

Government of Andhra Pradesh

**COMMON SCHEDULE OF RATES
AS PER
A.P. REVISED STANDARD DATA
FOR THE YEAR 2015-16
(*Effective from 1st June, 2015*)**

BOARD OF CHIEF ENGINEERS

**Office of the Engineer-in-Chief(I.W)
Water Resources Dept., Errummanzil, Hyderabad**

Procs.No.ENC/IW/P&M/EE.1/DEE-2/AEE/ SoR 2015-16/Vol.3 dt:16.07.2015

- Sub:** Schedule of Rates for the year 2015-16 (as per A.P.Revised Standard Data)-Water Resources Dept. Works(Part-I),Road & Bridge Works(Part-2) and Drinking water supply schemes(Part-4)-approved-Printing& Communication of SoRs-Reg.
- Ref:**
- 1)G.O.Ms.No.49,I&CAD (PW:Reforms)Dept., dt:2.3.2009
 - 2)ENC(PH) Lr.No. 84/T4/A1/SoR 2015-16 dt:13.07.2015
 - 3)ENC(R&B) Lr.No.123236/BOCE/AEE-2/DEE-7/EE(TEC)/2015 dt:13.07.2015.
 - 4)Industrial Consumer Price Index points obtained from Commissioner,Labour Department
 - 5)Minutes of BOCEs meeting for Schedule of Rates held on 10.06.2015.
- ****

The Government have approved A.P.Revised Standard Data vide ref 1st cited. The Schedule of Rates as per A.P.Revised Standard Data for the year 2015-16 is approved based on the following:

The ENC(R&B) vide ref. 3rd cited has furnished the draft rates for Roads & Bridge items for the year 2015-16 as the Government have allowed to adopt MORTH data with current SoR vide G.O. Ms. No. 2, Transport, Roads and Buildings (R-I) Dept., dt: 12.01.2015.

The Engineer-in-Chief, Public Health Department has furnished draft rates for Public Health works items and Public Health Materials vide ref 2nd cited.

The Engineer-in-Chief (Buildings),R&B Department has yet to furnish the Part-III of Common SoR i.e., Buildings.

For Water Resources Department work items, the Superintending Engineers, Irrigation Circles of Chitttoor, Dowlaiswaram and Vijayawada in charge of Rayalaseema and Andhra regions respectively have submitted the draft basic rates of materials. The Superintending Engineer, Irrigation Circle, Guntur has furnished draft rates of Mechanical and Workshop items. Accordingly, the draft rates for Water Resources Department are prepared.

The labour wages are finalized based on market rates duly keeping in view of the minimum wages calculated from the index points obtained from the Commissioner, Labour Department vide ref 4th cited for finalizing the Labour rates for SoR 2015-16.

Based on the proposals, the draft Schedule of Rates for the year 2015-16 were reviewed and finalized in the annual Board of Chief Engineers meeting held on 10.06.2015 at 3.00 P.M. in the Godavari Conference hall, Jalasoudha Building, Hyderabad.

The procedure for the adoption of Water Resources work items, lead & lift charges (Common to all departments) is incorporated in the Annexure-A of SoR.

The approved basic rates are applicable to the datas as per A.P.Revised Standard Data approved by the Government vide G.O.1st cited.

The lead & lift charges are common to all Engineering Departments. The detailed calculations are incorporated in the Lead & lift chapter in the WR Works(Part-I) of A.P.Revised Standard Data.

The attention to the following points is invited in respect of A.P.SoR 2015-16.

1. Clarification on 1Km Lead Charges in data items pertaining to WR Dept.

During the meeting, the BoCEs has issued following clarification on 1Km lead charges in respect of basic work item rates specific to WR Dept:

Statement in the data: In the Standard Data, under guide lines against Lead Charges, in sub-para 2, it is stated that: "*The basic work item rates provided in the Standard Data & Schedule of rates include 50 m or 1 km as initial lead and no lead charges shall be allowed where the source of material is within the initial lead specified in item rate. Additional lead charges shall be allowed for the lead exceeding initial lead specified in the item rate*"

Misinterpretation of some of the field Engineers:

By above statement, it is learnt that some of the field engineers are misinterpreting the above statement as the basic material rates like Sand, Coarse Aggregates rates etc. are inclusive of 1 Km lead.

Clarification issued by BoCEs:

The BoCEs have clarified that the above statement intends for data items only but not for material rates and the approved material rates in Schedule of Rates are exclusive of lead charges.

2. Important Note on Cement Rates:

1. For arriving the unit rates in the present Standard Data of Water Resources Dept.,(Part-I) and for printing and publishing of Standard Data of Part-I, Cement rate for the month of May-2015 is adopted.
2. From the month of June-2015 onwards, the Sub-Committee for recommending the monthly Cement and Steel rates has recommended to adopt District-wise Cement rates for preparing estimates in line with the Govt. Memo no.1796/IP&INF/A1/2014 DT:30.05.2015.

Henceforth, all the Field Engineers are directed to substitute District-wise cement rates in the Basic Data sheet of soft copy for arriving estimates for works in respective districts.

No other items other than the items communicated by this Office shall be introduced in the SoR.

The Heads of Department and Officers mentioned below are authorized to print the Schedule of Rates for the year 2015-16. Unauthorized printing & selling of the SoR is strictly prohibited. The Schedule of Rates for 2015-16 will be in force until the new SoR comes in to force.

Any discrepancies found (or) corrections required in SoR 2015-16 may be brought to the notice of undersigned for issuing corrections.

The revised rates will come into force from 1st June of 2015.

The receipt of the proceedings may be acknowledged.

Encl: SoR 2015-16 containing Part-I(Water Resources Dept. works),Part-II(Roads & Bridge works) and Part-IV (Public Health Items)

Sd/-M.V.Ravi Kumar,dt:16.07.2015,
Engineer-in-Chief(I.W.)
Chairman, BOCE(SoR)

- I) Copy communicated to the Principal Secretary to Govt.,WR Dept.,J-Block,A.P.Secretariat Buildings,Hyderabad.
- II) Copy Communicated to the following Heads of Departments along with Enclosures for information.
 - 1) Engineer-in-Chief (Admn & SR),, Roads & Buildings Department.
 - 2) Engineer-in-Chief (P.H.), Public Health Department.
 - 3) Engineer-in-Chief (P.R.), Panchayath Raj Department.
 - 4) Chief Engineer (RWS) R W S, Department.
 - 5) Engineer-in-Chief (Buildings), R&B Department.
 - 6) Copy of Schedule of Rates 2015-16 & Standard data, part-1 (WR Dept. works) communicated to the respective E-mail ids of all the Engineers-in-Chief, Chief Engineers and Regional Superintending Engineers of Irrigation circles of Vijayawada, Guntur, Dowlaishwaram and Chittoor of Water Resources Department for taking necessary action

Sd/-M.V.Ravi Kumar,dt:16.07.2015,
Engineer-in-Chief(I.W.)
Chairman, BOCE(SoR)

Important – Read The following

ANNEXURE- A

- 1)** The SPIU(Irrigation), Centre for Good Governance (CGG), Hyderabad has developed software package linking the basic input data of Irrigation with approved data of Water Resources work items.
- 2)** The lead and lift charges are common to all Engineering Departments. The detailed calculations are incorporated in the Lead &Lift charges chapter in the Water Resources Department works (Part-1) of A.P. Revised standard data.

The Leads for Steel shall be from the nearest market place to the project area

- 3)** Further, the CGG has also developed estimate preparation package to use in the preparation of estimates duly making provision for incorporation of applicable lead & lift for different materials, Area allowances for labour, Dewatering charges and VAT as additional.
- 4)** For Gates & Hoist works, the excise duty on the fabrication of work (other than materials)shall be added as per the Government Orders issued from time to time while preparing the estimate.
- 5)** The estimate sanctioning authority shall physically verify each and every Water Resources work item data incorporated in the estimate with basic input data before sanction of the estimate. **Any lapses or arithmetic errors arising in the sanction of data's /estimate due to adoption of the software package lies entirely on the concerned estimate sanctioning authority only.**
- 6)** Any discrepancies / corrections required for improper basic input data appearing in the approved data's of Water Resources work items in the software package and hard copy of SoR & Standard data's (part-1) may be brought to the notice of undersigned for issuing corrections.

Sd/-M.V.Ravi Kumar,dt:16.07.2015,
Engineer-in-Chief(I.W.)
Chairman, BOCE(SoR).

PART-I

**(WATER RESOURCES
DEPARTMENT WORK ITEMS)**

PREAMBLE

PREAMBLE**I.o AREA ALLOWANCES:****A) CORPORATIONS & MUNICIPALITIES:**

- a) (i) 25% extra over the rates on labour component of works is allowed in all Municipal Corporation Limits of Andhra Pradesh except Greater Visakhapatnam and Vijayawada municipal corporations (up to a belt of 12 Kms. from Municipal Corporation limits) and other corporations as notified by the Government from time to time.
- (ii) 40% extra over the rates on labour component of works for Greater Visakhapatnam and Vijayawada Municipal Corporation (up to a belt of 12 Kms. from Municipal Corporation limits).
- b) Allow 20% extra over basic rates on labour component of works in all District Headquarters and the remaining Municipal limits (up to a belt of 12 Kms from Municipal limits).
- c) For works at Tirumala Hills in Chittoor District, 40% extra over the basic rates of labour component is allowed.
- d) For works at Horsely hills in Chittoor District, 30% extra over the basic rates of labour component is allowed.
- e) For works located inside Tirumala Temple, 20% extra over the basic rate of labour component specified for Tirumala Hills is allowed.
- f) For Works located inside T.T.D Temples of Sri Padmavathi Ammavari Temple, Tiruchanoor, Sri Govindaraja Swamy Temple at Tirupathi, Sri Kapleswara Swamy Temple, Kapilatheertham, Tirupathi and Sri Kalyana Venkateswara Swamy Temple, Srinivasa Mangapuram , 20% extra over the basic rates of labour component for Tirupathi Municipal Corporation is allowed.

B) JAIL COMPOUNDS:

20% extra is allowed over labour rates for the work in the Jail compounds. Only equivalent number of Man Mazdoor shall be provided in the Jail premises and no women Mazdoor are allowed inside.

C) INDUSTRIAL AREA:

- a. 20% over basic rates on labour component works allowed for works situated within 10Kms belt of Industrial area of, Ibrahimpatnam, Vuyyuru, Jaggalapeta in Krishna District, Macherla, Gurajala, Challapalli in Guntur District Garividhi in Vijayanagaram District, Renigunta in Chittoor District and Yerraguntla & Mangampet in Kadapa District, Hindupur, Tadipatri, Anantapur, Guntakal, Rayalcheruvu, Yadiki of Anantapur District and Adoni, Dhoni, Cement Nagar, Nandyal, Kurnool, Yemmiganur & Bethamcherla of Kurnool District, Anakapally of Vishakhapatnam District.

D) AGENCY / TRIBAL AREAS:

- a) 25% extra is allowed for the works located within the interior Agency / Tribal limits, i.e. for the works located within & upto 16 KMs from any all weather route inside Agency / Tribal.
- b) 40% extra is allowed for the works located within the interior Agency / Tribal limits, i.e. for the works located beyond 16 KMs from any all weather route inside Agency / Tribal.

- NOTE:**
1. No extra percentage is permissible in respect of Forest produce such as Bamboo, Rellu grass and for all materials obtained from outside the Agency / Tribal.
 2. The extra percentage under Agency / Tribal areas allowance may be allowed on the labour component and on the labour charges in the rates for conveyance of materials.
 3. The extra percentage on cost of materials in Agency / Tribal areas can be allowed on the labour component only, if they are manufactured in the Agency / Tribal areas itself except Forest produce.

E) GHAT ROADS:

For Ghat Roads steeper than 1 in 20, the length of the road may be taken as 1.5 times the existing length of the road for the purpose of leads only for conveyance of materials based on the certificate for the Ghat Road given by the Superintending Engineer concerned.

Foot Note: Under compelling circumstances, the concerned Chief Engineer can adopt the equivalent length of road as 2 1/2 times of actual length.

Note below area allowances:

If more than one area allowance (such as those) for (1) Municipalities (2) Agency / Tribal areas (3) Industrial areas are applicable for a particular situation, only the maximum out of the allowable percentages is to be allowed.

2.0 EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -**I) EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -****A. TRIAL TRENCHES:**

- 1) Trial trenches of not more than 2 metres in width...25% extra

B. TRIAL PITS:

| | | |
|-------------------------------|-----|------------|
| 1) Up to 2 Metres depth | ... | 25% extra |
| 2) 2 Metres to 4 Metres depth | ... | 50% extra |
| 3) 4 Metres to 6 Metres depth | ... | 75% extra |
| 4) 6 Metres to 8 Metres depth | ... | 100% extra |
| 5) 8 Metres to 9 Metres depth | ... | 150% extra |
| 6) More than 9 Metres depth | ... | 200% extra |

II) EXCAVATION IN RESTRICTED PLACES:-

- I) Foundation of Buildings ... 75% extra
- II) For pipe lines where the depth is less than 1.5 times the width ... 75% extra
- III) For pipe lines where the depth is 1.5 times or more than the width ... 120% extra
- IV) Silt removal in restricted areas such U. T's., Culverts and Syphons. ... 120% extra

V) Excavation of field channels ... Deleted

(The unit rate of Excavation of Field Channels is available in A.P.Revised Standard Data 2015-16 under IRR-CAW-1-2,IRR-CAW-1-4 etc.)

- VI) For narrow trenches not more than 2 meters in width and depth not less than twice the width and for excavation of road boundary drains, model sections of canals. ... 75% extra
- VII) High berm cutting of not more than 150 mm average thickness and sectioning for roads ... 50% extra

Note: 1) The extra percentage is allowed over Common item for all earth works (COM-MWRK-Manual Works) for corresponding soil and Standard data items. It includes the charges for all lifts and initial lead but does not include dewatering charges if any in respect of all the items under (A) and (B) above.

2) The above extra percentages in respect of excavation in hard rock for restricted places are to be allowed for (2/3) rd of the cost and shall not to be allowed in respect of items involving blasting component which may be taken as 1/3 of the cost.

3.0 SEIGNIORAGE CHARGES:

The rates of the materials indicated in the SOR are exclusive of Seigniorage Charges. Appropriate Seigniorage Charges for relevant materials are to be added to the Unit rate of work item in the estimates as fixed by the Government in G.O.Ms.No.198 (Industries and Commerce Dept.) dt:13.08.2009. In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted.

LABOUR RATES

LABOUR RATES

| SI No. | CATEGORY OF WORKER | S. Rate for 2015 |
|-----------------------------|---|-------------------------------------|
| 1 | 2 | 3 |
| I. SKILLED CATEGORY: | | |
| 1 | Bar bender | 490 |
| 2 | Black smith / Tin smith / Rivetor | 420 |
| 3 | Blaster | 480 |
| 4 | Carpenter Cl- I | 420 |
| 5 | Electrician (Licensed) | 480 |
| 6 | Fitter Cl- I | 420 |
| 7 | Floor Polisher / Tile Layer | 420 |
| 8 | Foreman | 480 |
| 9 | Gauge reader | 400 |
| 10 | Maistry / Work Inspector with Non-technical Qualification SSLC/SSC/HSC | 400 |
| 11 | Mason Cl- I / Brick layer Cl- I | 420 |
| 12 | Mechanic Cl- I | 420 |
| 13 | Operator Air compressor / DG set | 420 |
| 14 | Operator Batching plant | 480 |
| 15 | Operator Bus/Ambulance/ Lorry/ Tanker | 480 |
| 16 | Operator Concrete / Asphalt mixer | 420 |
| 17 | Operator Concrete / Asphalt paver | 420 |
| 18 | Operator Concrete pump / Placer/ ice plant | 420 |
| 19 | Operator Core drilling machine | 480 |
| 20 | Operator Crane/ Tower crane/ Cable way | 480 |
| 21 | Operator Drilling jumbo / Loco / Winch | 420 |
| 22 | Operator Grouting/ Guniting/ Shotcreting | 420 |
| 23 | Operator Jackhammer/Pneumatic tamper | 420 |
| 24 | Operator Pump / Ventilation fan | 420 |
| 25 | Operator Lathe/Drilling/Shearing machine | 480 |
| 26 | Operator Bending / Planing machine | 420 |
| 27 | Operator Road roller | 420 |

| SI No. | CATEGORY OF WORKER | S. Rate for 2015 |
|-----------------------------------|---|-------------------------------------|
| 1 | 2 | 3 |
| 28 | Operator Shovel / Scraper / Dozer | 480 |
| 29 | Operator Spillway / Sluice gate | 420 |
| 30 | Operator Crusher / Conveyor / Mucker | 420 |
| 31 | Operator Tipper / Dumper / Transit mixer | 480 |
| 32 | Operator Concrete vibrator | 420 |
| 33 | Operator Vibratory plain / pad foot roller | 420 |
| 34 | Operator Wagon drill / Drifter | 480 |
| 35 | Painter Cl- I | 480 |
| 36 | Plumber / Pipe fitter | 480 |
| 37 | Sarang / Khalasi | 420 |
| 38 | Spun pipe moulder | 420 |
| 39 | Stone chiseller Cl- I / Stone cutter Cl- I | 420 |
| 40 | Struct. steel Fabricator / Marker / Erector | 480 |
| 41 | Welder / Gas Cutter | 420 |
| 42 | Welder (X-ray quality) | 480 |
| II. SEMI SKILLED CATEGORY: | | |
| 1 | Asphalt Sprayer / Boiler attendant | 375 |
| 2 | Bhisti | 375 |
| 3 | Boatman with boat | 390 |
| 4 | Carpenter Cl- II / Erector shuttering | 375 |
| 5 | Cartman with double bullock cart | 440 |
| 6 | Cartman with single bullock cart | 415 |
| 7 | Chavali / Navagani | 375 |
| 8 | Crowbarman / Jumper man | 375 |
| 9 | Fitter Cl- II | 375 |
| 10 | Gang man / Head / Survey mazdoor | 375 |
| 11 | Gardener / Trained mali | 375 |
| 12 | Air compressor / DG set | 375 |
| 13 | Helper Batching plant | 375 |
| 14 | Helper Blasting | 375 |

| SI No. | CATEGORY OF WORKER | S. Rate for 2015 |
|----------------------------------|---|------------------|
| 1 | 2 | 3 |
| 15 | Helper Bus/ Ambulance/ Lorry/ Tanker | 375 |
| 16 | Helper Bending/Shearing/Planing machine | 375 |
| 17 | Helper Carpenter | 375 |
| 18 | Helper Concrete / Asphalt mixer | 375 |
| 19 | Helper Concrete / Asphalt paver | 375 |
| 20 | Helper Core drilling machine | 375 |
| 21 | Helper Crane/ Tower crane/ Cable way | 375 |
| 22 | Helper Drilling jumbo / Loco / Winch | 375 |
| 23 | Helper Fitter / Fabrication/Electrician | 375 |
| 24 | Helper Grouting/ Guniting/ Shotcreting | 375 |
| 25 | Helper Jack hammer / Pneumatic tamper | 375 |
| 26 | Helper Laboratory / Instrumentation | 375 |
| 27 | Helper Road roller | 375 |
| 28 | Helper Shovel / Scraper / Dozer | 375 |
| 29 | Helper Crusher / Conveyor / Mucker | 375 |
| 30 | Helper Tipper / Dumper/ Transit mixer | 375 |
| 31 | Helper Vibrator | 375 |
| 32 | Helper Vibratory plain/ pad foot roller | 375 |
| 33 | Helper Wagon drill/ Drifter | 375 |
| 34 | Lineman Electric / Telephone | 375 |
| 35 | Mason Cl- II / Brick layer Cl-II | 375 |
| 36 | Mechanic Cl- II | 375 |
| 37 | Painter Cl- II | 375 |
| 38 | Patkari / Neeraganti / Sowdy | 375 |
| 39 | Stone Chiseller Cl- II | 375 |
| 40 | Stone breaker / Hammer man | 375 |
| 41 | Valve man / Canal sluice operator | 375 |
| III. UN-SKILLED CATEGORY: | | |
| 1 | Cement / Asphalt handling mazdoor | 320 |
| 2 | Civic worker | 320 |
| 3 | Man mazdoor | 320 |

| SI No. | CATEGORY OF WORKER | S. Rate for 2015 |
|-------------------|---|-------------------------------------|
| 1 | 2 | 3 |
| 4 | Woman mazdoor | 320 |
| 5 | Watchman | 320 |
| IV. | OTHER CATEGORY: | |
| 1 | Care-taker / conductor / Lift Attender | 400 |
| 2 | Cook / Mess man | 400 |
| 3 | Dhobi | 400 |
| 4 | Diploma Engineer / Surveyor | 600 |
| 5 | Diver with headgear | 495 |
| 6 | Graduate / Laboratory Assistant | 495 |
| 7 | Graduate Engineer/ Geologist | 800 |
| 8 | Horticulture Assistant / Photographer | 400 |
| 9 | ITI certificate holder / Tracer / Printer | 495 |
| 10 | Literate mazdoor | 385 |
| 11 | Stenographer / Computer Operator | 535 |
| 12 | Telephone / Wireless Operator | 480 |
| 13 | Typist / Job Typist | 480 |
| 14 | CAD operator with Diploma in Engineering/General degree | 650 |
| 15 | Jeep Driver | 480 |
| 16 | Data Processing Operator | 650 |

Note: - 1)The wage should not be less than the minimum wages of schedule of employment, subject to out turn. 2) 25% extra over the corresponding labour rates in respect of the work to be done during night time subject to issue of certificate accordingly by the concerned estimate sanctioning authority for providing in the data and by concerned Executive Engineer in charge of the work for payment. The night time allowance is applicable only to the works done under Greater Visakhapatnam Municipal Corporation and Vijayawada Municipal Corporation limits only.

BASIC INPUT DATA FOR WATER RESOURCE WORK ITEMS

**STATEMENT OF RATES FOR MATERIALS
FOR THE YEAR : 2015-16**
GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:

- 1 Average of the prevailing market rates, ignoring freak rates, is the criteria for Fixing market rates for materials.
- 2 The rates for materials is inclusive of all taxes, duties and other local levies.
- 3 The rates for materials are **exclusive of Seigniorage charges wherever applicable.**
- 4 The rates for materials, except those for which lead charges are admissible as per the Statement of lead charges is for all leads.
5. The rates provided for useful rubble / stone chips from excavation shall be at dump yard.

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2015- |
|-------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Acetylene gas | cum | 335 |
| 2 | Asphalt 80/100 Grade | Kg | 46 |
| 3 | Binding wire | Kg | 70 |
| 4 | Burnt stone slab 10 cm thick | sqm | 320 |
| 5 | Cement 43 Gr/53 Gr Note: As per Monthly rate fixed by Sub- Committee. | tonne | 6400.00 (Rate for 5/2015) |
| 6 | Chequered plate | Kg | 63 |
| 7 | Coarse aggregate 10-4.75 mm(excluding Seigniorage | cum | 875 |
| 8 | Coarse aggregate 20-10 mm(excluding Seigniorage | cum | 1210 |
| 9 | Coarse aggregate 40-20 mm(excluding Seigniorage | cum | 1145 |
| 10 | Coarse aggregate 80-40 mm(excluding Seigniorage | cum | 635 |
| | The aggregate rates mentioned above (from SI.No.7 to SI.No.10) are exclusive of Seigniorage charges but including blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained from hand broken, the blasting and crushing charges shall be deducted. The aggregate shall be HB Stone of Granite, Dolomite, Dolerite and Trap. (Quartzite and Basalt with aggregate impact of | | |
| 11 | Coir brush | Each | 45 |

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2015- |
|--------|---|------|-------------------|
| 1 | 2 | 3 | 4 |
| 12 | Copper sheet 16 SWG | kg | 695 |
| 13 | Coursed rubble stone 30 x 30 x 45 cm(excluding Seigniorage charges) | Each | 23 |
| 14 | Coursed rubble stone 30 x 30 x 60 cm(excluding Seigniorage charges) | Each | 26 |
| 15 | Curing Compound | Ltr | 130 |
| 16 | D – cord | Rm | 10 |
| 17 | Delay - noiseless trunk | Each | 21 |
| 18 | Detonating fuse coil | Rm | 11 |
| 19 | Detonating shock tube / Cord relays | Rm | 45 |
| 20 | Detonator delay type | Each | 23 |
| 21 | Detonator electric | Each | 13 |
| 22 | Detonator ordinary | Each | 9 |
| 23 | Empty cement bag | Each | 5 |
| 24 | Explosive ANFO | kg | 46 |
| 25 | Explosive ANFO high strength booster | kg | 73 |
| 26 | Explosive small dia (Kelvex-220 or equivalent) | kg | 70 |
| 27 | (a)Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges) (b)Fine aggregate/Sand(unscreened)for filling(excluding Seigniorage charges) | cum | 610 460 |
| 28 | Fine aggregate /Sand (Screened) for Mortar ,Plastering items and Sand blasting items(excluding Seigniorage charges) (Rs.67 is added towards screening Charges) | cum | 677 |
| 29 | Geo-textile (filter fabric) 160 gsm | sqm | 115 |
| 30 | Geo-textile (filter fabric) 200 gsm | sqm | 138 |
| 31 | Geo-textile (filter fabric) 250 gsm | sqm | 160 |
| 32 | G I Pipe 100 mm dia B Class | Rm | 735 |
| 33 | G I Pipe 15 mm dia A class | Rm | 110 |
| 34 | G I pipe 25 mm dia A class | Rm | 170 |
| 35 | G I pipe 40 mm dia B class | Rm | 290 |
| 36 | G I pipe 50 mm dia A class | Rm | 320 |

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2015- |
|--------|--|-------|-------------------------|
| 1 | 2 | 3 | 4 |
| 37 | G I Pipe 80 mm dia B Class | Rm | 490 |
| 38 | G.I Bolts / Nuts and Washers | kg | 100 |
| 39 | G.I sheet (plain) | tonne | 66000 |
| 40 | Hariyala turfing sods | sqm | 28 |
| 41 | Hectometer stone one line dressed | Each | 250 |
| 42 | Hemp yarn | kg | 72 |
| 43 | Honne wood planks | cum | 54000 |
| 44 | Hume pipe with collar 150 mm dia | Rm | 345 |
| 45 | Hume pipe with collar 300 mm dia | Rm | 695 |
| 46 | J- Bolts 30 cm long | Each | 35 |
| 47 | Jungle wood planks | cum | 23000 |
| 48 | Khandki stone 15 to 20 cm height | Each | 12 |
| 49 | Khandki stone 20 to 25 cm height | Each | 15 |
| 50 | Khandki stone 25 to 30 cm height | Each | 17 |
| 51 | Kilometer stone one line dressed | Each | 475 |
| 52 | LDPE sheet (Geo membrane) 500 micron thick | sqm | 95 |
| 53 | LDPE sheet (Geo membrane) 750 micron thick | sqm | 135 |
| 54 | LDPE sheet (Geo membrane) 1000 micron thick | sqm | 185 |
| 55 | M S Bolts / Nuts / Washers | kg | 90 |
| 56 | Murum(including loading charges but excluding Seigniorage charges) | cum | 128 |
| 57 | Oxalic acid | Ltr | 80 |
| 58 | Oxygen gas | cum | 42 |
| 59 | PVC sealing strip | Rm | 45 |
| 60 | PVC water stopper 310 mm wide | Rm | 485 |
| 61 | PVC pipe of 100 mm dia | Rm | 175 |
| 62 | Reinforcement steel (HYSD/TMT) Note: As per Monthly rate fixed by Sub-Committee | tonne | 42,000(Rate for 5/2015) |
| 63 | Resin bond Cement capsule | Each | 65 |

Part I-Basic Input data for Irrigation items – Common SoR 2015-16

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2015- |
|-------------------|--|-------------|--------------------------------------|
| 1 | 2 | 3 | 4 |
| 64 | Rough stone 20 x 20 x 75 cm (Including Loading charges but excluding Seigniorage Charges) | Each | 25 |
| 65 | Shahabad stone slab (including loading charges but excluding Seigniorage charges) | sqm | 235 |
| 66 | Stone chips (at dump yard/Spoil)(including loading charges but excluding Seigniorage charges) | cum | 185 |
| 67 | Stone chips (at quarry)(including loading charges but excluding Seigniorage charges) | cum | 350 |
| 68 | Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee | tonne | 45,000(Rate for 5/2015) |
| 69 | Structural steel plate / flats Note: As per Monthly rate fixed by Sub-Committee | tonne | 44,000(Rate for 5/2015) |
| 70 | Super Plasticizer (Conplast RP-264 or equivalent) | kg | 86 |
| 71 | Synthetic Enamel paint 1st quality | Ltr | 260 |
| 72 | Synthetic adhesive (Resin + Hardener) | Kg | 360 |
| 73 | Tar felt joint filler board 12 mm thick | sqm | 420 |
| 74 | Tar felt joint filler board 20 mm thick | sqm | 630 |
| 75 | Through stones 20 x 20 x 30 to 45 cm (including loading charges but excluding Seigniorage charges) | Each | 23 |
| 76 | Through stones 25 x 25 x 45 to 60 cm long (including | Each | 39 |
| 77 | Through stones 30 x 30 x 65 to 75 cm long (including | Each | 59 |
| 78 | Un-coursed rubble stones (at dump yard /Spoil) (including loading charges but excluding Seigniorage charges) | cum | 155 |
| 79 | Un-coursed rubble stones (at quarry)(including loading charges but excluding Seigniorage | cum | 318 |
| 80 | Water proofing compound | kg | 75 |
| 81 | Welding electrodes 4 mm dia | Each | 12 |
| 82 | Wire brush | Each | 41 |

Part I-Basic Input data for Irrigation items – Common SoR 2015-16

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2015- |
|-------------------|---|-------------|----------------------------------|
| 1 | 2 | 3 | 4 |
| 83 | Wire mesh 20 gauge | sqm | 235 |
| 84 | Zinc chromate red oxide primer paint | Ltr | 185 |
| 85 | inorganic zinc silicate | Ltr | 689 |
| 86 | solvent less coal tar epoxy paint | Ltr | 271 |
| 87 | Zinc phosphate primer | Ltr | 223 |
| 88 | Allkyd based iron oxide paint | Ltr | 196 |
| 89 | a) Cost of hdpe (90mm dia) | Rm | 230 |
| | b) light black MS casing pipe 100 mm dia (4mm thick) | Rm | 460 |
| 90 | welded steel wire fabric 100X100X5 mm size | Kg | 170 |
| 91 | Protective Mastic | Ltr | 483 |
| 92 | Solventless coal tar epoxy (brown) | Ltr | 374 |

**ADDITIONAL MATERIALS FOR GATES & HOISTS
FOR THE YEAR: 2015-16**

GUIDE LINES:

- a. For cast steel / Alloy steel / Forged steel / Bronze, aluminum alloy components the rates shall be inclusive of cost of basic metal for these components, casting / forging charges, machining charges and applicable excise duty on finished alloy component.
- b. For other materials the rates shall be prevailing market rates.

