



**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

Er. R. Jayasingh
31/5/17
**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.

Copy to Stock File

Spare copy - 1 No.



**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 / 2017-2, 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.



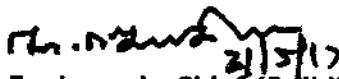
The cost of **STEEL** approved by the Schedule of Rates Committee for adoption in the preparation of estimates during the year 2017-2018 **with effect from 01.06.2017** is given below:

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.

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.

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

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



**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 / 2017-3, 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.

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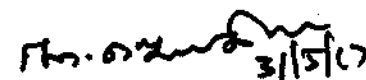
The cost of **CEMENT** approved by the Schedule of Rates Committee for adoption in the preparation of estimates during the year 2017-2018 **with effect from 01.06.2017** is given below:

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.


31/5/17
**Engineer-in-Chief (Buildings),
Chief Engineer (Buildings), Chennai Region &
Chief Engineer (General), PWD**

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.
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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.

M. N. S. S.
31/5/17

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

dy
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% |
| 3 | Restricted Areas | | | | | |
| 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% |
| 4 | Hills | | | | | |
| 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% |
| 5 | Islands | | | | | |
| i | For works at Rameswaram Island in Ramanathapuram District | 25% | - | 25% | - | 25% |
| ii | For works in other Islands, viz. Upputhannie, Puleevilaichalli, Alaiappar, Valimunai, Appa, Thalaiyari, Valai, Mullai, Manoli, Minidiputti, Nadu, Nallathannie, Pullivasal, Poomarichan, Muyal, Singala, Kuruseedar Islands in Ramanathapuram District | 125% | 125% | 125% | 125% | 125% |

| 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% |
| 6 | Tunnels | | | | | |
| i | Where human labour alone is involved | 15% | - | 15% | - | - |
| 7 | Dam sites under hanging condition | | | | | |
| 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**

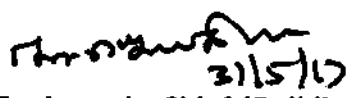
ANNEXURE-I
RATES OF LABOUR

| Sl. No. | Sch. Item No. | Description of Labour | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|----------------------|--|-------------|---|
| 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 |

| Sl. No. | Sch. Item No. | Description of Labour | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|----------------------|---|-------------|---|
| 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 |

| Sl. No. | Sch. Item No. | Description of Labour | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|---------|---------------|---|------|--|
| 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 |
| | | Technical Assistant | | |
| 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 |
| | | Electrical Workers | | |
| 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 |


 3/15/17
**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) |
|---------|---------------|---|-----------|--|
| | | A. BRICKS AND TILE PRODUCTS | | |
| | 1 | Second Class Table Moulded Chamber Burnt Bricks | | |
| 1 | a | 9" x 4 ¹ / ₂ " x 3" | 1000 Nos. | 7190.00 |
| 2 | b | 9" x 4 ³ / ₈ " x 2 ³ / ₄ " | 1000 Nos. | 6910.00 |
| | 2 | Second Class Ground Moulded Chamber Burnt Bricks | | |
| 3 | a | 9" x 4 ¹ / ₂ " x 3" | 1000 Nos. | 6190.00 |
| 4 | b | 9" x 4 ³ / ₈ " x 2 ³ / ₄ " | 1000 Nos. | 6015.00 |
| | 3 | Third Class Country Brick Kiln Burnt | | |
| 5 | a | 8 ³ / ₄ " x 4 ¹ / ₄ " x 2 ³ / ₄ " | 1000 Nos. | 5205.00 |
| 6 | b | 8 ³ / ₄ " x 4 ¹ / ₄ " x 2 ¹ / ₄ " | 1000 Nos. | 4095.00 |
| 7 | c | 8 ³ / ₄ " x 4 ¹ / ₄ " 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 ³ / ₄ " x 4 ¹ / ₄ " 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. STONE AND ROAD MATERIALS | | |
| 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 |

