Using 25mm thick Glass wool	sqm.	212.00
156	Vitrified Tiles of size 600 x 600 x 8mm	sq.m.	700.00
157	Pre-polished concrete anti-skid step tiles of 20mm thick	sq.m.	595.00
158	Colour designed glazed tiles 300 x 200 x 6mm	Each	33.25

<b>Sl. No.</b>	<b>Name of Material</b>	<b>Unit</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
159	Squatting Urinal	Set	494.00
160	CI Brackets for fixing the sink	Set	117.00
161	Swan Neck Tap	Each	276.00
162	Brass Screws (30 x 6mm)	Each	2.45
163	Brass Screws (75 x 10mm)	Each	4.90
164	Special clamp, teak wood plugs and screws	Set	24.60
165	PVC clamp, teak wood plugs and screws	Set	9.80
166	Teak wood plug	Each	1.28
167	Teak wood plug (50 x 50 x 100mm)	Each	6.40
168	Manhole Cover 60 x 60cm (heavy duty) with frame	Each	2120.00
169	Welding charges		
a	50mm	Each	1.89
b	40mm	Each	1.48
170	Add for painting / tarring for Hex Nipple	Each	2.45
171	Labour charges for fixing cuddapah slab to cup-board	sqm	38.75
172	Hire charges for polishing machinery	Day	193.00
173	Electricity charges	Unit	10.10
	<b>NEW ITEMS</b>		
174	Stain Free Nano Polish Vitrified Tiles 600 x 600 x 8mm	sqm.	740.00
175	Double Charged Vitrified Tiles 600 x 600 x 8mm	sqm.	1000.00
176	Double Charged Vitrified Tiles 800 x 800 x 10mm	sqm.	1200.00
177	Joint free Rectified Glazed Ceramic Flooring Tiles 305 x 305 x 8mm	Each	65.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
178	<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)</p> <p><b>Floor Fitting</b></p>	Each	5500.00
179	<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</p> <p><b>Wall Fitting</b></p>	Each	6000.00
180	Vinyl Flooring 2mm thick	sqm.	600.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
181	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.	6000.00
182	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	2000.00
183	PVC mould CI Steps for Sump	Each	250.00
184	<b>Vertical Blinds</b>		
a	Ordinary	sqm.	1000.00
b	Premium	sqm.	1500.00
185	Stainless Steel Health Faucet	Each	1100.00
186	High Density Fibre (HDF) Board	sqm.	2400.00
187	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.	5000.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
188	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 (Methodology 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.	5500.00
189	Bitumen Pad		
a	12mm thick	sqm.	485.00
b	20mm thick	sqm.	725.00
190	Pre-Painted Galvanized Iron Window (Airtight Model) with Grill Specification: Providing and fixing for Pre-Painted GI Window fabricated from roll formed sections made of Galvanized Iron Color Coated / Powder Coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 GSM / sqm.) with total coated thickness of 0.6mm. Coated Sections should be with Primer Coat of Epoxy Primer of 5-7 microns thick, finished paint 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. 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. The frame and shutter sections should be cut to length and miter joined with corner bracket made of glass filled Nylon. 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 galzed shutter and both sides of fixed glass. Handle made of high grade Aluminum Powder coated and with nylon receiver-1 each shutter. Friction hinge-1 set for each shutter. Glass shutter and fixing glass portions should be provided with a Acrylic Sheet of minimum 6mm thickness. Windows should be provided with grill made of 10mm square. MS Bars welded at 4" intervals centre to centre, 5mm x 12mm MS flat. Total grill unit should be powder coated and fixed to window frame with Rivets. The above frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electroplated 80mm long screws into the caps through frames. The Pre-Painted Galvanized Iron Window should be got approved from the Executive Engineer before use on work	sqm.	5350.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
191	<p>UPVC Window</p> <p>Specification:  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.	5300.00
192	<p>UPVC Ventilator</p> <p>Specification:  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.	4000.00

Sl. No.	Name of Material	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
193	<p>ABS DOOR</p> <p>Specification:            Providing and fixing of ABS (Acrolonitrile Butadiene Styrene) Door using factory made plain FPVC (Foamed 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 10 Nos. of 50mm 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 to be provided for each vertical member, stiffeners of ('U' Channel of size 29 x 9 x 1mm, 150mm long) 3 Nos. at hinge point, frame reinforcement of ('U' GI Channel of size 46 x 22 x 0.06mm), bottom tie rod of ('U' GI Channel size of 15 x 15 x 1mm), the ABS Shutter of 35mm thick factory made plain pre-laminated. ABS (Acrolonitrile Butadiene Styrene) door shutter moulded in different designs, consisting of all round Frame made out of water proof solid foam PVC bar of size 20x32mm, 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 ball bearing butterfly hinges - 3 Nos. for each shutter and ISI make SS round lock complete, including cost of Materials, conveyance and all other incidental charges and labour charges for fixing the Door neatly etc., complete complying with the standard specification. The door shutter and frame should be got approved from the Executive Engineer before use on work</p>		
a	Plain Pre-laminated Door	sqm.	4300.00
b	Design Pre-laminated Door	sqm.	4600.00
194	Rubber Moulded Hydraulic Pressed Paver Block	sqm.	600.00
195	TAMIN Paver Block of size – Supply at site		
a	60mm thick	sft.	56.00
b	80mm thick	sft.	67.00
196	Solar Reflective Ceramic Tiles of size 305mm x 305mm x 7mm thick	sqm.	400.00
197	Aerated Auto Claved Cellur Concrete Block 60cm x 20cm x 10-30cm	Each	50.00
198	Plasticizer / Super Plasticizer	Kg.	45.00

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)		
			WORKING PRESSURE		
			4 kg. per cm <sup>2</sup>	6 kg. per cm <sup>2</sup>	10 kg. per cm <sup>2</sup>
<b>WATER SUPPLY AND SANITARY ARRANGEMENTS</b>					
<b>199</b>	<b>PVC ITEMS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)</b>				
<b>1</b>	<b>PVC Pipes</b>				
a	15mm Dia	RM	--	--	15.70
b	20mm Dia	RM	--	--	23.20
c	25mm Dia	RM	--	--	39.60
d	32mm Dia	RM	--	--	59.10
e	40mm Dia	RM	--	--	92.50
f	50mm Dia	RM	59.10	92.50	138.30
g	63mm Dia	RM	85.60	125.30	--
h	75mm Dia	RM	119.00	178.30	--
i	90mm Dia	RM	138.60	211.80	--
j	110mm Dia	RM	185.20	278.00	--
l	160mm Dia	RM	383.20	542.80	--
<b>Note</b>	(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>200</b>	<b>PVC Specials for water supply arrangements</b>				
<b>A</b>	<b>Coupler</b>				
a	15mm Dia	Each	--	--	3.85
b	20mm Dia	Each	--	--	4.45
c	25mm Dia	Each	--	--	5.20
d	32mm Dia	Each	--	--	6.55
e	40mm Dia	Each	--	--	9.75
f	50mm Dia	Each	--	--	13.20
<b>B</b>	<b>Elbow</b>				
a	15mm Dia	Each	--	--	5.80

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)		
			WORKING PRESSURE		
			4 kg. per cm <sup>2</sup>	6 kg. per cm <sup>2</sup>	10 kg. per cm <sup>2</sup>
b	20mm Dia	Each	--	--	6.55
c	25mm Dia	Each	--	--	9.15
d	32mm Dia	Each	--	--	13.20
e	40mm Dia	Each	--	--	18.45
f	50mm Dia	Each	--	--	26.40
<b>C</b>	<b>Bend</b>				
a	15mm Dia	Each	--	--	6.55
b	20mm Dia	Each	--	--	7.90
c	25mm Dia	Each	--	--	10.50
d	32mm Dia	Each	--	--	15.70
e	40mm Dia	Each	--	--	21.10
f	50mm Dia	Each	--	--	33.00
<b>D</b>	<b>Tee</b>				
a	15mm Dia	Each	--	--	7.90
b	20mm Dia	Each	--	--	9.15
c	25mm Dia	Each	--	--	13.20
d	32mm Dia	Each	--	--	15.80
e	40mm Dia	Each	--	--	26.40
f	50mm Dia	Each	--	--	39.60
<b>E</b>	<b>End Cap</b>				
a	15mm Dia	Each	--	--	3.85
b	20mm Dia	Each	--	--	5.20
c	25mm Dia	Each	--	--	6.55
d	32mm Dia	Each	--	--	7.90
e	40mm Dia	Each	--	--	12.30
f	50mm Dia	Each	--	--	17.05
<b>F</b>	<b>Reducer</b>				
a	20mm x 15mm	Each	--	--	5.20
b	25mm x 20mm	Each	--	--	5.80
c	32mm x 25mm	Each	--	--	9.15
d	40mm x 32mm	Each	--	--	12.35

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)		
			WORKING PRESSURE		
			4 kg. per cm <sup>2</sup>	6 kg. per cm <sup>2</sup>	10 kg. per cm <sup>2</sup>
e	50mm x 40mm	Each	--	--	21.10
<b>G</b>	<b>Reducer Tee</b>				
a	20mm x 15mm	Each	--	--	7.90
b	25mm x 20mm	Each	--	--	9.15
c	32mm x 25mm	Each	--	--	13.20
d	40mm x 32mm	Each	--	--	15.80
e	50mm x 40mm	Each	--	--	26.40
<b>H</b>	<b>Reducer Elbow</b>				
a	20mm x 15mm	Each	--	--	6.55
b	25mm x 20mm	Each	--	--	7.90
c	32mm x 25mm	Each	--	--	10.50
d	40mm x 32mm	Each	--	--	13.20
e	50mm x 40mm	Each	--	--	19.75
<b>I</b>	<b>Jet Nipple</b>				
a	25mm Dia	Each	--	--	17.05
b	32mm Dia	Each	--	--	22.35
	<b>NEW ITEMS</b>				
<b>J</b>	<b>PVC Door Bend</b>				
a	15mm Dia	Each	--	--	6.55
b	20mm Dia	Each	--	--	7.90
c	25mm Dia	Each	--	--	10.50
d	32mm Dia	Each	--	--	15.70
e	40mm Dia	Each	--	--	21.10
f	50mm Dia	Each	--	--	30.50
<b>K</b>	<b>PVC Door Tee</b>				
a	15mm Dia	Each	--	--	7.90
b	20mm Dia	Each	--	--	9.15
c	25mm Dia	Each	--	--	13.20
d	32mm Dia	Each	--	--	15.80
e	40mm Dia	Each	--	--	26.20
f	50mm Dia	Each	--	--	29.60