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for |
|---------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Alloy steel (IS : 1570-carbon steel) shafts | Kg | 235 |
| 2 | Alloy steel (IS : 1570-stainless steel) pins | Kg | 450 |
| 3 | Bolt / Nut / Washer (hot dipped galvanized | Kg | 140 |
| 4 | Bolt / Nut / Washer (stainless steel) | Kg | 365 |
| 5 | Bronze/Aluminum alloy(IS:305)bearings/bushes | Kg | 960 |
| 6 | Cast iron blocks | Kg | 85 |
| 7 | Cast steel drums / gears | Kg | 235 |
| 8 | Cast steel pinions | Kg | 225 |
| 9 | Cast steel wheels / pulleys / hubs / rollers / Retainers | Kg | 190 |
| 10 | Chemical for de-greasing/ derusting/phosphate | Ltr | 130 |
| 11 | Coal tar epoxy paint | Ltr | 215 |
| 12 | Forged steel hooks / shackles | Kg | 280 |
| 13 | MS pipe 200 / 300 mm dia | Kg | 175 |
| 14 | MS pipe 32 mm dia | Rm | 185 |
| 15 | MS pipe 25 mm dia | Rm | 150 |
| 16 | Rubber bottom seal (IS : 11855) (100mmX14 mm) | Rm | 780 |
| 17 | Rubber side seal (music note type Teflon claded) (IS : 11855) (36ØX113mmX14mm) | Rm | 1670 |
| 18 | Rubber side seal (music note type uncladed) (IS : 11855) | Rm | 1210 |
| 19 | Rubber side seal Z-type (IS : 11855) (36ØX120mmX19mm) | Rm | 1600 |

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S. Rate for |
|---------------|---|-------------|--------------------|
| 1 | 2 | 3 | 4 |
| 20 | Rubber corner seal (Teflon claded) (IS : 11855) (36Ø) | Each | 1630 |
| 21 | Rubber corner seal (un claded) (IS : 11855) (36Ø) | Each | 1150 |
| 22 | Stainless steel plates / flats | Kg | 275 |
| 23 | Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen) | Each | 15 |
| 24 | Welding electrode 4 mm dia x 450 mm (stainless steel) | Each | 23 |
| 25 | Wire rope 6x37 constn (IS : 2266) | Kg | 200 |
| 26 | Zinc | Kg | 178 |
| 27 | Zinc rich (zinc content : 90 %) epoxy | Ltr | 700 |

**MATERIALS FOR POWER SUPPLY WORKS
FOR THE YEAR : 2015-16**

| SI No. | Description of Material | Unit | S. Rate for 2015- |
|---------------|--------------------------------------|-------------|--|
| 1 | Electric pole with fixtures | Each | For establishing Electrical Sub- Stations at the Project Sites wherever necessary, the rates approved by APTRANSC O may be followed. |
| 2 | Flood light 500 W | Each | |
| 3 | Flood light set | Each | |
| 4 | Flouscent tube light 40 W | Each | |
| 5 | Flouscent tube light set | Each | |
| 6 | HT / LT Circuit breaker with | Set | |
| 7 | HT / LT Line conductor | 1000 m | |
| 8 | PVC Armoured cable 10 sqmm and below | Rm | |
| 9 | PVC Armoured cable 16 sqmm | Rm | |
| 10 | PVC Armoured cable 25 sqmm | Rm | |
| 11 | PVC Armoured cable 70 sqmm | Rm | |

DETAILS OF CAPITAL COST OF MACHINERY / EQUIPMENT**FOR THE YEAR: 2015-16****GUIDE LINES FOR FIXING CAPITAL COST OF MACHINERY / EQUIPMENT:**

1 The Capital cost of machinery / equipment shall be for new machinery / equipment and shall be inclusive of all taxes, duties, other levies.

2 The cost of transport vehicles / equipment shall be exclusive of cost of tyres and tubes.

3 The cost of drill rods / drill bits / air hose / water hose / road tax / insurance charges and other consumable accessories shall not be included in the capital cost.

4 In cases, where the current capital cost of machinery / equipment could not be collected through enquiries, the capital cost considered for previous year may be updated on the basis of average percentage increase / decrease in the index for machinery published in the R.B.I Bulletin.

| SI No: | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2015 |
|--------|--|------|------------------|
| 1 | 2 | 3 | 4 |
| 1 | Agitator car / Transit mixer 2 cum (excluding tyres) | Each | 21,50,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 2 | Air compressor 5 cmm electric | Each | 7,10,000 |
| 3 | Air compressor 7 cmm diesel | Each | 9,50,000 |
| 4 | Air compressor 7 cmm electric | Each | 8,65,000 |
| 5 | Air compressor 8.5 cmm diesel | Each | 10,85,000 |
| 6 | Air compressor 8.5 cmm electric | Each | 11,20,000 |
| 7 | Air compressor 15 cmm electric | Each | 13,70,000 |
| 8 | Angle Dozer 90 hp | Each | 54,75,000 |
| 9 | Batching plant 0.5 cum with accessories(6 Cum/hr) | Each | 12,00,000 |
| 10 | Batching plant 2 x 1.00 cum with accessories (15 Cum/hr) | Each | 42,45,000 |
| 11 | Batching plant 2 x 1.50 cum with accessories (50 Cum/hr) | Each | 65,00,000 |
| 12 | Bending machine | Each | 5,30,000 |
| 13 | Clamp shell and hoisting ropes | Each | 30,000 |
| 14 | Concrete bucket 1.5 cum | Each | 56,000 |
| 15 | Concrete hand mixer 45/30 ltr | Each | 15,500 |
| 16 | Concrete mixer 300/200 ltr(diesel) | Each | 1,50,000 |
| 17 | Concrete mixer 300/200 ltr (electric) | Each | 1,45,000 |
| 18 | Concrete mixer 600/400 ltr(diesel) | Each | 2,60,000 |
| 19 | Concrete mixer 600/400 ltr (electric) | Each | 2,55,000 |

| SI No: | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2015 |
|-------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 |
| 20 | Concrete paver 100 Sqm / hr | Each | 23,61,000 |
| 21 | Convey mucker (excluding tyres) | Each | 38,55,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 22 | Core drilling machine | Each | 11,00,000 |
| 23 | Diesel generating set 30 KVA | Each | 4,95,000 |
| 24 | Diesel generating set 50 KVA | Each | 6,40,000 |
| 25 | Diesel Loco 45 hp | Each | 21,20,000 |
| 26 | Dewatering pump 5 hp diesel | Each | 40,000 |
| 27 | Dewatering pump 5 hp electric | Each | 24,500 |
| 28 | Dewatering pump 10 hp diesel | Each | 60,000 |
| 29 | Dewatering pump 10 hp electric | Each | 55,000 |
| 30 | Dewatering pump 20 hp diesel | Each | 1,90,000 |
| 31 | Dewatering pump 20 hp electric | Each | 1,00,000 |
| 32 | Drifter | Each | 10,58,000 |
| 33 | Drilling jumbo (excluding tyres) | Each | 13,02,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 34 | Dumper 4.5 cum (excluding tyres) | Each | 14,50,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 35 | Geophysical Ele.resistivity meter | Each | 4,75,000 |
| 36 | Grouting pump | Each | 1,02,000 |
| 37 | Guniting / sand blasting equipment | Each | 2,80,000 |
| 38 | Ice plant with accessories 30 t / day | Each | 22,80,000 |
| 39 | Jack hammer | Each | 65,000 |
| 40 | Needle vibrator 40 mm petrol | Each | 20,000 |
| 41 | Needle vibrator 40 mm electric | Each | 21,000 |
| 42 | Needle vibrator 60 mm petrol | Each | 21,500 |
| 43 | Needle vibrator 60 mm electric | Each | 25,500 |
| 44 | Planing machine 4 m stroke | Each | 7,80,000 |
| 45 | Plate shearing machine up to 12 mm | Each | 4,25,000 |

| SI No: | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2015 |
|-------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 |
| 46 | Pneumatic placer 0.5 cum | Each | 5,80,000 |
| 47 | Pneumatic tamper | Each | 85,000 |
| 48 | Pug cutting machine | Each | 16,000 |
| 49 | Pusher leg | Each | 52,000 |
| 50 | Road roller diesel 10 t | Each | 8,50,000 |
| 51 | Shovel 0.50 cum 75 hp | Each | 37,50,000 |
| 52 | Shovel 0.85 cum 110 hp | Each | 63,80,000 |
| 53 | Stationery derrick crane 5 t | Each | 6,53,000 |
| 54 | Tipper 5 cum (excluding tyres) | Each | 16,25,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 55 | Tipping tub 1.5 cum | Each | 2,40,000 |
| 56 | Tower crane 5 tonne | Each | 74,75,000 |
| 57 | Transformer 250 KVA | Each | 4,25,000 |
| 58 | Truck 10 t (excluding tyres) | Each | 14,75,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 59 | Truck mounted derrick crane 5 t (excluding tyres) | Each | 19,60,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 60 | Upright drilling machine | Each | 56,000 |
| 61 | Ventilation fan 20 hp | Each | 2,60,000 |
| 62 | Vibratory pad foot roller 8 t | Each | 29,50,000 |
| 63 | Wagon drill | Each | 6,50,000 |
| 64 | Water tanker 8000 ltr (excluding tyres) | Each | 14,22,000 |
| | tyres and tubes 6 sets | | 86,000 |
| 65 | Welding set | Each | 48,000 |
| 66 | Winch 35 hp electric | Each | 3,75,000 |
| 67 | Hydraulic Truck Crane 30T | Each | 1,44,84,250 |
| | tyres and tubes 6 sets | | 1,85,220 |
| 68 | Hydraulic Truck Crane 16T | Each | 1,03,90,875 |
| | tyres and tubes 6 sets | | 1,85,220 |

| SI No: | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2015 |
|---------------|---|-------------|-------------------------|
| 1 | 2 | 3 | 4 |
| 69 | Heavy Duty Airless Spray Painting Equipment | Each | 4,87,770 |
| 70 | Concrete Placer Pump(25 Cum/hr)(Electric) | Each | 34,04,430 |

ACCESSORIES TO MACHINERY / EQUIPMENT FOR THE YEAR : 2015-16

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2015- |
|---------------|-------------------------------------|-------------|-------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Casing shoe bit | Each | 10,500 |
| 2 | Diamond core bit BX size | Each | 10,600 |
| 3 | Diamond core bit NX size | Each | 12,720 |
| 4 | Double tube core barrel | Each | 13,568 |
| 5 | Extension drill rod with coupling | Rm | 2120 |
| 6 | Jack hammer drill rod 1.5 m | Each | 4028 |
| 7 | Jack hammer drill rod 2.5 m | Each | 6254 |
| 8 | Nozzle for Guniting / sand blasting | Each | 700 |
| 9 | Paving Cylinder | Each | 28,080 |
| 10 | Rails 30R (30 kg / m) | tonne | 51,500 |
| 11 | Reamer shell | Each | 5150 |
| 12 | T.C. Cross bit 50 mm dia | Each | 5000 |
| 13 | T.C. Cross bit 75 mm dia | Each | 10,000 |
| 14 | T.C. Cross bit 100 mm dia | Each | 12,000 |
| 15 | Tyres and Tubes for truck | Set | 18,000 |
| 16 | Wire rope 16 mm dia | Rm | 265 |
| 17 | Excavation of drain with Excavator | cum | 35 |

AGGREGATE CRUSHING & PROCESSING PLANT

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S Rate for |
|---------------|---|-------------|-------------------|
| 1 | 2 | 3 | 4 |
| 1 | Jaw crusher 900 x 500 mm (120 tph) with 50 hp | Each | |
| 2 | Jaw crusher 500 x 300 mm (60 tph) with 30 hp | Each | |
| 3 | Jaw crusher 400 x 225 mm (10 tph) with 25 hp | Each | |
| 4 | Jaw plates 900 x 500 mm (serreted) | Set | |
| 5 | Jaw plates 500 x 300 mm (serreted) | Set | |
| 6 | Jaw plates 400 x 225 mm (serreted) | Set | |
| 7 | Nylon Conveyor belt 3 ply 600 mm width | Rm | |
| 8 | Nylon Conveyor belt 3 ply 1000 mm width | Rm | |

OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT FOR THE YEAR : 2015-16

- 1 The rate provided for ' SUNDRIES' (Lump sum provision for unquantified inputs in the data rates) shall be updated on the basis of general percentage increase / decrease in the market rates or on the basis of R.B.I ' All Commodity' index.
- 2 The rate for structural steel fabrication shall include cost of all materials (except structural steel), machinery, labour and one coat of primer painting.
- 3 Demand charges and electric power charges shall be as per prevailing APEPDCL tariff.
4 Rate of interest on capital cost shall be as approved by Govt or other competent authority.

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S Rate for |
|---------------|--|-------------|-------------------|
| 1 | 2 | 3 | 4 |
| 1 | Air hose 25 mm dia | Rm | 180 |
| 2 | Air hose 50 mm dia | Rm | 298 |
| 3 | Demand charges (HT-I : General-11 KVA category) | KVA / month | 371 |
| 4 | Diesel | Ltr | 57 |
| 5 | Electric power (HT-VIII Category) including tax (1.5 times of the Tariff of HT-I(A): General-11 | Kwhr | 9.1 |
| 6 | Excise duty on Gates / Hoist supplies | % | 0% |
| 7 | Insurance charges on machinery | % / annum | 1% |
| 8 | Interest on capital cost | % / annum | 11.00% |

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2015 |
|-------------------|---|-------------|------------------------------------|
| 1 | 2 | 3 | 4 |
| 9 | Lubricants | Ltr | 260 |
| 10 | Petrol | Ltr | 69 |
| 11 | Rivets | Kg | 100 |
| 12 | Road tax on transport vehicles | Rs./annum | 18,132 |
| 13 | Shalimastic sealing compound | Kg | 94 |
| 14 | Shutter oil | Ltr | 78 |
| 15 | Structural steel fabrication | Kg | 24 |
| 16 | Sundries (Lump sum for un quantified inputs) | LS | 41 |
| 17 | Water hose (pressure) 20 mm dia | Rm | 185 |
| 18 | Steel wedges | LS | 16 |
| 19 | Elbows / Nipple / Plugs etc., | LS | 17 |
| 20 | Soldering materials | LS | 17 |
| 21 | Steam circulation arrangement | LS | 17 |
| 22 | Fuel charges (gas for heating) | LS | 17 |
| 23 | Vulcanizing materials | LS | 17 |
| 24 | Other accessories / controls / junctions | LS | DELETED |
| 25 | Miscellaneous fittings / switches etc | LS | DELETED |
| 26 | Anchors / supports for cables / lights | LS | DELETED |
| 27 | Civil works for foundations / pedestals / duct etc | LS | DELETED |
| 28 | Gas cutting set (2 No's 15 m hose and nozzle | Each | 14,500 |
| 29 | Grease | Kg | 260 |
| 30 | Welding holder set (cable / holder / gloves / mask | Each | 7700 |
| 31 | Use rate of ropes | LS | 150 |

MATERIALS FOR GATES AND HOISTS
FOR THE YEAR : 2015-16

| SI No. | DESCRIPTION OF MATERIAL | UNIT | S Rate for each |
|---------------|---|-------------|------------------------------------|
| 1 | Worm reducers | Each | 224400 |
| 2 | Electric motor 20 hp(Double Shaft) | Each | 121000 |
| 3 | Electric motor 17.5 hp(Double Shaft) | Each | 85,800 |
| 4 | Electric motor 12.5 hp(Double Shaft) | Each | 72,600 |
| 5 | Electric motor 5 hp(Double Shaft) | Each | 33,000 |
| 6 | Electric motor 3 hp (Double Shaft) | Each | 23,100 |
| 7 | Electric motor 2 hp (Double Shaft) | Each | 12100 |
| 8 | Floating shaft 300 mm dia | Kg | 180 |
| 9 | Manual operating system | Each | 28,820 |
| 10 | Gate position indicator | Each | 195800 |
| 11 | Ele-magnetic brake | Each | 35,200 |
| 12 | Electric cable / switch / control panel | LS | 50,380 |
| 13 | Wire rope sockets | Each | 4,620 |

Materials other than covered under irrigation**For the year 2015-16****GENERAL GUIDE LINES FOR REVISING RATES OF MATERIALS:**

- 1 Average of the prevailing market rates, ignoring freak rates, is the criteria for Fixing market rates for materials.
- 2 The rates for materials is inclusive of all taxes, duties and other local levies.
- 3 The rates for materials are **exclusive of Seigniorage charges wherever applicable.**
- 4 The rates for materials, except those for which lead charges are admissible as per the Statement of lead charges is for all leads.

| Sl. No. | Description | Unit | S. Rate for |
|----------------|--|-------------|--|
| 1 | 2 | 3 | 4 |
| M-002 | Quarried stone 150 - 200 mm size for Hand Broken | Cum | 147 |
| M-003 | Boulder with minimum size of 300 mm for Pitching | Cum | 164 |
| M-004 | Coarse sand for filling (Excluding Seigniorage charges) | Cum | Rate as per item no.27(b) of material of WRD |
| M-005 | Coarse sand for mortar(Excluding Seigniorage charges) | Cum | Rate as per item no.27(a) of material of WRD |
| M-006 | Fine Sand (Excluding Seigniorage charges) | Cum | Rate as per item no.28 of material of WRD |
| M-007 | Murum (Excluding Seigniorage charges) | Cum | Rate as per item no.56 of Material rates of WRD. |
| M-008 | Gravel/Quarry spall(Excluding Seigniorage charges) | Cum | 103 |
| M-009 | Granular Material or hard murum for GSB works | Cum | Deleted |
| M-010 | Granular Material or hard murum for GSB works(Excluding Seigniorage charges) | Cum | 92 |
| M-011 | Fly ash conforming to IS: 3812 (Part II & I) | Cum | 72 |
| | For item No.M-012 to M-055 the note shall be as follows 1) The rates mentioned are exclusive of Seigniorage charges but inclusive of blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained by hand broken, machine crushing charges shall be deducted. 2) If the material is obtained by hand broken from surface boulders/canal spoil, the blasting and crushing charges shall be deducted. 3)The material shall be HB Stone of Granite, Dolomite, Dolerite and Trap.(Quartzite and | | |

| Sl. No. | Description | Unit | S. Rate for |
|---------|---|------|-------------|
| 1 | 2 | 3 | 4 |
| M-012 | Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) (excluding Seigniorage Charges) | Cum | 345 |
| M-013 | Close graded Granular sub-base Material 53 mm to | Cum | 667 |
| M-014 | Close graded Granular sub-base Material 37.5 mm to | Cum | 685 |
| M-015 | Close graded Granular sub-base Material 26.5 mm to | Cum | 711 |
| M-016 | Close graded Granular sub-base Material 9.5 mm to | Cum | 592 |
| M-017 | Close graded Granular sub-base Material 9.5 mm to | Cum | 582 |
| M-018 | Close graded Granular sub-base Material 4.75mm to | Cum | 510 |
| M-019 | Close graded Granular sub-base Material 4.75mm to | cum | 489 |
| M-020 | Close graded Granular sub-base Material 2.36 mm | Cum | 489 |
| M-021 | Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve. (excluding | Cum | 357 |
| M-022 | Coarse graded Granular sub-base Material 2.36 mm | Cum | 438 |
| M-023 | Coarse graded Granular sub-base Material 4.75mm to | cum | 474 |
| M-024 | Coarse graded Granular sub-base Material 4.75 mm | Cum | 474 |
| M-025 | Coarse graded Granular sub-base Material 9.5 mm to | Cum | 561 |
| M-026 | Coarse graded Granular sub-base Material 26.5 mm | Cum | 619 |
| M-027 | Coarse graded Granular sub-base Material 26.5 mm | Cum | 620 |
| M-028 | Coarse graded Granular sub-base Material 37.5 mm | Cum | 685 |
| M-029 | Coarse graded Granular sub-base Material 53 mm to | Cum | 850 |
| M-030 | Aggregates below 5.6 mm(excluding Seiniorage | Cum | 557 |
| M-031 | Aggregates 22.4 mm to 2.36 mm (excluding Seiniorage Charges) | Cum | 914 |
| M-032 | Aggregates 22.4 mm to 5.6 mm (excluding Seiniorage Charges) | Cum | 1040 |
| M-033 | Aggregates 45 mm to 2.8 mm (excluding Seiniorage | Cum | 667 |

| Sl. No. | Description | Unit | S. Rate for |
|---------|--|------|--|
| 1 | 2 | 3 | 4 |
| M-034 | Aggregates 45 mm to 22.4 mm (excluding Seinorage Charges) | Cum | Rate as per item no.9 of Material rates of WRD. |
| M-035 | Aggregates 53 mm to 2.8 mm (excluding Seinorage) | Cum | 914 |
| M-036 | Aggregates 53 mm to 22.4 mm (excluding Seinorage Charges) | Cum | 872 |
| M-037 | Aggregates 63 mm to 2.8 mm (excluding Seinorage) | Cum | 714 |
| M-038 | Aggregates 63 mm to 45 mm (excluding Seinorage) | Cum | 662 |
| M-039 | Aggregates 90 mm to 45 mm (excluding Seinorage Charges) | Cum | Rate as per item no.10 of Material rates of WRD. |
| M-040 | Aggregates 10 mm to 5 mm (excluding Seinorage Charges) | Cum | Rate as per item no.7 of Material rates of WRD. |
| M-041 | Aggregates 11.2 mm to 0.09 mm (excluding Seinorage Charges) | Cum | 704 |
| M-042 | Aggregates 13.2 mm to 0.09 mm(excluding Seinorage Charges) | Cum | 798 |
| M-043 | Aggregates 13.2 mm to 5.6 mm (excluding Seinorage Charges) | Cum | 919 |
| M-044 | Aggregates 13.2 mm to 10 mm(excluding Seinorage Charges) | Cum | 1029 |
| M-045 | Aggregates 20 mm to 10 mm (excluding Seinorage Charges) | Cum | Rate as per item no.8 of Material rates of WRD. |
| M-046 | Aggregates 25 mm to 10 mm (excluding Seinorage) | Cum | 1129 |
| M-047 | Aggregates 19 mm to 6 mm (excluding Seinorage) | Cum | 1040 |
| M-048 | Aggregates 37.5 mm to 19 mm(excluding Seinorage Charges) | Cum | 1103 |
| M-049 | Aggregates 37.5 mm to 25 mm(excluding Seinorage Charges) | Cum | 1145 |
| M-050 | Aggregates 6 mm nominal size(excluding Seinorage Charges) | Cum | 735 |
| M-051 | Aggregates 10 mm nominal size(excluding Seinorage Charges) | Cum | 935 |
| M-052 | Aggregates 13.2/12.5 mm nominal size(excluding) | Cum | 1097 |
| M-053 | Aggregates 20 mm nominal size(excluding Seinorage Charges) | Cum | 1365 |
| M-054 | Aggregates 25 mm nominal size(excluding Seinorage Charges) | Cum | 1313 |

| Sl. No. | Description | Unit | S. Rate for |
|---------|--|-----------------|--|
| 1 | 2 | 3 | 4 |
| M-055 | Aggregates 40 mm nominal size(excluding Seiniorage Charges) | Cum | 845 |
| M-056 | AC pipe 100 mm dia | Metre | Rate as per PH |
| M-057 | Acrylic polymer bonding coat | Litre | 474 |
| M-058 | Aluminum Paint | Litre | 330 |
| M-059 | Aluminum alloy plate 2mm Thick | Sqm | 381 |
| M-060 | Aluminum alloy/Galvanized steel | Tonne | 70,931 |
| M-061 | Aluminum sheeting fixed with encapsulated lens type reflective sheeting including 2% towards lettering, cost of angle iron, cost of drilling | Sqm | 968 |
| M-062 | Aluminum studs 100 x 100 mm fitted with lens reflectors | No's | As per local market rate |
| M-063 | Barbed wire | Kg | 80 |
| M-064 | Bearing (Cost of parts) | No's | 570 |
| M-065 | Bearing (Cast steel rocker bearing assembly of 250 | No's | 785 |
| M-066 | Bearing (Elastomeric bearing assembly consisting of 7 internal layers of elastomer bonded to 6 nos. internal reinforcing steel laminates by the | Cm ³ | As per Market Competitive rates. |
| M-067 | Bearing (Forged steel roller bearing of 250 tonne) | No's | |
| M-068 | Bearing (Pot type bearing assembly consisting of a metal piston supported by a disc, PTFE pads providing sliding surfaces against stainless steel mating together with cast steel assemblies/fabricated structural steel | No's | |
| M-069 | Bearing (PTFE sliding plate bearing assembly of 80 | No's | |
| M-070 | Bearing (Supply of sliding plate bearing of 80 | No's | |
| M-071 | Bentonite | Kg | 7.5 |
| M-072 | Binding wire | Kg | Rate as per item no.3 of Material rates of WRD. |
| M-073 | Bitumen (Cationic Emulsion) | Tonne | As per rates fixed by R&B Dept based on refinery rates |
| M-074 | Bitumen (60-70 grade)(Excluding taxes) | Tonne | |
| M-075 | Bitumen (80-100 grade) (Excluding taxes) | Tonne | |

| Sl. No. | Description | Unit | S. Rate for |
|----------------|--|-------------|--|
| 1 | 2 | 3 | 4 |
| M-076 | Bitumen (Cutback) | Tonne | As per rates fixed by R&B Dept based on refinery rates |
| M-077 | Bitumen (emulsion)(Excluding taxes) | Tonne | |
| M-078 | Bitumen (modified graded) | Tonne | |
| M-079 | Brick | Each | As per Building SSR |
| M-080 | C.I. shoes for the pile | Kg | 54 |
| M-081 | Cement | Tonne | Rate as per item no.5 of Material rates of WRD. |
| M-082 | Cold twisted bars (HYSD/TMT Bars) | Tonne | Rate as per item no.62 of Material rates of WRD |
| M-083 | Collar for joints 300 mm dia | No's | 165 |
| M-084 | Compressible Fibre Board(20mm thick) | Sqm | 541 |
| M-085 | Connectors/ Staples | Each | 82 |
| M-086 | Copper Plate(12m long x 250mmwide) | Kg | 536 |
| M-087 | Corrosion resistant Structural steel | Tonne | 59,225 |
| M-088 | Corrugated sheet, 3 mm thick, "Tie" beam section railing | Kg | 206 |
| M-089 | Credit for excavated rock found suitable for use | Cum | 194 |
| M-090 | Curing compound | Liter | 130 |
| M-091 | Delineators from ISI certified firm as per the standard drawing given in IRC - 79 | Each | As per local competitive quotations |
| M-092 | Earth Cost or compensation for earth taken from | Cum | 40 |
| M-093 | Elastomeric slab seal expansion joint assembly manufactured by using chloroprene, elastomer for elastomeric slab unit conforming to clause 915.1 of IRC: 83 (part II), | Metre | As per local competitive quotations |
| M-094 | Electric Detonators @ 1 detonator for 1/2 gelatin stick | 100 no's | Rate as per item No. 21 of WRD |
| M-095 | Epoxy compound with accessories for preparing epoxy mortar | Kg | 361 |
| M-096 | Epoxy mortar | Kg | 118 |
| M-097 | Epoxy primer | Kg | 613 |
| M-098 | Epoxy resin-hardner mix for prime coat | Kg | 633 |
| M-099 | Flag of red color cloth 600 x 600 mm | Each | 25 |