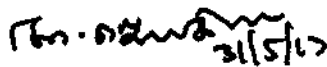
| Sl. No. | Sch. Item No. | Description of Materials | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|---------|---------------|--|------|--|
| 45 | 34 | Cut Stone Fully Dressed to size on all faces | cum. | 5900.00 |
| 46 | 35 | Cut Stone Roughly Dressed | cum. | 4060.00 |
| 47 | 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 | Hard Broken Granite Stone Jelly (I.S.S.) Machine crushed / Hand broken | | |
| 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 | Soft Broken Stone | | |
| 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 |
| | | C. Lime | | |
| 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 |
| | | D. Timber and Roofing Materials | | |
| 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 | Teak Wood Reepers | | |
| 118 | i | TW Reepers 50 x 25mm | RM | 83.10 |
| 119 | ii | TW Reepers 50 x 12mm | RM | 67.50 |
| | 77 | Country Wood Scantling | | |
| 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 | Country Wood Planks | | |
| 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 | Country Wood Reepers | | |
| 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 | Casurina Poles | | |
| 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 | Eucalyptus Poles | | |
| 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 |
| | | E. Metal and Iron Items | | |
| 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) |
|---------|---------------|--|------|--|
| | | A. Clearing the Site | | |
| 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. Dismantling | | |
| | | 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 |
| | | C. Quarrying and Blasting | | |
| 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 |
| | | D. Earth Work | | |
| 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, murrum, 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) |
|---------|---------------|---|------|--|
| | | E. Open Well Excavation | | |
| 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) |
|---------|---------------|--|------|--|
| | | F. Rate for Earth Work Deploying Machinery | | |
| 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 |
| | | G. LIFT CHARGES - Concrete - Brick or Stone Masonry - Above or Below Ground Level | | |
| | A | Concrete - Above Ground Level | | |
| 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 preceding floor | cum. | 128.70 |
| | B | Brick or Stone Masonry - Above GL | | |
| 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 preceding floor | cum. | 86.70 |
| | | STATEMENT II | | |
| | A | Concrete - Below Ground Level | | |
| 96 | 1 | Add the basic rate for works 1.50m depth and upto 4.5m depth below ground level | cum. | 64.40 |

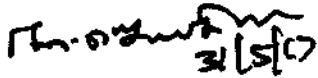
| Sl. No. | Sch. Item No. | Description of Works | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|---------|---------------|---|------|--|
| 97 | 2 | Add the basic rate for works 4.50m depth and upto 9m depth below ground level | cum. | 129.10 |
| 98 | 3 | Add extra over the above item 2 for every additional 4.50m depth beyond 9.0m depth below ground level | cum. | 129.10 |
| | B | Brick or Stone Masonry - Below GL | | |
| 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 |
| | | H. Concrete Vibrators | | |
| 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 |
| | | I. Plastering | | |
| 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 |
| | | J. White Washing, Colour Washing & Distempering | | |
| 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 |
| | | K. Painting, Wood Oiling, Tarring, Varnishing, Bee's Waxing Etc., | | |
| 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 |
| | | L. Miscellaneous | | |
| 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 |
| | | M. River Conservancy of Korambu Works | | |
| 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 |
| | | N. Cutting and Threading of GI Pipe | | |
| 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 |
| | | O. Labour Wrought and Put-up for Doors, Windows & Ventilators | | |
| 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 |
| | | NEW ITEM | | |
| 159 | | Labour charges for fixing aluminium doors, windows and ventilators | sqm. | 400.00 |
| | | P. Breaking Metals | | |
| 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 |
| | | Q. Cement Mortar | | |
| 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 |
| | | R. Metal and Iron Works | | |
| 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 | Add extra for every 1m height or part thereof for more than 2m lift |
| 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:

- Fraction of 100 metres to be rounded off to the nearest 100 metres
- 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]
- 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 |
| 1 | Co-efficient | 1.00 | 1.10 | 1.60 | 1.35 | 1.80 | 2.25 |
| 2 | Add for every extra 1 Km and part thereof..... | | | | | | |
| 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.) |
|---------|--|----------------------|--|--|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Co-efficient | 1.00 | 1.10 | 1.60 | 1.35 | 1.80 | 2.25 |
| 2 | Add for every extra 1 Km and part thereof..... | | | | | | |
| 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
 17/5/17

**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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|-------------|---|
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|-------------|---|
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|--|-------------|---|
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|--|-------------|---|
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|-------------|---|
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|-------------|---|
| 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 ² area) | sqm. | 2470.00 |
| b | Gear operated type (from 8 m ² to 12 m ² area) | sqm. | 2750.00 |
| c | Electrically operated type (exceeding 12m ² area) | sqm. | 2990.00 |
| B | ROLLING GRILLS (WITH ISI MONOGRAM) | | |
| a | Manually operated (up to 8 m ² area) | sqm. | 2520.00 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|--------------|---|
| b | Gear operated (from 8 m ² to 12 m ² area) | sqm. | 2830.00 |
| c | Electrically operated (exceeding 12m ² 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 | G.I. Pipes "B" Class | | |
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|-------------------------|-------------|---|
| 119 | G.I.Specials | | |
| A | Union | | |
| 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 | G.I. Elbow | | |
| 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 | G.I. Bend | | |
| 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 | G.I. TEE | | |
| 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 | G.I. COUPLING | | |
| i | 50mm Dia | Each | 74.20 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---------------------------|-------------|---|
| 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 |
| F | G.I. REDUCER | | |
| 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 |
| G | G.I. REDUCER ELBOW | | |
| 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 |
| H | G.I. REDUCER TEE | | |
| 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 |
| I | G.I. HEX NIPPLE | | |
| 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 | Gun Metal Gate Valve (Heavy Duty) | | |
| 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 |
| | Note: 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 | Gun Metal Wheel Valve (Heavy Duty) | | |
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|-------------|---|
| 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 | Cast Iron Nahini / Floor Trap with stainless Steel Grating | | |
| i | 100mm x 75mm | Each | 282.00 |
| ii | 75mm x 50mm | Each | 221.00 |
| 144 | PVC Nahini / Floor Trap with PVC Grating | | |
| i | 100mm x 75mm | Each | 156.00 |
| ii | 75mm x 50mm | Each | 136.60 |
| 145 | First Quality cast Iron pipe | | |
| 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 | First Quality cast Iron Specials | | |
| A | Plain Bend | | |
| i | 150mm Dia | Each | 555.00 |
| ii | 100mm Dia | Each | 271.00 |
| iii | 75mm Dia | Each | 209.00 |