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
			"O" Ring Jointing	By pasting
<b>201</b>	<b>PVC SPECIALS FOR SANITARY ARRANGEMENTS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM)</b>			
<b>A</b>	<b>Elbow</b>			
a	75mm	Each	72.30	59.10
b	90mm	Each	92.50	71.40
c	110mm	Each	112.10	92.50
d	160mm	Each	125.30	105.80
<b>B</b>	<b>Door Elbow</b>			
a	75mm	Each	92.50	66.10
b	90mm	Each	119.00	79.30
c	110mm	Each	145.40	125.30
d	160mm	Each	172.00	145.50
<b>C</b>	<b>Tee</b>			
a	75mm	Each	98.90	92.50
b	90mm	Each	125.30	112.10
c	110mm	Each	165.00	151.80
d	160mm	Each	185.20	164.10
<b>D</b>	<b>Tee with Door (Single)</b>			
a	75mm	Each	125.30	119.00
b	90mm	Each	151.80	132.00
c	110mm	Each	191.50	178.30
d	160mm	Each	231.20	211.80
<b>E</b>	<b>Tee with Door (Double)</b>			
a	75mm	Each	158.50	151.80
b	90mm	Each	217.90	198.40
c	110mm	Each	264.70	251.50
d	160mm	Each	303.90	269.60
<b>F</b>	<b>Bend</b>			
a	75mm	Each	79.30	66.10
b	90mm	Each	98.90	79.30
c	110mm	Each	119.00	98.90
d	160mm	Each	132.10	112.10

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
			"O" Ring Jointing	By pasting
<b>G</b>	<b>"Y"</b>			
a	75mm	Each	105.80	98.90
b	90mm	Each	132.10	119.00
c	110mm	Each	172.00	158.80
d	160mm	Each	191.50	172.00
<b>H</b>	<b>"Y" with Door (single)</b>			
a	75mm	Each	125.30	119.00
b	90mm	Each	158.80	138.60
c	110mm	Each	211.80	185.20
d	160mm	Each	244.70	217.90
<b>I</b>	<b>"Y" with Door (Double)</b>			
a	75mm	Each	172.00	165.00
b	90mm	Each	231.20	211.80
c	110mm	Each	278.00	264.20
d	160mm	Each	336.40	304.20
<b>J</b>	<b>Double Tee with Door (Single)</b>			
a	75mm	Each	217.90	178.30
b	90mm	Each	251.50	204.80
c	110mm	Each	296.30	257.80
d	160mm	Each	330.90	291.30
<b>K</b>	<b>Double "Y" with Door (single)</b>			
a	75mm	Each	238.20	198.40
b	90mm	Each	264.70	225.10
c	110mm	Each	304.40	284.20
d	160mm	Each	370.70	330.70
<b>L</b>	<b>Reducer</b>			
a	75mm x 63mm	Each	72.30	59.10
b	110mm x 63mm	Each	92.50	79.30
c	110mm x 75mm	Each	105.80	92.50
d	110mm x 90mm	Each	118.90	105.80
f	160mm x 110mm	Each	138.60	132.00

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
			"O" Ring Jointing	By pasting
<b>M</b>	<b>Shoe</b>			
a	110mm dia	Each	--	79.30
b	160mm dia	Each	--	118.90
<b>N</b>	<b>Vent Cowl</b>			
a	50mm dia	Each	--	32.70
b	75mm dia	Each	--	52.90
c	110mm dia	Each	--	79.30
<b>202</b>	<b>PVC AND HDPE PIPES FOR BORE WELLS</b>			
<b>A</b>	<b>Special Blue Pipes for Bore Well</b>			
a	110mm dia	RM	--	317.00
b	125mm dia	RM	--	355.90
c	140mm dia	RM	--	409.00
d	160mm dia	RM	--	462.00
<b>B</b>	<b>Special Blue Slotted Pipes for Bore Wells</b>			
a	110mm dia	RM	--	330.00
b	125mm dia	RM	--	376.00
c	140mm dia	RM	--	436.00
d	160mm dia	RM	--	529.00
<b>C</b>	<b>End Cap for Bore Well</b>			
a	110mm dia	Each	--	98.90
b	125mm dia	Each	--	105.80
c	140mm dia	Each	--	119.20
d	160mm dia	Each	--	132.00
<b>D</b>	<b>HDPE PIPES FOR SUB-MERSIBLE PUMP IN BORE WELL Class-5 (1 MPa or 10 kg./cm2 pressure)</b>			
a	20mm dia	RM	--	32.70
b	25mm dia	RM	--	59.10
c	32mm dia	RM	--	79.30
d	40mm dia	RM	--	112.10
e	50mm dia	RM	--	158.80

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
			"O" Ring Jointing	By pasting
	<b>OTHER ITEMS :</b>			
203	PVC screw down tap heavy type 20mm dia	Each		85.20
204	PVC screw down tap heavy type 15mm dia	Each		65.90
205	PVC Adhesive (solution)	100 gm		39.50
<b>206</b>	<b>PVC low level flushing tank with all internal fittings (wall mounting type)</b>			
a	White - 10 litre capacity	Set		991.00
b	White - 7.5 litre capacity	Set		758.00
c	Colour - 10 litre capacity	Set		1122.00
d	Colour - 7.5 litre capacity	Set		891.00
207	PVC Water Tank	Litre		9.30
	<b>NEW ITEMS</b>			
208	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)			
a	15mm Dia	RM		39.00
b	20mm Dia	RM		56.00
c	25mm Dia	RM		81.00
d	32mm Dia	RM		110.00
e	40mm Dia	RM		122.00
f	50mm Dia	RM		168.00
g	65mm Dia	RM		250.00
h	80mm dia	RM		320.00
i	100mm dia	RM		420.00
j	150mm dia	RM		700.00
209	UPVC Pipe (Un-Plasticized Polyvinyl Chloride) UPVC used for commercial applications operate and designed to handle higher water pressure (Schedule-80)			
a	15mm Dia	RM		49.00
b	20mm Dia	RM		69.00
c	25mm Dia	RM		98.00
d	32mm Dia	RM		135.00

Sl. No.	Description of Materials	Unit	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
			"O" Ring Jointing	By pasting
e	40mm Dia	RM	167.00	
f	50mm Dia	RM	227.00	
g	65mm Dia	RM	323.00	
h	80mm dia	RM	465.00	
i	100mm dia	RM	689.00	
j	150mm dia	RM	1150.00	
210	CPVC (Chlorinated Poly Vinyl Chloride) Pipe (Higher pressure rating with higher pipe thickness) Standard Dimension Ratio-11			
a	15mm Dia	RM	70.80	
b	20mm Dia	RM	107.40	
c	25mm Dia	RM	167.30	
d	32mm Dia	RM	250.00	
e	40mm Dia	RM	275.00	
f	50mm Dia	RM	300.00	
g	65mm Dia	RM	325.00	
211	CPVC (Chlorinated Poly Vinyl Chloride) Pipe (Lesser pressure rating with lesser pipe thickness) Standard Dimension Ratio-13.50			
a	15mm Dia	RM	62.00	
b	20mm Dia	RM	98.40	
c	25mm Dia	RM	142.80	
d	32mm Dia	RM	217.00	
e	40mm Dia	RM	239.00	
f	50mm Dia	RM	261.00	
g	65mm Dia	RM	283.00	

*[Handwritten Signature]*  
31/5/17

Engineer-in-Chief (Buildings),  
Chief Engineer (Buildings), Chennai Region &  
Chief Engineer (General), PWD, Chennai-5