Part I - Materials not covered under Irrigation basic data– Common SoR 2015-16

| Sl. No. | Description | Unit | S. Rate for |
|----------------|--|-------------|---|
| 1 | 2 | 3 | 4 |
| M-100 | Flowering Plants | Each | 40 |
| M-101 | Galvanized MS flat clamp | No's | 195 |
| M-102 | Galvanized steel wire crates of mesh size 100 mm x 100 mm woven with 4mm dia. GI wire in rolls | Sqm | 180 |
| M-103 | Galvanized structural steel plate 200 mm wide, 6 mm | Kg | 932 |
| M-104 | Gelatin 80% | Kg | 73 |
| M-105 | Geo grids | Sqm | As per local competitive quotations |
| M-106 | (a)Geo membrane 500 micron thick | Sqm | Rate as per item No. 52 of WRD |
| | (b) Geo membrane 750 micron thick | Sqm | Rate as per item No. 53 of WRD |
| | (c) Geo membrane 1000 micron thick | Sqm | Rate as per item No. 54 of WRD |
| M-107 | Geo nets | Sqm | As per local competitive quotations |
| M-108 | (a)Geo textile 160 gsm | Sqm | Rate as per item No. 29 of WRD |
| | (b) Geo textile 200 gsm | Sqm | Rate as per item No. 30 of WRD |
| | (c) Geo textile 250 gsm | Sqm | Rate as per item No. 31 of WRD |
| M-109 | Geo textile filter fabric | Sqm | As per local competitive quotations |
| M-110 | GI bolt 10 mm Dia | No's | 23 |
| M-111 | Grouting pump with agitator | Hour | Rate covered in Item No.36 of hire charges of machinery of Water Resources work |
| M-112 | Grass (Doob) | Kg | 6 |
| M-113 | Grass (Fine) | Kg | 8 |
| M-114 | HDPE pipes 75mm dia | Metre | Rate as per PH items |
| M-115 | HDPE pipes 90mm dia | Metre | |
| M-116 | Hedge plants | Each | Rate as per local competitive quotations |
| M-117 | Helical pipes 600mm diameter | Metre | |
| M-118 | Hot applied thermoplastic compound | Litre | |
| M-119 | HTS strand | Tonne | |

| Sl. No. | Description | Unit | S. Rate for |
|----------------|--|-------------|--|
| 1 | 2 | 3 | 4 |
| M-120 | Joint Sealant Compound | Kg | Rate as per local competitive |
| M-121 | Jute netting, open weave, 2.5 cm square opening for | Sqm | 90 |
| M-122 | LDO for steam curing | Litre | 65 |
| M-123 | M.S. Clamps | Kg | Deleted |
| M-124 | M.S. Clamps | Kg | Rate as per local competitive quotations |
| M-125 | M.S. shoes @ 35 Kg per pile of 15 m | Kg | Rate as per local competitive quotations |
| M-126 | Mild Steel bars | Tonne | 46,865 |
| M-127 | Modular strip/box seal expansion joint including anchorage catering to a horizontal movement beyond 70 mm and up to 140mm assembly comprising of edge beams, central beam,2 modules chloroprene seal, anchorage elements, support and control system, all steel sections protected | Metre | Rate as per local competitive quotations |
| M-128 | Modular strip/box seal expansion joint catering to a horizontal movement beyond 140mm and up to 210mm box/box seal joint assembly containing 3 modules/cells and comprising of edge beams, two central beams, chloroprene seal, anchorage elements, support and control system, all steel sections protected against corrosion and installed by the manufacturer or his authorized | Metre | Rate as per local competitive quotations |
| M-129 | Nipples 12mm | No's | 20 |
| M-130 | Nuts and bolts | Kg | 100 |
| M-131 | Paint | Litre | 255 |
| M-132 | Pavement Marking Paint | Litre | |
| M-133 | Paving Fabric | Sqm | |
| M-134 | Perforated geo synthetic pipe 150 mm dia | Metre | |
| M-135 | Perforated pipe of cement concrete, internal dia 100 | Metre | |
| M-136 | Pesticide | Kg | Rate as per local competitive |

| Sl. No. | Description | Unit | S. Rate for 2015- |
|---------|--|-------|--|
| 1 | 2 | 3 | 4 |
| | quotations | | |
| M-137 | R.C.C Pipes 200 mm dia, 2.5 m long for drainage | Metre | Rate as per PH item |
| M-138 | Plastic sheath, 1.25 mm thick for dowel bars | Sqm | Rate as per local competitive quotations |
| M-139 | Plastic tubes 50 cm dia , 1.2 m high | No's | |
| M-140 | Polymer braids | Metre | |
| M-141 | Pre moulded Joint filler, 25 mm thick for expansion | Sqm | |
| M-142 | Pre-coated stone chips of 13.2 mm nominal size | Cum | |
| M-143 | Preformed continuous chloroprene elastomer or closed cell foam sealing element with high tear strength, vulcanized in a single operation for the full length of a joint to ensure water tightness. | Metre | Rate as per local competitive quotations |
| M-144 | Pre-moulded asphalt filler board | Sqm | |
| M-145 | Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days | Kg | Rate as per local competitive quotations |
| M-146 | Primer | Kg | As per Building SSP |
| M-147 | Quick setting compound | Kg | As per local market rate |
| M-148 | Random Rubble Stone(Including Loading Charges but excluding Seignorage Charges) | Cum | 252.00 |
| M-149 | RCC Pipe NP 4 heavy duty non pressure pipe 1000 mm dia | Metre | Rate as per PH items |
| M-150 | RCC Pipe NP 4 heavy duty non pressure pipe 1200 | Metre | |
| M-151 | RCC Pipe NP 4 heavy duty non pressure pipe 300 mm dia | Metre | |
| M-152 | Reflectorising glass beads | Kg | Rate as per local competitive quotations |
| M-153 | Reinforcement strips 60 mm wide 5 mm thick as per | Metre | |
| M-154 | Reinforcement strips 60 mm wide 5 mm thick as per | Metre | |
| M-155 | Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Glass reinforced polymer/ | Metre | |

| Sl. No. | Description | Unit | S. Rate for |
|----------------|---|-------------|--|
| 1 | 2 | 3 | 4 |
| M-156 | Reinforcement strips 60 mm wide 5 mm thick as per | Metre | Rate as per local competitive quotations |
| M-157 | Reinforcement strips 60 mm wide 5 mm thick as per | Metre | |
| M-158 | Rivets | Each | 7.00 |
| M-159 | Sand bags (Cost of sand and Empty cement bag) | No's | 18.00 |
| M-160 | Sapling 2 m high 25 mm dia | Each | Rate as per local competitive quotations |
| M-161 | Scrap tyres of size 900 x 20 | No's | 80.00 |
| M-162 | Seeds(Grass) | Kg | 18.00 |
| M-163 | Cost of Selected earth (Excluding Seignorage Charges) | Cum | Rate as per Item No. M-092 |
| M-164 | Separation Membrane of impermeable plastic sheeting 125 micron thick | Sqm | Rate as per local competitive quotations Rate as per local |
| M-165 | Sheathing duct | Metre | |
| M-166 | Shrubs | Each | 15.00 |
| M-167 | Sludge / Farm yard manure @ 0.18 cum per 100 sqm at site of work for turfing | Cum | Rate as per local competitive quotations |
| M-168 | Sodium vapour lamp | Each | As per Building SSP |
| M-169 | Square Rubble Coursed Stone(Including Loading Charges but excluding Seignorage charges) | Cum | 2236.00 |
| M-170 | Steel circular hollow pole of standard specification for street lighting to mount light at 5 m height above | Each | Rate to be obtained from Electricity/Municipal Departments Rate to be obtained from |
| M-171 | Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above | Each | |
| M-172 | Steel drum 300 mm dia 1.2 m high/empty bitumen drum | No's | As per local competitive market rate |
| M-173 | Steel helmet and cushion block on top of pile head | Kg | |
| M-174 | Steel pipe 25 mm external dia as per IS 1020 | Metre | 288.00 |
| M-175 | Steel pipe 50 mm external dia as per IS 1020 | Metre | 561.00 |
| M-176 | Steel wire rope 20 mm | Kg | 185.00 |
| M-177 | Steel wire rope 40 mm | Kg | 211.00 |
| M-178 | Strip seal expansion join | Metre | Rate as per local competitive quotations |

| Sl. No. | Description | Unit | S. Rate for |
|----------------|--|-------------|--|
| 1 | 2 | 3 | 4 |
| M-179 | Structural Steel(HYSD/TMT bars) | Tonne | Rate as per item no.62 of Material rates of WRD |
| M-180 | Super plasticizer admixture IS marked as per 9103-1999 | Kg | Rate as per item no.70 of Material rates of WRD |
| M-181 | Synthetic Geo grids as per clause 3102.8 and approved design and | Sqm | Rate as per local competitive quotations |
| M-182 | Through and bond stone (a) 20X20x30 to 45 cm long | Each | Rate as per item no.75 of Material rates of WRD. |
| | Through and bond stone (b) 25X25x45 to 60 cm long | Each | Rate as per item no.76 of Material rates of WRD. |
| | Through and bond stone (c) 30X30x65 to 75 cm long | Each | Rate as per item no.77 of Material rates of WRD. |
| M-183 | Tie rods 20mm diameter | No's | 54.00 |
| M-184 | Tiles size 300 x 300 mm and 25 mm thick | Each | As per Building SSR |
| M-185 | Timber | Cum | |
| M-186 | Traffic cones with 150 mm reflective sleeve | No's | Rate as per local competitive quotations |
| M-187 | Tube anchorage set complete with bearing plate, permanent wedges etc | No's | |
| M-188 | Un slaked lime | Tonne | 2616.00 |
| M-189(a) | Water charges(Urban) | KiloLitre | 103 |
| (b) | Water charges(Rural) | KiloLitre | 77 |
| M-190 | Water based cement paint | Litre | As per Building SSR |
| M-191 | Welded steel wire fabric | Kg | 155.00 |
| M-192 | Wire mesh 50mm x 50mm size of 3mm wire | Kg | 252.00 |
| M-193 | Wooden ballies 2" Dia for bracing | Each | As per Building SSR |
| M-194 | Wooden ballies 8" Dia and 9 m long | Each | |
| M-195 | Wooden packing | Cum | 1265.00 |
| M-196 | Wooden staff for fastening of flag 25 mm dia, one m | Each | 75.00 |

| Sl. No. | Description | Unit | S. Rate for |
|----------------------------|--|--------------------------|---------------------|
| 1 | 2 | 3 | 4 |
| Item 8.3 | Printing new letter and figures of any shade (ii) English Roman — | per cm height per letter | 1.60 |
| Item 8.8 | Painting Two Coats on New Concrete Surfaces | Sqm | As per Building SSR |
| Item 8.9 | Painting angle iron post Two Coats | Sqm | As per Building SSR |
| Miscellaneous Items | | | |
| 1 | Benching old embankment slopes 0.45 X 0.45 M | RM | 4.20 |
| 2 | Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 100/- | per bag | 25.60 |
| 3 | Rough stone for revetment 225mm thick (including Loading charges but excluding Seigniorage | Cum | 144.00 |
| 4 | Eradication of Weed growth from Drains, Canals by spraying Chemicals | Sqm | 1.75 |
| 5 | Thinner | Ltr | 140.00 |
| New Item | | | |
| 6 | Gear Oil | Ltr | 265.00 |

Conveyance Charges of Material

CONVEYANCE CHARGES OF MATERIALS AS PER SoR 2015-16
(COMMON TO ALL DEPARTMENTS).

**LEAD, LIFT, LOADING AND UNLOADING CHARGES FOR MATERIALS FOR
THE YEAR: 2015-16**

1. For total lead up to 150 m (including initial lead) lead charges by head load only shall be adopted irrespective of mode of conveyance.
2. For total lead exceeding 150 m conveyance by mechanical means only shall be adopted irrespective of mode of conveyance.
3. The rates for loading at quarry including idle hire charges of trucks and hire charges per for each kilometer and up to 5 km are cumulative and inclusive of total charges for Preceding lead.
4. Unless otherwise specified lead charges for Earth / Sand / Gravel / Aggregates and Stones are for loose volume and not for compacted or in-situ volume.
5. The rates for lift charges, lead charges, hire charges are cumulative and inclusive of rates for preceding lift, lead and hire charges.
6. Lift charges are not payable where conveyance of materials is by mechanical means to final placing point.
7. Loading and unloading charges are not payable for conveyance by head load.
8. Loading charges are not payable for conveyance by mechanical means for disposal of excavated materials beyond initial lead of 50 m wherever specified.
9. Loading and unloading charges are not payable for conveyance by mechanical means for disposal of excavated materials beyond initial lead of 1 km wherever specified.
10. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone are inclusive of stacking.
11. Hire charges are per 1KM for tippers and trucks for transport of materials from work site to dump yard and other places are cumulative& includes previous km up to 5 kms
12. The lead & lift charges are inclusive of contractor's profit and overhead charges of 13.615%
13. **During the BoCE meeting held on 24-05-2014, it is observed that in some of the estimates, Lead Charges are being added directly to the material basic rates for arriving the finished item rate. In view of that, the BoCE has instructed to see that while arriving the finished item rate, the lead charges are to be added to the material basic rates only after deducting the provision of "Contractor's Profit and Overhead charges"**

A. (LEAD) CONVEYANCE CHARGES FOR MATERIALS BY HEAD LOAD FOR THE YEAR: 2015-16

| SI No. | Total distance (Total lead includes initial lead) | Earth / Sand /Gravel / Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate | Cement / Reinforce - ment steel Str steel Rs / tonne | PCC slab/ Shahbad slab / CC block/ BS slab/ Late-rite / Wood Rs / cum |
|--------|--|--|--|---|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Total lead up to 50 m (covered by item rate) | initial lead | initial lead | initial lead |
| 2 | Total lead up to 100 m | 51.90 | 30.30 | 66.10 |
| 3 | Total lead up to 150 m | 103.90 | 60.60 | 132.20 |

Notes: 1. No loading or unloading charges are admissible for conveyance by head load.

2. For total lead exceeding 150 m conveyance charges by mechanical means only shall be adopted irrespective of mode of conveyance.

3.The lead & lift charges are inclusive of 13.615% Contractor Profit and Over Head charges

B.(LEAD) CONVEYANCE CHARGES FOR MACHINERY PER KILOMETER FOR TRANSPORTING MATERIALS BY TIPPERS AND TRUCKS EXCLUDING LOADING, UNLOADING AND IDLE HIRE CHARGES OF MACHINERY FOR THE YEAR: 2015-16

(No loading and unloading charges allowed for machinery loading and unloading)

| SI No. | Distance | (Lead) charges for trucks and tippers for Earth / Sand /Gravel / Murrum/ Lime/ Surki/ per cu.meter | (Lead) charges for trucks and tippers for Rubble/Size stones/ Cut Stones/ Coarse aggregate per cu.meter | (Lead) charges for trucks and tippers for Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed materials/tonne | (Lead) charges for trucks and tippers per cu.meter for PCC slabs/ Shahabad slabs/ CC & Laterite | (Lead) charges for trucks and tippers per cu.meter water/ 10 00 | (Lead) charges for trucks per 1000 nos. of bricks |
|--------|--------------------------------------|--|---|--|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Lead up to 1 km | 31.00 | 29.90 | 18.70 | 44.00 | 18.40 | 49.80 |
| 2 | Lead up to 2 km | 43.40 | 41.90 | 26.20 | 61.60 | 25.80 | 69.80 |
| 3 | Lead up to 3 km | 57.90 | 57.90 | 36.20 | 85.10 | 34.40 | 93.00 |
| 4 | Lead up to 4 km | 70.30 | 70.30 | 43.90 | 103.40 | 41.80 | 112.90 |
| 5 | Lead up to 5 km | 82.70 | 82.70 | 51.70 | 121.60 | 49.20 | 132.90 |
| 6 | for Every km beyond 5 km up to 30 km | 12.40 | 12.40 | 7.80 | 18.20 | 7.40 | 19.90 |
| 7 | for Every km beyond 30 km | 10.30 | 10.30 | 6.50 | 15.20 | 6.10 | 16.60 |

Note: The lead & lift charges are inclusive of 13.615% Contractor Profit and Over Head charges

C. LOADING AND UNLOADING CHARGES BY MANUAL MEANS
(idle hire charges of trucks are not added)

| SI No. | Description of item | Earth / Sand /Gravel Murrum/ / Surki/ | Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum | cement in Rs/tonne | steel in Rs./tonne | brick work Rs/100 0 No |
|--------|---------------------|---------------------------------------|---|--------------------|--------------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Loading | 17.30 | 34.60 | 57.10 | 68.40 | 47.60 |
| 2 | Unloading | 8.65 | 17.30 | 57.10 | 68.40 | 47.60 |

Note: The lead & lift charges are inclusive of 13.615% Contractor Profit and Over Head charges

D. LOADING AND UNLOADING CHARGES BY MANUAL MEANS
(including idle hire charges of trucks)

| SI No. | Description of item | Earth / Sand /Gravel Murrum/ / Surki/ | Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum | cement in Rs/tonne | steel in Rs./tonne | brick work Rs/100 0 No |
|--------|---------------------|---------------------------------------|---|--------------------|--------------------|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Loading | 107.90 | 125.20 | 156.70 | 168.10 | 212.00 |
| 2 | Unloading | 38.70 | 62.60 | 156.70 | 168.10 | 212.00 |

Note: The lead & lift charges are inclusive of 13.615% Contractor Profit and Over Head charges.

E.LOADING AND UNLOADING CHARGES BY MECHANICAL MEANS
(including idle hire charges of trucks)

| SI No. | Description of item | Earth / Sand /Gravel Murrum/ / Surki/ | Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum |
|--------|---------------------|---------------------------------------|---|
| 1 | 2 | 3 | 4 |
| 1 | Loading | 51.40 | 102.80 |
| 2 | Unloading | 15.70 | 15.70 |

Note: The lead & lift charges are inclusive of 13.615% Contractor Profit and Over Head charges

F. LIFT CHARGES FOR MATERIALS BY HEAD LOAD

| SI No. | Total lift (Total lift includes initial lift) | Earth / Sand /Gravel Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate Rs / cum | Cement / Reinforce - ment steel Str steel Rs / tonne | PCC slab/ Shahbad slab / CC block/ BS slab / Laterite / Wood Rs / cum |
|--------|---|---|--|---|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Total lift up to 3 m (covered by item rate) | Initial lift | Initial lift | Initial lift |
| 2 | For Every 1.00 Lift beyond initial lift of 3 meters | 6.10 | 4.40 | 8.10 |

Note: The lead & lift charges are inclusive of 13.615% Contractor Profit and Over Head charges

HIRE CHARGES

**HIRE CHARGES OF PLANT & MACHINERY
FOR THE YEAR : 2015-16**

| Sl. No | Description of machinery | Unit | Hire charge in Rs | Fuel charge in Rs | Crew Charg e in | Total in Rs |
|-------------------|---|-------------|----------------------------------|----------------------------------|--------------------------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Agitator car / Transit mixer 2 cum | Hour | 758.40 | 862.10 | 266.80 | 1887.30 |
| 2 | Air compressor 5 cmm (electric) | Hour | 108.30 | 274.90 | 155.00 | 538.20 |
| 3 | Air compressor 7 cmm (diesel) | Hour | 241.30 | 705.40 | 198.40 | 1145.10 |
| 4 | Air compressor 7 cmm (electric) | Hour | 131.90 | 366.60 | 155.00 | 653.50 |
| 5 | Air compressor 8.5 cmm (diesel) | Hour | 275.60 | 881.70 | 198.40 | 1355.70 |
| 6 | Air compressor 8.5 cmm (electric) | Hour | 170.80 | 458.20 | 155.00 | 784.00 |
| 7 | Air compressor 15 cmm (electric) | Hour | 138.80 | 1018.30 | 165.40 | 1322.50 |
| 8 | Angle Dozer 90 hp | Hour | 1715.50 | 603.10 | 222.30 | 2540.90 |
| 9 | Batching plant 0.5 cum (6 | Hour | 114.60 | 122.20 | 320.00 | 556.80 |
| 10 | Batching plant 2 x 1.00 cum (15 Cum/hr) | Hour | 405.40 | 366.60 | 320.00 | 1092.00 |
| 11 | Batching plant 2 x 1.50 cum (50 Cum/hr) | Hour | 620.70 | 448.00 | 320.00 | 1388.70 |
| 12 | Bending machine 3000 x 12 mm | Hour | 42.60 | 122.20 | 124.00 | 288.80 |
| 13 | Clamp shell and hoisting ropes | Hour | 5.40 | 0.00 | 0.00 | 5.40 |
| 14 | Concrete bucket 1.5 cum | Hour | 15.80 | 0.00 | 0.00 | 15.80 |
| 15 | Concrete hand mixer 45 / 30 ltr | Hour | 5.50 | 0.00 | 0.00 | 5.50 |
| 16 | Concrete mixer 300 / 200 (diesel) | Hour | 53.50 | 78.40 | 206.70 | 338.60 |
| 17 | Concrete mixer 300 / 200 ltr (electric) | Hour | 51.70 | 40.70 | 206.70 | 299.10 |
| 18 | Concrete mixer 600 / 400 (diesel) | Hour | 92.70 | 156.80 | 206.70 | 456.20 |
| 19 | Concrete mixer 600 / 400 ltr (electric) | Hour | 91.00 | 81.50 | 206.70 | 379.20 |
| 20 | Concrete paver 100 sqm / hr | Hour | 356.50 | 0.00 | 396.90 | 753.40 |
| 21 | Convey mucker | Hour | 822.80 | 283.50 | 165.40 | 1271.70 |
| 22 | Core drilling machine | Hour | 319.00 | 235.10 | 266.80 | 820.90 |
| 23 | Diesel generating set 30 KVA | Hour | 65.80 | 627.00 | 124.00 | 816.80 |
| 24 | Diesel generating set 50 KVA | Hour | 85.10 | 940.50 | 124.00 | 1149.60 |
| 25 | Diesel Loco 45 hp | Hour | 381.60 | 529.00 | 155.00 | 1065.60 |
| 26 | Dewatering pump 5 hp (diesel) | Hour | 10.20 | 78.40 | 104.80 | 193.40 |
| 27 | Dewatering pump 5 hp (electric) | Hour | 3.00 | 40.70 | 78.60 | 122.30 |

Machinery Hire Charges – Common SoR 2015-

| Sl. No | Description of machinery | Unit | Hire charge in Rs | Fuel charge in Rs | Crew Charg e in | Total in Rs |
|-------------------|------------------------------------|-------------|----------------------------------|----------------------------------|--------------------------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 28 | Dewatering pump 10 hp (diesel) | Hour | 15.20 | 156.80 | 104.80 | 276.80 |
| 29 | Dewatering pump 10 hp (electric) | Hour | 6.70 | 81.50 | 78.60 | 166.80 |
| 30 | Dewatering pump 20 hp (diesel) | Hour | 48.30 | 313.50 | 104.80 | 466.60 |
| 31 | Dewatering pump 20 hp (electric | Hour | 12.30 | 162.90 | 78.60 | 253.80 |
| 32 | Drifter | Hour | 322.70 | 0.00 | 333.50 | 656.20 |
| 33 | Drilling jumbo | Hour | 368.40 | 42.30 | 165.40 | 576.10 |
| 34 | Dumper 4.5 cum | Hour | 580.70 | 395.00 | 213.40 | 1189.10 |
| 35 | Geophysical Electric resistivity | Hour | 99.00 | 0.00 | 0.00 | 99.00 |
| 36 | Grouting pump | Hour | 24.90 | 40.70 | 248.00 | 313.60 |
| 37 | Guniting / sand blast equipment | Hour | 110.10 | 0.00 | 206.70 | 316.80 |
| 38 | Ice plant & accessories 30 t / day | Hour | 170.20 | 1160.90 | 124.00 | 1455.10 |
| 39 | Jack hammer | Hour | 19.80 | 0.00 | 310.10 | 329.90 |
| 40 | Needle vibrator 40 mm (petrol) | Hour | 7.60 | 19.00 | 148.80 | 175.40 |
| 41 | Needle vibrator 40 mm (electric) | Hour | 8.00 | 8.10 | 148.80 | 164.90 |
| 42 | Needle vibrator 60 mm (petrol) | Hour | 8.20 | 28.50 | 148.80 | 185.50 |
| 43 | Needle vibrator 60 mm (electric) | Hour | 9.70 | 12.20 | 148.80 | 170.70 |
| 44 | Planing machine 4 m stroke | Hour | 117.80 | 122.20 | 198.40 | 438.40 |
| 45 | Plate shearing machine up to 12 | Hour | 41.90 | 162.90 | 133.40 | 338.20 |
| 46 | Pneumatic placer 0.5 cum | Hour | 171.10 | 0.00 | 81.90 | 253.00 |
| 47 | Pneumatic tamper | Hour | 20.70 | 0.00 | 248.00 | 268.70 |
| 48 | Pug cutting machine | Hour | 6.40 | 4.10 | 0.00 | 10.50 |
| 49 | Pusher leg | Hour | 12.70 | 0.00 | 0.00 | 12.70 |
| 50 | Road roller diesel 10 t | Hour | 197.20 | 705.40 | 198.40 | 1101.00 |
| 51 | Shovel 0.50 cum 75 hp | Hour | 1003.10 | 470.30 | 222.30 | 1695.70 |
| 52 | Shovel 0.85 cum 110 hp | Hour | 1706.60 | 862.10 | 222.30 | 2791.00 |
| 53 | Stationery derrick crane | Hour | 86.10 | 0.00 | 0.00 | 86.10 |
| 54 | Tipper 5 cum | Hour | 446.70 | 296.30 | 166.70 | 909.70 |
| 55 | Tipping tub 1.5 cum | Hour | 64.20 | 0.00 | 0.00 | 64.20 |
| 56 | Tower crane 5 tonne | Hour | 867.10 | 211.80 | 177.80 | 1256.70 |
| 57 | Transformer 250 KVA | Hour | 5041.00 | 0.00 | 0.00 | 5041.00 |
| 58 | Truck 10 t | Hour | 414.10 | 296.30 | 166.70 | 877.10 |
| 59 | Truck mounted derrick crane 5 t | Hour | 519.70 | 296.30 | 166.70 | 982.70 |
| 60 | Upright drilling machine/grinder | Hour | 22.50 | 40.70 | 187.20 | 250.40 |

Machinery Hire Charges – Common SoR 2015-16

| Sl. No | Description of machinery | Unit | Hire charge in Rs | Fuel charge in Rs | Crew Charg e in | Total in Rs |
|-------------------|--|-------------|----------------------------------|----------------------------------|--------------------------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 61 | Ventilation fan 20 hp | Hour | 11.50 | 162.90 | 27.10 | 201.50 |
| 62 | Vibratory pad foot roller 8 t | Hour | 1342.20 | 1018.90 | 248.00 | 2609.10 |
| 63 | Wagon drill | Hour | 188.50 | 0.00 | 266.80 | 455.30 |
| 64 | Water tanker 8000 ltr | Hour | 402.50 | 296.30 | 166.70 | 865.50 |
| 65 | Welding set | Hour | 16.00 | 97.80 | 0.00 | 113.80 |
| 66 | Winch 35 hp (electric) | Hour | 129.40 | 199.60 | 248.00 | 577.00 |
| 67 | Tractor with 2 T roller | Hour | | | | 345.00 |
| 68 | Hydraulic Truck Crane 30T | Hour | 3096.80 | 118.80 | 494.20 | 3709.80 |
| 69 | Hydraulic Truck Crane 16T | Hour | 2278.10 | 75.00 | 494.20 | 2847.30 |
| 70 | Heavy Duty Airless Spray Painting Equipment | Hour | 121.40 | 0.00 | 0.00 | 121.40 |
| 71 | Concrete Placer Pump (25 cum/hr) (Electric) | Hour | 1004.30 | 488.80 | 155.00 | 1648.10 |

PART-II

ROADS & BRIDGE WORKS

INDEX
PART-II
ROAD & BRIDGE WORKS

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PREAMBLE

1.0 AREA ALLOWANCES:

A) CORPORATIONS & MUNICIPALITIES:

- a) (i) 25% extra over the rates on labour component of works is allowed in all Municipal Corporation Limits of Andhra Pradesh except Greater Visakhapatnam Municipal Corporation and Vijayawada Municipal Corporation (Upto a belt of 12 kms from Municipal corporation limits) and other Municipal Corporations as notified by the Government from time to time.
(ii) 40% extra over the rates on labour component of works for Greater Visakhapatnam and Vijayawada Municipal Corporation limits (Upto a belt of 12 kms from Municipal corporation limits)
- b) Allow 20% extra over basic rates on labour component of works in all District Headquarters and the remaining Municipal limits (up to a belt of 12 Kms. from Municipal limits)
- c) For works at Tirumala Hills in Chittoor District, 40% extra over the basic rates of labour component is allowed.
- d) For works at Horsely hills in Chittoor District, 30% extra over the basic rates of labour component is allowed.
- e) For works located inside Tirumala Temple, 20% extra over the basic rate of labour component specified for Tirumala Hills is allowed.
- f) For Works located inside T.T.D Temples of Sri Padmavathi Ammavari Temple,Tiruchanoor, Sri Govindaraja Swamy Temple at Tirupathi, Sri Kapileswara Swamy Temple, Kapilatheertham, Tirupathi and Sri Kalyana Venkateswara Swamy Temple, Srinivasa Mangapuram , 20% extra over the basic rates of labour component for Tirupathi Municipal Corporation is allowed.

B) JAIL COMPOUNDS:

20% extra is allowed over labour rates for the works in the Jail compounds. Only equivalent number of Man Mazdoor shall be provided in the Jail premises and no Women Mazdoor are allowed inside.

C) INDUSTRIAL AREA:

- a. 20% Extra over basic rates on labour component works allowed for works situated within 10 Kms belt of Industrial area of Ibrahimpatnam, Vuyyuru, Jaggaiahpetta in Krishna District, Macherla, Gurajala, Challapalli in Guntur District, Garividi in Vijayanagaram District, Renigunta in Chittoor District, Yerraguntla & Mangampet in Kadapa District, Hindupur, Tadipatri,

Anantapur, Guntakal, Rayalcheruvu, Yadiki of Anantapur District, Adoni, Dhoni, Cement Nagar, Nandyal, Kurnool, Yemmiganur & Bethamcherla of Kurnool District and Anakapally of Vishakhapatnam District.

D) AGENCY / TRIBAL AREAS:

- a) 25% extra allowed for the works located with in the interior Agency / Tribal limits, i.e. for the works located with in & upto 16 KM from any all weather route inside Agency / Tribal.
- b) 40% extra allowed for the works located with in the interior Agency / Tribal limits, i.e. for the works located beyond 16 KM from any all weather route inside Agency / Tribal.

NOTE: 1. No extra percentage is permissible in respect of Forest produce such as Bamboo, Rellu grass and for all materials obtained from outside the Agency / Tribal.

2. The extra percentage under Agency / Tribal areas allowance may be allowed on the labour component and on the labour charges in the rates for conveyance of materials.

3. The extra percentage on cost of materials in Agency / Tribal areas can be allowed on the labour component only, if they are manufactured in the Agency / Tribal areas itself except Forest produce.

E) GHAT ROADS:

For Ghat Roads steeper than 1 in 20, the length of the road may be taken as 1.5 times the existing length of the road for the purpose of leads only for conveyance of materials based on the certificate for the Ghat Road given by the Superintending Engineer concerned.

Note: Under compelling circumstances, the concerned Chief Engineer can adopt the equivalent length of road as 2 ½ times of actual length.

Note for area allowances:

If more than one area allowance (such as those) for (1) Municipalities (2) Agency / Tribal areas (3) Industrial areas are applicable for a particular situation, only the maximum out of the allowable percentages is to be allowed.