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

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|---|------------------|---|
| 147 | Stone Ware Pipe | | |
| i | 150mm Dia | Each (0.6.RM) | 98.40 |
| ii | 100mm Dia | Each (0.6.RM) | 61.20 |
| 148 | Stone Ware Specials | | |
| A | Stone Ware TEE | | |
| i | 150mm Dia | Each | 160.00 |
| ii | 100mm Dia | Each | 123.40 |
| B | Stone Ware Bend | | |
| i | 150mm Dia | Each | 135.60 |
| ii | 100mm Dia | Each | 97.90 |
| C | Stone Ware "Y" Junction | | |
| 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 |

| Sl. No. | Name of Material | Unit | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|----------------|--|-------------|---|
| 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 |
| | NEW ITEMS | | |
| 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>Floor Fitting</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>Wall Fitting</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 | Vertical Blinds | | |
| 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 ² | 6 kg. per cm ² | 10 kg. per cm ² |
| WATER SUPPLY AND SANITARY ARRANGEMENTS | | | | | |
| 199 | PVC ITEMS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM) | | | | |
| 1 | PVC Pipes | | | | |
| 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 | -- |
| Note | (1) For Rainwater down fall pipe works, only PVC Pipe of working Pressure of 4 kg. per sq.cm. shall be adopted. | | | | |
| | (2) For Sanitary arrangement items of works, only PVC Pipe of working Pressure of 6 kg. per sq.cm. shall be adopted. | | | | |
| | (3) For Water Supply arrangement items of works, only PVC Pipe of working Pressure of 10 kg. per sq.cm. shall be adopted. | | | | |
| 200 | PVC Specials for water supply arrangements | | | | |
| A | Coupler | | | | |
| 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 | Elbow | | | | |
| 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 ² | 6 kg. per cm ² | 10 kg. per cm ² |
| 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 |
| C | Bend | | | | |
| 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 |
| D | Tee | | | | |
| 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 |
| E | End Cap | | | | |
| 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 |
| F | Reducer | | | | |
| 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 ² | 6 kg. per cm ² | 10 kg. per cm ² |
| e | 50mm x 40mm | Each | -- | -- | 21.10 |
| G | Reducer Tee | | | | |
| 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 |
| H | Reducer Elbow | | | | |
| 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 |
| I | Jet Nipple | | | | |
| a | 25mm Dia | Each | -- | -- | 17.05 |
| b | 32mm Dia | Each | -- | -- | 22.35 |
| | NEW ITEMS | | | | |
| J | PVC Door Bend | | | | |
| 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 |
| K | PVC Door Tee | | | | |
| 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 |
| 201 | PVC SPECIALS FOR SANITARY ARRANGEMENTS FINOLEX (OR) EQUIVALENT (WITH ISI MONOGRAM) | | | |
| A | Elbow | | | |
| 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 | Door Elbow | | | |
| 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 |
| C | Tee | | | |
| 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 |
| D | Tee with Door (Single) | | | |
| 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 |
| E | Tee with Door (Double) | | | |
| 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 |
| F | Bend | | | |
| 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 |
| G | "Y" | | | |
| 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 |
| H | "Y" with Door (single) | | | |
| 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 |
| I | "Y" with Door (Double) | | | |
| 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 |
| J | Double Tee with Door (Single) | | | |
| 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 |
| K | Double "Y" with Door (single) | | | |
| 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 |
| L | Reducer | | | |
| 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 |
| M | Shoe | | | |
| a | 110mm dia | Each | -- | 79.30 |
| b | 160mm dia | Each | -- | 118.90 |
| N | Vent Cowl | | | |
| a | 50mm dia | Each | -- | 32.70 |
| b | 75mm dia | Each | -- | 52.90 |
| c | 110mm dia | Each | -- | 79.30 |
| 202 | PVC AND HDPE PIPES FOR BORE WELLS | | | |
| A | Special Blue Pipes for Bore Well | | | |
| 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 | Special Blue Slotted Pipes for Bore Wells | | | |
| a | 110mm dia | RM | -- | 330.00 |
| b | 125mm dia | RM | -- | 376.00 |
| c | 140mm dia | RM | -- | 436.00 |
| d | 160mm dia | RM | -- | 529.00 |
| C | End Cap for Bore Well | | | |
| a | 110mm dia | Each | -- | 98.90 |
| b | 125mm dia | Each | -- | 105.80 |
| c | 140mm dia | Each | -- | 119.20 |
| d | 160mm dia | Each | -- | 132.00 |
| D | HDPE PIPES FOR SUB-MERSIBLE PUMP IN BORE WELL Class-5 (1 MPa or 10 kg./cm2 pressure) | | | |
| 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 |
| | OTHER ITEMS : | | | |
| 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 |
| 206 | PVC low level flushing tank with all internal fittings (wall mounting type) | | | |
| 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 |
| | NEW ITEMS | | | |
| 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.