*[Handwritten Signature]*  
31/5/17

**ANNEXURE-VII**

**RATES OF ELECTRICAL ITEMS OF WORKS**

**Note:** 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>Item No.</b>	<b>Details</b>	<b>Per</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
	<b>RATES FOR MATERIALS: ELECTRICAL LAMPS, FITTINGS AND CONNECTED ACCESSORIES.</b>		
<b>I</b>	<b>PART "A"</b>		
1	<b>INCANDESCENT BULBS 230V/250V GRADE BC/ES WITH ISI</b>		
a	15 Watts	Each	11.20
b	25 Watts	Each	11.20
c	40 Watts	Each	11.20
d	60 Watts	Each	11.20
e	100 Watts	Each	11.20
f	200 Watts	Each	22.40
2	<b>INCANDESCENT BULB 230V/250V GRADE B.C/E.S</b>		
a	Colour 15 Watts	Each	13.70
b	Blended Lamp 160 Watts	Each	271.00
3	<b>PLLAMP (PHILIPS / OSRAM / EQUIVALENT)</b>		
a	9 Watts	Each	84.10
b	11 Watts	Each	89.70
c	18 Watts	Each	141.20
d	36 Watts	Each	157.00
4	<b>FLUORESCENT TUBULAR LAMPS WITH ISI MARK</b>		
a	Cool Day Light 2 Ft. 20 Watts	Each	42.30
b	Cool Day Light 4 Ft. 40 Watts	Each	42.30
c	Cool Day Light 4 Ft. 36 Watts	Each	41.30
5	<b>MERCURY VAPOUR DISCHARGE LAMP 230V GRADE 3 PIN BC</b>		
a	80 Watts	Each	194.80
b	125 Watts	Each	204.00
c	250 Watts	Each	498.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
d	400 Watts	Each	702.00
6	<b>BOX TYPE SINGLE FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR COMPLETE WITH ISI MARK</b>		
a	4 Ft. 40 Watts with Ballast	Each	360.00
b	4 Ft. 40 Watts with Ballast (Philips / Crompton / Wipro / Equivalent)	Each	529.00
7	<b>BOX TYPE TWIN FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR (HPF) COMPLETE WITH ISI MARK</b>		
a	4 Ft. 40 Watts	Each	676.00
b	4 Ft. 40 Watts with Ballast (Philips / Crompton / Equivalent)	Each	882.00
8	<b>INDUSTRIAL TYPE FLUORESCENT FITTING STOVE ENAMELLED WITH COPPER CHOKE AND CONDENSOR (HPF) 4' 40 W</b>		
a	Single type suitable for 1 No. Tube	Each	994.00
b	Twin type suitable for 2 Nos. Tube	Each	1224.00
9	<b>DECORATIVE AND SINGLE FLUORESCENT TYPE FITTING WITH COPPER CHOKE &amp; CONDENSOR (HPF) COMPLETE SUITABLE FOR ONE NUMBER FLUORESCENT TUBE WITH ISI MARK</b>		
a	4 Ft. 40 Watts with Perspex		Deleted
10	<b>DECORATIVE TWIN FLUORESCENT TYPE FITTING WITH COPPER CHOKE &amp; CONDENSOR COMPLETE SUITABLE FOR 2 Nos. FLUORESCENT TUBES</b>		
a	4' 40 W Twin Mirror Optic Recessed Mounting Fitting	Each	1713.00
b	4' 40 W Twin Mirror Optic Suspension Type Fitting (Philips / Crompton / Wipro / Equivalent)	Each	3090.00
c	4' 40 W Twin Mirror Optic Recessed Mounting Type (Philips / Crompton / Wipro / Equivalent)	Each	2264.00
11	<b>SINGLE TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR THE ONE No. FLUORESCENT TUBE WITH COPPER CHOKE &amp; CONDENSOR COMPLETE</b>		
a	4 Ft. 40 Watts Type	Each	754.00
12	<b>TWIN TYPE STREET LIGHTS FLUORESCENT FITTING SUITABLE FOR 2 Nos. FLUORESCENT TUBES WITH COPPER CHOKE &amp; CONDENSOR COMPLETE</b>		
a	4 Ft. 40 Watts Type	Each	1014.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
13	<b>POST TOP LANTERN FITTING OF (INTEGRAL TYPE WITH COPPER CHOKE &amp; CONDENSOR &amp; NECESSARY ACCESSORIES (PHILIPS / CROMPTON GREAVES / WIPRO / EQUIVALENT) (SPHERICAL / RIBBED / CONICAL ACRYLIC COVER)</b>			
a	Suitable for 125 Watts MV Lamp	Each	3650.00	
b	Suitable for 70 Watts SV Lamp	Each	3845.00	
c	Post top lantern fitting with SC holder suitable for 160W Blended Lamp / Incandescent Lamp	Each	2100.00	
	<b>NEW ITEMS</b>			
14	<b>CFL STREET LIGHT FITTINGS (COMPACT FLOURESCENT LAMP)</b>		<b>Higher End Havells / Crompton / Equivalent</b>	<b>Lower End Orbit/ Inventa / Equivalent</b>
a	T5 Street Light (IP65) T5SHE11414EB / 4 x 14W T5	Each	4347.00	3478.00
b	T5 Street Light (IP65) T5SHO11424EB / 4 x 24W T5	Each	4802.00	3842.00
c	1 x 9W CFL Street Light	Each	1001.00	801.00
d	1 x 11W CFL Street Light	Each	1001.00	801.00
e	1 x 13W CFL Street Light	Each	1008.00	806.00
f	1 x 18W CFL Street Light	Each	1008.00	806.00
g	2 x 9W CFL Street Light	Each	959.00	767.00
h	2 x 11W CFL Street Light	Each	1176.00	941.00
i	2 x 13W CFL Street Light	Each	1176.00	941.00
j	20 x 18W CFL Street Light	Each	1176.00	941.00
k	1 x 36 CFL Street Light	Each	1197.00	958.00
l	Orion Retro 45-1 x 45W 4U Retro CFL B22 Street Light	Each	1120.00	896.00
m	Orion Nova CFL - 1 x 85W CFL E27 Street Light	Each	1820.00	1456.00
n	Orion Nova CFL 1 x 85W CFL B22 Street Light	Each	1820.00	1456.00
o	Crypton DD Series for FP-L2 x 36WFP-LHF(MS) Street Light	Each	1890.00	1512.00
p	Crypton DD Series for FP-L2 x 36WFP-LHF(AL) Street Light	Each	2100.00	1680.00
q	Crypton DD Series for T5 1 x 24W FTL T5 Street Light	Each	1960.00	1568.00
r	Crypton DD Series for T5 2 x 14W FTL T5 Street Light	Each	2170.00	1736.00
s	Crypton DD Series for T5 2 x 24W FTL T5 Street Light	Each	2275.00	1820.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
t	Crypton FTL 1 x 36 / 40W FTL Street Light	Each	1575.00	1260.00
u	Crypton FTL 2 x 36 / 40W FTL Street Light	Each	2240.00	1792.00
<b>15</b>	<b>LED INDOOR FITTINGS (LIGHT EMITTING DIODE)</b>		<b>Higher End Philips / Havells / Equivalent</b>	<b>Lower End Orbit / Equivalent</b>
a	LED 4000K 2 x 2 Square Type Recessed Fitting	Each	3920.00	2778.00
b	18W LED 3000K Square Type Recessed Fitting	Each	1537.00	1014.00
c	18W LED 3000K Round Type Recessed Fitting	Each	1397.00	1100.00
<b>16</b>	<b>LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE)</b>		<b>Higher End Philips / Havells / Equivalent</b>	
a	30W LED Street Light Fitting	Each	2800.00	
b	48W LED Street Light Fitting	Each	5530.00	
c	80W LED Focus Light Fitting	Each	13160.00	
<b>17</b>	<b>LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE)</b>		<b>Lower End Orbit / Equivalent</b>	
a	25W LED Street Light Fitting	Each	1323.00	
b	30W LED Street Light Fitting	Each	2058.00	
c	60W LED Street Light Fitting	Each	4060.00	
<b>18</b>	<b>STARTERS FOR FLUORESCENT TUBES</b>			
a	Starters of capacity 20 Watts	Each	11.20	
b	Starters of capacity 40 Watts	Each	11.20	
<b>19</b>	<b>POLYSTER FILLED COPPER CHOKE 250V / 50HZ GRADE SUITABLE FOR (PHILIPS / CROMPTON / WIPRO / EQUIVALENT)</b>			
a	20 Watts Fluorescent Tube	Each	199.00	
b	40 Watts Fluorescent Tube	Each	199.00	
c	36 / 40W Electronic Ballast for Fluorescent Tube (Philips / Crompton / Equivalent)	Each	330.00	
d	36 / 40W Electronic Ballast for Fluorescent Tube (Indo Asean / Equivalent)	Each	269.00	
<b>20</b>	<b>CONDENSOR FOR SV / MV LAMP</b>			
a	8 Mfd for 80 Watts Bulb	Each	126.00	

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
b	10 Mfd for 125 Watts Bulb	Each	151.00
c	15 Mfd for 250 Watts Bulb	Each	201.00
d	20 Mfd for 400 Watts Bulb	Each	278.00
21	Battern Type Bakelite Holder for Lamp	Each	20.20
22	Water Tight Bulk Head Fitting suitable for 100 / 60 Watts Lamp with Guard Heavy Type (PHILIPS / BAJAJ / CROMPTON GREAVES / EQUIVALENT)	Each	336.00
23	Ceiling Rose	Each	16.80
24	Ceiling Fixtures 250 / 300mm complete with gallery tc. Clear Glass Opac / Ccrystal suitable for 40 / 60 Watts Bulb	Each	198.00
25	Ceiling Luminaire with Mirror Optics suitable for 2 Nos. 9 Watts / 11 Watts (Philips / Crompton / Bajaj / Equivalent)	Each	1254.00
	<b>(For Items 6 to 14, 24 &amp; 25 the rates are exclusive of cost of Tubes and Lamps)</b>		
25	Fan Clamp (Dia 12mm) with 6mm MS Side Plates & 45cm Cross Arm	Each	134.00
26	<b>CALL BELLS</b>		
a	Call Bell / Buzzer 6mm suitable for AC / DC	Each	50.40
b	Push Bell	Each	20.20
c	Gong Bell 9" size suitable for 250V	Each	504.00
d	Gong Bell 12" size suitable for 250V	Each	730.00
27	<b>WATER HEATER WITH ISI MARK (VENUS / RACOLD / EQUIVALENT)</b>		
a	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W	Each	5880.00
b	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W	Each	7940.00
c	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 35 Litres capacity 230V / 1000W	Each	6820.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
d	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 35 Litres capacity 230V / 1000W	Each	9120.00
<b>II</b>	<b>PART "B"</b>		
1	<b>FANS - CONFORMING TO ISS 374 / 1979</b>		
a	AC Ceiling Fan complete 1200 mm (48") Sweep with 300mm Down Rod (without Regulator)	Each	1340.00
b	AC Ceiling Fan Complete 1400 mm (56") Sweep with 300mm Down Rod (without Regulator)	Each	1440.00
c	Stepped Electronic 300W / 450W Square Type Fan Regulator (Anchor Deluxe / Equivalent)	Each	228.00
d	Dimmer Type Electronic 300W / 450W Square Type Fan Regulator (Anchor Deluxe / Equivalent)	Each	182.00
e	AC Ceiling Fan complete 1200mm (48") Sweep with 300mm Down Rod (without Regulator) (Crompton / Equivalent)	Each	1520.00
f	AC Ceiling Fan complete 1400mm (56") Sweep with 300mm Down Rod (without Regulator) (Crompton / Equivalent)	Each	1640.00
2	<b>EXHAUST FANS</b>		
a	AC Exhaust Fan 225mm (9") Sweep (Light Duty)	Each	1240.00
b	AC Exhaust Fan 300mm (12") Sweep (Light Duty)	Each	1420.00
c	AC Exhaust Fan 375mm (15") Sweep (Light Duty)	Each	1460.00
d	AC Exhaust Fan 450mm (18") Sweep (Light Duty)	Each	2060.00
e	AC Exhaust Fan 375mm (15") Sweep (Light Duty)	Each	2700.00
f	AC Exhaust Fan 450mm (18") Sweep (Light Duty)	Each	3360.00
3	<b>LOUVER SHUTTERS ARRANGEMENTS</b>		
a	MS / Fibre Louvers Shutters arrangements for 300mm AC Exhaust Fan	Each	269.00
b	MS / Fibre Louvers Shutters arrangements for 375mm AC Exhaust Fan	Each	285.00
c	MS / Fibre Louvers Shutters arrangements for 450mm AC Exhaust Fan	Each	319.00