2.0 WATER LEADS:

The following labour is allowed for conveyance of water for every $\frac{1}{2}$ Kilometer lead or part there of over the initial lead of $\frac{1}{2}$ kilometer.

- a) Cement concrete : 1.5 Women Mazdoor / Cum.
- b) Masonry : 1.0 Woman Mazdoor/ Cum.
- c) Plastering : 0.5 Woman Mazdoor/ 10 Sq.m

Note:- For Water leads of over 2 KMs, specific approval of Chief Engineer concerned is necessary.

3.0 EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -

I) EXCAVATION OF TRIAL TRENCHES, TRIAL PITS AND EXCAVATION IN RESTRICTED PLACES: -

A. TRIAL TRENCHES:

- 1) Trial trenches of not more than 2 metres in width ...25% extra

B. TRIAL PITS:

- 1) Up to 2 Metres depth ... 25% extra
- 2) 2 Metres to 4 Metres depth ... 50% extra
- 3) 4 Metres to 6 Metres depth ... 75% extra
- 4) 6 Metres to 8 Metres depth ... 100% extra
- 5) 8 Metres to 9 Metres depth ... 150% extra
- 6) More than 9 Metres depth ... 200% extra

II) EXCAVATION IN RESTRICTED PLACES:-

- I) Foundation of Buildings 75% extra
- II) For pipe lines where the depth is less 75% extra
than 1.5 times the width

- III) For pipe lines where the depth is ... 120% extra
1.5 times or more than the width
- IV) Silt removal in restricted areas such ... 120% extra
U. T's., Culverts and Syphons.
- V) Excavation of field channels ... *Deleted*
- VI) For narrow trenches not more than
2 meters in width and depth not less
than twice the width and for excavation ... 75% extra
of road boundary drains, model sections
of canals.
- VII) High berm cutting of not more than ... 50% extra
150 mm average thickness and
Sectioning for roads

Note: 1) The extra percentage is allowed over rate for corresponding soil. It includes the charges for all lifts and initial lead but does not include dewatering charges if any in respect of all the items under (A) and (B) above.

2) The above extra percentages in respect of excavation in hard rock for restricted places are to be allowed for (2/3) rd of the cost and shall not to be allowed in respect of items involving blasting component which may be taken as 1/3 of the cost.

4.0 Proportion of First class and 2nd class workmen under Skilled Labour:

30% of the skilled labour provided in the data may be taken as 1st Class and the remaining 70% as 2nd Class.

5.0 Revetment and apron works:

- I) The size of stone for the volume range (0.015 to 0.030 Cum) shall not be less than (0.30 X 0.30 X 0.15 to 0.30 X 0.225 X 0.225m)
- II) The size of stone for the volume range (0.011 to 0.015 Cum) shall not be less than (0.30 X 0.225 X 0.15 to 0.225 X 0.225 X 0.225 m)
- III) The rate of labour component as per the standard data book is to be adopted for revetment work only. However for apron work Rs. 3.00 per cum. should be deducted.
- IV) For the labour for the "Rock Toe" shall be taken as 2/3rd of the labour charges of revetment as Chief Engineer, Circular No. P3/ OT2/ T3/ 65167/78, Dt: 19.03.1980.

6.0 Deep cuts:

Deep cuts are defined as reaches of canal where excavation in all soils is for a depth of excavation 6m and more. The following increase over normal rates is permitted in deep cuts on a graded basis.

- | | | | |
|------|--|---|-----------|
| I) | Up to 6 m excavation: The S. S. R. of corresponding classification of earth work excavation is applicable. | | |
| II) | Beyond 6 m and up to 9 m excavation | - | 9% extra |
| III) | Beyond 9 m and up to 12 m excavation | - | 12% extra |
| IV) | Beyond 12 m and up to 16 m excavation | - | 15% extra |
| V) | Beyond 16 m and up to 30 m excavation | - | 20% extra |
| VI) | Beyond 30 m excavation | - | 40% extra |

NOTE : 1) The extra percentage is only on basic rate. 2) The above percentage are not applicable for "**LEADS & LIFTS**". 3) The above extra percentages are to be allowed only on items excluding the blasting component which may be taken as 1/3 of the rate.

7.0 The conveyance of bitumen for bulk and packed may be admitted as follows:

- Packed --- Rs. 1.75 per Km/ MT
Bulk --- Rs. 1.50 per Km/ MT (round the trip)

8.0 SEIGNIORAGE CHARGES:

Seigniorage charges for materials as fixed by the Government in G.O.Ms.No.198 (Industries and commerce department) Dt. 13.08.2009 may be added in the data of rates in the estimate. The Provision towards Contractor's Profit and Overhead charges **should not be operated** on the Seigniorage Charges while adding Seigniorage Charges to the data in the estimate. In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted.

LABOUR RATES

| Si. No | S.S. Item No. | Description | Unit (Per) | S o Rate for 2015-16 in Rs. | Remarks |
|-------------------|------------------------------|--|----------------------------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | (A) SKILLED WORKMEN | | | |
| | | First Class | | | |
| 1 | a | Mason and stone cutter | Day | 420 | As per WR Dept. (S.No.39) |
| 2 | b | Brick Layer | Day | 420 | As per WR Dept. (S.No.11) |
| 3 | c | Carpenter | Day | 420 | As per WR Dept. (S.No.4) |
| 4 | d | Painter | Day | 480 | As per WR Dept. (S.No.35) |
| 5 | e | Plumber | Day | 480 | As per WR Dept. (S.No.36) |
| 6 | f | Welder | Day | 420 | As per WR Dept. (S.No.41) |
| 7 | g | Fitter | Day | 420 | As per WR Dept. (S.No.6) |
| 8 | h | Electrician | Day | 480 | As per WR Dept. (S.No.5) |
| 9 | 1 | Cook | Day | 400 | As per WR Dept. (S.No.2) Other Category |
| 10 | 2 | Mechanic | Day | 420 | As per WR Dept. (S.No.12) |
| 11 | 3 | Rigger | Day | 420 | |
| 12 | 4 | Rigger Syrang | Day | 420 | |
| 13 | 5 | Well Sinker | Day | 420 | |
| 14 | 6 | Blaster | Day | 480 | As per WR Dept. (S.No.3) |
| 15 | 3 | Bar bender | Day | 490 | As per WR Dept. (S.No.1) |
| 16 | 7 | Tipper and Heavy Vehicle Driver above 12 T | Day | 480 | As per WR Dept. (S.No.15) |
| 17 | | Tanker and medium Vehicle driver (7.5 T to 12 T) | Day | 420 | |
| 18 | | Tanker and Light Vehicle driver up to 7.5 T | Day | 320 | |
| 19 | | Wagon Drill Operator upto 7.5 T | Day | 420 | |
| 20 | 8 | Lorry and Heavy Vehicle Driver above 12 T | Day | 460 | |
| 21 | | Road Roller Driver (7.5 T to 12 T) | Day | 420 | As per WR Dept. (S.No.27) |
| 22 | | Road Roller Driver 7.5 T | Day | Deleted | |
| 23 | 9 | Tractor Driver above 12 T | Day | Deleted | |
| 24 | | Tractor Driver (7.5 T to 12 T) | Day | Deleted | |
| 25 | | Tractor Driver 7.5 T | Day | 320 | |
| | | <u>Operator</u> | | | |
| 26 | 10 | Pan Mixer | Day | 420 | |
| 27 | | Concrete Mixer | Day | 420 | As per WR Dept. (S.No.16) |

| Si. No | S.S. Item No. | Description | Unit (Per) | S o Rate for 2015-16 in Rs. | Remarks |
|-------------------|------------------------------|---|----------------------------|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 28 | | Vibrator | Day | 420 | As per WR Dept. (S.No.32) |
| 29 | | Composer | Day | 420 | |
| 30 | | Jack Hammer | Day | 420 | As per WR Dept. (S.No.23) |
| 31 | | Driller | Day | 480 | As per WR Dept. (S.No.34) |
| 32 | | Boring Maistry | Day | 420 | |
| 33 | 11 | Pump operator | Day | 420 | As per WR Dept. (S.No.24) |
| 34 | 12 | Turner Grade-I | Day | 420 | |
| 35 | 13 | Wireless Operator | Day | 480 | As per WR Dept. (S.No.12) Other Category |
| 36 | 14 | Assistant Wireless Operator | Day | 375 | |
| 37 | 15 | Jeep Driver | Day | 480 | As per WR Dept. (S.No.15) Other Category |
| 38 | 16 | Work Inspector with I.T.I qualification | Day | 495 | As per WR Dept. (S.No.9) Other Category |
| 39 | 17 | Work Inspector with LCE, LME,L.E.E qualification | Day | 600 | As per WR Dept. (S.No.4) Other Category |
| 40 | 18 | Work Inspector with B.E (Civil, Mechanical and Electrical) qualification | Day | 800 | As per WR Dept. (S.No.7) Other Category |
| 41 | 19 | Work Inspector with Non-technical qualification SSLC/SSC/HSC | Day | 400 | As per WR Dept. (S.No.10) |
| 42 | 20 | Mason Spl. Grade for Mossaic and Polished shahabad stone floor | Day | 420 | |
| 43 | 21 a(i) | Typist / Job Typist | Day | 480 | As per WR Dept. (S.No.13) Other Category |
| | a (ii) | Computer operator | Day | 535 | As per WR Dept. (S.No.11) Other Category |
| | b | CAD Operator with Diploma in Engineering /General degree with CAD certificate | Day | 650 | As per WR Dept. (S.No.14) Other Category |
| | | (B) SEMI –SKILLED WORKMEN | | | |
| | | SECOND CLASS | | | |
| 44 | a | Mason | Day | 375 | As per WR Dept. (S.No.35) Semi-Skilled |
| 45 | b | Brick Layer and Stone Cutter | Day | 375 | As per WR Dept. (S.No.35) Semi-Skilled |
| 46 | c | Carpenter | Day | 375 | As per WR Dept. (S.No.4) Semi-Skilled |
| 47 | d | Painter | Day | 375 | As per WR Dept. (S.No.37) |

| | | | | | Semi-Skilled |
|-----------|---------------------|---------------------------------|---------------|-----------------------------------|--|
| Sl.n o | S.S. Item No. | Description | Unit (Per) | S o Rate for 2015-16 in Rs. | Remarks |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 48 | e | Plumber | Day | deleted | |
| 49 | f | Blacksmith | Day | 420 | (Skilled) |
| 50 | g | Welder | Day | 375 | |
| 51 | h | Fitter | Day | 375 | |
| 52 | i | Electrician | Day | 375 | |
| 53 | 2 | Caulker | Day | 375 | |
| 54 | 4 | Tinker | Day | 375 | |
| 55 | 5 | Sawyer | Day | 375 | |
| 56 | 6 | Brick-Moulder | Day | 375 | |
| 57 | 7 | Pot-tile turner | Day | 375 | |
| 58 | 8 | Pan-tile turner | Day | 375 | |
| 59 | 9 | Brick and Lime Kiln man/Glazzer | Day | 375 | |
| 60 | 10 | Telephone Operator | Day | 480 | As per WR Dept. (S.No.12) Other Category |
| 61 | 11 | Hand Driller | Day | 375 | |
| 62 | 12 | Quarry Man | Day | 375 | |
| 63 | 13 | Hammer Man | Day | 375 | As per WR Dept. (S.No.40) Semi-skilled |
| 64 | 14 | Thatcher | Day | 375 | |
| 65 | 15 | Fireman | Day | 375 | |
| 66 | 16 | Cleaner/Helper | Day | 375 | |
| 67 | 17 | Stone Packer | Day | 375 | |
| 68 | 18 | Jawali | Day | 375 | |
| 69 | 19 | Ex-Service man/Goorkha watchman | Day | 375 | |
| 70 | 20 | Ratton Worker | Day | 375 | |
| 71 | 21 | Mate | Day | 375 | |
| 72 | 1 | Head Mazdoor (Mukaddar) | Day | 375 | As per WR Dept. (S.No.10) Semi-Skilled |

(C) UNSKILLED WORKMEN

| | | | | | |
|----|-------|--|-----|-----|---|
| 73 | 2 | Man Mazdoor | Day | 320 | As per WR Dept. (S.No.3) Un-Skilled |
| 74 | 3 | Watch Man | Day | 320 | As per WR Dept. (S.No.5) Un-Skilled |
| 75 | 5 | Woman Mazdoor | Day | 320 | As per WR Dept. (S.No.4) Un-Skilled |
| 76 | 6 (b) | Helper/Cleaners/Sweepers/Scavangers/C houkidars/Security Guards/Office Boys | Day | 320 | |

| | | | | | | |
|----|--|--|-----|--|--|--|
| 77 | Note : Whenever unskilled workmen are engaged for cleaning of Sewers & Septic Tanks, they may be paid double the above wages. | | | | | |
| | (D) OTHER CONVEYANCE ITEMS | | | S o Rate for 2015-16 in Rs. | Remarks | |
| 1 | 2 | 3 | 4 | 5 | 6 | |
| 78 | 1 | Single bullock with driver and cart | Day | 415 | As per WR Dept. (S.No.6) Semi-Skilled | |
| 79 | 2 | Bullock pair with driver | Day | 435 | | |
| 80 | 3 | Bullock pair with driver and cart | Day | 440 | As per WR Dept. (S.No.5) Semi Skilled | |
| 81 | 4 | Bullock pair with driver and cart with pneumatic tyres | Day | 470 | | |
| 82 | 5 | Bullock pair driver and kapila | Day | Deleted | | |
| 83 | 6 | Nava with crew | Day | 390 | As per WR Dept. (S.No.3) Semi Skilled | |
| 84 | 7 | Punt thundal | Day | 305 | | |
| 85 | 8 | Punt lascar | Day | 305 | | |
| | Note: | 1) The wage should not be less than the minimum wages of schedule of employment, subject to out turn. | | | | |
| | | 2) 25% extra over the corresponding labour rates in respect of the work to be done during night time subject to issue of certificate accordingly by the concerned estimate sanctioning authority for providing in the data and by the concerned Executive Engineer in charge of the work for payment. The night time allowance is applicable only to the works done under Greater Visakhapatnam Municipal Corporation and Vijayawada Municipal Corporation only. | | | | |

MATERIAL & WORK ITEM RATES

RATES OF MATERIALS & WORK ITEMS

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|--|------------|-----------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | (A) STONE AND ROAD MATERIALS | | | |
| | | ROUGH STONE QUARRIED INCLUDING WEDGING, BREAKING, BURNING, SPLITTING. | | | |
| 1 | 22.a | For R.R Masonry Work (other than Granite, Dolomite and Trap) | 1 cum | 180 | |
| 2 | b.i | For SS Revetment work 225 mm | 1 cum | 144 | As per WR Dept. (S.No.3) of Miscellaneous items Material other than covered under irrigation |
| 3 | b.ii | For SS Revetment work 300 mm | 1 cum | 164 | As per WR Dept. (M 003 of Material) Material other than covered under irrigation items |
| 4 | b.iii | For SS Revetment work 450 mm | 1 cum | 156 | |
| 5 | c | Jeddy Stone above 450 mm to 600 mm | 1 cum | 206 | |
| 6 | d i | Laterite for revetment 225 mm | 1 cum | 136 | |
| 7 | d ii | Laterite for revetment 300 mm | 1 cum | 159 | |
| 8 | d iii | Granite for SS revetment 225 mm | 1 cum | 177 | |
| 9 | d iv | Granite for SS revetment 300 mm | 1 cum | 172 | |
| | | Note:- Only when other granite is not available | | | |
| 10 | e | Laterite for masonry | 1 cum | 156 | |
| 11 | f | Cyclopean stones above 0.2 cum | 1 cum | 292 | |
| 12 | g | For R.R.Masonry works (granite, dolomite and trap variety) | 1 cum | 252 | As per WR Dept. (M 148 of Material) Material other than covered under irrigation items |
| 13 | | NOTE:- For items 22(a) to 22(g) add extra Rs /cum, wherever quarrying is done by blasting | 1 cum | | |
| | | COURSED RUBBLE STONE QUARRYING WEDGING, BREAKING, BURNING AND SPLITTING FOR SS FIRST SORT WORKS | | | |
| 14 | 23.a | Granite, Dolomite and trap | 1 cum | 288 | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 15 | 23.b | For other varieties | 1 cum | 207 | |
| 16 | 27 | Granite stone slabs for culverts, lintels and copings (3 faces dressed coarsened rubble masonry) | 1 cum | 1901 | |
| 17 | | NOTE: - For items 23(a), 23(b) and 27 add extra Rs. Per Cum, wherever quarrying is done by blasting | 1 cum | 82 | |
| 18 | 28.a | Bond stones (600 x 200 x 200 mm) | each | 50 | |
| 19 | b | Chainage stones and Centre line stones (750x150x150 mm) | each | 50 | |
| 20 | 31 | Demarcation Stones (900 x 150 x 150 mm) | each | 90 | |
| 21 | 32.a | Guard Stones (1200 x 200 x 200 mm) | each | 152 | |
| 22 | B | Guide Stones (800 x 150 x150 mm) | each | 102 | |
| 23 | C | Carving letters and figures in stone up to 100 mm size | each | 10 | |
| 24 | D | Carving letters and figures in stone above 100 mm size | each | 11 | |
| | | HARD BROKEN STONE OF GRANITE, TRAP AND DOLERITE FREE FROM DUST OBTAINED BY QUARRYING, WEDGING, BREAKING, BURNING AND SPLITTING | | | |
| 25 | 33.a | - do - 6mm size (SS 5) | 1 cum | 532 | As per WR Dept. (M 050 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%) |
| 26 | b | - do - 10mm size (SS 5) | 1 cum | 692 | As per WR Dept. (M 051 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%) |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|-------------------------|------------|-----------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 27 | c | - do - 12mm size (SS 5) | 1 cum | 822 | As per WR Dept. (M 052 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%) |
| 28 | d | - do - 20mm size (SS 5) | 1 cum | 1036 | As per WR Dept. (M 053 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%) |
| 29 | e | - do - 25mm size (SS 5) | 1 cum | 994 | As per WR Dept. (M 054 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%) |
| 30 | f | - do - 40mm size (SS 5) | 1 cum | 620 | As per WR Dept. (M 055 of Material) (excluding blasting charges of Rs.70/- and Machine crushing charges of 25%) |
| 31 | g | - do - 50mm size (SS 5) | 1 cum | 456 | |
| 32 | h | - do - 60mm size (SS 5) | 1 cum | 419 | |
| 33 | i | - do - 65mm size (SS 5) | 1 cum | 379 | |
| 34 | j | - do - 75mm size (SS 5) | 1 cum | 304 | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 35 | k | - do - 75 to 100mm size (SS 5) | 1 cum | 248 | |
| 36 | | NOTE:- (1) Add extra Rs. /- per cum for items 33 (a) to 33 (k) if the metal is obtained by blasting | 1 cum | 70 | |
| 37 | | (2) Add 25% extra per cum if the metal is obtained by machine crushing excluding cost of blasting. | 1 cum | 25% | |
| 38 | | (3) Deduct Rs. /- per cum if the metal or rubble is obtained from surface stone and boulders. | 1 cum | 9.9 | |
| 39 | | (4) Add Rs. /- per cum for selection of stones and boulders from excavated spoil dumps for items 33 a to 33 k, when this addition of Rs. /- per Cum is allowed, deduction of Rs. /- per Cum mentioned under Note (3) above should invariably be made. | 1 cum | 17 | |
| | | SOFT BROKEN STONE SCREENED AND FREE FROM DUST | | | |
| 40 | 33.l | - do - 40 mm size (SS 5) | 1 Cum | 123 | |
| 41 | 33.m | - do - 50 mm size (SS 5) | 1 Cum | 111 | |
| 42 | 33.n | - do - 60 mm size (SS 5) | 1 Cum | 87 | |
| 43 | 33.o | - do - 65 mm size (SS 5) | 1 Cum | 78 | |
| 44 | 33.p | - do - 75 mm size (SS 5) | 1 Cum | 73 | |
| | | HARD BROKEN STONE OF GRANITE TRAP DOLERITE AND DOLAMITE FREE FROM DUST OBTAINED BY QUARRYING WEDGING, BREAKING, BURNING AND SPLITTING (QUARTZITE AND BASALT WITH AGGREGATE IMPACT OF LESS THAN 20) | | | |
| 45 | 33a | -do- 2.36 to 5 mm size (IRC&MORTH) | 1 cum | 308 | |
| 46 | b | -do- 5 to 7mm size (IRC&MORTH) | 1 cum | 504 | |
| 47 | c | -do- 9.5 to 11.2mm size (IRC&MORTH) | 1 cum | 656 | |
| 48 | d | -do- 12mm to 14 mm size (IRC and MORTH) | 1 cum | 780 | |
| 49 | e | -do- 19 mm to 22 mm size (IRC and MORTH) | 1 cum | 984 | |
| 50 | f | -do- 25 mm to 27 mm size (IRC and MORTH) | 1 cum | 944 | |
| 51 | g | -do- 40 mm to 45 mm size (IRC and MORTH) | 1 cum | 588 | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|-------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 52 | h | -do- 50 mm to 55 mm size (IRC and MORTH) | 1 cum | 456 | |
| 53 | i | -do- 60 mm to 63 mm size (IRC and MORTH) | 1 cum | 419 | |
| 54 | j | -do- 65 mm size (IRC and MORTH) | 1 cum | 379 | |
| 55 | k | -do- 75 mm size (IRC and MORTH) | 1 cum | 304 | |
| 56 | l | NOTE:- Add extra Rs. /- per cum for items 33 (a) to 33 (j) if the metal is obtained by blasting | 1 cum | 70 | As proposed by WR Dept. |
| 57 | 2 | Add 25% extra per cum if the metal is obtained by machine crushing excluding cost of blasting. | 1 cum | 25% | As proposed by WR Dept. |
| 58 | 3 | Deduct Rs. /- per cum if the metal or rubble is obtained from surface stones and boulders | 1 cum | 9.9 | |
| 59 | 4 | Add Rs. /- per cum for selection of stones and boulders from excavated soil dumps for items 33 (a) to 33 (k), when this addition of Rs. /- per cum allowed deduction of Rs. /- per cum mentioned under note (3) above should invariably be made | 1 cum | 17 9.9 | |
| | | HARD BROKEN STONE OTHER THAN GRANITE SUCH AS QUARTZ, QUARTZ-NAPA AND BASALT SCREENED AND FREE FROM DUST | | | |
| 60 | 33.q | - do - 10 mm size (SS 5) | 1 Cum | 386 | |
| 61 | | -do- 9.5 mm to 11.2 mm size (IRC and MORTH) | 1 Cum | 386 | |
| 62 | r | - do - 12 mm size (SS 5) | 1 Cum | 362 | |
| 63 | | -do- 12mm to 14 mm size (IRC and MORTH) | 1 Cum | 362 | |
| 64 | S | - do - 20 mm size (SS 5) | 1 Cum | 293 | |
| 65 | | -do- 19 mm to 22 mm size (IRC and MORTH) | 1 Cum | 293 | |
| 66 | T | - do - 25 mm size (SS 5) | 1 Cum | 287 | |
| 67 | U | - do - 40 mm size (SS 5) | 1 Cum | 170 | |
| 68 | | -do- 40 mm to 45 mm size (IRC and MORTH) | 1 Cum | 170 | |
| 69 | V | - do - 50 mm size (SS 5) | 1 Cum | 150 | |
| 70 | | -do- 50 mm to 55 mm size (IRC and MORTH) | 1 Cum | 150 | |
| 71 | 33.w | - do - 65 mm size (SS 5) | 1 Cum | 142 | |
| 72 | | -do- 60 mm to 65 mm size (IRC and MORTH) | 1 Cum | 142 | |
| 73 | X | - do - 75 mm size (SS 5) | 1 Cum | 117 | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 74 | | - do - 75 mm size (IRC & MORTH) | 1 Cum | 117 | |
| 75 | Y | - do - 75 to 100 mm size (SS 5) | 1 Cum | 92 | |
| 76 | | - do - 75 to 100 mm (IRC & MORTH) | 1 Cum | 92 | |
| OTHER ITEMS | | | | | |
| 77 | 33.z1 | Laterite 40 to 75 mm (ring) | 1 Cum | 101 | |
| 78 | z2 | kankar, hard broken kankar 40 to 75 mm (ring) | 1 Cum | 75 | |
| 79 | z3 | Soling stone of 150 mm size of granite, trap and Dolomite varieties. | 1 Cum | 95 | |
| 80 | | NOTE:- (1) Add extra for items to 33(z3) Rs /- Per cum, wherever quarrying is done by blasting. (2) Wherever controlled blasting is resorted to the Chief Engineer concerned shall approve the observed data in support of SS item No. 22 a to 22 c , 22g, 23 | 1 Cum | 70 | As proposed by WR Dept. |
| 81 | z4 | Soling stone of 150 mm size other than granite variety | 1 Cum | 76 | |
| 82 | z5 | Soling Stone laterite, Kankar 150mm, surface stone | 1 Cum | 47 | |
| 83 | z6 | Field picked metal unbroken 20 mm size | 1 Cum | 61 | |
| 84 | z7 | - do - 25 mm size | 1 Cum | 46 | |
| 85 | z8 | - do - 40 mm size | 1 Cum | 53 | |
| 86 | z9 | - do - 50 mm size | 1 Cum | 46 | |
| 87 | z10 | - do - 60 mm size | 1 Cum | 40 | |
| 88 | z11 | - do - 80 mm size | 1 Cum | 35 | |
| 89 | | NOTE:- Add Rs. /- Per Cum for selection of stone and boulders from excavated spoil dumps for items 33 (Q) TO 33 Z , when this addition of Rs. /- per Cum is allowed, deduction of Rs. /- per Cum should invariably be made towards the metal or rubble if it is obtained from surface stone and boulders. | | 17 | |
| 90 | 34 | Gravel | 1 Cum | 103 | As per WR Dept. (M 008 of Material) |
| 91 | 35 a | Quarry rubbish | 1 Cum | 89 | |
| 92 | B | HBG Stone Chips 2.36mm and below | 1 Cum | 350 | As per WR Dept. (Sl.No.67 of Material) |
| 93 | 36.a | Fine aggregate / Sand (un-screened) for Concrete & Filtering items) (excluding Seigniorage charges) | 1 Cum | 610 | As per WR Dept. (Sl. No. 27 of Material) |
| 94 | b. | Fine aggregate / Sand (unscreened) for filling (excluding Seigniorage charges) | 1 cum | 460 | |
| 95 | c | Fine aggregate / Sand (screened) for Mortar, Plastering items and Sand blasting items (excluding Seigniorage | 1 Cum | 677 | As per WR Dept. (Sl. No. |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|--|---------------|---|------------|--|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | charges) (Rs. 67 is added towards screening charges) | | | 28 of of Material) |
| 96 | 37 | Clay for puddle and masonry Items 38 (a) to 39 (h) As per local prevailing rates based on competitive quotations. | 1 Cum | 38 | |
| | | (C) LIME AND CEMENT | | | |
| 97 | 40 to 41(c) | | | As per local prevailing rates based on competitive rates | |
| 98 | 42 | Cement excluding cost of empty cement bags | 1 MT | Monthly rates will be communicated by Govt | |
| NOTE: (1) The rates are inclusive of sales tax. 2)As per the rates applicable to the District. 3) Least of the (1) and (2) above may be allowed 4) The price of cement will be reviewed and fixed on monthly basis and rates will be communicated separately. | | | | | |
| 99 | C | Grinding lime mortar or Surkhi mortar | 1 Cum | 100 | |
| 100 | D | Shell lime slaked and screened | 1 Cum | 987 | |
| 101 | E | White cement | 1 Kg. | 36 | |
| 102 | | (D) MORTARS | | | |
| 103 | 43 to 45 | Items 43 to 45 | | | |
| | | (E) METAL AND IRON WORKS | | | |
| 104 | | Mild steel rods 6mm dia. | 1 MT | Monthly rates communicated by Govt | |
| 105 | | Mild steel flats | 1 MT | | |
| 106 | | Mild Steel, Structural Steel, I.e., Angles, Channels and I sections. | 1 MT | | |
| 107 | | High Yield Strength Deformed Bars/TMT bars | 1 MT | | |
| 108 | | Mild steel plates | 1 MT | | |
| | | NOTE: (1) The rates are inclusive of sales tax. 2)As per the rates applicable to the District. 3) Least of the (1) and (2) above may allowed 4) The prices of steel will be reviewed and fixed on monthly basis and rates will be communicated separately. | | | |
| | | III RATES OF WORKS | | | |
| | | (A) CLEARING SITE | | | |
| 109 | 1.a | Clearing heavy Jungle | 1 Sqm | 3.20 | |
| 110 | b | Clearing light Jungle | 1 Sqm | 2.80 | |
| 111 | c | Clearing Scrub Jungle | 1 Sqm | 2.80 | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 112 | d | Clearing Juliflora (Prosafis) jungle including up-rooting and removing of Juliflora stumps. | 1 Sqm | 4.40 | |
| 113 | 2.a. 1 | Cutting and removing Palmyrah trees including stacking of girth 30 to 100 cm. | Each | 21 | |
| 114 | a.2 | - do - 100 to 200 cm. | Each | 48 | |
| 115 | 2.b. 1 | Uprooting and removing Palmyrah stumps including stacking of girth 30 to 100 cm. | Each | 51 | |
| 116 | b.2 | - do - 100 to 200 cm. | Each | 53 | |
| 117 | 2.c.1 | Cutting and removing date trees including stacking of girth 30 to 100 cm | Each | 26 | |
| 118 | c.2 | - do - 100 to 200 cm | Each | 39 | |
| 119 | 2.d. 1 | Uprooting and removing stumps of date trees including stacking of girth 30 to 100 cm. | Each | 26 | |
| 120 | d.2 | - do - 100 to 200 cm | Each | 33 | |
| 121 | 2.e. 1 | Cutting and removing other kind of trees including stacking of girth 30 to 100 cm | Each | 33 | |
| 122 | e.2 | - do - 100 to 200 cm | Each | 51 | |
| 123 | e.3 | - do - above 200 cm | Each | 83 | |
| 124 | 2.f.1 | Uprooting and removing stumps of other kind of trees including stacking of girth 30 to 100 cm. | Each | 26 | |
| 125 | f.2 | - do - 100 to 200 cm | Each | 36 | |
| 126 | f.3 | - do - above 200 cm | Each | 45 | |
| 127 | 3.a | Uprooting and clearing prickly pear jungle | 1 Sqm | 2.50 | |
| 128 | b | - do - under 2.5 meters height including burning and burrying as directed. | 1 Sqm | 3.30 | |
| 129 | c | - do - over 2.5 meters height including burning and burrying with an initial lead of conveyance | 1 Sqm | 3.90 | |
| 130 | 4.a | Removing of natchu, goobi, thooti etc., from drains, channels including clearance if not more than 1 metre depth of water with an initial lead of 10 metres and lift of 2 metres. | 1 Sqm | 2.10 | |
| 131 | b.i | Clearing alchi, tilla | 1 Sq.m | 4.20 | |
| 132 | b.ii | Removal of Jammu | 1 Sq.m | 3.60 | |
| 133 | c.i | Removal of imponea, cornea | 1 Sq.m | 4.00 | |
| 134 | c.ii | Removal of water hyacinth upto 30 cm thick. | 1 Sqm | 4.10 | |
| 135 | c.iii | - do - more than 30 cm thick | 1 Sq.m | 5.50 | |
| 136 | d | Removal of natchu, goobi, thooti etc., for every extra lead or lift over the initial lead or lift. | 1 Sqm | 1.50 | |
| | | (B) DISMANTLING | | | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | 5 | DISMANTLING, CLEARING AWAY MATERIALS USEFUL FOR REUSE. | | | |
| 137 | a.i | Dry rough stone revetment for aprons and stacking within 40 metres | 1 cum | 65.60 | |
| | 7 | Drilling holes in hard granite or sheet rock | | | |
| | a) | Manually (Hand) | | | |
| 138 | i) | 20 mm dia meter | 1 RM | 136 | |
| 139 | ii) | 25 mm dia meter | 1 RM | 144 | |
| 140 | iii) | 36 mm dia meter | 1 RM | 166 | |
| 141 | b) | Pneumatic Compressor | | | |
| 142 | i) | 20 mm dia meter | 1 RM | 154 | |
| 143 | ii) | 25 mm dia meter | 1 RM | 167 | |
| 144 | iii) | 36 mm dia meter | 1 RM | 182 | |
| | 8 | Grouting the holes with neat cement slurry excluding cost of steel | | | |
| 145 | i) | 20 mm dia meter | 1 RM | 97 | |
| 146 | ii) | 25 mm dia meter | 1 RM | 122 | |
| 147 | iii) | 36 mm dia meter | 1 RM | 152 | |
| | | White Washing and Painting works | | | |
| 148 | A | White washing and colour banding for guard and guide stones including cost of materials | each | 10 | |
| 149 | B 1 | Screening sand and gravel | 1 cum | 10.50 | |
| 150 | B 2 | Screening chips and metal | 1 cum | 17.60 | |
| 151 | C | Removing and refixing Hectometre or Demarcation stones | each | 12.65 | |
| | | (S) ROAD WORK ITEMS | | | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|-----------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | PICKING OLD METALLED SURFACE TO DEPTH OF 40 TO 100 mm SPREADING OLD METAL AND NEW METAL SECTIONING INCLUDING EDGEBUNDs AND SUBGRADE ROLLING, SPREADING METAL INCLUDING BLINDAGE OFGRAVEL WATERING WITH AN INITIAL LEAD OF 2 HECTOMETERS AND HAND ROLLER (1.5 TO 2 TONNES) ROLLING ETC., INCLUDING BARRICADING, DIVERSION OF TRAFFIC AND WETTING THE NEW CONSOLIDATION FOR A FORTNIGHT COMPLETE | | | |
| | | (For a compact thickness) | | | |
| | 1 (i) | HARD METAL | | | |
| 152 | A | 40 mm thickness | 10 sqm | 70 | |
| 153 | B | 50 mm thickness | 10 sqm | 74 | |
| 154 | C | 75 mm thickness | 10 sqm | 80.30 | |
| 155 | D | 100 mm thickness | 10 sqm | 87 | |
| 156 | 1 (ii) | (For compact thickness of soft metal) | | | |
| 157 | A | 50 mm thickness | 10 sqm | 53.80 | |
| 158 | B | 75 mm thickness | 10 sqm | 63.90 | |
| 159 | C | 100 mm thickness | 10 sqm | 70.10 | |
| | 5 | Picking old metalled surface to a depth of 40 to 100 mm and spreading metal including watering with an initial lead of 2 Hectometers and rolling with power rollers watering and spreading gravel for blindage and power roller rolling including hire charges of power roller(8 to 10 T) barricading and diversion of traffic and wetting the new consolidation for a fortnight(for compacted thickness of) | | | |
| | | HARD METAL | | | |
| 160 | 5 (a) | 40 mm thick ness | 10 sqm | 185 | |
| 161 | (b) | 50 mm thick ness | 10 sqm | 210 | |
| 162 | (c) | 75 mm thick ness | 10 sqm | 231 | |
| 163 | (d) | 100 mm thick ness | 10 sqm | 248.80 | |
| 164 | (e) | 150 mm thick excluding hire charges | 10 sqm | 445.40 | |