| Item No. | Details | Per | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|-----------------|---|------------|---|
| | RATES FOR MATERIALS: ELECTRICAL LAMPS, FITTINGS AND CONNECTED ACCESSORIES. | | |
| I | PART "A" | | |
| 1 | INCANDESCENT BULBS 230V/250V GRADE BC/ES WITH ISI | | |
| 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 | INCANDESCENT BULB 230V/250V GRADE B.C/E.S | | |
| a | Colour 15 Watts | Each | 13.70 |
| b | Blended Lamp 160 Watts | Each | 271.00 |
| 3 | PLLAMP (PHILIPS / OSRAM / EQUIVALENT) | | |
| 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 | FLUORESCENT TUBULAR LAMPS WITH ISI MARK | | |
| 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 | MERCURY VAPOUR DISCHARGE LAMP 230V GRADE 3 PIN BC | | |
| 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 | BOX TYPE SINGLE FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR COMPLETE WITH ISI MARK | | |
| 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 | BOX TYPE TWIN FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR (HPF) COMPLETE WITH ISI MARK | | |
| a | 4 Ft. 40 Watts | Each | 676.00 |
| b | 4 Ft. 40 Watts with Ballast (Philips / Crompton / Equivalent) | Each | 882.00 |
| 8 | INDUSTRIAL TYPE FLUORESCENT FITTING STOVE ENAMELLED WITH COPPER CHOKE AND CONDENSOR (HPF) 4' 40 W | | |
| a | Single type suitable for 1 No. Tube | Each | 994.00 |
| b | Twin type suitable for 2 Nos. Tube | Each | 1224.00 |
| 9 | DECORATIVE AND SINGLE FLUORESCENT TYPE FITTING WITH COPPER CHOKE & CONDENSOR (HPF) COMPLETE SUITABLE FOR ONE NUMBER FLUORESCENT TUBE WITH ISI MARK | | |
| a | 4 Ft. 40 Watts with Perspex | | Deleted |
| 10 | DECORATIVE TWIN FLUORESCENT TYPE FITTING WITH COPPER CHOKE & CONDENSOR COMPLETE SUITABLE FOR 2 Nos. FLUORESCENT TUBES | | |
| 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 | SINGLE TYPE STREET LIGHT FLUORESCENT FITTING SUITABLE FOR THE ONE No. FLUORESCENT TUBE WITH COPPER CHOKE & CONDENSOR COMPLETE | | |
| a | 4 Ft. 40 Watts Type | Each | 754.00 |
| 12 | TWIN TYPE STREET LIGHTS FLUORESCENT FITTING SUITABLE FOR 2 Nos. FLUORESCENT TUBES WITH COPPER CHOKE & CONDENSOR COMPLETE | | |
| 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 | POST TOP LANTERN FITTING OF (INTEGRAL TYPE WITH COPPER CHOKE & CONDENSOR & NECESSARY ACCESSORIES (PHILIPS / CROMPTON GREAVES / WIPRO / EQUIVALENT) (SPHERICAL / RIBBED / CONICAL ACRYLIC COVER) | | | |
| 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 | |
| | NEW ITEMS | | | |
| 14 | CFL STREET LIGHT FITTINGS (COMPACT FLOURESCENT LAMP) | | Higher End Havells / Crompton / Equivalent | Lower End Orbit/ Inventa / Equivalent |
| 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 |
| 15 | LED INDOOR FITTINGS (LIGHT EMITTING DIODE) | | Higher End Philips / Havells / Equivalent | Lower End Orbit / Equivalent |
| 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 |
| 16 | LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE) | | Higher End Philips / Havells / Equivalent | |
| 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 | |
| 17 | LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE) | | Lower End Orbit / Equivalent | |
| 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 | |
| 18 | STARTERS FOR FLUORESCENT TUBES | | | |
| a | Starters of capacity 20 Watts | Each | 11.20 | |
| b | Starters of capacity 40 Watts | Each | 11.20 | |
| 19 | POLYSTER FILLED COPPER CHOKE 250V / 50HZ GRADE SUITABLE FOR (PHILIPS / CROMPTON / WIPRO / EQUIVALENT) | | | |