Item No.	Details		Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	<b>NEW ITEMS</b>				
	<b>4</b>	<b>CEILING FAN</b>		<b>Higher End Havells / Crompton / Usha / Equivalent</b>	<b>Lower End Almonard/ Equivalent</b>
	a	48" Ceiling Fan 5 Star Rates	Each	1710	1520
	b	48" Ceiling Fan Crompton High Speed	Each	1700	1500
	<b>5</b>	<b>DIMMER AND REGULATOR</b>			
	a	Fan Step Regulator 100W - 1 Module	Each	398.00	286.00
	b	Fan Step Regulator 100W - 2 Module	Each	454.00	327.00
<b>III</b>	<b>PART "C"</b>				
	<b>1</b>	<b>SWITCHES</b>			
	a	5 Amps (Flush Type)	Dozen	207.00	
	b	5 Amps (Flush Type Staircase)	Dozen	258.00	
	<b>2</b>	<b>DOUBLE POLE SWITCHES (GEM / HPL / HAVELLS / EQUIVALENT)</b>			
	a	16 Amps DP Switch with Metal Clad (Front Handle)	Each	485.00	
	b	32 Amps DP Switch with Metal Clad (Front Handle)	Each	994.00	
	c	16 Amps DP Switch with Metal Clad (Side Handle)	Each	401.00	
	d	32 Amps DP Switch with Metal Clad (Side Handle)	Each	902.00	
	<b>3</b>	<b>TRIPLE POLE SWITCHES (SIDE HANDLE) (STANDARD / HPL / HAVELLS / EQUIVALENT)</b>			
	a	100 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	6820.00	
	b	125 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	7470.00	
	c	200 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	9650.00	
	d	315 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	13700.00	
	e	400 Amps TPN Switch with HRC Fuses Sheet Steel Double Break	Each	17640.00	
	f	16 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	1035.00	

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
g	32 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	1530.00
h	63 Amps TPN Metal Clad Switch with Re-wirable Fuse Units	Each	3330.00
i	100 Amps Metal Clad Switch with Re-wirable Fuse Units	Each	6550.00
j	200 Amps Metal Clad Switch with Re-wirable Fuse Units	Each	9940.00
4	<b>SWITCH DISCONNECTOR FUSE UNITS IN SHEET STEEL ENCLOSURE (SDF) (L &amp; T / SIEMENS / EQUIVALENT)</b>		
a	63A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	4210.00
b	100A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	7080.00
c	125A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	8360.00
d	200A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	10500.00
e	250A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	13100.00
f	315A TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	15700.00
g	400 TPN Switch Disconnecter Fuse Units in Sheet Steel Enclosure with HRC fuses Double Break	Each	18000.00
5	<b>SWITCH DISCONNECTOR FUSE UNITS IN OPEN EXECUTION (INTERIOR FOR CUBICAL) (L &amp; T / SIEMENS / EQUIVALENT)</b>		
a	63A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	2780.00
b	100A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	5060.00
c	125A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	6900.00
d	200A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	8900.00
e	250A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	11600.00
f	315A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	14580.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
g	400A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break	Each	17200.00
6	<b>FUSE UNITS (ANCHOR / EQUIVALENT)</b>		
a	16 Amps Porcelain Fuse Unit (500V)	Each	56.00
b	32 Amps Porcelain Fuse Unit (500V)	Each	99.00
c	63 Amps Porcelain Fuse Unit (500V)	Each	222.00
d	100Amps Porcelain Fuse Unit (500V)	Each	399.00
e	200 Amps Porcelain Fuse Unit (500V)	Each	646.00
7	<b>SINGLE PHASE DBS (GEM / EQUIVALENT)</b>		
a	4 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	539.00
b	6 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	733.00
c	8 Way DB 16 Amps / Way with Fuse & Neutral each (250V)	Each	909.00
8	<b>THREE PHASE DBS (GEM / EQUIVALENT)</b>		
a	4 Way TPDB 16A / Way with Fuse & Neutral Link	Each	2125.00
b	6 Way TPDB 16A / Way with Fuse & Neutral Link	Each	2910.00
c	8 Way TPDB 16A / Way with Fuse & Neutral Link	Each	3520.00
d	4 Way TPDB 32A / Way with Fuse & Neutral Link	Each	2690.00
e	6 Way TPDB 32A / Way with Fuse & Neutral Link	Each	3590.00
f	8 Way TPDB 32A / Way with Fuse & Neutral Link	Each	4540.00
g	4 Way TPDB 63A / Way with Fuse & Neutral Link	Each	6280.00
h	6 Way TPDB 63A / Way with Fuse & Neutral Link	Each	8080.00
9	<b>CHANGE OVER SWITCHES GEM / HAVELL'S / HPL / STANDARD / EQUIVALENT)</b>		
a	16 Amps Three Phase 500V 4 Pole Change Over Switch	Each	1460.00
b	32 Amps Three Phase 500V 4 Pole Change Over Switch	Each	1730.00
c	63 Amps Three Phase 500V 4 Pole Change Over Switch	Each	3780.00
d	100 Amps Three Phase 500V 4 Pole Change Over Switch	Each	6010.00
e	200 Amps Three Phase 500V 4 Pole Change Over Switch	Each	11300.00

Item No.	Details		Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	<b>NEW ITEMS</b>				
<b>10</b>	<b>MODULAR SWITCHES</b>			<b>Higher End Crabtree / legrand / Hager / Equivalent</b>	<b>Lower End Orbit / Oswin / ROMA / Equivalent</b>
1	<b>Switches 6A - 230V</b>				
a	6A Switch 1W - 1 Module		Each	92.00	67.00
b	6A Switch 2W - 1 Module		Each	111.00	79.00
c	6A Switch 1W - 1 Module with Indicator		Each	122.00	87.00
d	6A Switch 1W - 1 Module with 'Light' Marking		Each	98.00	70.00
e	6A Switch 1W - 1 Module with 'Fan' Marking		Each	98.00	70.00
2	<b>Switches 16A - 230V</b>				
a	16A Switch 1W - 1 Module		Each	137.00	98.00
b	16A Switch 2W - 1 Module		Each	169.00	122.00
c	16A Switch 1W with Indicator - 1 Module		Each	161.00	116.00
3	<b>Switches 20A - 230V</b>				
a	20A 1W Switch - 1 Module		Each	178.00	128.00
b	20A DP 1W Switch - 2 Module		Each	297.00	213.00
c	20A DP 1W Switch with Indicator - 2 Module		Each	314.00	226.00
4	<b>Switches 25A - 230V</b>				
a	25A SP 1W Switch with Indicator - 1 Module		Each	195.00	140.00
5	<b>Switches 32A - 230V</b>				
a	32A DP Switch with Indicator - 2 Module		Each	379.00	274.00
<b>11</b>	<b>PUSH BUTTONS</b>				
a	6A Push Button SP - 1 Module		Each	123.00	89.00
b	6A Push Button SP with Indicator - 1 Module		Each	160.00	115.00
c	6A Bell Push - 1 Module		Each	122.00	87.00
d	6A Bell push with Indicator - 1 Module		Each	151.00	108.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
e	6A Bell Push - 2 Module	Each	160.00	115.00
f	6A Bell Push with Indicator - 2 Module	Each	188.00	135.00
<b>12</b>	<b>MOTOR STARTER</b>			
a	25A Motor Starter - 2 Module	Each	351.00	253.00
<b>13</b>	<b>FLUSH MOUNTING BOXES (GI)</b>			
a	Flush Box - 1/2 Module	Each	47.00	34.00
b	Flush Box - 3 Module	Each	55.00	40.00
c	Flush Box - 4 Module	Each	67.00	48.00
d	Flush Box - 6 Module	Each	105.00	76.00
e	Flush Box - 8 Module	Each	129.00	93.00
f	Flush Box - 8 Module (2 row x 4)	Each	130.00	94.00
g	Flush Box - 12/16 (2 row x 6) Module Metal Box	Each	174.00	125.00
h	Flush Box - 18 Module Metal Box	Each	198.00	142.00
<b>14</b>	<b>SURFACE MOUNTING BOXES (PLASTIC)</b>			
a	Surface Box - 1/2 Module	Each	52.00	37.00
b	Surface Box - 3 Module	Each	55.00	40.00
c	Surface Box - 4 Module	Each	71.00	51.00
d	Surface Box - 6 Module	Each	92.00	67.00
e	Surface Box - 8 Module	Each	112.00	81.00
f	Surface Box - 8 (2 row x 4) Module	Each	130.00	94.00
g	Metal Surface Box - 12/16 (2 row x 6) Module	Each	197.00	142.00
h	Metal Surface Box - 18 Module	Each	251.00	180.00
<b>15</b>	<b>COMBINED PLATES (PLASTIC)</b>			
a	1 Metre Cover Plate	Each	77.00	56.00
b	2 Metre Cover Plate	Each	81.00	58.00
c	3 Metre Cover Plate	Each	98.00	70.00
d	4 Metre Cover Plate	Each	109.00	78.00
e	6 Metre Cover Plate	Each	153.00	110.00
f	8 Metre Cover Plate	Each	195.00	140.00
g	8 Metre Cover Plate (H)	Each	196.00	141.00