| RATES OF MATERIALS & WORK ITEMS SSI No. | S.S. Item No. | Description | Unit (per) | S o Rate for 2015-16 in Rs. | Remarks |
|---|---------------|---|------------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 165 | | Gelatin(For MORTH data, for works of state & national high ways only) | Per Kg | 73 | As per WR Dept. (M 104 of Material) other than covered under irrigation |
| 166 | | Electric Detonators(For MORTH data, for works of state & national high ways only) | each | 13 | As per WR Dept. (Si. No. 21 of Materials of WR Dept.) |
| 167 | | Hot applied thermoplastic compound(For MORTH data, for works of State & National high ways only) | Per litre | Rate as per local competitive quotations | As per WR Dept. (M 118 of Material other than covered under Irrigation Items |
| 168 | | Reflectionising glass beads of 2 mm thick(For MORTH data, for works of State & National high ways only) | Per Kg | | deleted |
| 169 | | Road marking paint confirming to IS 164(For MORTH data, for works of State & National high ways only) | Per Kg | 196 | |
| 170 | n | Labour charges for laying filters with coarse aggregate. | 1 cum | 55.30 | |
| 171 | o | Labour charges for laying filter with sand. | 1 cum | 30.70 | |
| 172 | | Fly Ash | 1 cum | | deleted |
| 173 | | Binding Wire | 1 Kg | 70.00 | As per WR Dept. (M 072 of Material) other than covered under irrigation items |
| 174 | | Jute rope | Mtr | 8.75 | |
| 175 | | De bonding strips | Mtr | 11.00 | |
| 176 | | Selent | Ltr | 69.50 | |
| 177 | | Poly sheet 125 microns | 1 sqm | 18.00 | |
| 178 | | Rural water rate | 1 kl | 77.00 | |

HIRE CHARGES OF PLANT AND MACHINERY

**HIRE CHARGES OF PLANT & MACHNIERY FOR
ROAD & BRIDGE WORKS FOR THE YEAR 2015-16**

| Sl. No. | Description | | Unit | S o Rate for 2015-16 in Rs. | Remarks |
|------------|--------------------------------------|--|----------|--|------------------------------|
| | Machine | Activity | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Dozer(D 80) | Spreading | Per Hour | 2540.90 | As per WR Dept. (S.No.8) |
| | | Cutting | | | |
| | | Cleaning | | | |
| 2 | Dozer (D50) | Spreading Cutting Cleaning | Per hour | 1649 | |
| 3 | Mortor Grader | Clearing | Per Hour | 3220 | |
| | | Spreading | | | |
| | | GSB | | | |
| | | WMM | | | |
| 4 | Hydraulic Excavator | Soil Ordinary | Per Hour | 2791 | As per WR Dept. (S.No.52) |
| | | Soil Marshy | | | |
| | | Soil unsuitable | | | |
| 5 | Front end loader | Soil loading | Per Hour | 1650 | |
| | | Aggregate loading | Per Hour | | |
| 6 | Tipper- 5.5 Cum | Transportation of soil, GSB,WMM, Hot mix etc | Per Hour | 909.70 | As per WR Dept. (S.No.54) |
| 7 | Vibratory roller 8 tonne | Earth/Soil, GSB, | Per Hour | 2609.10 | As per WR Dept. (S.No.62) |
| | | WMM | | | |
| 8 | Smooth wheeled roller 8 tonne | Soil compaction ,BM compaction | Per Hour | 1101 | As per WR dept. (S.No.50) |
| 9 | Water tanker 8 Kilolitre | Water transport | Per Hour | 865.50 | As per WR Dept. (S.No.64) |
| 10 | Water tanker 6 Kilolitre | Water transport | | 630 | |
| 11 | Tractor | Pulling | Per Hour | 415 | |
| 12 | Tractor with rotavator | GSB mixing @ site | Per Hour | 425 | |
| 13 | Tractor with ripper attachment | Scarifying | Per Hour | 425 | |

| Sl. No. | Description | | Unit | S o Rate for 2015-16 in Rs. | Remarks |
|------------|---|---------------------------------|-------------|-----------------------------------|-----------------------------|
| | Machine | Activity | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14 | Air Compressor 5 cmm(electric) | General purpose | Per Hour | 538.20 | As per WR Dept. (S.No.2) |
| 15 | Wet mix plant 60 TPH | Wet mix | Per Hour | 1650 | |
| 16 | Mechanical broom Hydraulic | Surface cleaning | Per Hour | 375 | |
| 17 | Bitumen Pressure Distributor | Applying bitumen tack coat | Per Hour | 1500 | |
| 18 | Emulsion Pressure Distributor | Applying emulsion tack coat | Per Hour | 860 | |
| 19 | Hot mix Plant – 120 TPH capacity | DBM/BM/SDC /Premix | Per Hour | 28200 | |
| 20 | Hot mix Plant – 100 TPH capacity | DBM/BM/SDC /Premix | Per Hour | 24200 | |
| 21 | Hot mix Plant – 60 TPH capacity | DBM/BM/SDC /Premix | Per Hour | 21700 | |
| 22 | Hot mix Plant – 40 to 60 TPH capacity | DBM/BM/SDC /Premix | Per Hour | 19200 | |
| 23 | Paver Finisher Hydrostatic with sensor control 100 TPH | DBM/BM/SDC /Premix | Per Hour | 3060 | |
| 24 | Paver finisher Mechanical 100 | Paving of WMM, paving of DLC | Per Hour | 2250 | |
| 25 | Hydraulic Chip Spreader | Surface dressing | Per Hour | 2695 | |
| 26 | Tandem Road roller | Rolling of Asphaltic surface | Per Hour | 1650 | |
| 27 | Pneumatic Road roller | Rolling of Asphaltic surface | Per Hour | 1347 | |
| 28 | Pot-Hole repair machine | Repair of pot-holes | Per Hour | 887 | |
| 29 | Bitumen boiler oil fired | Bitumen Spraying | Per Hour | 219 | |
| 30 | GSB Plant 50 Cum | Producing GSB | Per Hour | 1257 | |
| 31 | Mastic Cooker | Mastic wearing coat | Per Hour | 78 | |

| Sl. No. | Description | | Unit | S o Rate for 2015-16 in Rs. | Remarks |
|------------|--|--|----------|-----------------------------------|------------------------------|
| | Machine | Activity | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 32 | Batching and Mixing Plant (a) 30 Cum capacity | Concrete mixing | Per Hour | 1231.90 | |
| | (b) 15 - 20 Cum capacity | Concrete mixing | Per Hour | 1092 | As per WR Dept. (S.No.10) |
| 33 | Transit mixer | Transportation of concrete mix | Per Hour | 1887.30 | As per WR Dept. (S.No.1) |
| 34 | Concrete pump of 45 and 30 cum | Pumping of Concrete | Per Hour | 810 | |
| 35 | Cranes | | | | |
| | (a) 80 tonnes | Lifting purpose | Per Hour | 1288 | |
| | (b) 35 tonnes | | | 870 | |
| | (c) 3 tonnes | | | 422 | |
| | (d)Crane with grab bucket 0.75 cum | Well foundation | Per Hour | 2268 | |
| | (e)Crane with grab bucket 1 cum | Well foundation | Per Hour | 3709 | |
| 36 | Concrete bucket 1.50 cum | For pouring concrete | Per Hour | 15.80 | As per WR Dept. (S.No.14) |
| 37 | Kerb casting machine | Kerb making | Per Hour | 660 | |
| 38 | Concrete mixer | Concrete mixing | Per Hour | 456.20 | As per WR Dept. (S.No.18) |
| | (a)0.28 cum | | | | |
| | (b) 1.0 cum | Concrete mixing | Per Hour | 620 | |
| 39 | Piling rig with bantonite pump | 0.75 m dia to 1.20 m dia boring attachment | Per Hour | 6023 | |
| 40 | Concrete paver finisher with 40 HP motor | Paving of concrete surface | Per Hour | 3190 | |
| 41 | Integrated stone crusher | Crushing of spalls 100 TPH | Per Hour | 9583 | |
| | | Crushing of spalls 200 TPH | Per Hour | 20206 | |
| 42 | Pre stressing jack with pump and access | Stressing of steel wires/ stands | Per Hour | 155 | |

| Sl. No. | Description | | Unit | S o Rate for 2015-16 in Rs. | Remarks |
|------------|------------------------------|-------------------------------|----------|-----------------------------------|---------------------------|
| | Machine | Activity | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 43 | Generator | | | | |
| | 250 KVA | Generation of electric energy | per hour | 1850 | |
| | 125 KVA | | per hour | 1320 | |
| | 100 KVA | | per hour | 1126 | |
| | 30 KVA | | per hour | 816.80 | As per WR Dept. (S.No.23) |
| 44 | Pneumatic sinking of Plants | Pneumatic sinking of wells | Per K.m. | 5600 | |
| 45 | Truck 5.5 cum per 10 tonnes | Material transport | Per her | 877.10 | As per WR Dept. (S.No.58) |
| 46 | Road marking Machine | Road marking | Per Hour | 133 | |
| 47 | Mobile slurry seal equipment | Mixing and laying slurry seal | Per Hour | 1239 | |
| 48 | Plate compacter | For compacting in medians | Per Hour | 58 | |
| 49 | Drilling equipment | For drilling | Per Hour | 820.90 | As per WR Dept. (S.No.22) |

Note: The above hire charges of Machinery & Plant includes crew, oils, conveyance of Machinery to site and all other incidental charges

GOVERNMENT OF ANDHRA PRADESH



BUILDINGS – SoR: 2015-2016

**Office of the Engineer-In-Chief (R&B) Buildings
Convener-Member,
Committee of Chief Engineers-Buildings-SoR**

Procs.No. ENC(B)/DEE-1/SAA3/SoR: 2015-16 Dt: 20-07-2015.

Sub:- Printing of Buildings-SoR for all the Engineering Departments specific to the functioning of Building works – Buildings-SoR:2015-16 – Communication of Buildings-SoR – Reg.,

Ref:- 1. G.O.Rt.No.95, T,R&B (R.1) Dept., dt:18.01.2015.
2. Minutes of Committee of Chief Engineers meetings for finalizing the Building-SoRs held on Dt:27.06.2015

* * * * *

The Government of Andhra Pradesh have constituted a Committee of Chief Engineers of Engineering departments dealing with Building works for finalizing and communicating Buildings-SoR (Civil & Electrical) vide G.O. 1st cited. In accordance therewith the Committee of Chief Engineers has finalized and approved the Buildings-SoR: 2015-16 in the Minutes of Meeting held on Dt.27.06.2015.

The rates for the Building items (Civil, Water Supply & Sanitary and Electrical items) are to be followed henceforth by all the concerned departments for building works. The rates of Labour Rates, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges of Common SoR-2015-16 remain unchanged. No other items other than the items communicated in this Buildings-SoR shall be introduced.

The Heads of Departments mentioned below are authorized to print the Buildings-SoR: 2015-16. The unauthorized printing & selling of the Buildings-SoR is strictly prohibited.

The revised rates will come into force with immediate effect.
The receipt of the proceedings may please be acknowledged.

Enclosed: Buildings SoR: **2015-16-CD** as above

Sri. M. Gangadharam
Engineer-In- Chief (R&B) Admn.,
SR, RSW & Buildings
Convener-Member,
Committee of Chief Engineers-Buildings-SoR

To

1. Engineer-in-Chief (Admn., SR, RSW & Buildings), Roads & Buildings Department, Errummanzil, Hyderabad-82.
2. Chief Engineer (R&B) (Electrical), R&B Department, Errummanzil, Hyderabad-82
3. Engineer-in-Chief, Public Health Department, A,C, Guards, Hyderabad-4.
4. Engineer-in-Chief (P.R.), Panchayat Raj Department, Errummanzil, Hyderabad-82.

5. Engineer-in-Chief, Tribal Welfare & Social Welfare Department, DSS Bhavan, Masab tank, Hyderabad.
6. Chief Engineer (Civil), Tirupathi Tirumala Devasthanams, Tirupati
7. Chief Engineer (AP Housing Board) Gruhakalpa, Nampally, Hyderabad
8. Chief Engineer (Housing Corporation) Urdugally, Himayatnagar, Hyderabad
9. Chief Engineer (APSRTC), RTC 'X' Roads, Musheerabad, Hyderabad.
10. Chief Engineer (APMSIDC), IIIrd Floor, DM&HS Campus, Sultanbazar, Koti, Hyderabad.
11. Chief Engineer (AP Police Housing & Welfare Corporation), Lakdi-ka-pool, Hyderabad.
12. Chief Engineer Vijayawada Municipal Corporation, Vijayawada

Copy also to

1. Engineer-in-Chief (IW)I&CAD, Irrigation Department, Errummanzil, Hyderabad-82.
2. Engineer-in-Chief (Rural Roads) R&B Department, Errummanzil, Hyderabad-82.
3. Chief Engineer (MD & APRDC), R&B Department, Hyderabad
4. Chief Engineer (NH), R&B Department, Errummanzil, Hyderabad-82.
5. Chief Engineer (QC), R&B Department, Errummanzil, Hyderabad-82.
6. Chief Engineer (COT), R&B Department, Errummanzil, Hyderabad-82.
7. Superintending Engineer (Designs & Planning), R&B Department, Errummanzil, Hyderabad-82.
8. Superintending Engineer (R&B), Head Quarters Circle, Errummanzil, Hyderabad-82.

**SCHEDULE OF RATES
FOR
BUILDING WORKS**

**FOR THE YEAR 2015-2016
(Effective from 1st June, 2015)**

**ALL ENGINEERING
DEPARTMENTS**

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| BUILDINGS SoR: 2015-16 | | | | | |
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BUILDINGS SoR: 2015-16 (CIVIL)

PREAMBLE

1.0 INTRODUCTION

The Government have issued orders vide . G.O.Rt.No.95, T,R&B (R.1) Dept., dt:18.01.2015 constituting a Committee comprising of Chief Engineers of departments in-charge of execution of building works for finalization of Standard Schedule of Rates for Buildings (Electrical & Civil). The meeting of the above "SoR Committee for Buildings (Civil & Electrical)" was convened on 27.06.2015 with an objective to finalize and release the Buildings-SoR: 2015-16.

2.0 APPLICABILITY OF COMMON SoR – 2015-16

The rates of labour, common materials & work items, Public Health items, conveyance rates of materials & hire charges approved and published in Common SoR-2015-16 remain applicable. The specifications, stipulations & all other conditions of Common-SoR other than those specified in this context remain applicable.

3.0 OVERHEADS & CONTRACTORS PROFIT

- a. The provision of 'Over Heads and Contractor's Profit @ 13.615% shall be allowed in all the data items of the estimates and rates of the finished items in building works where 'Contractors All Risk' policy is dispensed with.
- b. It is reiterated that the provision of 'Over Heads and Contractor's Profit' is applicable to Building works since the advent of the AP. Revised standard data-2009, which is approved by the Government in G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dated: 02-03-2009 and this component shall be operative on all the data items of the estimates and rates of the finished items published in Buildings SoR **for original works** subjected to the fulfillment of the conditions given below:
 - i. Site accommodation, setting up plant, access road, water supply, electricity and general site arrangements.
 - ii. Office furniture, equipment and communications.
 - iii. Expenditure on:
 - a) Corporate office of contractor.
 - b) Technical agents for site supervision. (Reimbursement to the technical agents provision is dispensed with where 'over heads and contractor's profit' provision is included in the data rates)
 - c) Documentation and "as built" drawings.
 - d) Mobilization/ de-mobilization of resources.
 - e) Labour camps with minimum amenities and transportation to work sites.
 - f) Light vehicles for site supervision including administrative and managerial requirements.
 - g) Laboratory equipment and quality control including field and laboratory testing. (For all the works costing more than Rs. 2.00 Crores contractors have to establish Quality Control laboratory)

- h) Minor T & P and survey instruments and setting outworks, including verification of line, dimensions, etc.
- i) Watch and ward.
- j) Traffic management/ Safety management during construction.
- k) Expenditure on safeguarding environment.
- iv. Sundries.
- v. Financing Expenditure.
- vi. Sales/ Turn overtax. (This is a material VAT component only, however the provision towards Works Contract Value Added Tax at 5% or as applicable on the finished work items as defined in APVAT Act-2005 shall be added in the estimates)
- vii. Work Insurance/ compensation - Works insurance is dispensed with vide G.O. Ms. No: 61 Irrigation & CAD (PW:Reforms) Department Dt. 25-06-2013. Further, It is decided not to insist upon insuring all the building works as provision for this component is already deleted from the 'Overheads & Contractor's Profit' in building works.

4.0 OTHER GUIDELINES

1. Municipal Area Allowance, Agency or Tribal area allowance or any such allowance on the labour components of civil, water supply & sanitary items of building works shall be allowed wherever applicable as per the guidelines and preamble of Common SoR: 2015-16. For the building work estimates taken up in the notified Area Development Authorities constituted by the Government, the Area Allowance on the labour components of civil, water supply & sanitary items of building works may be allowed on specific recommendation from such Area Development Authorities.
2. The rates of the Ready Mix Concrete (RMC) are deleted as the rate analysis is appended in the A.P. Revised Standard Data-2009. Incase RMC concrete is procured from the manufacturers the rate shall be as per the rate analysis which is appended at Sl. No 23 in the Buildings Section of A.P. Revised Standard Data-2009, retrospectively.
3. Wherever the concrete pump is used in the data, 8 working hours per day can be considered for rate analysis purpose.
4. For the structures where the Standard and High Strength Concretes vide IS: 456-2000 is required, mix design shall be carried out and rates may be arrived as per the rate analysis appended in the A.P. Revised Standard Data-2009.
5. Certain items in the SoR are deleted due to change in the specification, non-availability in the market, etc
6. The rates of Hire charges for centering & scaffolding for the **SHEAR WALLS, RCC WALLS, WATER TANK WALLS** are deleted from the Buildings SoR with retrospective effect as the same are included in the Public Health section of Common SoR.
7. The Electrical items and corresponding rates as approved and proposed by the Chief Engineer (R&B) Electrical have been considered in the Buildings SoR-2015-16.
8. The rates for the Manholes and inspection chambers are finalized based on the detailed rate analysis.
9. The rates of CI Pipes and fittings have been fixed based on the price lists obtained from the dealers & manufacturers and based on the 'Wholesale Price Indices' published by the Government of India and competitive quotations.

10. Similarly the Vitreous China Ware, Porcelain, Taps & Faucets, G.I Pipes, Valves & Fittings, SWG pipes & fittings and PVC Pipes & fittings have been finalized based on the 'Wholesale Price Indices' published by the Government of India and competitive quotations.
11. The specifications of the aggregates for sizes and gradation and its adoption shall be as per IS 383-1970 and IS 2386 (Part 1 to Part 8).
12. No allowance towards 'Labour Importation & Labour Amenities' shall be added to the datas as they are included in the provision of 'Over heads and contractor's profit'.
13. For sand, gravel , murum, stones , course aggregates etc, the basic rates are for delivery at site, excluding seigniorage (royalty) charges, unloading charges by machinery / manual means and idle hire charges of machinery shall be allowed (as per table under chapter "conveyance or lead and lift charges") as applicable.
14. For all the materials, the basic rates given in the Buildings SoR are 'landing prices' at the site, except where mentioned specifically.
15. For the materials where the basic rates are mentioned as 'quarry rates' in the Buildings SoR, which includes initial lead of 1.0 km, lead charges are to be added for the lead distances from the approved quarries as applicable. Wherever the term "carriage" or "conveyance" is used in schedule item, it shall be taken to include actual leads, lifts, loading, unloading and stacking to the satisfaction of the technical sanctioning authority while making the price-adjustments.
16. The basic item rates provided in the schedule of rates include 50 m (conveyance by manual means) or 1 km (conveyance by mechanical means) as initial lead and no lead charges shall be allowed where the source of material is within the initial lead specified in item rate. Additional lead charges shall be allowed for the lead exceeding initial lead specified in the item rate.
17. The lead charges per unit quantity for conveyance of the materials are worked out, and included in the schedule of rates in increment of 50 m for head load and in increment of 1 km for mechanical mode.
18. The rates for lead charges by head load up to 150 meters and by machinery up to 5 km shall be cumulative and inclusive of lead charges for proceeding lead.
19. For building works taken up in the hill areas where the materials are conveyed on ghat roads, the lead distance may be taken as 2.0 times of the existing length of the road for the purpose of leads only for conveyance of materials based on the certificate for the Ghat Road given by the Superintending Engineer concerned.
20. Loading and unloading charges are not payable for conveyance by head load.
21. Loading and unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.
22. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
23. The input rate for the water charges taken in Common Standard Schedule of Rates for the basic data is for the sources at site, any water lead as applicable may be allowed as per the conveyance charges.
24. Unless otherwise specified, all material rates shall be inclusive of all taxes, duties, levies, royalty/seigniorage, transportation and handling costs up to project area, but excluding 'Works Contract Tax (VAT)'.

25. Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
26. For any new items to be included in the 'Schedule of Rates', recommendations with specific remarks of the respective departments should reach the 'Committee of Chief Engineers' well in advance.
27. The CWC (Ministry of Irrigation) has recommended that "**where standard or schedule of rates are revised or where is necessary to do so, the primary guiding principle should be escalation in labour and material cost and not on trend of rates quoted by the contractors**". The 'Committee of Chief engineers' (Buildings SoR) have considered the practicality and adoptability of the 'Buildings-SoR' in construction of the building projects in finalizing the 'Buildings-SoR'.
28. Wherever feasible, more emphasis is given to the technical specifications for the SoR items by removing the brand names of the manufacturers from the specification and list of approved brands in the respective category for the products is grouped and appended at the end of the SoR so as to bring to an end of encouraging a particular brand.
29. The estimate preparing authorities are advised to specify the brand names/ manufacturers in the contract documents as per the requirement.
30. The technical specifications, brand names and the corresponding rates given in the 'water proofing and chemical admixtures' section are for the guidance only. The estimate preparing authorities are requested to obtain literature for usage / application of construction / water proofing materials, epoxies etc, from the manufacturers or authorized suppliers in the contract documents as per the requirement.

5.0 CONCLUSION

1. The Committee of Chief Engineers on Buildings-SoR: 2015-16 (Civil & Electrical) has met in the chambers of Engineer-In-Chief (R&B) Buildings, on **27-06-2015** at **11.00 A.M.**, and approved the Buildings SoR:2015-16. The increase in rates of certain materials of items is considered based on the Whole Sale Price Indices published by the Economic Advisor, Government of India.
2. SSR Rates for Civil, Sanitary & water supply and Electrical Items are purely for the guidance of the officers in preparation of estimates vide Para 113 of APPWD code. Authority who prepares the estimate is however responsible for proper rates as envisaged in Para 45 of APPWD code.
3. The rates published in the Buildings SoR are ceiling rates and the estimate preparing authorities are responsible for the correctness and reasonableness of the rates and technical specifications adopted in the estimates.
4. The committee has resolved to amend the Standard Data of earth work items such as earth work excavation in all types of soils and rocks and refilling beyond 3.0 M depth, for every 1.0 M depth or part thereof, allowance of 10% extra shall be added over the basic rate.
5. The committee has further resolved that all the amendments that are issued to the A.P. Revised Standard Data-2009 are effective from retrospective date of publication of data approved vide G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dated: 02-03-2009.