| 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 | |
| 20 | CONDENSOR FOR SV / MV LAMP | | | |
| 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 |
| | (For Items 6 to 14, 24 & 25 the rates are exclusive of cost of Tubes and Lamps) | | |
| 25 | Fan Clamp (Dia 12mm) with 6mm MS Side Plates & 45cm Cross Arm | Each | 134.00 |
| 26 | CALL BELLS | | |
| 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 | WATER HEATER WITH ISI MARK (VENUS / RACOLD / EQUIVALENT) | | |
| 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 |
| II | PART "B" | | |
| 1 | FANS - CONFORMING TO ISS 374 / 1979 | | |
| 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 | EXHAUST FANS | | |
| 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 | LOUVER SHUTTERS ARRANGEMENTS | | |
| 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) | |
|------------|------------------|---|-------|--|---------------------------------------|
| | NEW ITEMS | | | | |
| | 4 | CEILING FAN | | Higher End Havells / Crompton / Usha / Equivalent | Lower End Almonard/ Equivalent |
| | a | 48" Ceiling Fan 5 Star Rates | Each | 1710 | 1520 |
| | b | 48" Ceiling Fan Crompton High Speed | Each | 1700 | 1500 |
| | 5 | DIMMER AND REGULATOR | | | |
| | a | Fan Step Regulator 100W - 1 Module | Each | 398.00 | 286.00 |
| | b | Fan Step Regulator 100W - 2 Module | Each | 454.00 | 327.00 |
| III | PART "C" | | | | |
| | 1 | SWITCHES | | | |
| | a | 5 Amps (Flush Type) | Dozen | 207.00 | |
| | b | 5 Amps (Flush Type Staircase) | Dozen | 258.00 | |
| | 2 | DOUBLE POLE SWITCHES (GEM / HPL / HAVELLS / EQUIVALENT) | | | |
| | 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 | |
| | 3 | TRIPLE POLE SWITCHES (SIDE HANDLE) (STANDARD / HPL / HAVELLS / EQUIVALENT) | | | |
| | 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 | SWITCH DISCONNECTOR FUSE UNITS IN SHEET STEEL ENCLOSURE (SDF) (L & T / SIEMENS / EQUIVALENT) | | |
| 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 | SWITCH DISCONNECTOR FUSE UNITS IN OPEN EXECUTION (INTERIOR FOR CUBICAL) (L & T / SIEMENS / EQUIVALENT) | | |
| 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) |
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| g | 400A TPN Switch Disconnecter Fuse Units interior only with HRC Fuses Double Break | Each | 17200.00 |
| 6 | FUSE UNITS (ANCHOR / EQUIVALENT) | | |
| 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 | SINGLE PHASE DBS (GEM / EQUIVALENT) | | |
| 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 | THREE PHASE DBS (GEM / EQUIVALENT) | | |
| 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 | CHANGE OVER SWITCHES GEM / HAVELL'S / HPL / STANDARD / EQUIVALENT) | | |
| 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) | |
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| | NEW ITEMS | | | | |
| 10 | MODULAR SWITCHES | | | Higher End Crabtree / legrand / Hager / Equivalent | Lower End Orbit / Oswin / ROMA / Equivalent |
| 1 | Switches 6A - 230V | | | | |
| 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 | Switches 16A - 230V | | | | |
| 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 | Switches 20A - 230V | | | | |
| 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 | Switches 25A - 230V | | | | |
| a | 25A SP 1W Switch with Indicator - 1 Module | | Each | 195.00 | 140.00 |
| 5 | Switches 32A - 230V | | | | |
| a | 32A DP Switch with Indicator - 2 Module | | Each | 379.00 | 274.00 |
| 11 | PUSH BUTTONS | | | | |
| 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 |