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	h	12 Metre Cover Plate	Each	244.00	176.00
	i	18 Metre Cover Plate	Each	308.00	221.00
	<b>16</b>	<b>COMBINED PLATES (ALUMINIUM)</b>			
	a	1 Metre Cover Plate	Each	157.00	113.00
	b	2 Metre Cover Plate	Each	165.00	119.00
	c	3 Metre Cover Plate	Each	179.00	129.00
	d	4 Metre Cover Plate	Each	202.00	145.00
	e	6 Metre Cover Plate	Each	344.00	248.00
	f	8 Metre Cover Plate	Each	379.00	274.00
	g	8 Metre Cover Plate (H)	Each	483.00	347.00
	h	12 Metre Cover Plate	Each	627.00	452.00
	i	18 Metre Cover Plate	Each	827.00	595.00
<b>IV</b>		<b>PART "D"</b>			
	<b>1</b>	<b>PLUG AND SOCKETS</b>			
	a	5 Amps 3 Pin & 2 Pin Combined Flush Type Wall Socket only	Each	28.20	
	b	5 Amps / 15 Amps 3 Pin Flush Type Wall Socket only	Each	63.50	
	c	5 Amps 3 Pin Top	Each	39.90	
	d	15 Amps 3 Pin Top	Each	56.50	
	e	15 Amps Flush Type Switch	Each	65.80	
	f	10 Amps MC Plug with 3 Pin Top	Each	211.00	
	g	20 Amps MC Plug with 3 Pin Top	Each	240.00	
		<b>NEW ITEMS</b>			
	<b>2</b>	<b>SOCKET - 230V</b>		<b>Higher End Crabtree / legrand / Hager / Equivalent</b>	<b>Lower End Orbit / Oswin / ROMA / Equivalent</b>
	a	16A 3 Pin Switched Socket - 3 Module	Each	452.00	326.00
	b	6A 5 pin Universal Socket - 2 Module	Each	141.00	102.00
	c	6/16A Socket - 3 Module	Each	255.00	184.00
	d	6/16A Socket - 2 Module	Each	216.00	155.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
3	<b>SINGLE PHASE WATT HOUR METERS (HPL / EQUIVALENT)</b>		
a	AC Single Phase 230V / 250V / 50HZ 5 Amps Watt Hour Meter	Each	1120.00
b	AC Single Phase 230V / 250V / 50HZ 10 Amps Watt Hour Meter.	Each	1120.00
c	AC Single Phase 230V / 250V / 50HZ 20 Amps Watt Hour Meter	Each	1120.00
4	<b>THREE PHASE WATT HOUR METERS (ANCHOR / EQUIVALENT)</b>		
a	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 10 Amps Watt Hour Meter	Each	2310.00
b	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 25 Amps Watt Hour Meter	Each	2310.00
c	AC 3 Phase 400V 50HZ unbalanced load 4 Wire 50 Amps Watt Hour Meter	Each	2930.00
<b>V</b>	<b>PART "E"</b>		
1	<b>SERVICE CONNECTION ACCESSORIES L.T. 1100V PVC ALUMINIUM ARMoured UNDER GROUND CABLE WITH ISI MARK</b>		
a	2 core 6 sq.mm. PVC Armoured UG Cable	Metre	99.20
b	2 core 10 sq.mm. PVC Armoured UG Cable	Metre	120.80
c	2 core 16 sq.mm. PVC Armoured UG Cable	Metre	131.00
d	2 core 25 sq.mm. PVC Armoured UG Cable	Metre	148.90
e	3 <sup>1</sup> / <sub>2</sub> core 25 sq.mm. PVC Armoured UG Cable	Metre	224.30
f	3 <sup>1</sup> / <sub>2</sub> core 35 sq.mm. PVC Armoured UG Cable	Metre	264.00
g	3 <sup>1</sup> / <sub>2</sub> core 50 sq.mm. PVC Armoured UG Cable	Metre	344.00
h	3 <sup>1</sup> / <sub>2</sub> core 70 sq.mm. PVC Armoured UG Cable	Metre	441.00
i	3 <sup>1</sup> / <sub>2</sub> core 95 sq.mm. PVC Armoured UG Cable	Metre	571.00
j	3 <sup>1</sup> / <sub>2</sub> core 120 sq.mm. PVC Armoured UG Cable	Metre	698.00
k	3 <sup>1</sup> / <sub>2</sub> core 150 sq.mm. PVC Armoured UG Cable	Metre	826.00
l	3 <sup>1</sup> / <sub>2</sub> core 185 sq.mm. PVC Armoured UG Cable	Metre	1010.00
m	3 <sup>1</sup> / <sub>2</sub> core 240 sq.mm. PVC Armoured UG Cable	Metre	1280.00
n	3 <sup>1</sup> / <sub>2</sub> core 300 sq.mm. PVC Armoured UG Cable	Metre	1570.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
o	3 <sup>1</sup> / <sub>2</sub> core 400 sq.mm. PVC Armoured UG Cable	Metre	2000.00
p	4 core 6 sq.mm. PVC Armoured UG Cable	Metre	128.50
q	4 core 10 sq.mm. PVC Armoured UG Cable	Metre	140.70
r	4 core 16 sq.mm. PVC Armoured UG Cable	Metre	185.60
2	<b>PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS:694/1990</b>		
a	14 / 0.3 (1.0 sq.mm.)	Metre	9.35
b	22 / 0.3 (1.5 sq.mm.)	Metre	14.70
c	36 / 0.3 (2.5 sq.mm.)	Metre	22.85
d	56 / 0.3 (4 sq.mm.)	Metre	36.25
e	84 / 0.3 (6 sq.mm.)	Metre	53.75
f	140 / 0.3 (10 sq.mm.)	Metre	80.65
g	101 / 0.45 (16 sq.mm.)	Metre	131.80
h	168 / 0.45 (25 sq.mm.)	Metre	290.00
3	<b>CONDUCTOR</b>		
a	Hard Drawn Copper Conductor (Gauge No. 8&6)	KG	544.00
b	14 SWG TC Wire	KG	557.00
c	GI No.8 Wire and No.6 Wire	KG	89.70
4	<b>CABLE GLANDS</b>		
a	Cable Gland suitable for 2 core 4 sq.mm. UG Cable	Each	19.80
b	Cable Gland suitable for 2 core 6 sq.mm. UG Cable	Each	24.60
c	Cable Gland suitable for 2 core 10 sq.mm. UG Cable	Each	29.30
d	Cable Gland suitable for 2 core 16 sq.mm. UG Cable	Each	43.40
e	Cable Gland suitable for 2 core 25 sq.mm. UG Cable	Each	51.80
f	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 25 sq.mm. UG Cable	Each	51.80
g	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 35 sq.mm. UG Cable	Each	65.80
h	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 50 sq.mm. UG Cable	Each	65.80
I	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 70 sq.mm. UG Cable	Each	81.10
j	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 95 sq.mm. UG Cable	Each	98.90
k	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 120 sq.mm. UG Cable	Each	125.90

<b>Item No.</b>	<b>Details</b>	<b>Per</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
l	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 150 sq.mm. UG Cable	Each	165.70
m	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 185 sq.mm. UG Cable	Each	196.00
n	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 240 sq.mm. UG Cable	Each	196.00
o	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 300 sq.mm. UG Cable	Each	234.00
p	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 400 sq.mm. UG Cable	Each	334.00
q	Cable Gland suitable for 3 <sup>1</sup> / <sub>2</sub> core 500 sq.mm. UG Cable	Each	389.00
r	Cable Gland suitable for 4 core 6 sq.mm. UG Cable	Each	24.60
s	Cable Gland suitable for 4 core 10 sq.mm. UG Cable	Each	29.30
t	Cable Gland suitable for 4 core 25 sq.mm. UG Cable	Each	51.80
5	<b>FUSE WIRE (COPPER)</b>		
a	5 Amps Fuse Wire	KG	544.00
b	10 Amps Fuse Wire	KG	544.00
c	20 Amps Fuse Wire	KG	544.00
6	<b>NEUTRAL LINK 15 AMPS</b>		
a	4 Way Neutral Link	Each	27.00
b	6 Way Neutral Link	Each	40.00
c	8 Way Neutral Link	Each	49.90
d	12 Way Neutral Link	Each	72.40
<b>VI</b>	<b>PART "F"</b>		
1	<b>MS BOX WITH PAINTING (16 SWG)</b>		
a	MS Box of size 100 x 100 x 75 mm	Each	49.40
b	MS Box of size 150 x 100 x 75 mm	Each	68.30
c	MS Box of size 200 x 150 x 75 mm	Each	111.00
d	MS Box complete with Lock & Key arrangements with painting of size 300 x 200 x 100mm	Each	336.00
<b>VII</b>	<b>PART "G"</b>		
1	<b>MS ANGLES</b>		
a	1 <sup>1</sup> / <sub>2</sub> "x1 <sup>1</sup> / <sub>2</sub> "x <sup>1</sup> / <sub>4</sub> " (37.5 x 37.5 x 6.24mm) (1M=3.25 kg)	KG	51.40
b	1 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>2</sub> " x <sup>1</sup> / <sub>2</sub> " (37.5 x 37.5 x 12.5mm)	KG	51.40
c	2" x 2" x <sup>1</sup> / <sub>2</sub> " (50 x 50 x 12.5mm)	KG	51.40