6.0 AMENDMENTS TO A.P. REVISED STANDARD DATA-2009

1. The Committee of Chief Engineers have decided to allow 1% on cost of materials and labour towards water charges wherever water is required for mixing and curing purposes viz all masonry works including RR Masonry, CRS Masonry, Brick works of all varieties, Plastering works and RCM works, all types of flooring & skirting works. The water charges provision shall be allowed in the data items where the specific provision in the standard data item is missing.
2. Water charges in refilling and filling has to be allowed as given below:

| | | | | | |
|--------------|----|---------------------------------------|-----|------|--|
| BLD-CSTN-2-8 | 16 | Sand filling | | | |
| | | Unit = cum | | | |
| | | Taking output = 1 cum | | | |
| | | a) Labour | | | |
| | | Mate | day | - | |
| | | Mazdoor (Unskilled) | day | 0.31 | |
| | | b) Material | | | |
| | | Sand | cum | 1.00 | |
| | | Water | KI | 0.10 | |
| | | c & d) Overheads & Contractors Profit | | | |
| | | Rate per cum = a+b+c+d | | | |

| | | | | | |
|--------------|----|--|-----|------|--|
| BLD-CSTN-2-9 | 17 | Earth filling (ordinary soil) | | | |
| | | Unit = cum | | | |
| | | Taking output = 6 cum | | | |
| | | a) Labour | | | |
| | | Mate | day | - | |
| | | Mazdoor (Unskilled) | day | 3.12 | |
| | | b) Material | | | |
| | | Water | KI | 0.72 | |
| | | c) & d) Overheads & Contractors Profit | | | |
| | | Cost for 6 cum = a+b+c | | | |
| | | Rate per cum = (a+b+c)/6 | | | |
| | | Note : Cost of transportation of good quality earth has not been included. Only labour for carrying carted earth with a lead of 50 m to the foundation pits has been taken in the rate. The cost of carted earth/gravel may be worked out separately if the same is not available from the adjoining area. | | | |

BUILDING ITEMS

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|----------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| | A. | BRICKS & BUILDING BLOCKS <i>(Ex-quarry price - including material VAT, loading excluding cost of conveyance, unloading & stacking)</i> | | |
| | | ORDINARY CLAY BRICKS | | |
| 1 | BMT-A.01 | Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Non-Modular or traditional size 23 x 11 x 7 cm | 1000 Nos | 5200 |
| 2 | BMT-A.02 | Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Modular or traditional size 19 x 9 x 9 cm | 1000 Nos | 5850 |
| | | FLY-ASH CEMENT/LIME SOLID BLOCKS <i>(ex-quarry price - excluding cost of conveyance, loading & unloading)</i> | | |
| 3 | BMT-A.03 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 225 x 140 mm | Each | 25 |
| 4 | BMT-A.04 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 200 x 140 mm | Each | 23 |
| 5 | BMT-A.05 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 150 x 140 mm | Each | 20 |
| 6 | BMT-A.06 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 112/100 x 140 mm | Each | 14 |
| 7 | BMT-A.07 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 225 x 100 x 60 mm | Each | 7 |
| 8 | BMT-A.08 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 145 x 225 x 140 mm | Each | 15 |
| 9 | BMT-A.09 | Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 145 x 200 x 140 mm | Each | 12 |
| 10 | BMT-A.10 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 225 x 140 mm | Each | 24 |
| 11 | BMT-A.11 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 200 x 140 mm | Each | 19 |
| 12 | BMT-A.12 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 150 x 140 mm | Each | 20 |
| 13 | BMT-A.13 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 112/100 x 140 mm | Each | 11 |
| 14 | BMT-A.14 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 225 x 100 x 60 mm | Each | 5 |
| 15 | BMT-A.15 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 145 x 225 x 140 mm | Each | 12 |
| 16 | BMT-A.16 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 145 x 200 x 140 mm | Each | 11 |
| 17 | BMT-A.17 | Supply of well burnt cinder aggregates as per IS: 2686-1977 | 1 Cum | 670 |
| | | AUTOCLAVED CONCRETE BLOCKS <i>(lading cost - including cost of conveyance, loading & unloading)</i> | | |
| 18 | BMT-A.18 | Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² - 600 x 200 x 100 mm | Each | 56 |
| 19 | BMT-A.19 | Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² - 600 x 200 x 150 mm | Each | 82 |
| 20 | BMT-A.20 | Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² - 600 x 200 x 200 mm | Each | 110 |
| 21 | BMT-A.21 | Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² 600 x 200 x 230 mm | Each | 125 |
| | B. | NATURAL FLOORING STONES <i>(Ex-quarry price - including material VAT, loading excluding cost of conveyance, unloading & stacking)</i> | | |
| | | LOCALLY AVAILABLE FLOORING STONES | | |
| 22 | BMT-B.01 | Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M | 1 Sqm | 96 |
| 23 | BMT-B.02 | Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M | 1 Sqm | 110 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|--------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 24 | BMT-B.03 | Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick | 10 Sqm | 961 |
| 25 | BMT-B.04 | Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick | 10 Sqm | 1239 |
| 26 | BMT-B.05 | Polished Shahabad/ Tandur stone slabs of 15 to 18 mm thick | 10 Sqm | 1654 |
| 27 | BMT-B.06 | Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M) | 10 Sqm | 1379 |
| 28 | BMT-B.07 | Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M) | 10 Sqm | 3859 |
| 29 | BMT-B.08 | Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M) | 10 Sqm | 2756 |
| | | NATURAL FLOORING STONES - GRANITE | | |
| 30 | BMT-B.09 | High Polished Granite 16 to 18 mm thick up to 2.43 M other than black/ premium colours | 1 Sqm | 3183 |
| 31 | BMT-B.10 | High Polished Granite 16 to 18 mm thick up to 2.43 M other than black and regular colours | 1 Sqm | 2767 |
| 32 | BMT-B.11 | High Polished Granite 16 to 18 mm thick up to 2.43 M black | 1 Sqm | 2352 |
| | | NATURAL FLOORING STONES - MARBLE | | |
| 33 | BMT-B.12 | Polished Marble slabs of Dongari/ Adanga/ Marodh/ Rajgangpur etc., variety of thickness between 16 mm to 20 mm of sizes from 600 mm to 900 mm | 1 sqm | 729 |
| 34 | BMT-B.13 | Polished Marble slabs of Dongari/ Adanga/ Marodh/ Rajgangpur etc., variety of thickness between 16 mm to 20 mm of sizes up to 600 mm | 1 sqm | 589 |
| 35 | BMT-B.14 | Polished Marble slabs of any variety and gang saw cut (Such as Dongari/ Adanga/ Marodh/ Rajgangpur etc) 16 mm to 20 mm (average) thick (0.610 M width of any length) | 1 sqm | 999 |
| 36 | BMT-B.15 | Polished Marble Tiles of 8 - 10 mm thickness of all sizes and varieties | 1 sqm | 476 |
| 37 | BMT-B.16 | Granite stone tiles 8 mm thick (mirror polished of all shades) | 1 sqm | 1079 |
| 38 | BMT-B.17 | Polished black Kadapa slabs of all sizes between 25 - 30 mm thickness | 10 Sqm | 1654 |
| | C. | WALL & FLOOR TILES <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| 39 | BMT-C.01 | Supply of Ceramic floor tiles of not less than 7.3mm thick 1st quality in all shades and designs | 1 sqm | Deleted |
| 40 | BMT-C.02 | Supply of Edge Cut - Rectified Ceramic floor tiles of not less than 8 mm thick 1st quality in all shades and designs | 1 sqm | Deleted |
| 41 | BMT-C.03 | Supply of decorated white background glazed wall tiles of any size and of 5 to 7 mm thick | 1 sqm | Deleted |
| 42 | BMT-C.04 | Supply of screenprinted, decorated coloured background glazed wall tiles of any size and of 5 to 7 mm thick | 1 sqm | Deleted |
| 43 | BMT-C.05 | Supply of decorated coloured background glazed wall tiles of any size and of 5 to 7 mm thick | 1 sqm | Deleted |
| 44 | BMT-C.06 | Supply of 1st quality, plain white glazed wall tiles of any size and of 5 to 7 mm thick | 1 sqm | Deleted |
| 45 | BMT-C.07 | Supply of 1st Quality, glazed plain coloured wall tiles of any size and of 5 to 7 mm thick | 1 sqm | Deleted |
| 46 | BMT-C.08 | Supply of precast terrazzo tiles 20 mm thick of medium shades | 1 sqm | Deleted |
| 47 | BMT-C.09 | Supply of precast terrazzo tiles 20 mm thick of dark shades | 1 Sqm | Deleted |
| 48 | BMT-C.10 | Supply of coloured precast terrazzo tiles of 20 mm thick | 1 Sqm | Deleted |
| 49 | BMT-C.11 | Supply of white/ plain precast terrazzo tiles of 20 mm thick | 1 Sqm | Deleted |
| 50 | BMT-C.12 | Supply of grey precast terrazzo tiles of 20 mm thick | 1 Sqm | Deleted |
| 51 | BMT-C.13 | Supply of vitrified polished floor tiles of size not less than 900 x 900 x 10 mm thickness regular finish and normal colours | 1 Sqm | Deleted |
| 52 | BMT-C.14 | Supply of vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness regular finish and normal colours | 1 Sqm | Deleted |
| 53 | BMT-C.15 | Supply of vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness glossy finish permium colours | 1 Sqm | Deleted |
| 54 | BMT-C.16 | Supply of vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness regular finish and normal colours | 1 Sqm | Deleted |
| 55 | BMT-C.17 | Supply of vitrified polished floor tiles of size not less than 400 x 400 x7mm thickness normal colours | 1 Sqm | Deleted |
| 56 | BMT-C.18 | Supply of glass mosaic tiles 1st quality of size 20x20x4 mm thick | 1 Sqm | Deleted |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|---------------|------------------|--|-------------|-----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 57 | BMT-C.19 | Providing of Vitrified/ Ceramic Tile flooring for required areas using different sizes, approved colour and make fixing with synthetic/ epoxy adhesive in specified thickness with out joint including all taxes excluding cost of tiles 600 x 600 mm and above sizes tiles. | 1 Sqm | Deleted |
| 58 | BMT-C.20 | Providing of Vitrified/ Ceramic Tile flooring for required areas using different sizes, approved colour and make fixing with synthetic/ epoxy adhesive in specified thickness with out joint including all taxes excluding cost of tiles 400 x 400 mm and below size tiles | 1 Sqm | Deleted |
| 59 | BMT-C.21 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles: 600 x 600 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 60 | BMT-C.22 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:600 x 600 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 61 | BMT-C.23 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:400 x 400 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 62 | BMT-C.24 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:400 x 400 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 63 | BMT-C.25 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 64 | BMT-C.26 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 65 | BMT-C.27 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 66 | BMT-C.28 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing specified colour cement based polymer grout mixed with grout admix including all taxes excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 67 | BMT-C.29 | Providing Glass Mosaic tiles using specified pattern fixing with grout and approved colour of joint filling with admix cement grouting including all taxes excluding cost of tiles | 1 Sqm | Deleted |
| 68 | BMT-C.30 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:600 x 600 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 69 | BMT-C.31 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:400 x 400 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 70 | BMT-C.32 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:400 x 400 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 71 | BMT-C.33 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 72 | BMT-C.34 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width | 1 Sqm | Deleted |
| 73 | BMT-C.35 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 3 mm joints width | 1 Sqm | Deleted |
| 74 | BMT-C.36 | Providing tile flooring with synthetic/ epoxy adhesive in specified thick and | 1 Sqm | Deleted |

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| 1 | 2 | 3 | 4 | 5 |
| | | pointing with specified colour epoxy grout excluding cost of tiles:300 x 200 mm tiles with 4 mm joints width | | |
| 75 | BMT-C.37 | Providing Glass Mosaic tiles using specified pattern fixing with epoxy grout and approved colour of joint filling with admix cement grouting including all taxes excluding cost of tiles | 1 Sqm | Deleted |
| 76 | BMT-C.38 | Providing Glass Mosaic tiles using specified pattern fixing with epoxy grout and approved colour cement admix grout including all taxes excluding cost of tiles | 1 Sqm | Deleted |
| 77 | BMT-C.39 | Supply of design wall tiles of any colour and size other than highlighters and of thickness 8 to 10 mm including all taxes | 1 Sqm | Deleted |
| 78 | BMT-C.40 | Supply of design highlighters wall tiles of any colour and size and of thickness 8 to 10 mm including all taxes | 1 Sqm | Deleted |
| 79 | BMT-C.41 | Supply of design highlighters wall tiles of premium / radium colours and of any size and of thickness 8 to 10 mm including all taxes | 1 Sqm | Deleted |
| 80 | BMT-C.42 | Supply of plain exterior wall tiles of thickness 20 mm of any size for wall claddings | 1 Sqm | Deleted |
| 81 | BMT-C.43 | Supply of exterior design wall tiles of thickness 20 mm of any size for wall claddings | 1 Sqm | Deleted |
| 82 | BMT-C.44 | Supply of Plain design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm | 1 Sqm | Deleted |
| 83 | BMT-C.45 | Supply of textured design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm | 1 Sqm | Deleted |
| 84 | BMT-C.46 | Supply of premium plain design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm | 1 Sqm | Deleted |
| 85 | BMT-C.47 | Supply of premium textured design floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm | 1 Sqm | Deleted |
| 86 | BMT-C.48 | Supply of premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm but excluding highlighters | 1 Sqm | Deleted |
| 87 | BMT-C.49 | Supply of premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 15 mm and wall tiles of thickness 9 mm but including highlighters | 1 Sqm | Deleted |
| 88 | BMT-C.50 | Vitrified polished floor tiles of size not less than 1000 x 1000 x 10 mm thickness with nano technology printing and high glossy finish/ premium colours | 1 Sqm | Deleted |
| 89 | BMT-C.51 | Vitrified polished floor tiles of size not less than 795 x 795 mm x 8 mm thickness with nano technology printing and high glossy finish/ premium colours special series | 1 Sqm | Deleted |
| 90 | BMT-C.52 | Vitrified polished floor tiles of size not less than 598 x 598 mm x 8 mm thickness with nano technology printing and glossy finish permium colours high glossy finish/ premium colours special series | 1 Sqm | Deleted |
| 91 | BMT-C.53 | Vitrified polished floor tiles of size not less than 900 x 900 mm x 10 mm thickness with nano technology printing and glossy finish permium colours high glossy finish/ premium colours special series | 1 Sqm | Deleted |
| | | NON-PORCELAIN CERAMIC FLOOR TILES | | |
| 92 | BMT-C.54 | Supply of Non-skid red or white full body Ceramic floor tiles of size 300 x 300 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 450 |
| 93 | BMT-C.55 | Supply of Non-skid red or white full body Ceramic floor tiles of size 400 x 400 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 560 |
| 94 | BMT-C.56 | Supply of Non-skid red or white full body Ceramic floor tiles of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 635 |
| 95 | BMT-C.57 | Supply of Non-skid red or white full body Ceramic floor tiles of scratch free-stain free and scratch free-nano finish of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 650 |

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| 1 | 2 | 3 | 4 | 5 |
| PORCELAIN VITRIFIED FLOOR TILES | | | | |
| 96 | BMT-C.58 | Supply of ordinary soluble salt porcelain vitrified tiles screen printed and polished of size 400 x 400 mm and thickness between 8-9 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 560 |
| 97 | BMT-C.59 | Supply of soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 635 |
| 98 | BMT-C.60 | Supply of Nano polished /stain free soluble salt porcelain vitrified tiles screen printed of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 675 |
| 99 | BMT-C.61 | Supply of Nano polished soluble salt porcelain vitrified tiles screen printed of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1123 |
| 100 | BMT-C.62 | Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 940 |
| 101 | BMT-C.63 | Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1522 |
| 102 | BMT-C.64 | Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 1000 x 1000 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1522 |
| 103 | BMT-C.65 | Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1039 |
| 104 | BMT-C.66 | Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 900 x 900 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1274 |
| 105 | BMT-C.67 | Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 1000 x 1000 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1747 |
| 106 | BMT-C.68 | Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 1200 x 600 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1932 |
| 107 | BMT-C.69 | Supply of full body heavy duty industrial variety porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 10-12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1099 |
| 108 | BMT-C.70 | Supply of full body heavy duty industrial variety / tact porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1210 |
| 109 | BMT-C.71 | Supply of full body heavy duty industrial variety porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 18-20 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1390 |

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| 1 | 2 | 3 | 4 | 5 |
| 110 | BMT-C.72 | Supply of full body heavy duty industrial variety porcelain vitrified tile of size 400 x 400 mm and thickness between 10 -12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1210 |
| 111 | BMT-C.73 | Supply of full body heavy duty industrial variety porcelain vitrified tile of size 600 x 600 mm and thickness between 10 - 12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1391 |
| CERAMIC WALL TILES | | | | |
| 112 | BMT-C.74 | Supply of glazed red or white full body ceramic wall tiles of size 200 x 300 mm / 245 mm x 325 mm and thickness 6 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 660 |
| 113 | BMT-C.75 | Supply of glazed red or white full body ceramic wall tiles of size 300 x 450 mm / 320 mm x 400 mm and thickness 6 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 730 |
| 114 | BMT-C.76 | Supply of glazed red or white full body ceramic wall tiles of size 300 x 600 mm and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 815 |
| PORCELAIN WALL TILES | | | | |
| 115 | BMT-C.77 | Supply of glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 691 |
| 116 | BMT-C.78 | Supply of digital / polished glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 691 |
| 117 | BMT-C.79 | Supply of digital / polished glazed full body porcelain highlighter wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 795 |
| 118 | BMT-C.80 | Supply of screen printed glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 865 |
| 119 | BMT-C.81 | Supply of glazed full body porcelain wall tiles of size 400 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 986 |
| 120 | BMT-C.82 | Supply of glazed full body porcelain wall tiles of size 600 x 800 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 7-9 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1134 |
| 121 | BMT-C.83 | Supply of glazed full body porcelain premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 14-16 mm and wall tiles of thickness 8-10 mm but excluding highlighters 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1213 |
| 122 | BMT-C.84 | Supply of glazed full body porcelain premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 14-16 mm and wall tiles of thickness 8-10 mm but including highlighters 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 1243 |
| 123 | BMT-C.85 | Providing and fixing wall dado with epoxy emulsion grout/ synthetic/ resin | 1 Sqm | 331 |

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| 1 | 2 | 3 | 4 | 5 |
| | | based adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles | | |
| 124 | BMT-C.86 | Providing and fixing wall dado with cement based adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles | 1 Sqm | 167 |
| 125 | BMT-C.87 | Providing and fixing flooring with full depth jointing and pointing to the Vitrified/ Ceramic Tile flooring in specified thick for tiles of any sizes with epoxy emulsion grout/ synthetic / resin adhesive in width of 3-5 mm with Nylon spacers excluding cost of tiles. | 1 Sqm | 349 |
| 126 | BMT-C.88 | Providing and fixing flooring with full depth jointing and pointing to the Vitrified/ Ceramic Tile flooring in specified thick for tiles of any sizes with cement based adhesive in width of 3-5 mm with Nylon spacers excluding cost of tiles . | 1 Sqm | 176 |
| 127 | BMT-C.89 | Providing and fixing flooring with full depth jointing and pointing to the Marble/ Granite flooring for any sizes with epoxy emulsion grout/ synthetic / resin based adhesive in width of 3-5 mm excluding cost of tiles. | 1 Sqm | 698 |
| 128 | BMT-C.90 | Providing and fixing flooring with full depth jointing and pointing to the Marble/ Granite flooring for any sizes with cement based adhesive in width of 3-5 mm excluding cost of tiles. | 1 Sqm | 352 |
| | | GLASS MOSAIC TILES | | |
| 129 | BMT-C.91 | Supply of glazed full body glass mosaic tiles of 20 x 20 x 4 mm thick in specified pattern 1st Quality of any colour and design | 1 Sqm | 1310 |
| 130 | BMT-C.92 | Providing Glass Mosaic tiles using specified pattern fixing in specified thick epoxy emulsion grout of epoxy resins and filler powder of approved colour grout including all taxes excluding cost of tiles | 1 Sqm | 294 |
| 131 | BMT-C.93 | Providing Glass Mosaic tiles using specified pattern fixing in specified thick cementitious powder mix cement grout and approved colour grout including all taxes excluding cost of tiles | 1 Sqm | 113 |
| | | WALL CLADDING TILES | | |
| 132 | BMT-C.94 | Supply of glazed full body porcelain tiles for external cladding purposes of any size and thickness between 6-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 592 |
| 133 | BMT-C.95 | Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 5-7 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 430 |
| 134 | BMT-C.96 | Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 10-12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 447 |
| 135 | BMT-C.97 | Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 18-20 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | 1 Sqm | 572 |
| | D. | PAVING & INTERLOCKING TILES <i>(lading cost - Including cost of conveyance, loading & unloading)</i> | | |
| 136 | BMT-D.01 | Supplying precast terrazzo chequered tiles conforming to IS: 13801 using marble aggregates of size 10 mm , sand, marble powder, white cement pigments etc., with terrazzo topping not less than 6 mm of tiles overall size not less than 20 mm thick of any coloured shades. | 1 sqm | 314 |
| 137 | BMT-D.02 | Chequered Terrazzo tiles of 22 mm thick (Dark shade) 0.254 M x 0.406 M | 1 sqm | deleted |
| 138 | BMT-D.03 | Supplying precast terrazzo tiles conforming to IS: 13801 using marble aggregates of size 10 mm , sand, marble powder, white cement pigments etc., with terrazzo topping not less than 6 mm of tiles overall size not less than 20 mm thick white shades. | 1 sqm | 288 |
| 139 | BMT-D.04 | Supplying precast terrazzo plain tiles conforming to IS: 13801 using marble aggregates of size 10 mm , sand, marble powder, white cement pigments etc., with terrazzo topping not less than 6 mm of tiles overall size not less than 20 mm thick any coloured shades. | 1 sqm | 306 |
| 140 | BMT-D.05 | Chequered Terrazzo tiles of 30 mm thick (medium shade) 0.305 M x 0.305 M | 1 sqm | deleted |
| 141 | BMT-D.06 | Supply, laying & fixing of 60 mm thick cement Mosaic reflective concrete pavers of grade M-40 and above including labour charges, loading & | 1 Sqm | deleted |