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| e | 6A Bell Push - 2 Module | Each | 160.00 | 115.00 |
| f | 6A Bell Push with Indicator - 2 Module | Each | 188.00 | 135.00 |
| 12 | MOTOR STARTER | | | |
| a | 25A Motor Starter - 2 Module | Each | 351.00 | 253.00 |
| 13 | FLUSH MOUNTING BOXES (GI) | | | |
| 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 |
| 14 | SURFACE MOUNTING BOXES (PLASTIC) | | | |
| 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 |
| 15 | COMBINED PLATES (PLASTIC) | | | |
| 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 |
| | 16 | COMBINED PLATES (ALUMINIUM) | | | |
| | 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 |
| IV | | PART "D" | | | |
| | 1 | PLUG AND SOCKETS | | | |
| | 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 | |
| | | NEW ITEMS | | | |
| | 2 | SOCKET - 230V | | Higher End Crabtree / legrand / Hager / Equivalent | Lower End Orbit / Oswin / ROMA / Equivalent |
| | 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 |

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| 3 | SINGLE PHASE WATT HOUR METERS (HPL / EQUIVALENT) | | |
| 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 | THREE PHASE WATT HOUR METERS (ANCHOR / EQUIVALENT) | | |
| 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 |
| V | PART "E" | | |
| 1 | SERVICE CONNECTION ACCESSORIES L.T. 1100V PVC ALUMINIUM ARMoured UNDER GROUND CABLE WITH ISI MARK | | |
| 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 ¹ / ₂ core 25 sq.mm. PVC Armoured UG Cable | Metre | 224.30 |
| f | 3 ¹ / ₂ core 35 sq.mm. PVC Armoured UG Cable | Metre | 264.00 |
| g | 3 ¹ / ₂ core 50 sq.mm. PVC Armoured UG Cable | Metre | 344.00 |
| h | 3 ¹ / ₂ core 70 sq.mm. PVC Armoured UG Cable | Metre | 441.00 |
| i | 3 ¹ / ₂ core 95 sq.mm. PVC Armoured UG Cable | Metre | 571.00 |
| j | 3 ¹ / ₂ core 120 sq.mm. PVC Armoured UG Cable | Metre | 698.00 |
| k | 3 ¹ / ₂ core 150 sq.mm. PVC Armoured UG Cable | Metre | 826.00 |
| l | 3 ¹ / ₂ core 185 sq.mm. PVC Armoured UG Cable | Metre | 1010.00 |
| m | 3 ¹ / ₂ core 240 sq.mm. PVC Armoured UG Cable | Metre | 1280.00 |
| n | 3 ¹ / ₂ core 300 sq.mm. PVC Armoured UG Cable | Metre | 1570.00 |

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| o | 3 ¹ / ₂ 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 | PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS:694/1990 | | |
| 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 | CONDUCTOR | | |
| 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 | CABLE GLANDS | | |
| 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 ¹ / ₂ core 25 sq.mm. UG Cable | Each | 51.80 |
| g | Cable Gland suitable for 3 ¹ / ₂ core 35 sq.mm. UG Cable | Each | 65.80 |
| h | Cable Gland suitable for 3 ¹ / ₂ core 50 sq.mm. UG Cable | Each | 65.80 |
| I | Cable Gland suitable for 3 ¹ / ₂ core 70 sq.mm. UG Cable | Each | 81.10 |
| j | Cable Gland suitable for 3 ¹ / ₂ core 95 sq.mm. UG Cable | Each | 98.90 |
| k | Cable Gland suitable for 3 ¹ / ₂ core 120 sq.mm. UG Cable | Each | 125.90 |

| Item No. | Details | Per | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|-----------------|--|------------|---|
| l | Cable Gland suitable for 3 ¹ / ₂ core 150 sq.mm. UG Cable | Each | 165.70 |
| m | Cable Gland suitable for 3 ¹ / ₂ core 185 sq.mm. UG Cable | Each | 196.00 |
| n | Cable Gland suitable for 3 ¹ / ₂ core 240 sq.mm. UG Cable | Each | 196.00 |
| o | Cable Gland suitable for 3 ¹ / ₂ core 300 sq.mm. UG Cable | Each | 234.00 |
| p | Cable Gland suitable for 3 ¹ / ₂ core 400 sq.mm. UG Cable | Each | 334.00 |
| q | Cable Gland suitable for 3 ¹ / ₂ 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 | FUSE WIRE (COPPER) | | |
| 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 | NEUTRAL LINK 15 AMPS | | |
| 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 |
| VI | PART "F" | | |
| 1 | MS BOX WITH PAINTING (16 SWG) | | |
| 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 |
| VII | PART "G" | | |
| 1 | MS ANGLES | | |
| a | 1 ¹ / ₂ "x1 ¹ / ₂ "x ¹ / ₄ " (37.5 x 37.5 x 6.24mm) (1M=3.25 kg) | KG | 51.40 |
| b | 1 ¹ / ₂ " x 1 ¹ / ₂ " x ¹ / ₂ " (37.5 x 37.5 x 12.5mm) | KG | 51.40 |
| c | 2" x 2" x ¹ / ₂ " (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 | ALUMINIUM FLAT | | |
| 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 | COPPER FLAT | | |
| 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 | POWER CAPACITOR | | |
| 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 |
| VIII | PART "H" | | |
| 1 | CONDUIT MATERIALS 16 GAUGE | | |
| 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 | CONDUIT TEE BENDS | | |
| 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 | CONDUIT BENDS - 16 GAUGE | | |
| 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 |