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
2	<b>ALUMINIUM FLAT</b>		
a	Aluminium Flat (1" x 1/4") (25 x 6.25mm)	KG	195.00
b	Aluminium Flat (1" x 1/8")	KG	195.00
3	<b>COPPER FLAT</b>		
a	Copper Flat (25 x 3mm)	KG	544.00
b	Copper Flat (25 x 6mm)	KG	544.00
c	Copper Flat (33 x 6mm)	KG	544.00
d	Copper Flat (50 x 6mm)	KG	544.00
4	<b>POWER CAPACITOR</b>		
a	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415 / 440V 50 HZ conforming to ISS:2384 with ISI marking	KVAR	370.00
<b>VIII</b>	<b>PART "H"</b>		
1	<b>CONDUIT MATERIALS 16 GAUGE</b>		
a	Conduit Pipe 16mm (5/8") Heavy Gauge	Metre	33.60
b	Conduit Pipe 19mm (3/4") Heavy Gauge	Metre	34.70
c	Conduit Pipe 25mm (1") Heavy Gauge	Metre	42.70
d	Conduit Pipe 32mm (1 1/4") Heavy Gauge	Metre	56.00
e	Conduit Pipe 38mm (1 1/2") Heavy Gauge	Metre	66.00
2	<b>CONDUIT TEE BENDS</b>		
a	Conduit Tee Bend 16mm (5/8")	Dozen	94.00
b	Conduit Tee Bend 19mm (3/4")	Dozen	95.00
c	Conduit Tee Bend 25mm (1")	Dozen	114.00
d	Conduit Tee Bend 32mm (1 1/4")	Dozen	118.00
e	Conduit Tee Bend 38mm (1 1/2")	Dozen	147.00
f	Conduit Tee Bend 50mm (2")	Dozen	184.00
3	<b>CONDUIT BENDS - 16 GAUGE</b>		
a	Conduit Solid Bend 16mm (5/8")	Dozen	89.00
b	Conduit Solid Bend 19mm (3/4")	Dozen	99.00
c	Conduit Solid Bend 25mm (1")	Dozen	117.00
d	Conduit Solid Bend 32mm (1 1/4")	Dozen	138.00

<b>Item No.</b>	<b>Details</b>	<b>Per</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
e	Conduit Solid Bend 38mm (1½")	Dozen	196.00
f	Conduit Solid Bend 50mm (2")	Dozen	240.00
4	<b>CONDUIT INSPECTION BEND-16 GAUGE</b>		
a	Conduit Inspection Bend 16mm (5/8")	Dozen	89.00
b	Conduit Inspection Bend 19mm (3/4")	Dozen	92.00
c	Conduit Inspection Bend 25mm (1")	Dozen	118.00
d	Conduit Inspection Bend 32mm (1¼")	Dozen	142.00
e	Conduit Inspection Bend 38mm (1½")	Dozen	184.00
f	Conduit Inspection Bend 50mm (2")	Dozen	209.00
g	Conduit Inspection Bend 65mm (2½")	Dozen	269.00
<b>IX</b>	<b>PART "I"</b>		
1	<b>PVC (RIGID) PIPES (1.8MM THICK) WITH ISI</b>		
a	PVC Rigid Pipe 16mm (5/8")	Metre	14.40
b	PVC Rigid Pipe 20mm (3/4")	Metre	20.80
c	PVC Rigid Pipe 25mm (1")	Metre	30.90
d	PVC Rigid Pipe 32mm (1¼")	Metre	46.80
e	PVC Rigid Pipe 40mm (1½")	Metre	66.70
f	PVC Rigid Pipe 50mm (2")	Metre	99.90
2	<b>PVC RIGID BENDS</b>		
a	PVC Rigid Bend 16mm (5/8")	Each	3.35
b	PVC Rigid Bend 20mm (3/4")	Each	3.35
c	PVC Rigid Bend 25mm (1")	Each	4.55
d	PVC Rigid Bend 32mm (1¼")	Each	8.10
e	PVC Rigid Bend 40mm (1½")	Each	20.20
f	PVC Rigid Bend 50mm (2")	Each	24.50
3	<b>PVC COUPLES</b>		
a	PVC Couples 16mm (5/8")	Dozen	14.40
b	PVC Couples 19mm (3/4")	Dozen	14.40
c	PVC Couples 25mm (1")	Dozen	28.00
d	PVC Couples 32mm (1¼")	Dozen	63.90

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
e	PVC Couples 38mm (1½")	Dozen	137.00
f	PVC Couples 50mm (2")	Dozen	143.00
4	<b>PVC TEES</b>		
a	PVC Tee 16mm (5/8")	Dozen	14.40
b	PVC Tee 19mm (3/4")	Dozen	16.70
c	PVC Tee 25mm (1")	Dozen	21.30
d	PVC Tee 32mm (1¼")	Dozen	95.40
e	PVC Tee 38mm (1½")	Dozen	307.00
f	PVC Tee 50mm (2")	Dozen	336.00
5	<b>PVC SADDLES</b>		
a	PVC Saddles 16mm (5/8")	Dozen	3.35
b	PVC Saddles 19mm (3/4")	Dozen	3.85
c	PVC Saddles 25mm (1")	Dozen	4.45
d	PVC Saddles 32mm (1¼")	Dozen	5.60
e	PVC Saddles 38mm (1½")	Dozen	6.70
f	PVC Saddles 50mm (2")	Dozen	13.40
6	<b>PVC JUNCTION BOXES</b>		
a	Junction Boxes 1, 2, 3 & 4 way 16mm (5/8")	Dozen	44.80
b	Junction Boxes 1, 2, 3 & 4 way 19mm (3/4")	Dozen	44.80
c	Junction Boxes 1, 2, 3 & 4 way 25mm (1")	Dozen	52.70
d	Junction Boxes 1, 2, 3 & 4 way 32mm (1¼")	Dozen	117.00
e	Junction Boxes 1, 2, 3 & 4 way 38mm (1½")	Dozen	139.00
7	<b>PVC HYLEM SHEETS</b>		
a	Hylem Sheet 3mm Thick	Sq.m	685.00
8	<b>INSULATION TAPE PVC</b>		
a	PVC Insulation Tape (19mm)	Roll / 10 mtr.	16.70
b	Empire Tape (12mm)	Roll / 10 mtr.	22.40
c	Empire Tape (19mm)	Roll / 10 mtr.	26.90

Item No.	Details		Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
<b>X</b>	<b>PART "J"</b>				
	<b>TEAK WOOD MATERIALS</b>				
1	<b>TW BOX CONCEALED TYPE</b>				
a	TW Box Concealed Type 12" x 8" x 3"		Each	84.20	
b	TW Box Concealed Type 8" x 6" x 3"		Each	44.80	
c	TW Box Concealed Type 6" x 4" x 3"		Each	20.10	
d	TW Box Concealed Type 4" x 4" x 3"		Each	16.70	
e	TW Plugs 1 <sup>1</sup> / <sub>2</sub> " x 1" x 2"		1000 Nos.	347.00	
f	TW Round blocks		100 Nos.	673.00	
<b>XI</b>	<b>PART "K"</b>				
1	<b>CRIMPING LUGS SUITABLE FOR THE FOLLOWING SIZES</b>				
		<b>Size</b>		<b>Aluminium</b>	<b>Copper</b>
a	4.0 sq.mm.		Each	1.60	4.65
b	6.0 sq.mm.		Each	1.80	4.65
c	10.0 sq.mm.		Each	2.30	5.85
d	16.0 sq.mm.		Each	2.30	7.00
e	25.0 sq.mm.		Each	3.50	11.75
f	35.0 sq.mm.		Each	4.65	12.90
g	50.0 sq.mm.		Each	7.00	15.25
h	70.0 sq.mm.		Each	9.35	24.65
j	95.0 sq.mm.		Each	10.60	30.60
i	120.0 sq.mm.		Each	14.10	42.30
k	150.0 sq.mm.		Each	18.80	54.10
l	185.0 sq.mm.		Each	24.65	82.40
m	225.0 sq.mm.		Each	36.50	117.30
n	240.0 sq.mm.		Each	40.00	117.30
o	300.0 sq.mm.		Each	55.30	158.70
p	400.0 sq.mm.		Each	82.40	240.70

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
2	<b>CABLE ROUTE INDICATOR</b>		
a	Cable Route Indicator for LT Cable	Each Box	78.50
b	Cable Route Indicator for HT Cable	Each Box	78.50
<b>XII</b>	<b>PART "L"</b>		
1	<b>BRASS SCREWS</b>		
a	Brass Screws (20mm) 3/4" No.6	Gross	72.90
b	Brass Screws (25mm) 1" No.6	Gross	78.50
c	Brass Screws (40mm) 1 1/2" No.6	Gross	84.10
d	Brass Screws (20mm) 3/4" No.8	Gross	72.90
e	Brass Screws (25mm) 1" No.8	Gross	78.50
f	Brass Screws (50mm) 2" No.10	Gross	162.00
g	Brass Screws (75mm) 3" No.10	Gross	240.00
2	Coach Screws 2" x 1/4" (50 x 6.25mm)	Dozen	14.50
3	<b>CONDUIT SADDLES</b>		
a	Conduit Saddles 16mm (5/8")	Gross	44.80
b	Conduit Saddles 19mm (3/4")	Gross	47.70
c	Conduit Saddles 25mm (1")	Gross	56.00
d	Conduit Saddles 32mm (1 1/4")	Gross	72.90
e	Conduit Saddles 38mm (1 1/2")	Gross	89.70
f	Conduit Saddles 50mm (2")	Gross	100.90
g	Conduit Saddles 65mm (2 1/2")	Gross	115.00
4	<b>SODIUM VAPOUR FITTINGS &amp; LAMP (FOR EXTERNAL ELECTRIFICATION AND CAMPUS LIGHTING)</b>		
a	250 Watts Sodium Vapour Fittings	Each	3550.00
b	250 Watts Sodium Vapour Lamp	Each	785.00
c	150 Watts Sodium Vapour Fittings	Each	3500.00
d	150 Watts Sodium Vapour Lamp	Each	673.00
e	70 Watts Sodium Vapour Fittings	Each	2830.00
f	70 Watts Sodium Vapour Lamp	Each	448.00