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| 1 | 2 | 3 | 4 | 5 |
| | | unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc | | |
| 142 | BMT-D.07 | Supply, laying & fixing of 30 mm thick cement Mosaic reflective concrete pavers of grade M-40 and above including labour charges, loading & unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc | 1 Sqm | deleted |
| 143 | BMT-D.08 | Supply of high strength Cement Concrete Designer Tiles of 30 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes | 1 Sqm | deleted |
| 144 | BMT-D.09 | Supply of high strength Cement Concrete interlocking Designer Pavers of 60 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes | 1 Sqm | deleted |
| 145 | BMT-D.10 | Supply of high strength Cement Concrete interlocking Designer Pavers of 80 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes | 1 Sqm | deleted |
| 146 | BMT-D.11 | Supply of high strength Cement Concrete interlocking Regular Pedestrian Pavers of 60 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes | 1 Sqm | deleted |
| 147 | BMT-D.12 | Supply of high strength Cement Concrete interlocking Regular Pedestrian Pavers of 80 mm thickness of M- 40 Grade of which top 12 mm thick shall be for colour pigmentation with imported colours and white cement to get required reflective glazing inclusive of all taxes | 1 Sqm | deleted |
| 148 | BMT-D.13 | Supply of high strength Cement Concrete pre-polished ready to lay floor tiles of any colour, design and any size with 22 mm thickness including all taxes with compressive strength not less than 450 Kg/cm ² conforming to IS 516 | 1 Sqm | deleted |
| 149 | BMT-D.14 | Supply of high strength Cement Concrete Step tiles of regular colour, design and of 25 mm thickness including all taxes | 1 Sqm | deleted |
| 150 | BMT-D.15 | Supply of high strength Cement Concrete pre-polished Step tiles of any premium colour, design and of 25 mm thickness including all taxes | 1 Sqm | deleted |
| 151 | BMT-D.16 | Supply of Cement Concrete interlocking cement grade finish non-reflective Pavers of 60 mm thickness and dumbbell, zig-zag, I-block shapes etc., inclusive of all taxes | 1 Sqm | deleted |
| 152 | BMT-D.17 | Supply of Cement Concrete interlocking cement grade finish non-reflective Pavers of 80 mm thickness and dumbbell, zig-zag, I-block shapes etc., inclusive of all taxes | 1 Sqm | deleted |
| 153 | BMT-D.18 | Supply of Cement Concrete interlocking cement grade finish non-reflective Pavers of 100 mm thickness and dumbbell, zig-zag, I-block shapes etc., inclusive of all taxes | 1 Sqm | deleted |
| | | CEMENT CONCRETE FLOOR TILES (PLAIN & CHEQUERED) | | |
| 154 | BMT-D.19 | Supplying plain Cement Concrete general purpose tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 20 mm of any shades. | 1 Sqm | 270 |
| 155 | BMT-D.20 | Supplying Chequered Cement Concrete heavy duty tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 20 mm of any shades. | 1 Sqm | 284 |
| 156 | BMT-D.21 | Supplying plain Cement Concrete general purpose tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 25 mm of any shades. | 1 Sqm | 288 |
| 157 | BMT-D.22 | Supplying Chequered Cement Concrete heavy duty tiles conforming to IS: 13801 using aggregates, cement, pigments of size 300 x 300 mm and thickness 25 mm of any shades. | 1 Sqm | 302 |
| 158 | BMT-D.23 | Supplying plain Cement Concrete general purpose tiles conforming to IS: 13801 using aggregates, cement, pigments of size 400 x 400 mm and thickness 25 mm of any shades. | 1 Sqm | 314 |
| 159 | BMT-D.24 | Supplying Chequered Cement Concrete heavy duty tiles conforming to IS: 13801 using aggregates, cement, pigments of size 400 x 400 mm and thickness 25 mm of any shades. | 1 Sqm | 330 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|---|-----------|--|-------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 160 | BMT-D.25 | Supply of high strength Cement Concrete plain Step tiles with edge half rounded and grooved conforming to IS: 13801 using aggregates, cement, pigments of regular colour, design and of 25 mm thickness | 1 Sqm | 471 |
| 161 | BMT-D.26 | Supply of high strength Cement Concrete terrazzo/pre-polished/ chequered Step tiles with edge rounded and grooved conforming to IS: 13801 using aggregates, cement, pigments of any premium colour, design and of 25 mm thickness | 1 Sqm | 495 |
| <i>PRE-CAST CONCRETE BLOCKS FOR PAVING</i> | | | | |
| 162 | BMT-D.27 | Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 335 |
| 163 | BMT-D.28 | Supply of precast concrete blocks for paving of M-35 grade and thickness not less than 60 mm for Light traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 362 |
| 164 | BMT-D.29 | Supply of precast concrete blocks for paving of M-40 grade and thickness not less than 80 mm for Medium traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 518 |
| 165 | BMT-D.30 | Supply of precast concrete blocks for paving of M-50 grade and thickness not less than 100 mm for Heavy traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 571 |
| 166 | BMT-D.31 | Supply of precast concrete blocks for paving of M-55 grade and thickness not less than 120 mm for very heavy traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 649 |
| 167 | BMT-D.32 | Labour charges for laying & fixing of precast concrete blocks for paving of all grades, any thickness, all sizes & shapes including all labour charges for loading & unloading, laying to desired lines and levels complete excluding cost of cement, sand, water, electricity etc | 1 Sqm | 207 |
| | E. | TIMBER & ROOFING MATERIALS <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| | | <i>Note: Before proposing the Teak Wood Items, the estimating authorities shall obtain prior approval from the competent authority</i> | | |
| 168 | BMT-E.01 | Medium Teak Wood scantlings: up to 2.0 M | 1 cum | 80094 |
| 169 | BMT-E.02 | Medium Teak Wood scantlings: 2.0 to 3.0 M | 1 cum | 88994 |
| 170 | BMT-E.03 | Medium Teak Wood scantlings: above 3.0 M | 1 cum | 97894 |
| 171 | BMT-E.04 | Medium Teak Wood Plancks: any thickness | 1 cum | 160189 |
| 172 | BMT-E.05 | Best Teak Wood scantlings: up to 2.0 M | 1 cum | 137941 |
| 173 | BMT-E.06 | Best Teak Wood scantlings: 2.0 to 3.0 M | 1 cum | 146840 |
| 174 | BMT-E.07 | Best Teak Wood scantlings: above 3.0 M | 1 cum | 155740 |
| 175 | BMT-E.08 | Best Teak Wood Plancks: any thickness | 1 cum | 173539 |
| 176 | BMT-E.09 | Burma Teak Wood scantlings: up to 2.0 M | 1 cum | 189545 |
| 177 | BMT-E.10 | Burma Teak Wood scantlings: 2.0 to 3.0 M | 1 cum | 194959 |
| 178 | BMT-E.11 | Burma Teak Wood scantlings: above 3.0 M | 1 cum | 205056 |
| 179 | BMT-E.12 | Burma Teak Wood Plancks: any thickness | 1 cum | 222040 |
| 180 | BMT-E.13 | Assam Teak Wood scantlings: any length | 1 cum | 50812 |
| 181 | BMT-E.14 | Assam Teak Wood Plancks: any thickness | 1 cum | 73679 |
| 182 | BMT-E.15 | Sal Wood scantlings: any length | 1 cum | 51994 |
| 183 | BMT-E.16 | Sal Wood Plancks: any thickness | 1 cum | 69327 |
| 184 | BMT-E.17 | A.C sheet Corrugated 6 mm thick | 1 sqm | 222 |
| 185 | BMT-E.18 | A.C sheet plain 4 m thick | 1 sqm | 159 |
| 186 | BMT-E.19 | A.C sheet plain 6 m thick | 1 sqm | 165 |
| 187 | BMT-E.20 | Plain or Corrugated Galvanized iron sheets as per IS 277 (0.1 mm to 0.8 mm thickness) | 1 kg | 60 |
| 188 | BMT-E.21 | Supply of UV resistant multi-wall polycarbonate sheets for roofing of any colour - 6 mm thick | 1 Sqm | 1290 |
| 189 | BMT-E.22 | Aluminium universal glazing set 40 mm wide for jointing and fixing polycarbonate sheets | 1 RM | 128 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|--|-------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| | F. | MILD, GALVANIZED & STAINLESS STEEL (Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking) | | |
| 190 | BMT-F.01 | Mild Steel Hallow single rebate general purpose door frames manufactured using cold roll formed process steel sheet of 1.25 mm thick bright (Cold Rolled Close Annealed (CRCA) and profile-B of size 105 x 60 mm conforming to IS 4351 - 2003 including pretreatment, phosphating with Hinges, Base Ties, Holdfast Lugs, Mortar Guards, shock absorbers and provision for Tower Bolts, Aldrops, Lock & Strike plates etc. for both single and double shutter doors | 1 Rm | 378 |
| 191 | BMT-F.02 | Country Nails | 1 Kg | 61 |
| 192 | BMT-F.03 | Wire Nails | 1 Kg | 61 |
| 193 | BMT-F.04 | Mild Steel Tubes & pipes of all diameters as per IS-1161 | 1 Kg | 61 |
| 194 | BMT-F.05 | Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters - 202 Grade | 1 Kg | deleted |
| 195 | BMT-F.06 | Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade | 1 Kg | 391 |
| 196 | BMT-F.07 | Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type A - IOWA Type Designation as per standard specification | 1 Kg | 82 |
| 197 | BMT-F.08 | Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type B - Glidden Type Designation as per standard specification | 1 Kg | 82 |
| 198 | BMT-F.09 | Expanded metal sheets as per IS-412-1962- Light Weight-25 mm(SWM)x75 mm (LWM)3.25 mm Wide and 1.25 mm thick | 1 Sqm | 146 |
| 199 | BMT-F.10 | Expanded metal sheets as per IS-412-1962- Light Weight-20 mm(SWM)x60 mm(LWM) 2.50 mm Wide and 1.25 mm thick | 1 Sqm | 146 |
| 200 | BMT-F.11 | Expanded metal sheets as per IS-412-1962- Light Weight-20 mm(SWM)x50 mm(LWM) 2.50 mm Wide and 1.25 mm thick | 1 Sqm | 146 |
| 201 | BMT-F.12 | Expanded metal sheets as per IS-412-1962- Medium Weight-25 mm(SWM)x75 mm(LWM) 3.25 mm Wide and 1.60 mm thick | 1 Sqm | 200 |
| 202 | BMT-F.13 | Expanded metal sheets as per IS-412-1962- Medium Weight-20 mm(SWM)x60 mm(LWM) 2.50 mm Wide and 1.60 mm thick | 1 Sqm | 200 |
| 203 | BMT-F.14 | Expanded metal sheets as per IS-412-1962- Medium Weight-20 mm(SWM)x50 mm(LWM) 2.50 mm Wide and 1.60 mm thick | 1 Sqm | 200 |
| 204 | BMT-F.15 | Expanded metal sheets as per IS-412-1962- Heavy Weight-25 mm(SWM)x75 mm(LWM) 3.25 mm Wide and 2.24 mm thick | 1 Sqm | 228 |
| 205 | BMT-F.16 | Expanded metal sheets as per IS-412-1962- Heavy Weight-20 mm(SWM)x60 mm(LWM) 2.50 mm Wide and 2.24 mm thick | 1 Sqm | 228 |
| 206 | BMT-F.17 | Expanded metal sheets as per IS-412-1962- Heavy Weight-20 mm(SWM)x50 mm(LWM) 2.50 mm Wide and 2.24 mm thick | 1 Sqm | 228 |
| 207 | BMT-F.18 | Galvanized Iron fly proof wire mesh of not less than 20 gauge | 1 Sqm | 217 |
| 208 | BMT-F.19 | Stainless steel fly proof wire mesh of not less than 20 gauge | 1 Sqm | 527 |
| 209 | BMT-F.20 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 2"x2" (50 mm x 50 mm) - 8 Gauge | 1 Sqm | 477 |
| 210 | BMT-F.21 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 2½"x2½" (63 mm x 63 mm) - 8 Gauge | 1 Sqm | 378 |
| 211 | BMT-F.22 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 3"x3" (76 mm x 76 mm) - 8 Gauge | 1 Sqm | 322 |
| 212 | BMT-F.23 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 4"x4" (102 mm x 102 mm) - 8 Gauge | 1 Sqm | 239 |
| 213 | BMT-F.24 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 2"x2" (50 mm x 50 mm) - 8 Gauge | 1 Sqm | 575 |
| 214 | BMT-F.25 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 2½"x2½" (63 mm x 63 mm) - 8 Gauge | 1 Sqm | 477 |
| 215 | BMT-F.26 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 3"x3" (76 mm x 76 mm) - 8 Gauge | 1 Sqm | 393 |
| 216 | BMT-F.27 | Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 4"x4" (102 mm x 102 mm) - 8 Gauge | 1 Sqm | 307 |
| 217 | BMT-F.28 | Rabbit wire mesh (chicken mesh) of not less than 30 gauge | 1 Sqm | 17 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|--|-------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 218 | BMT-F.29 | Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108 | 1 Sqm | 2861 |
| 219 | BMT-F.30 | Supplying & fixing collapsible steel shutters with vertical, double channel of 20 x10x2 mm of 100 mm centre ,Bracers with flat iron 40x40x6 mm with 38 mm dia steel pulleys, the top, bottom and side vertical frames of the collapsible gate with 65x65mmx8mm MS Angle and middle guide rail at site height with 65mmx8mm MS flat for the pulleys to guide and fixed with necessary hold fasts, bolts, nuts, rivets, locking arrangements, stoppers, handles, all accessories all fixtures and painted with one coat of approved steel primer etc., complete for finished item of work as per special spn 1105 | 1 Sqm | 2503 |
| 220 | BMT-F.31 | Powder Coated Mild Steel Hallow single rebate door frames manufactured using cold roll formed process steel sheet of 1.25 mm thick bright (Cold Rolled Close Annealed (CRCA) and profile size of 105 x 60 mm conforming to IS 4351 - 2003 including pretreatment, Galvanized as per IS:277, zinc phosphating finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 60 – 65 microns(Dry film thickness)Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame with Hinges, Base Ties, Holdfast Lugs, Mortar Guards, shock absorbers and provision for Tower Bolts, Aldrops, Lock & Strike plates etc. for both single and double shutter doors | 1 RM | 696 |
| 221 | BMT-F.32 | Supply and Fixing Door Frames made of Skin pass galvanized Iron Sheet (conform to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams/ Sq.mtr) with pure polyester powder coating of 60 - 65 Microns (Dry Film thickness) manufactured from 1.2 mm thick galvanized steel sheet formed to single rebate profile of size 100 mm x 58 mm fitted with "TEE" anchors and supplied to knock down /welded form with Miter Joint for Bolted Assembly at site, cleaned and coated with Polyurethane powder coating of thickness 65 – 75 microns (Dry Film Thickness) & Oven Baked at 200 Degree Centigrade for Wood Grain finish, Stainless Steel Ball Bearing Butt Hinges of 102 x 76 x 3mm thick fixed flush to the frame | 1 RM | deleted |
| 222 | BMT-F.33 | Supply and Fixing Door Frames made of Skin pass galvanized Iron Sheet (conform to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams/ Sq.mtr) with pure polyester powder coating of 60 - 65 Microns (Dry Film thickness) manufactured from 1.2 mm thick galvanized steel sheet formed to double rebate profile of size 148 mm x 58 mm fitted with "TEE" anchors and supplied to knock down /welded form with Miter Joint for Bolted Assembly at site, cleaned and coated with Polyurethane powder coating of thickness 65 – 75 microns (Dry Film Thickness) & Oven Baked at 200 Degree Centigrade for Wood Grain finish, Stainless Steel Ball Bearing Butt Hinges of 102 x 76 x 3mm thick fixed flush to the frame | 1 RM | deleted |
| | G. | FIXTURES FOR DOORS & WINDOWS | | |
| 223 | BMT-G.01 | Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long | Each | 177 |
| 224 | BMT-G.02 | Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long | Each | 260 |
| 225 | BMT-G.03 | Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long | Each | 347 |
| 226 | BMT-G.04 | Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long | Each | 431 |
| 227 | BMT-G.05 | Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long | Each | 530 |
| 228 | BMT-G.06 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long | Each | 77 |
| 229 | BMT-G.07 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long | Each | 95 |
| 230 | BMT-G.08 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long | Each | 114 |
| 231 | BMT-G.09 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long | Each | 141 |
| 232 | BMT-G.10 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long | Each | 170 |
| 233 | BMT-G.11 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long | Each | 198 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|--|------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 234 | BMT-G.12 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long | Each | 534 |
| 235 | BMT-G.13 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long | Each | 676 |
| 236 | BMT-G.14 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long | Each | 26 |
| 237 | BMT-G.15 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long | Each | 38 |
| 238 | BMT-G.16 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long | Each | 56 |
| 239 | BMT-G.17 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long | Each | 75 |
| 240 | BMT-G.18 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long | Each | 93 |
| 241 | BMT-G.19 | Brass Butt hinges (IS:205)- 75 mm Long | Each | 73 |
| 242 | BMT-G.20 | Brass Butt hinges (IS:205)- 100 mm Long | Each | 240 |
| 243 | BMT-G.21 | Brass Butt hinges (IS:205)- 125 mm Long | Each | 290 |
| 244 | BMT-G.22 | Brass Butt hinges (IS:205)- 150 mm Long | Each | 383 |
| 245 | BMT-G.23 | Aluminium Butt hinges (IS:205)- 75 mm Long | Each | 111 |
| 246 | BMT-G.24 | Aluminium Butt hinges (IS:205)- 100 mm Long | Each | 132 |
| 247 | BMT-G.25 | Aluminium Butt hinges (IS:205)- 125 mm Long | Each | 159 |
| 248 | BMT-G.26 | Aluminium Butt hinges (IS:205)- 150 mm Long | Each | 165 |
| 249 | BMT-G.27 | MS-Powder Coated Butt hinges (IS:205)- 75 mm Long | Each | 12 |
| 250 | BMT-G.28 | MS-Powder Coated Butt hinges (IS:205)- 100 mm Long | Each | 23 |
| 251 | BMT-G.29 | MS-Powder Coated Butt hinges (IS:205)- 125 mm Long | Each | 34 |
| 252 | BMT-G.30 | MS-Powder Coated Butt hinges (IS:205)- 150 mm Long | Each | 44 |
| 253 | BMT-G.31 | Aluminium Door Handles (IS:208) 75 mm Long | Each | 75 |
| 254 | BMT-G.32 | Aluminium Door Handles (IS:208) 100 mm Long | Each | 84 |
| 255 | BMT-G.33 | Aluminium Door Handles (IS:208) 125 mm Long | Each | 126 |
| 256 | BMT-G.34 | Aluminium Door Handles (IS:208) 150 mm Long | Each | 140 |
| 257 | BMT-G.35 | MS-Powder Coated Door Handles (IS:208) 125 mm Long | Each | 34 |
| 258 | BMT-G.36 | MS-Powder Coated Door Handles (IS:208) 150 mm Long | Each | 50 |
| 259 | BMT-G.37 | Brass Aldrop (IS:2681) 300 mm long | Each | 1284 |
| 260 | BMT-G.38 | Brass Aldrop (IS:2681) 350 mm long | Each | 2473 |
| 261 | BMT-G.39 | Brass Aldrop (IS:2681) 450 mm long | Each | 3522 |
| 262 | BMT-G.40 | Aluminium Aldrop (IS:2681) 200 mm long | Each | 329 |
| 263 | BMT-G.41 | Aluminium Aldrop (IS:2681) 250 mm long | Each | 391 |
| 264 | BMT-G.42 | Aluminium Aldrop (IS:2681) 300 mm long | Each | 425 |
| 265 | BMT-G.43 | MS-Powder Coated Aldrop (IS:2681) 200 mm long | Each | 115 |
| 266 | BMT-G.44 | MS-Powder Coated Aldrop (IS:2681) 250 mm long | Each | 151 |
| 267 | BMT-G.45 | MS-Powder Coated Aldrop (IS:2681) 300 mm long | Each | 181 |
| 268 | BMT-G.46 | Brass Door Stoppers | Each | 198 |
| 269 | BMT-G.47 | Brass Windows Stay | Each | 224 |
| 270 | BMT-G.48 | Aluminium Flat Latches: 200 mm long | Each | 159 |
| 271 | BMT-G.49 | Aluminium Flat Latches: 250 mm long | Each | 179 |
| 272 | BMT-G.50 | Aluminium Flat Latches: 300 mm long | Each | 188 |
| 273 | BMT-G.51 | MS-Powder Coated Flat Latches: 250 mm long | Each | 58 |
| 274 | BMT-G.52 | MS-Powder Coated Flat Latches: 300 mm long | Each | 73 |
| 275 | BMT-G.53 | MS-Powder Coated - Door Stoppers | Each | 50 |
| 276 | BMT-G.54 | Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings | RM | 128 |
| 277 | BMT-G.55 | Supply & fixing drapery bracket - brass powder coated | pair | 451 |
| 278 | BMT-G.56 | Deluxe window stay Aluminium | Each | 144 |
| 279 | BMT-G.57 | Heavy duty Aluminium Door stopper | Each | 63 |
| 280 | BMT-G.58 | Brass fancy handles 150 mm | Each | 335 |
| 281 | BMT-G.59 | Brass fancy handles 200 mm | Each | 454 |
| 282 | BMT-G.60 | Brass fancy handles 250 mm | Each | 819 |
| 283 | BMT-G.61 | Brass fancy handles 300 mm | Each | 1045 |
| 284 | BMT-G.62 | Brass fancy handles 450 mm | Each | 1635 |
| 285 | BMT-G.63 | Providing and fixing Cast Iron Body Bottle Type Hydraulic Door Closer (IS: 3564) with double speed adjustment, with necessary accessories and screws etc. complete | Each | 1035 |
| 286 | BMT-G.64 | Double action Stainless steel cover plate and cast body iron floor spring (IS 6315- Table-1) | Each | 1912 |
| 287 | BMT-G.65 | Double action Brass cover plate and cast brass body floor spring (IS 6315- | Each | 4536 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|--------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | Table-1) | | |
| 288 | BMT-G.66 | Heavy duty mortise lock 6/7 levers (IS:2209) with PC or CP handles complete set | Each | 935 |
| 289 | BMT-G.67 | Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles | Each | 2405 |
| 290 | BMT-G.68 | Brass latch heavy 300 mm | Each | 644 |
| 291 | BMT-G.69 | Brass latch heavy 350 mm | Each | 740 |
| 292 | BMT-G.70 | Brass latch heavy 450 mm | Each | 976 |
| 293 | BMT-G.71 | Friction stay hinges for windows | Each | 107 |
| 294 | BMT-G.72 | Keyless lockset for toilet doors with CP or PC knob handles (complete set) | Each | 348 |
| 295 | BMT-G.73 | Keyless lock set for toilet doors with brass knob handles | Each | 921 |
| 296 | BMT-G.74 | Providing and fixing Aluminium Extruded Section Body Tubular Type Hydraulic Door Closer (IS: 3564) with double speed adjustment with necessary accessories and screws etc. complete (Type-1: for width of doors up to 700 mm) | Each | 1198 |
| 297 | BMT-G.75 | Providing and fixing Aluminium Extruded Section Body Tubular Type Hydraulic Door Closer (IS: 3564) with double speed adjustment with necessary accessories and screws etc. complete (Type-2: for width of doors 701 to 850 mm) | Each | 1282 |
| 298 | BMT-G.76 | Providing and fixing Aluminium Extruded Section Body Tubular Type Hydraulic Door Closer (IS: 3564) with double speed adjustment with necessary accessories and screws etc. complete (Type-3: for width of doors 851 to 1000 mm) | Each | 1345 |
| 299 | BMT-G.77 | Providing and fixing double action brass cast hydraulic floor spring (IS:6315-Table 1) for doors including cost of cutting floors as required, embedding in floors and S.S./ Brass cover plates with brass pivot and single piece M.S. Sheet outer box with slide plate etc. complete (door weight capacity up to 130 kgs) | Each | 3788 |
| 300 | BMT-G.78 | Providing and fixing double action brass cast hydraulic floor spring (IS:6315-Table 1) for doors including cost of cutting floors as required, embedding in floors and S.S.cover plates with brass pivot and single piece M.S. Sheet outer box with slide plate etc. complete (door weight capacity up to 80 kgs) | Each | 2816 |
| 301 | BMT-G.79 | Providing of brass cast body Floor Spring IS: 6315 sleek in size with the S.S. / Brass Cover plates of Length 320 mm x Breadth 130 mm size along with the Top Patch, Bottom Patch, Door Lock and Pivot with Double Cylinder etc. complete for Heavy duty Glass doors. | Each | 12513 |
| | H. | WATER PROOFING CHEMICALS & ADMIXTURES | | |
| | | <i>Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.</i> | | |
| 302 | BMT-H.01 | Supply of cement based Impervious Water Proofing powder compound | 1 Kg | deleted |
| 303 | BMT-H.02 | Providing Tar felting roof repairs with Rainseal Felt/ Zori-felt BT or equivalent duly applying one coat of appropriate grade of bitumen in hot condition @ 0.2 Kg/1Sqm of roof area, fixing tar felt (Manufactures to IS 1322/1972 specification), applying second coat of appropriate grade of hot bitumen at 1.20 Kg/1Sqm of roof area and spreading coarse aggregate (sand) at 0.063 cum per 1 Sqm of roof area finished item | 1 Sqm | deleted |
| 304 | BMT-H.03 | Providing waterproofing treatment by supplying and applying Rainseal HDP 1500 /ROOFSHIELD-1500 OR ZORISHIELD-1500 equivalent (1.50 mm thickness, 2.25Kg per Sq. Mt and 20 X1 Mtr. roll with a centre core of 90 micron thickness HMHDPE film) Water Proofing Membrane. A) apply one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix "Rainseal HDP 1500/ROOFSHIELD-1500 OR equivalent " water proofing membrane, apply second coat of Bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and apply one coat of Rainseal SAP-BITUMINOUS ALUMINIUM PAINT for heat resistance for finished item | 1 Sqm. | deleted |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|---------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 305 | BMT-H.04 | Providing chemical waterproof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with Conproof NO.1/ Rain Proof No 1/Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing chemical compound, laid over roof slab and brickbat coba treatment in chemical cement mortar 100 mm thick at the centre and 80 mm thick at the edges finished smooth with a floating coat of chemical mixed cement mortar as per the manufacturer specification including cost and conveyance of all materials like sand, chemical- Conproof NO.1/ Rain Proof No 1 Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing compound, water etc., to site, including seigniorage charges and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth curing including rounding off junctions of wall and slab etc., complete for finished item of work (with a guarantee of 10 years) | 1 Sqm | deleted |
| 306 | BMT-H.05 | Providing chemical waterproof treatment with Brick bat coba & chemical cement mortars to exposed RCC roof slab surfaces to required slopes mixed with – Conproof NO.1/ Rain Proof No 1/Zoriproof (100 ML Per Bag of 50 Kgs Cement) waterproofing chemical compound, laid over roof slab and brickbat coba treatment in chemical cement mortar 80 mm thick at the centre and 60 mm thick at the edges finished smooth with a floating coat of chemical mixed cement mortar as per the manufacturer specification including cost and conveyance of all materials like sand, chemical – Conproof NO.1/ Rain Proof No 1/Zoriproof (100 mL Per Bag of 50 Kgs Cement) waterproofing compound, water etc., to site, including seigniorage charges and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth curing including rounding off junctions of wall and slab etc., complete for finished item of work (with a guarantee of 10 years) | 1 Sqm | deleted |
| 307 | BMT-H.06 | Construction Chemicals, Epoxy & Admixtures - Chloride free water reducing and plasticizing admixture : Consplax/ Conflow SNP1 Zoriplast (Dosage : 20 ml Per Bag of 50 Kgs Cement) or equivalent | 1 litre | deleted |
| 308 | BMT-H.07 | High strength Acrylic blended plasticizer and Water reducing agent - Roofplast HS 100/ Conflow SNP20 or Zoriplast HS (Dosage : 400 ml to 500 ml Per Bag of 50 Kgs Cement) | 1 litre | deleted |
| 309 | BMT-H.08 | Quick setting, rapid hardening and water proofing compound - : Rapidstrong QS/Conflow SNPA or ZorirapidR or Equivalent (Dosage : 1 to 3 Ltrs per bag of 50 Kgs Cement depending on the setting time required). | 1 litre | deleted |
| 310 | BMT-H.09 | Chloride free super plasticizer for high range water reducing admixture : Roofplast SP 35/Conflow SNS 1 or Zoriplast SP 350 (Dosage: 200 ml to 500 ml per bag of 50 Kgs Cement) or equivalent. | Litre | deleted |
| 311 | BMT-H.10 | Chloride free super plasticizer for high early strength and high range water reducing admixture : Roof plast SP 45/Conflow SNS 2 or Zoriplast SP 450 (Dosage: 200 ml to 500 ml per bag of 50 Kgs Cement) or equivalent. | Litre | deleted |
| 312 | BMT-H.11 | Set accelerator and plasticizer: Roofplast SCA/ Conflow SNA or Zoriset or Equivalent (Dosage:1 Kg to 3 Kgs per bag of 50 Kgs Cement depending on the setting time required) | Kgs | deleted |
| 313 | BMT-H.12 | Chloride free High power slump retaining and retarding plasticizer: Roofplast RT5/Conflow SNR or Zoriplast RT5 (Dosage: 15ml to 40 ml per bag of 50 Kgs Cement) or Equivalent. | Litre | deleted |
| 314 | BMT-H.13 | Air Entraining Agent: Roofplast AEA/ Conflow SNE or Zoriplast AEA (Dosage : 5ml to 25 ml per bag of 50 Kgs Cement) or Equivalent (Dosage : 15ml per Bag of 50 Kgs Cement) | Litre | deleted |
| 315 | BMT-H.14 | Chloride free super plasticizer, high range water reducing and retarding admixture - Roofplast SR5/Conflow SNS-3 SPL or Zoriplast SRT5 (Dosage : 300 ml to 400 ml per bag of 50 Kgs Cement) or equivalent | Litre | deleted |
| 316 | BMT-H.15 | Retarding super plasticizer: Conflow SNS-3 or Accelerating Plasticizers : Roofplast SA/ Zoriplast AC (Dosage : 500 ml to 1 Ltr per bag of 50 Kgs Cement) or Equivalent. | Litre | deleted |
| 317 | BMT-H.16 | Waterproof Cement Mortar Plasticizer : Roofpalst MP/ Morflow SN 1 or Zoriplast MP (Dosage : 100 ml per bag of 50 Kgs Cement) or Equivalent. | Litre | deleted |
| 318 | BMT-H.17 | Integral Cement Waterproofing Compound : Conproof No.1/ Rainproof No.1/Conflow SNW1 or Zoriproof (Liquid Form) (Dosage : 100 ml Per Bag of 50 Kgs Cement) | Litre | deleted |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|-----------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 319 | BMT-H.18 | Integral Cement Waterproofing Compound :Conproof No.1/ Rainproof No.1/Conflow SNW2 or Zoriproof (Powder Form) (Dosage : 500 Grams per bag of 50 Kgs Cement) or Equivalent. | Kg | deleted |
| 320 | BMT-H.19 | High plasticizing cement waterproofing liquid based on naphtha lane formaldehyde : Conproof LW 200/ Rainproof LW SPL/Conflow SNW2 - 750 Gms or Zorishield 200 or Equivalent. (Dosage:200 ml per Bag of 50 Kgs Cement) | Litre | deleted |
| 321 | BMT-H.20 | Block Admixture: Roofplast BA/ Conflow SNB or Zoriplast BA (Dosage: 20 ml to 25ml per bag of 50 Kgs Cement) or Equivalent. | Litre | deleted |
| 322 | BMT-H.21 | Sprayed Concrete Accelerator: Shotset SN1 or Roofplast SA/ Zoriset SCA or Equivalent (Dosage : 500 ml – 2.5 Ltrs/bag of Cement). | Kg | deleted |
| 323 | BMT-H.22 | Surface treatment water Based high power curing compounds: Curaid SN1 or Roofexcure WB/Zoricure WB (Coverage : 5-6 Sq. Mtrs / Ltr / Coat) or Equivalent. | Litre | deleted |
| 324 | BMT-H.23 | Concrete wax based pigmented curing compound : Curaid SN2 or Roofexcure WX/Zoricure SB or Equivalent. (Coverage : 4-5 Sq. Mtrs / Ltr / Coat) | Litre | deleted |
| 325 | BMT-H.24 | Formwork & Mould Treatment: Roofcare MRA/ Shutterol SNU or Zorislip or Equivalent. (Coverage: 1 Ltr Zorislip will cover approx 20 to 30 m2 on method and material of the form) | Litre | deleted |
| 326 | BMT-H.25 | Cleaning and acid etching agents: Tilex Kleen AC/ Uniklen SN1 or Zorikleen AC or Equivalent. | Litre | deleted |
| 327 | BMT-H.26 | Ready to use universal degreasing and cleaning agents:Tilex Kleen DA/ Uniklen SN2 or Zorikleen DA or Equivalent. | Litre | deleted |
| 328 | BMT-H.27 | Liquid Cleaning Agent: Tilex Kleen LC/ Uniklen SN3 or Zorikleen LC or Equivalent. | Litre | deleted |
| 329 | BMT-H.28 | Non-shrink Free flow high strength injection grout : Rapidstrong Grout GP2/ Expacrete SN50 or Zorigrout GP 2 or Equivalent. (Yield 13.5 Ltrs Per 25 Kgs Bag). | Kg | deleted |
| 330 | BMT-H.29 | Non-shrink Free flow grout: Rapidstrong Grout GP3/Expacrete SN70 or Zorigrout GP 3 | Kg | deleted |
| 331 | BMT-H.30 | Non-shrink Free flow grout: Rapidstrong Grout GP4/ Expacrete SN90 or Zorigrout GP 4 | Kg | deleted |
| 332 | BMT-H.31 | High strength cementitious non-shrink Free flow grout : Rapidstrong Grout Admix/ Expacem SN2 or Zorigrout GP 1 or Equivalent. (250 Gms per Bag of 50 Kgs Cement). | 1 Kg pack | deleted |
| 333 | BMT-H.32 | Low viscosity Epoxy resin injection grout (Two parts) :Rapidstrong Grout EP/Expacrete SNE 1 or Zorigrout EP or Equivalent.(Density 1.07 Kg Per Ltr) | Kg | deleted |
| 334 | BMT-H.33 | Epoxy Resin Grouts:Rapidstrong Grout EP3/ Expacrete SNE 3 or Zorigrout EP 3 or Equivalent. | Kg | deleted |
| 335 | BMT-H.34 | High Power Polyester Resin Anchor Grout: Rapidstrong Grout AG/Anchorset SN1 or Zorifix or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack) | Kg | deleted |
| 336 | BMT-H.35 | High strength, high polyester resin grouts – Rapidstrong AG Pride/Anchorset SN2 or Zorifix XL or Equivalent. (Yield 0.5 Ltrs / 1 Kg Pack) | Kg | deleted |
| 337 | BMT-H.36 | Non-metalic Floor Hardeners : Rapidstrong NH/Flortop SNC or Zorifloor DH or Equivalent. (Coverage : May be applied at rate 3.5 Kgs /m2 over green concrete for normal traffic & 6-12 Kg / M2 for heavy traffic. Higher application rates yield better abrasion resistance) | Kg | deleted |
| 338 | BMT-H.37 | Non oxidizing, heavy duty metallic Floor Hardeners:Rapidstrong FM/ Flortop SNS or Zorifloor NH or Equivalent. | Kg | deleted |
| 339 | BMT-H.38 | Epoxy Floor coating: Procoat SNF or Food neutral Epoxy waterproof / damproof coating : Roofcare EP/ Zoricoat EP or Equivalent. (Coverage : 70 to 80 SFT / Per Ltr / coat) | Kg | deleted |
| 340 | BMT-H.39 | Polysulphide modified epoxy coatings: Procoat SNS or Roofcare EPS/Zoricoat EPS or Equivalent (Coverage : 250 to 300 Gms / M2 and forms a DFT of 175 to 200 Micron) | Kg | deleted |
| 341 | BMT-H.40 | Essenputty SNE or Epoxy putty - Roofcrete Putty EP/ Zoriputty EP or Equivalent | Kg | deleted |
| 342 | BMT-H.41 | Zincrich epoxy resin primer - Roofguard ZP/Procoat SNZ or Zoriguard ZP or Equivalent (Coverage : 4-5 Sq.Mtr. /Ltr / Coat) | Kg | deleted |
| 343 | BMT-H.42 | Chemical resistance, fungus resistance water based polyurethane sterile coating : Roofcare PU/ Procoat SNL or Zoristerile or Equivalent (Coverage : 60 to 65 SFT / 2 Coats / Ltr) | Pack | deleted |