| Item No. | Details | Per | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
|-----------------|---|------------|---|
| e | Conduit Solid Bend 38mm (1½") | Dozen | 196.00 |
| f | Conduit Solid Bend 50mm (2") | Dozen | 240.00 |
| 4 | CONDUIT INSPECTION BEND-16 GAUGE | | |
| a | Conduit Inspection Bend 16mm (5/8") | Dozen | 89.00 |
| b | Conduit Inspection Bend 19mm (¾") | 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 |
| IX | PART "I" | | |
| 1 | PVC (RIGID) PIPES (1.8MM THICK) WITH ISI | | |
| a | PVC Rigid Pipe 16mm (5/8") | Metre | 14.40 |
| b | PVC Rigid Pipe 20mm (¾") | 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 | PVC RIGID BENDS | | |
| a | PVC Rigid Bend 16mm (5/8") | Each | 3.35 |
| b | PVC Rigid Bend 20mm (¾") | 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 | PVC COUPLES | | |
| a | PVC Couples 16mm (5/8") | Dozen | 14.40 |
| b | PVC Couples 19mm (¾") | Dozen | 14.40 |
| c | PVC Couples 25mm (1") | Dozen | 28.00 |
| d | PVC Couples 32mm (1¼") | Dozen | 63.90 |

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|-----------------|--|----------------|---|
| e | PVC Couples 38mm (1½") | Dozen | 137.00 |
| f | PVC Couples 50mm (2") | Dozen | 143.00 |
| 4 | PVC TEES | | |
| 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 | PVC SADDLES | | |
| 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 | PVC JUNCTION BOXES | | |
| 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 | PVC HYLEM SHEETS | | |
| a | Hylem Sheet 3mm Thick | Sq.m | 685.00 |
| 8 | INSULATION TAPE PVC | | |
| 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 |

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| X | PART "J" | | | | |
| | TEAK WOOD MATERIALS | | | | |
| | 1 | TW BOX CONCEALED TYPE | | | |
| | 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 ¹ / ₂ " x 1" x 2" | 1000 Nos. | 347.00 | |
| | f | TW Round blocks | 100 Nos. | 673.00 | |
| XI | PART "K" | | | | |
| | 1 | CRIMPING LUGS SUITABLE FOR THE FOLLOWING SIZES | | | |
| | | Size | | Aluminium | Copper |
| | 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 |

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| 2 | CABLE ROUTE INDICATOR | | |
| a | Cable Route Indicator for LT Cable | Each Box | 78.50 |
| b | Cable Route Indicator for HT Cable | Each Box | 78.50 |
| XII | PART "L" | | |
| 1 | BRASS SCREWS | | |
| 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 | CONDUIT SADDLES | | |
| 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 | SODIUM VAPOUR FITTINGS & LAMP (FOR EXTERNAL ELECTRIFICATION AND CAMPUS LIGHTING) | | |
| 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 |

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| 5 | SODIUM VAPOUR LAMP FITTING SINGLE PIECE DIE CAST ALUMINIUM HOUSING AND LAMP FOR HEAVY TRAFFIC ROADS (PHILIPS / CROMPTON GREAVES / WIPRO / BAJAJ / EQUIVALENT) | | | | |
| 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 | MINIATURE CIRCUIT BREAKERS 240 V / 415V 50HZ - AC SUPPLY SUITABLE FOR BOTH LIGHTING AND MOTOR CIRCUITS | | | Legrand/ Hager / Equivalent | All other makes with ISI (Std.) / HPL / Havell's / Equivalent) |
| 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 | PLUG AND SOCKETS IN SHEET STEEL ENCLOSURE WITHOUT MCBs | | | Legrand (MDS) / Hager (L&T) / Equivalent | All other makes with ISI (Std.) / HPL / Havell's / Equivalent) |
| a | 10A Single Pole | | Each | 993.00 | 591.00 |
| b | 20A Single Pole | | Each | 1060.00 | 596.00 |

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| | 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 | RCCB / ELCB | | | |
| | 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 | RCCB / ELCB (FOUR POLE) | | | |
| | 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 | HRC - FUSES | | | |
| | 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 | MCB ISOLATORS | | Legrand (MDS) / Hager (L&T) / Equivalent | All other makes with ISI (Std.) / HPL / Havell's / Equivalent) |
| | 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 |

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| | 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 | HORIZONTAL THREE PHASE DISTRIBUTION BOARD WITH MCBS 4 way / 6 way / 8 way / 12 way TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB 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. | | Legrand (MDS) / Hager (L&T) / Equivalent | All other makes with ISI (Std.) / HPL / Havell's / Equivalent) |
| | 1 | Module Type with IP 20 Protection | | | |
| | 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 | TPMCB DB with Metal Door Cover with IP 42 Protection | | | |
| | 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 |

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| | 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 | TPMCB DB with Acrylic Door Cover with IP42 Protection | | | |
| | 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 | Industrial Type TPMCB DB with IP 54 Protection | | | |
| | 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 | -- |

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| | 13 | VERTICAL THREE PHASE DISTRIBUTION BOARD WITH MCBS 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 | Module Type with IP 20 Protection | | | |
| | 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 | TPMCB DB with Metal Door Cover with IP 42 Protection | | | |
| | 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 | TPMCB DB with Acrylic Door Cover with IP42 Protection | | | |
| | 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 | -- |