Item No.	Details		Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
5	<b>SODIUM VAPOUR LAMP FITTING SINGLE PIECE DIE CAST ALUMINIUM HOUSING AND LAMP FOR HEAVY TRAFFIC ROADS (PHILIPS / CROMPTON GREAVES / WIPRO / BAJAJ / EQUIVALENT)</b>				
	a	400 Watts Sodium Vapour Fittings	Each	10600.00	
	b	400 Watts Sodium Vapour Lamp	Each	1100.00	
	c	250 Watts Sodium Vapour Fittings	Each	7240.00	
	d	250 Watts Sodium Vapour Lamp	Each	890.00	
	e	150 Watts Sodium Vapour Fittings	Each	6800.00	
	f	150 Watts Sodium Vapour Lamp	Each	730.00	
	g	70 Watts Sodium Vapour Fittings	Each	2910.00	
	h	70 Watts Sodium Vapour Lamp	Each	504.00	
6	<b>MINIATURE CIRCUIT BREAKERS 240 V / 415V 50HZ - AC SUPPLY SUITABLE FOR BOTH LIGHTING AND MOTOR CIRCUITS</b>			<b>Legrand/ Hager / Equivalent</b>	<b>All other makes with ISI (Std.) / HPL / Havell's / Equivalent)</b>
	a	Single Pole 6A to 32A, 10KA	Each	206.00	150.00
	b	Single Pole 40A, 10KA	Each	420.00	314.00
	c	Single Pole & Neutral 6A to 32A, 10KA	Each	599.00	454.00
	d	Single Pole & Neutral 40A, 10KA	Each	972.00	629.00
	e	Double Pole 6A to 32A, 10KA	Each	599.00	499.00
	f	Double Pole 40A, 10KA	Each	972.00	683.00
	g	Triple Pole 6A to 32A,10KA	Each	964.00	752.00
	h	Triple Pole 63A,10KA	Each	1470.00	1200.00
	I	Triple Pole & Neutral 6A to 32A,10KA	Each	1270.00	980.00
	j	Triple Pole & Neutral 63A, 10KA	Each	1900.00	1510.00
	k	Four Pole 6 A to 32A, 10KA	Each	1270.00	1050.00
	l	Four Pole 63A, 10KA	Each	1900.00	1610.00
7	<b>PLUG AND SOCKETS IN SHEET STEEL ENCLOSURE WITHOUT MCBs</b>			<b>Legrand (MDS) / Hager (L&amp;T) / Equivalent</b>	<b>All other makes with ISI (Std.) / HPL / Havell's / Equivalent)</b>
	a	10A Single Pole	Each	993.00	591.00
	b	20A Single Pole	Each	1060.00	596.00

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	c	20A Double Pole	Each	1150.00	--
	d	20A Triple Pole	Each	1950.00	1130.00
	e	32A Triple Pole	Each	2320.00	1530.00
	f	63A Triple Pole	Each	9450.00	--
	8	<b>RCCB / ELCB</b>			
	a	10 Amps 30 MA DP	Each	2800.00	2060.00
	b	25 Amps 30 MA DP	Each	2310.00	1770.00
	c	40 Amps 30 MA DP	Each	2560.00	1870.00
	9	<b>RCCB / ELCB (FOUR POLE)</b>			
	a	25 Amps 30 MA	Each	3180.00	2180.00
	b	40 Amps 30 MA	Each	3220.00	2230.00
	c	63 Amps 30 MA	Each	3720.00	2530.00
	10	<b>HRC - FUSES</b>			
	a	16 Amps	Each	65.80	35.20
	b	32 Amps	Each	68.20	58.80
	c	63 Amps	Each	140.70	73.90
	d	125 Amps	Each	329.00	164.00
	e	160 Amps	Each	411.00	221.00
	f	200 Amps	Each	423.00	221.00
	g	250 Amps	Each	588.00	327.00
	11	<b>MCB ISOLATORS</b>		<b>Legrand (MDS) / Hager (L&amp;T) / Equivalent</b>	<b>All other makes with ISI (Std.) / HPL / Havell's / Equivalent)</b>
	a	32A - DP	Each	316.00	--
	b	32A - TP	Each	527.00	--
	c	32A - FP	Each	603.00	--
	d	40A - DP	Each	436.00	302.00
	e	40A - TP	Each	754.00	554.00
	f	40A - FP	Each	969.00	677.00

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	g	63A - DP	Each	584.00	383.00
	h	63A - TP	Each	877.00	603.00
	i	63A - FP	Each	1060.00	706.00
	j	100A - DP	Each	--	495.00
	k	100A - TP	Each	700.00	788.00
	l	100A - FP	Each	1120.00	861.00
	12	<b>HORIZONTAL THREE PHASE DISTRIBUTION BOARD WITH MCBS</b> 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 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.		<b>Legrand (MDS) / Hager (L&amp;T) / Equivalent</b>	<b>All other makes with ISI (Std.) / HPL / Havell's / Equivalent)</b>
	1	<b>Module Type with IP 20 Protection</b>			
	a	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	1950.00	1220.00
	b	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	2420.00	1540.00
	c	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	2880.00	1860.00
	d	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	4310.00	2550.00
	2	<b>TPMCB DB with Metal Door Cover with IP 42 Protection</b>			
	a	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	2650.00	2100.00
	b	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	3270.00	2660.00

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	c	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	3920.00	3260.00
	d	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	5790.00	4420.00
	3	<b>TPMCB DB with Acrylic Door Cover with IP42 Protection</b>			
	a	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	3090.00	--
	b	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	3790.00	--
	c	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	4520.00	--
	d	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	6890.00	--
	4	<b>Industrial Type TPMCB DB with IP 54 Protection</b>			
	a	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	7480.00	--
	b	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	9000.00	--
	c	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	9840.00	--
	d	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	13600.00	--

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	13	<b>VERTICAL THREE PHASE DISTRIBUTION BOARD WITH MCBS</b> 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 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.		Legrand (MDS) / Hager (L&T) / Equivalent	All other makes with ISI (Std.) / HPL / Havell's / Equivalent)
	1	<b>Module Type with IP 20 Protection</b>			
	a	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	5460.00	3970.00
	b	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	6750.00	5320.00
	c	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	9820.00	6470.00
	2	<b>TPMCB DB with Metal Door Cover with IP 42 Protection</b>			
	a	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	6340.00	5210.00
	b	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	8030.00	6410.00
	c	12 ways 3 phase DB No. of ways incomer MCB/Isolatore - 4 No. of ways incomer ELCB / RCD - 4 No. of outgoings ways - 36	Each	10700.00	7880.00
	3	<b>TPMCB DB with Acrylic Door Cover with IP42 Protection</b>			
	a	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	7650.00	--
	b	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	9740.00	--

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	c	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	12950.00	--
	4	<b>Industrial Type TPMCB DB with IP 54 Protection</b>			
	a	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	11830.00	--
	b	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	14280.00	--
	c	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	19170.00	--
	14	<b>7 SEGMENTS (3 TIER) 3 PHASE DISTRIBUTION BOARD WITH MCB</b> <b>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 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 (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>		<b>Legrand (MDS) / Hager (L&amp;T) / Equivalent</b>	<b>All other makes with ISI (Std.) / HPL / Havell's / Equivalent)</b>
	1	<b>Module Type with IP 20 Protection</b>			
	a	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	5890.00	--
	b	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	6320.00	--
	c	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	6710.00	--

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	d	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	7740.00	--
	2	<b>TPMCB DB with Metal / Acrylic Door Cover with IP 42 Protection</b>			
	a	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	6220.00	--
	b	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	7030.00	--
	c	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	7850.00	--
	d	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	9990.00	--
	15	<b>SINGLE PHASE DISTRIBUTION BOARD WITH MCBs</b> 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 outgoing 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>Legrand (MDS) / Hager (L&amp;T) / Equivalent</b>	<b>All other makes with ISI (Std.) / HPL / Havell's / Equivalent)</b>
	1	<b>Module Type with IP 20 Protection</b>			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 4	Each	719.00	390.00
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 8	Each	897.00	494.00

Item No.		Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 12	Each	1065.00	677.00
	2	<b>SPMCB DB with Metal Door Cover with IP 42 Protection</b>			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 4	Each	1045.00	683.00
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 8	Each	1305.00	933.00
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 12	Each	1570.00	1200.00
	3	<b>SPMCB DB with Acrylic Door Cover with IP 42 Protection</b>			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 4	Each	1230.00	--
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 8	Each	1450.00	--
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 12	Each	1760.00	--
	4	<b>Industrial Type SPMCB DB with IP 54 Protection</b>			
	a	4 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 4	Each	3140.00	--
	b	8 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 8	Each	3680.00	--
	c	12 ways single phase DB No. of ways incomer MCB / Isolator - 2 No. of ways incomer ELCB / RCD - 2 No. of outgoing ways - 12	Each	4240.00	--

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
	<b>NEW ITEMS</b>		
<b>XIII</b>	<b>PART "M"</b>		
1	<b>TRANSFORMERS</b>		<b>CREL / Rowsons / (OEM)</b>
a	100 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	382725.00
b	160 KVA, 11 KV /433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	478406.00
c	200 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	535815.00
d	250 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	631496.00
e	500 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	889835.00
f	1000 KVA, 11 KV / 433 V Outdoor Oil Cooled Transformer with off Circuit (As per IS 1180-Level 1)	Each	1291697.00
2	<b>11 KV INDOOR VACCUM CIRCUIT BREAKER</b>		<b>Megawin/Pentagon/ (OEM)</b>
a	11 KV, 25 KA, 630 A, HT Indoor Single Panel Vaccum Circuit Breaker (1 I/C + 2 O/G) complete as per specification	Each	479956.00
b	11 KV, 25 KA, 630 A, HT Indoor Three Panel Vaccum Circuit Breaker (1 I/C + 2 O/G) complete as per specification	Each	1220756.00
c	11 KV, 25 KA, 630 A, HT Indoor Four Panel Vaccum Circuit Breaker (1 I/C + 2 O/G) complete as per specification	Each	1732013.00
d	11 KV, 25 KA, 630 A, HT Indoor Five Panel Vaccum Circuit Breaker (1 I/C + 2 O/G) complete as per specification	Each	2076329.00
3	<b>11 KV OUTDOOR VACCUM CIRCUIT BREAKER</b>		<b>Megawin/Pentagon/ (OEM)</b>
a	11 KV, 25 KA, 630 A, HT Outdoor Single Panel Vaccum Circuit Breaker (1 I/C + 2O/G) complete as per specification	Each	500823.00
b	11 KV, 25 KA, 630 A, HT Outdoor Three Panel Vaccum Circuit Breaker (1 I/C + 2O/G) complete as per specification	Each	1252058.00
c	11 KV, 25 KA, 630 A, HT Outdoor Four Panel Vaccum Circuit Breaker (1 I/C + 2O/G) complete as per specification	Each	1752881.00