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| | 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 | Industrial Type TPMCB DB with IP 54 Protection | | | |
| | 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 | 7 SEGMENTS (3 TIER) 3 PHASE DISTRIBUTION BOARD WITH MCB 4 way / 6 way / 8 way / 12 way TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB 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. | | Legrand (MDS) / Hager (L&T) / Equivalent | All other makes with ISI (Std.) / HPL / Havell's / Equivalent) |
| | 1 | Module Type with IP 20 Protection | | | |
| | 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 | -- |

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| | 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 | TPMCB DB with Metal / Acrylic Door Cover with IP 42 Protection | | | |
| | 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 | SINGLE PHASE DISTRIBUTION BOARD WITH MCBs 4 way / 8 way / 12 way vertical SPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single phase MCB 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. | | Legrand (MDS) / Hager (L&T) / Equivalent | All other makes with ISI (Std.) / HPL / Havell's / Equivalent) |
| | 1 | Module Type with IP 20 Protection | | | |
| | 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 |

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| | 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 | SPMCB DB with Metal Door Cover with IP 42 Protection | | | |
| | 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 | SPMCB DB with Acrylic Door Cover with IP 42 Protection | | | |
| | 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 | Industrial Type SPMCB DB with IP 54 Protection | | | |
| | 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 | -- |

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|-------------|--|------|--|
| | NEW ITEMS | | |
| XIII | PART "M" | | |
| 1 | TRANSFORMERS | | CREL / Rowsons / (OEM) |
| 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 | 11 KV INDOOR VACCUM CIRCUIT BREAKER | | Megawin/Pentagon/ (OEM) |
| 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 | 11 KV OUTDOOR VACCUM CIRCUIT BREAKER | | Megawin/Pentagon/ (OEM) |
| 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 |

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| | 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 | 11 KV INDOOR RING MAIN GEAR (RMG) | | Megawin / Voltech / (OEM) |
| | a 11 KV, 25 KA, 630 A, HT Indoor Three Panel Ring Main Gear complete as per specification | Each | 699065.00 |
| 5 | 11 KV OUTDOOR RING MAIN GEAR (RMG) | | Megawin / Voltech / (OEM) |
| | a 11 KV, 25 KA, 630 A, HT Outdoor Three Panel Ring Main Gear complete as per specification | Each | 730367.00 |
| 6 | HT CABLES | | Polycab / Equivalent |
| | 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 | CABLES, ACCESSORIES AND KITS | | Raychem RPG / Equivalent |
| | 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 |

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| | j | 300-400 sq.mm. 3 core HT Cable Straight Thorough Joints 22KV (E) Screened XLPE Cables - EPKJ 5119 | Each | 65643.00 | |
| XIV | PART "N" | | | | |
| | 1 | SUPPLY & INSTALLATION OF AIR-CONDITIONER | | 3 Star Rated (Carrier / Voltas / Blue Star / Equivalent) | 5 Star Rated (Carrier / Voltas / O General/ Equivalent) |
| | a | 1.5 TR Split Type AC Unit | Each | 32000 | 42000 |
| | b | 2.0 TR Split Type AC Unit | Each | 43000 | 58000 |
| | 2 | DUCTABLE UNITS | | ETA (OEM) | |
| | 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 | GENERATORS | | Kirloskar / Ashok Leyland / Equivalent | |
| | 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 | |

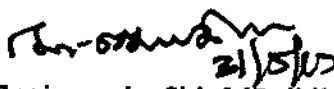
| Item No. | Details | Per | Rate approved for the year 2017-2018 (w.e.f. 01.06.2017) |
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| | l 100 KVA | Each | 800000 |
| | m 125 KVA | Each | 920000 |
| | n 160 KVA | Each | 1250000 |
| | o 200 KVA | Each | 1525000 |
| | p 250 KVA | Each | 1720000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


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| C | 26 Persons Passenger Lift Car Size (1600 x 2400) | | |
| 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 | | -- |
| XV | PART "O" | | |
| 1 | GI STEEL TUBULAR POLE FOR STREET LIGHT | | Kumaran Pole / Oriental Pole / Equivalent |
| 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 |

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| 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) |
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| | 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 | LIGHTNING ROD | | Jef Flash / Nimbus / Equivalent |
| | 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 (ΔT_s) obtained during the lab test for the offered model is 60 μs . 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 (ΔT_s) obtained during the lab test for the offered model is 60 μs . 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 |

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| c | MOUNTING STRUCTURE | | |
| | 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 | DOWN CONDUCTOR | | |
| | 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 | TEST LINK | | |
| | 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 | EARTH ELECTRODE | | |
| | 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 | SURDGE PROTECTION | | |
| | 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


 21/5/17