<b>Item No.</b>	<b>Details</b>	<b>Per</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
d	11 KV, 25 KA, 630 A, HT Outdoor Five Panel Vacuum Circuit Breaker (1 I/C + 20/G) complete as per specification	Each	2097196.00
4	<b>11 KV INDOOR RING MAIN GEAR (RMG)</b>		<b>Megawin / Voltech / (OEM)</b>
a	11 KV, 25 KA, 630 A, HT Indoor Three Panel Ring Main Gear complete as per specification	Each	699065.00
5	<b>11 KV OUTDOOR RING MAIN GEAR (RMG)</b>		<b>Megawin / Voltech / (OEM)</b>
a	11 KV, 25 KA, 630 A, HT Outdoor Three Panel Ring Main Gear complete as per specification	Each	730367.00
6	<b>HT CABLES</b>		<b>Polycab / Equivalent</b>
a	240 sq.mm. 3 core HT XLPE 11KV (E) SISMV11E3 x 2402797	Mtr	2025.00
b	300 sq.mm. 3 core HT XLPE 11KV (E) SISMV11E3 x 3002797	Mtr	2358.00
c	300 sq.mm. 3 core HT XLPE 11KV (UE) SISMV11U3 x 3002424	Mtr	2764.00
7	<b>CABLES, ACCESSORIES AND KITS</b>		<b>Raychem RPG / Equivalent</b>
a	120-185 sq.mm. 3 core HT Cable Indoor Terminations XLPE 11KV (E) - EPKT 3111	Each	11340.00
b	240-300 sq.mm. 3 core HT Cable Indoor Terminations XLPE 11KV (E) - EPKT 3121	Each	12097.00
c	120-185 sq.mm. 3 core HT Cable Outdoor Terminations XLPE 11KV (E) - EPKT 3362	Each	15675.00
d	240-300 sq.mm. 3 core HT Cable Outdoor Terminations XLPE 11KV (E) - EPKT 3372	Each	17626.00
e	240-400 sq.mm. 3 core HT Cable Indoor Terminations 11 KV (UE) - Belted PILC Cables - EPKT 4685	Each	15976.00
f	240-400 sq.mm. 3 core HT Cable Outdoor Terminations 11 KV (UE) - Belted PILC Cables - EPKT 4961	Each	21207.00
g	150-185 sq.mm. 3 core HT Cable Outdoor Terminations 22KV(E) Screened XLPE Cables - EPKT 5363	Each	22472.00
h	240-400 sq.mm. 3 core HT Cable Outdoor Terminations 22KV(E) Screened XLPE Cables-EPKT 5373	Each	29877.00
i	185-240 sq.mm 3 core HT Cables Straight Through Joints 22KV (E) Screened XLPE Cables-EPKJ 5118	Each	58950.00

Item No.	Details		Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)	
	j	300-400 sq.mm. 3 core HT Cable Straight Thorough Joints 22KV (E) Screened XLPE Cables - EPKJ 5119	Each	65643.00	
<b>XIV</b>	<b>PART "N"</b>				
	1	<b>SUPPLY &amp; INSTALLATION OF AIR-CONDITIONER</b>		<b>3 Star Rated (Carrier / Voltas / Blue Star / Equivalent)</b>	<b>5 Star Rated (Carrier / Voltas / O General/ Equivalent)</b>
	a	1.5 TR Split Type AC Unit	Each	32000	42000
	b	2.0 TR Split Type AC Unit	Each	43000	58000
	2	<b>DUCTABLE UNITS</b>		<b>ETA (OEM)</b>	
	a	3.0 TR Ceiling Supsended Ductable Unit	Each	108900.00	
	b	5.0 TR Ceiling Supsended Ductable Unit	Each	188100.00	
	c	8.5 TR Ceiling Supsended Ductable Unit	Each	256300.00	
	d	11 TR Ceiling Supsended Ductable Unit	Each	331100.00	
	e	5.5 TR Floor Mounted Ductable Unit	Each	397850.00	
	f	8.5 TR Floor Mounted Ductable Unit	Each	410700.00	
	g	11 TR Floor Mounted Ductable Unit	Each	452500.00	
	h	17 TR Floor Mounted Ductable Unit	Each	642900.00	
	3	<b>GENERATORS</b>		<b>Kirloskar / Ashok Leyland / Equivalent</b>	
	a	5 KVA	Each	225000	
	b	7.5 KVA	Each	235000	
	c	10 KVA	Each	265000	
	d	15 KVA	Each	285000	
	e	20 KVA	Each	300000	
	f	30 KVA	Each	365000	
	g	35 KVA	Each	390000	
	h	40 KVA	Each	455000	
	i	45 KVA	Each	530000	
	j	62.5 KVA	Each	610000	
	k	82.5 KVA	Each	720000	

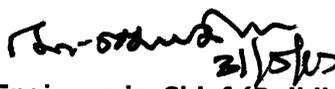
<b>Item No.</b>	<b>Details</b>	<b>Per</b>	<b>Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)</b>
	l 100 KVA	Each	800000
	m 125 KVA	Each	920000
	n 160 KVA	Each	1250000
	o 200 KVA	Each	1525000
	p 250 KVA	Each	1720000
4	<b>PASSENGER LIFTS (G+3) SS 304 Grade with 1m/sec. speed with ARD</b>		<b>Johnson / Kone / OTIS / Equivalent</b>
A	<b>8 Persons Passenger Lift Car Size (1300 x 1100)</b>		
a	Gearless Lift with Machine Room	Each	1659000.00
b	Gearless Lift without Machine Room	Each	1739000.00
B	<b>10 Persons Passenger Lift Car Size (1300 x 1350)</b>		<b>Johnson / Kone / OTIS / Equivalent</b>
a	Gearless Lift with Machine Room	Each	1735000.00
b	Gearless Lift without Machine Room	Each	1819000.00
C	<b>13 Persons Passenger Lift Car Size (2000 x 1100)</b>		<b>Johnson / Kone / OTIS / Equivalent</b>
a	Gearless Lift with Machine Room	Each	1930000.00
b	Gearless Lift without Machine Room	Each	2020000.00
D	<b>20 Persons Passenger Lift Car Size (2000 x 1500)</b>		<b>Johnson / Kone / OTIS / Equivalent</b>
a	Gearless Lift with Machine Room	Each	2400000.00
b	Gearless Lift without Machine Room	Each	2550000.00
	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		--
5	<b>BED-CUM-PASSENGER LIFTS (G+3) SS 304 Grade with 1m/sec. speed with ARD</b>		
A	<b>15 Persons Passenger Lift Car Size (1000 x 2400)</b>		<b>Kone / Equivalent</b>
a	Gearless Lift with Machine Room	Each	2050000.00
b	Gearless Lift without Machine Room	Each	2180000.00
B	<b>20 Persons Passenger Lift Car Size (1300 x 2400)</b>		
a	Gearless Lift with Machine Room	Each	2450000.00
b	Gearless Lift without Machine Room	Each	2550000.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
C	<b>26 Persons Passenger Lift Car Size (1600 x 2400)</b>		
a	Gearless Lift with Machine Room	Each	2550000.00
b	Gearless Lift without Machine Room	Each	2750000.00
	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>XV</b>	<b>PART "O"</b>		
1	<b>GI STEEL TUBULAR POLE FOR STREET LIGHT</b>		<b>Kumaran Pole / Oriental Pole / Equivalent</b>
a	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	7239.00
b	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	8238.00
c	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	8654.00
d	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	9653.00
e	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	11095.00
f	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	12205.00
g	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	12390.00
h	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	13684.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
i	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	12759.00
j	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	14053.00
k	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	13592.00
l	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	15256.00
m	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	13592.00
n	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	15256.00
o	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	18000.00
p	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	18500.00
q	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	21216.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
	r 10 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	23512.00
2	<b>LIGHTNING ROD</b>		<b>Jef Flash / Nimbus / Equivalent</b>
	a 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 ( $\Delta T_s$ ) 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 : L - Radius of protection : 86 Metres Level of protection considered for the Project-II level	Each	90000.00
	b 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	80000.00

Item No.	Details	Per	Rate approved for the year 2017-2018 (w.e.f. 01.06.2017)
c	<b>MOUNTING STRUCTURE</b>		
	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	24000.00
d	<b>DOWN CONDUCTOR</b>		
	Supply and run of 25mm x 6mm GI Flat Down Conductor with necessary clamps / supports on wall / floor / ground for earth connection	Mtr	140.00
e	<b>TEST LINK</b>		
	Supply of Test Link Box for each Down conductor in order to disconnect the earth termination system to enable measurement of resistance	Each	5900.00
f	<b>EARTH ELECTRODE</b>		
	Supply and installation 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	10900.00
g	<b>SURDGE PROTECTION</b>		
	Supply and installation Cabinet Type Class 1 and 2 Combined Model SPD to arrest surges and overvoltages in the power line due to lightning switching action etc. they must be installed in the incoming MCC panel / DB of the respective building in parallel to the power circuit. Model: PSV4-12.5/400TT (3 phase power network)	Each	22900.00

  
 21/5/17  
 Engineer-in-Chief (Buildings),  
 Chief Engineer (Buildings), Chennai Region &  
 Chief Engineer (General), PWD, Chennai-5

JBN  
 31/5/17