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| 344 | BMT-H.43 | Solvent free chemical resistant Epoxy self leveling (for food and pharmaceutical industry) Flooring system: Armstrong FL-SL/Flortop SNSL or Zorifloor SL or Equivalent. (8.25 to 0.30 M2 / Kg mix with 2mm thickness) | Kg | deleted |
| 345 | BMT-H.44 | Self leveling self smoothing water based epoxy floor topping : Armstrong FL-SLW/Flortop SNSL-SPL or ZORIFLOOR SLW - 1.5- 3mm or Equivalent (Coverage : 4.5m2 / 17 Kg Pack @ 2mm thickness depending on the substrate) | Kg | deleted |
| 346 | BMT-H.45 | High build heavy duty epoxy resin floor coating : Armstrong HBF/ Flortop SNM or Zorifloor HB or Equivalent. (Coverage : Base coat 10- 12 m2/ 5 Kg @ 250 microns DFT) | Kg | deleted |
| 347 | BMT-H.46 | Epoxy based repair mortar / concrete : Roofcrete EP/ Flortop SNFM or Zoricrete EP or Equivalent. | Litre | deleted |
| 348 | BMT-H.47 | Solvent free Epoxy resin primer for floor coatings : Florcoat SNP or Roofbond EP Primer/ Zoriprime EP or Equivalent. (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.) | Pack | deleted |
| 349 | BMT-H.48 | Solvent free epoxy resin primer for protective coatings – Procoat SNC or Roofbond EPF Primer/ Zoriprime EPF or Equivalent (Coverage : 3 Kg unit covers about 13m2 for DFT of about 120 micron.) | Pack | deleted |
| 350 | BMT-H.49 | Epoxy Primer for floor coatings and protective coatings - Procoat SNP or Roofbond EFC Primer/ Zoriprime EFC or Equivalent. | Pack | deleted |
| 351 | BMT-H.50 | Epoxy primer for Hibond floor & protective coatings : Procoat SNP2 or Roofbond EFC2 Primer/Zoriprime EFC 2 | Pack | deleted |
| 352 | BMT-H.51 | Cementitious Micro concrete Repair products: Repcrete SNC or Roofcrete MC/Zoricrete MC or Equivalent. | Kg | deleted |
| 353 | BMT-H.52 | Repair Products: Repcrete SNE1 or Epoxy mortar - Roofcrete EP/Zoricrete EPM or Equivalent | Kg | deleted |
| 354 | BMT-H.53 | Under water epoxy resin system for repair products : Repcrete SNW or Roofcrete EUW/Zoricrete EUW or Equivalent. | Kg | deleted |
| 355 | BMT-H.54 | Under water epoxy resin system mortar – Repcrete SNW Mortar or Roofcrete EUW/Zoricrete EMU | Kg | deleted |
| 356 | BMT-H.55 | Fast setting cement based plugging compound - Uniplug SN or Wonderseal Plug/Zoriplug or Equivalent (Powder Form : mix with water direct application) | Kg | deleted |
| 357 | BMT-H.56 | High durable cementitious acrylic based two pack Waterproofing systems : Aqua coat SNF or Roofbond RFX/Zoricoat RX or Equivalent. (12 – 14 m2 in two coats to achieve 1mm thickness) | Kg | deleted |
| 358 | BMT-H.57 | Water Repellents: Aquarepel SN1 or Water based silicon water repellent, Nano technology - Rain care WR/Zoripel WB or Equivalent | Litre | deleted |
| 359 | BMT-H.58 | Tile Adhesives: Tilegrip SNU or Tilex/ Zorimix or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs) | Kg | deleted |
| 360 | BMT-H.59 | Acrylic based Bonding Adhesives: Conbond SNA or Roofbond PB/ Zoribond PB or Equivalent. (Mix: 1:1 ratio of cement 50 SFT / Ltr /coat depending on the substrate) | Litre | deleted |
| 361 | BMT-H.60 | Epoxy based Bonding adhesive: Conbond SNE or Roofbond EP/Zoribond EP or Equivalent. (Coverage : 20 – 25 SFT / Kg /Coat) | Pack | deleted |
| 362 | BMT-H.61 | Supply of anti-corrosion admixture inhibitor liquid as per Central Electro Chemical Research Institute developed specification and licensee of Concave or Concave Plus or Equivalent (300 ml to 500 ml per Bag of 50 Kgs Cement) | Litre | deleted |
| 363 | BMT-H.62 | HI-BOND: Concrete Plasticizers: HI-PLAST 01 or Roofbond High plast (Dosage : 100 ml Per Bag of 50 Kgs Cement) | Litre | deleted |
| 364 | BMT-H.63 | Concrete Plasticizers: HI-PLAST 02 or Roofbond High plast – 2 (Dosage : 200 ml per bag of 50 Kgs Cement) | Litre | deleted |
| 365 | BMT-H.64 | Concrete Plasticizers: HI-PLAST PA or Roofbond AC | Litre | deleted |
| 366 | BMT-H.65 | Super Plasticizers: HI-PLAST SP or Roofbond SP 30 | Litre | deleted |
| 367 | BMT-H.66 | Super Plasticizers: HI-PLAST SP AR or Roofbond SP 40 | Litre | deleted |
| 368 | BMT-H.67 | Accelerating Plasticizers: HI-PLAST AR or Concrete plasticizing, water reducing and accelerating admixture - Roofbond PA (Dosage: 500 ml to 1000 ml Per Bag of 50 Kgs Cement) or Equivalent. | Litre | deleted |
| 369 | BMT-H.68 | Retarding Plasticizers: HI-PLAST RT or Roofbond RT 30 | Litre | deleted |
| 370 | BMT-H.69 | Air Entraining Agents: HI-PLAST A.E or Roofbond AEA | Litre | deleted |

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| 371 | BMT-H.70 | Retarding Super Plasticizers: HI-PLAST SP RT or Roofbond SR 30 | Litre | deleted |
| 372 | BMT-H.71 | HI-PLAST RSP or Roofbond SR 40 or Equivalent. | Litre | deleted |
| 373 | BMT-H.72 | Mortar Plasticizers: HI-PLAST MP or Roofbond MP (Dosage : 100 ml Per Bag of 50 Kgs Cement) | Litre | deleted |
| 374 | BMT-H.73 | Integral Water Proofing compounds: HI-PROOF (L) or Liquid Concentrated Micronized Cement Waterproofing Compound : Roofguard 500/Roofbond 500 (Dosage : 500 ml per bag of 50 Kgs Cement) or Equivalent. | Litre | deleted |
| 375 | BMT-H.74 | HI-PROOF (P) or Conoproof P/Roofbond - P or Equivalent (Dosage : 1 Kg Per Bag of 50 Kgs Cement). | Kg | deleted |
| 376 | BMT-H.75 | or Roofbond 750 or Equivalent | Litre | deleted |
| 377 | BMT-H.76 | Block Admixtures: HI-ADMIX or Roofbond BA or Equivalent (Dosage : 20 ml Per bag of 50 Kgs Cement) | Litre | deleted |
| 378 | BMT-H.77 | Sprayed Concrete Accelerators: HI-ACCEL or Roofbond SA or Equivalent. (Dosage : 50 Grams to 1 Kg Per Bag of 50 Kgs Cement) | Kg | deleted |
| 379 | BMT-H.78 | Surface Treatments curing compounds: HI-CURE 01 or Roofex WB /Roofcoat/ Zoricoat | Litre | deleted |
| 380 | BMT-H.79 | Surface Treatments Polyurethane curing compounds: HI-CURE 02 or Roofex WXB/ Roofcare PU/ Zoricoat PU | Litre | deleted |
| 381 | BMT-H.80 | Surface Treatments Crystalline Repair Products: HI-CRM or Roofex GP2 or Zoripex Equivalent | Kg | deleted |
| 382 | BMT-H.81 | Polyurethane Sealant - Roofseal PU/ Zoriseal PUHI-CRM EX or Roofex EC or Equivalent | Kg | deleted |
| 383 | BMT-H.82 | Polyurethane Sealant - Roofseal PS/ Zoriseal PS/HI-CRM EXW or Roofex EW or Equivalent. | Kg | deleted |
| 384 | BMT-H.83 | HI-CRM EX M or Structural graded polymer modified reinstatement concrete / mortar –Roofcrete AR/ Zoricrete CMG or Equivalent | Kg | deleted |
| 385 | BMT-H.84 | Water Proofing: HI-SHIELD or Liquid applied single component, elastomeric waterproofing membrane coating with -Rain seal/ Zoricoat XL or Equivalent. (Coverage : 50 to 60 SFT Per Ltr / Coat) (for brush / spray application add 20% water per Ltr) As a primer coat application dilute with water @ of 1 : 1 ratio recommended. | Litre | deleted |
| 386 | BMT-H.85 | Water Repellents: HI-REPEL or Solvent based silicon water repellent compound - Roofcare WR/Zoripel SB or Equivalent. (Direct application) | Litre | deleted |
| 387 | BMT-H.86 | Tile Adhesives: HI-ADHESIVE or High strength tile adhesive (tile on tile) : Tilex Grout Hi- Grip/ Zorimix Hi-Grip or Equivalent. (At 3mm thickness 7-9 Sqm / 25 Kgs) | Kg | deleted |
| 388 | BMT-H.87 | Supply of Concare-XL Anti Corrosion and leak proof Crack Proof ,Water Proof ,Concrete Hardener Admixture liquid Dosage (200 ml to 250 ml per Bag of Cement | Litre | deleted |
| 389 | BMT-H.88 | HI-FIX HFE or Epoxy tile mortar - Tilex EH/ Zorimix EH or Equivalent | Pack | deleted |
| 390 | BMT-H.89 | HI-BOND Wall Putty Normal or Grey cement based Gypsum Plaster – Wallstrong GP/Zoritek GP or Equivalent (Coverage : 35 to 40 SFT per bag of 40 Kgs Pack) | Kg | deleted |
| 391 | BMT-H.90 | HI-BOND Wall Putty Fine or Portland cement based plaster finish surface for interior – Wallstrong PC/ Zoritek PC or Equivalent. | Kg | deleted |
| 392 | BMT-H.91 | HI-BOND Wall Putty Super Fine or Acrylic based ready to use surface (white / off white) -Wallstrong WC/ Zoritek WC or Equivalent. (At 1.5 to 2mm thickness 100 - 125 SFT Per Bag of 25 Kgs Pack) | Kg | deleted |
| 393 | BMT-H.92 | HI-BOND Wall Putty Super Fine (Water Resistant) or Smooth crack free, water resistant finish plaster Wallstrong WP/ Zoritek WP or Equivalent | Kg | deleted |
| 394 | BMT-H.93 | POLY-SULPHIDE, BITUMINOUS HOT SEALING COMPOUND: Grade 'A' I.S.I excluding ST or Rainseal BS/ Zoriseal BS Grade 'A' or Equivalent | 1 Kg | deleted |
| 395 | BMT-H.94 | Bitumen solution primer of approved quality: Rainseal BT primer/ Zoriprime BT or Equivalent. | 1 Kg | deleted |
| 396 | BMT-H.95 | Tarfelt Rainseal Felt/ Zorfelt BT Type : 2 Grade : 1 or Equivalent | 1 sqm | deleted |
| 397 | BMT-H.96 | Supply and application of Liquid admixture for concrete with high resistance against water ingress and having surface active agents & refined lignosulphonate Rheomac 707 of BASF | 1 Litre | deleted |
| 398 | BMT-H.97 | Supply and application of two component acrylic modified cementitious system for forming coating to waterproof and resurface concrete, masonry and other construction materials waterproof and flexible coating MASTERSEAL 550 GREY of BASF | 1 Kg | deleted |

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| 1 | 2 | 3 | 4 | 5 |
| 399 | BMT-H.98 | Supply and application of Elastomeric flexible two component polymers modified cementitious system for forming waterproof coating on concrete, masonry & other construction material up to 2mm thick MS550 EL membrane and reinforced with 100% virgin polypropylene woven fabric MASTERSEAL 550 EL of BASF | 1 Kg | deleted |
| 400 | BMT-H.99 | Supply and application of grey cementitious powder polymer additive and cement-based adhesive for fixing ceramic & vitrified wall and floor tiles, quarry tiles and similar materials MASTERTILE 25 of BASF | 1 Kg | deleted |
| 401 | BMT-H.100 | Supply and application of premixed, non-metallic, ready to use powder, designed for application as a dry shake over freshly floated concrete floors or floor screeds to obtain a monolithic floor with enhanced abrasion resistance MASTERTOP 100 (GREY) of BASF | 1 Kg | deleted |
| 402 | BMT-H.101 | Supply and application of synthetic polymers to impart rheoplastic qualities to concrete RHEOBUILD 920 (SH) of BASF | 1 Kg | deleted |
| 403 | BMT-H.102 | Supply of Concare-Plus Admixture Anti Corrosion and leak proof Weather Proof, Concrete Hardener Admixture.Dosage (200 ml to 250 ml per Bag of Cement) | 1 Litre | deleted |
| 404 | BMT-H.103 | Supply of Concare-LP polymer based, leak proof, Admixture liquid, dosage (250 ml to 300 ml per Bag of Cement) | 1 Litre | deleted |
| 405 | BMT-H.104 | Supply Con- life -Water Proof, Leak Proof, Concrete Hardener, Rust Proof, Admixture Liquid Dosage (200 ml to 250 ml per Bag of Cement) | 1 Litre | deleted |
| 406 | BMT-H.105 | Supply of Contech – 2000 bio Product (Powder) Anti Corrosion leak proof, Crack Proof ,Chemical Resistant, whether proof, inhibitor liquid. Dosage (5 to 10% of cement weight Cement) and 15% in serve environmental Condition like marine structures / coastal structures and chemical structures,Godowns, effect | 1 Kg | deleted |
| 407 | BMT-H.106 | Supply of Con – Cura Self Curing Agent Admixture for Concrete. Dosage (100 ml – 250ml per bag (50kgs) of cement depending on the atmospheric temperature and humidity) | 1 Litre | deleted |
| 408 | BMT-H.107 | Supply of Con – Grout Epoxy Pourable Crack / Gap Filling Grout System. Dosage (Varies with climate, Site / Substrate Status. Average density is 1.20 Kg / ltr (System) | 1 Kg | deleted |
| 409 | BMT-H.108 | Supply of Con Mix – XL Liquid super Plasticizer And Waterproofing With Anti Corrosive properties. Dosage (100 MI – 1ltr Per bag (50Kg)of Cement) Dosage Should be finalized after initial site trials | 1 Litre | deleted |
| | | <i>Approved brands, area of application, dosage etc have been appended to this SoR for the guidance for preparation of estimates only. However, literature for usage/ application of construction/ water proofing materials, epoxies etc, may be obtained from the manufacturers, while in execution.</i> | | |
| | | PLASTICIZERS | | |
| 410 | BMT-H.109 | Concrete Plasticizers and Water reducing admixture Conforming to IS:9103-99 | 1 Ltr | 150 |
| 411 | BMT-H.110 | Early High Strength, High water retention, polycarboxylic plasticizers Conforming to IS:9103-1999 | 1 Kg | 140 |
| 412 | BMT-H.111 | High performance super plasticizer and water reducing admixture Conforming to IS: 9103-1999 | 1 Kg | 95 |
| 413 | BMT-H.112 | Super plasticizer for high range water reducing admixture Conforming to IS: 9103-1999 | 1 Kg | 105 |
| 414 | BMT-H.113 | Super plasticizer, high range water reducing and retarding admixture complying with IS:9103-1999 | 1 Kg | 94 |
| 415 | BMT-H.114 | Plasticizer for accelerator for sprayed concrete Conforming to IS: 9103-1999. | 1Kg | 75 |
| | | WATER PROOFING COMPOUNDS | | |
| 416 | BMT-H.115 | Integral Cement Waterproofing Liquid Conforming to IS: I.S. 2645-2003 | 1 Ltr | 210 |
| 417 | BMT-H.116 | High durable cementitious acrylic based waterproofing systems | 1 Kg | 115 |
| 418 | BMT-H.117 | Acrylic Polymer Elastomeric Cementitious Waterproof Coatings | 1 Ltr | 350 |
| 419 | BMT-H.118 | Single component, elastomeric waterproof membrane coating | 1 Ltr | 425 |
| 420 | BMT-H.119 | Quick setting, rapid hardening and water proofing compound Conforming to IS: I.S. 2645-2003 | 1 Ltr | 80 |
| 421 | BMT-H.120 | Highly Flexible Waterproof Acrylic Elastomeric bituminous Blended Coatings | 1 Ltr | 300 |

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| BONDING AGENTS | | | | |
| 422 | BMT-H.121 | Acrylic based Bonding adhesive | 1 Ltr | 150 |
| 423 | BMT-H.122 | Styrene butadiene rubber based bonding agent | 1 Kg | 450 |
| 424 | BMT-H.123 | Two Parts system of Epoxy Bonding adhesive Conforming to ASTM-C 881 | 1 Kg | 870 |
| ANTI-CORROSIVE AGENTS | | | | |
| 425 | BMT-H.124 | Acrylic based Anti corrosive coating | 1 Ltr | 350 |
| 426 | BMT-H.125 | Rust converter -rust encapsulating coating for steel | 1 Ltr | 480 |
| 427 | BMT-H.126 | High range of reinforcement / steel protector against corrosion zinc rich epoxy resin primer | 1 Kg | 750 |
| 428 | BMT-H.127 | Anti corrosion CRPPC (Corrosion Resistant) inhibitive admixture | 1 Lit | 315 |
| GROUTS | | | | |
| 429 | BMT-H.128 | High Power Polyester Resin Anchor Grout Conforming to ASTM-827 | 1 Kg | 300 |
| 430 | BMT-H.129 | Non-shrink Free flow high strength precision grout Conforming to BS 1881 Part 1161983. | 1 Kg | 34 |
| 431 | BMT-H.130 | Low viscosity Epoxy resin injection grout | 1 Kg | 800 |
| 432 | BMT-H.131 | Three component epoxy grout Conforming to IS: ASTM 827 (Three components) | 1 Kg | 160 |
| MISCELLANEOUS CHEMICALS | | | | |
| 433 | BMT-H.132 | Mould / Shutter releasing oil | 1 Ltr | 145 |
| 434 | BMT-H.133 | Non oxidizing, heavy duty metallic Floor Hardeners | 1 Kg | 37 |
| 435 | BMT-H.134 | Non-metallic Floor Hardeners | 1 Kg | 30 |
| 436 | BMT-H.135 | High Strength, Non shrink Micro Concrete for structural repair product. | 1 Kg | 36 |
| 437 | BMT-H.136 | Structural graded polymer modified reinstatement concrete / mortar (Two Part System) | 1 Kg | 85 |
| 438 | BMT-H.137 | Three Component high performance elastomeric mortar. | 1 Kg | 950 |
| 439 | BMT-H.138 | Surface treatment crystalline product. | 1 Kg | 360 |
| 440 | BMT-H.139 | Polyurethane Sealant. 600 ml tube | 1 No | 730 |
| 441 | BMT-H.140 | Polysulphide Sealant. | 1 Kg | 450 |
| 442 | BMT-H.141 | Acrylic Latex caulking compound. | 1 Kg | 335 |
| 443 | BMT-H.142 | Fast setting cement based plugging compound | 1 Kg | 85 |
| 444 | BMT-H.143 | Highly Flexible High Range Polyurethane surface coatings | 1 Ltr | 650 |
| 445 | BMT-H.144 | Coal Tar Epoxy | 1 Kg | 190 |
| 446 | BMT-H.145 | Water Based Acrylic Blended High power curing compound | 1 Kg | 100 |
| 447 | BMT-H.146 | Bituminous hot sealing compound | 1 Kg | 120 |
| 448 | BMT-H.147 | Bitumen solution primer coating. | 1 Kg | 85 |
| 449 | BMT-H.148 | Air Entraining Agent Conforming to IS: 9103-99 | 1 Ltr | 120 |
| REPAIRING & TREATMENT WORKS | | | | |
| 450 | BMT-H.149 | Providing Tar Felting roof repair with approved brand Tar Felt duly applying one coat of appropriate grade of bitumen in hot condition @ 0.2 Kg/1 Sqm of roof area, fixing tar felt (Conforming to IS 1322-1972 specification), applying second coat of appropriate grade of hot bitumen at 1.20 Kg / 1 Sqm of roof area and spreading coarse aggregate (sand) at 0.063 Cum per 1 Sqm of roof area finished item. | 1 Sqm | 260 |
| 451 | BMT-H.150 | Providing waterproofing treatment by supplying and fixing synthetic membrane felt of 1.50 mm thickness, 2.25 Kg per Sq. Mtr. duly applying one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix waterproofing membrane, applying second coat of bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and applying one coat of bituminous aluminum paint for heat resistance for finished item. | 1 Sqm | 360 |
| 452 | BMT-H.151 | Providing and laying of 3mm thick app modified bitumen membrane treatment to the terrace duly [1]removing of existing tar felt. [2]cleaning of the surface from dirt, dust and other contaminations. [3]application of one coat of Bitumen primer [4]providing and laying of 3mm thick APP Modified Bitumen Membrane with 100 mm overlap fixing with butane torch. | 1 Sqm | 490 |
| 453 | BMT-H.152 | providing specialized high performance acrylic polymer modified elastomeric cementitious waterproof coating to the terrace / walls / internal portion of the bathroom & toilets / internal portion of the water tanks duly cleaning of the surface from dirt, dust and other contaminations, providing and application of Two coats of High performance Acrylic polymer modified Elastomeric cementitious waterproof coating (1.8 Sq. Mtr. / Kg /Each Coat) | 1 Sqm | 390 |

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| 454 | BMT-H.153 | Providing specialized high build, elastomeric acrylic bituminous blended coating to the terrace / internal portion of the bathroom / toilets / basements / roofing duly a). Cleaning of the surface. b). Applying primer coat of High Build, Elastomeric Acrylic Bituminous Blended Coating c). Application of Two coats of High Build, Elastomeric Acrylic Bituminous Blended Coating | 1 Sqm | 360 |
| 455 | BMT-H.154 | Providing specialized high solid, cold applied, acrylic elastomeric liquid membrane coating treatment to the terrace / roofing with fiber mesh / geo fabric duly a. Cleaning of the surface from dirt, dust and other contaminations. b. Applying one coat of High solid, Cold applied, Acrylic Elastomeric Liquid Membrane coating c. immediately, Application of one coat of High solid, Cold applied, Acrylic Elastomeric Liquid Membrane coating e. Laying of fiber mesh 40 GSM / Geo fabric 40 GSM on the surface. f. Over the Fiber mesh, Application of two coats of High solid, cold applied, Acrylic Elastomeric Liquid Membrane Coating | 1 Sqm | 570 |
| 456 | BMT-H.155 | Providing specialized polysulphide sealant treatment to the expansion joints (Size : 25mm x 12mm) duly a]. Chipping and removing of existing covering on expansion joints b]. Cleaning of the surface from dirt, dust and other contaminations c]. Application of one coat of - High performance specially designed SBR latex polymer based bonding agent d]. Providing and application of Acrylic Polymer modified reinstatement concrete /mortar to the damaged edges of joint and making the groove. e]. Providing and fixing of masking tape on top of the joint both sides f]. Providing and fixing of Back up support material of Backer rod to leave the depth of 12mm on the joint g]. Providing and application of one coat of polysulphide primer on inner edges of Joint. h]. Providing and application of Two part Polysulphide sealant to a width of 25mm and 12mm depth with putty knife and neat finish i]. Removing of masking tape and providing and application of two coats of Acrylic elastomeric cementitious coating | 1 RM | 650 |
| | I. | GLASS <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| 457 | BMT-I.01 | Plain Float Glass 4 mm thick | 1 sqm | 441 |
| 458 | BMT-I.02 | Plain Float Glass 5 mm thick | 1 sqm | 558 |
| 459 | BMT-I.03 | Plain Float Glass 6 mm thick | 1 Sqm | 693 |
| 460 | BMT-I.04 | Plain Float Glass 8 mm thick | 1 Sqm | 932 |
| 461 | BMT-I.05 | Plain Float Glass 10 mm thick | 1 Sqm | 981 |
| 462 | BMT-I.06 | Plain Float Glass 12 mm thick | 1 Sqm | 1177 |
| 463 | BMT-I.07 | Tinted - Bronze/ Green Glass 4 mm thick | 1 sqm | 515 |
| 464 | BMT-I.08 | Tinted - Bronze/ Green Glass 5 mm thick | 1 sqm | 644 |
| 465 | BMT-I.09 | Tinted - Bronze/ Green Glass 6 mm thick | 1 Sqm | 772 |
| 466 | BMT-I.10 | Tinted - Bronze/ Green Glass 8 mm thick | 1 Sqm | 1104 |
| 467 | BMT-I.11 | Tinted - Bronze/ Green Glass 10 mm thick | 1 Sqm | 1287 |
| 468 | BMT-I.12 | Tinted - Bronze/ Green Glass 12 mm thick | 1 Sqm | 1546 |
| 469 | BMT-I.13 | Pin headed Glass 4 mm thick | 1 sqm | 331 |
| 470 | BMT-I.14 | Pin headed Glass 5 mm thick | 1 sqm | 430 |
| 471 | BMT-I.15 | Frosted / Ground Glass 4 mm thick | 1 sqm | 594 |
| 472 | BMT-I.16 | Frosted / Ground Glass 5 mm thick | 1 sqm | 747 |
| 473 | BMT-I.17 | Toughened Plain Glass 5 mm (including Glass) | 1 sqm | 895 |
| 474 | BMT-I.18 | Toughened Plain Glass 6 mm (including Glass) | 1 sqm | 1034 |
| 475 | BMT-I.19 | Toughened Plain Glass 8 mm (including Glass) | 1 sqm | 1379 |
| 476 | BMT-I.20 | Toughened Plain Glass 10 mm (including Glass) | 1 sqm | 1653 |
| 477 | BMT-I.21 | Toughened Plain Glass 12 mm (including Glass) | 1 sqm | 1929 |
| | J. | PAINTS & POLISHES <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| 478 | BMT-J.01 | Supply of water based Cement Primer of Interior Grade- 1 | 1 Kg | 165 |
| 479 | BMT-J.02 | Supply of water based Cement Primer of Exterior Grade- 2 | 1 Kg | 210 |
| 480 | BMT-J.03 | Supply of Red Oxide Primer Paint for iron works of Grade -1 | 1 Litre | 142 |
| 481 | BMT-J.04 | Supply of Zinc Chromate Yellow Oxide Primer paint for iron works | 1 Litre | 204 |
| 482 | BMT-J.05 | Supply of Wood Primer | 1 Litre | 158 |
| 483 | BMT-J.06 | Supply of Metal paste (Putty) for steel works | 1 Kg | 158 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|---------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 484 | BMT-J.07 | Supply of Putty for wood work | 1 Kg | 158 |
| 485 | BMT-J.08 | Supply of White Lead | 1 Kg | 113 |
| 486 | BMT-J.09 | Supply of Synthetic clear Varnish | 1 Litre | 158 |
| 487 | BMT-J.10 | Supply of Spirit | 1 Litre | 111 |
| 488 | BMT-J.11 | Supply of Linseed Oil | 1 Litre | 63 |
| 489 | BMT-J.12 | Supply of thinner for melamine polish/ french polish | 1 Litre | 146 |
| 490 | BMT-J.13 | Supply of thinner for Poly-urethane polish | 1 Litre | 299 |
| 491 | BMT-J.14 | Supply of French Polish | 1 Litre | 207 |
| 492 | BMT-J.15 | Supply of ready made Wax Polish | 1 Kg | 630 |
| 493 | BMT-J.16 | Supply of Melamine Polish | 1 Litre | 349 |
| 494 | BMT-J.17 | Supply of Interior Grade Poly-Urethane Polish | 1 Litre | 710 |
| 495 | BMT-J.18 | Supply of Exterior Grade Poly-Urethane Polish | 1 Litre | 868 |
| 496 | BMT-J.19 | Supply of wood adhesive compound | 1 Kg | 246 |
| 497 | BMT-J.20 | Supply of Dry Powder Distemper | 1 Kg | 47 |
| 498 | BMT-J.21 | Supply of acrylic based Oil Bound washable Distemper having VOC (Volatile Organic Compound) content less than 50 grams/ liter | 1 Kg | 90 |
| 499 | BMT-J.22 | Supply of synthetic polymer plastic emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Litre | Deleted |
| 500 | BMT-J.23 | Supply of synthetic polymer luxury plastic emulsion paint of superior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Litre | 473 |
| 501 | BMT-J.24 | Supply of Water proof Cement paint | 1 Kg | 53 |
| 502 | BMT-J.25 | Supply of acrylic exterior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Litre | 196 |
| 503 | BMT-J.26 | Supply of water proof Cement paint pack | 25 Kg | 1375 |
| 504 | BMT-J.27 | Supply of paint grade white lime for wash | 25 Kg | 600 |
| 505 | BMT-J.28 | Supply of anti-corrosive grade - 1 bitumen paint of black colour | 1 Litre | 569 |
| 506 | BMT-J.29 | Supply of grade-1 aluminium paint | 1 Litre | 284 |
| 507 | BMT-J.30 | Supply of ready mixed Synthetic Enamel paints in all shades Grade - I having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Litre | 276 |
| 508 | BMT-J.31 | Supply of ready mixed Synthetic Enamel paints in all shades Grade - II having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Litre | 210 |
| 509 | BMT-J.32 | Deleted | | Deleted |
| 510 | BMT-J.33 | Deleted | | Deleted |
| 511 | BMT-J.34 | Deleted | | Deleted |
| 512 | BMT-J.35 | Deleted | | Deleted |
| 513 | BMT-J.36 | Deleted | | Deleted |
| 514 | BMT-J.37 | Deleted | | Deleted |
| 515 | BMT-J.38 | Deleted | | Deleted |
| 516 | BMT-J.39 | Deleted | | Deleted |
| 517 | BMT-J.40 | Supply of wall putty of White Cement or Polymer or Cement based | 20 Kg | 875 |
| 518 | BMT-J.41 | Altek / PMCC or Equivalent top coat high UV resistant exterior paint | 25 Kg | Deleted |
| 519 | BMT-J.42 | PMCC / Deco orient base or Equivalent exterior Texture. | 25 Kg | 1000 |
| 520 | BMT-J.43 | PMCC or Equivalent Gold line Exterior Texture | 25 Kg | 1300 |
| 521 | BMT-J.44 | Deleted | 1 Sqm | Deleted |
| 522 | BMT-J.45 | Deleted | 1 Sqm | Deleted |
| 523 | BMT-J.46 | Deleted | 1 Sqm | Deleted |
| 524 | BMT-J.47 | Deleted | 1 Sqm | Deleted |
| 525 | BMT-J.48 | Deleted | 1 Sqm | Deleted |
| 526 | BMT-J.49 | Deleted | 1 Sqm | Deleted |
| 527 | BMT-J.50 | Deleted | 1 Sqm | Deleted |
| 528 | BMT-J.51 | Deleted | 1 Sqm | Deleted |
| 529 | BMT-J.52 | Supply of acrylic emulsion paint exterior grade with silicon additives having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Lit | 225 |
| 530 | BMT-J.53 | Supply of acrylic emulsion paint weather proof water-based, modified acrylic with silicon additives exterior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Lit | 248 |
| | K. | PARTICLE BOARDS <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| 531 | BMT-K.01 | Plain Particle Board: Interior Grade - 6 mm thick | 1 Sqm | Deleted |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|--------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 532 | BMT-K.02 | Plain Particle Board: Interior Grade - 8 mm thick | 1 Sqm | Deleted |
| 533 | BMT-K.03 | Plain Particle Board: Interior Grade - 10 mm thick | 1 Sqm | Deleted |
| 534 | BMT-K.04 | Plain Particle Board: Interior Grade - 12 mm thick | 1 Sqm | Deleted |
| 535 | BMT-K.05 | Plain Particle Board: Interior Grade - 18 mm thick | 1 Sqm | Deleted |
| 536 | BMT-K.06 | Plain Particle Board: Interior Grade - 21.4 mm thick | 1 Sqm | Deleted |
| 537 | BMT-K.07 | Plain Particle Board: Interior Grade - 25 mm thick | 1 Sqm | Deleted |
| 538 | BMT-K.08 | Plain Particle Board: Interior Grade - 35 mm thick | 1 Sqm | Deleted |
| 539 | BMT-K.09 | Plain Particle Board: Exterior Grade- 8 mm thick | 1 Sqm | Deleted |
| 540 | BMT-K.10 | Plain Particle Board: Exterior Grade-12 mm thick | 1 Sqm | Deleted |
| 541 | BMT-K.11 | Plain Particle Board: Exterior Grade-18 mm thick | 1 Sqm | Deleted |
| 542 | BMT-K.12 | Plain Particle Board: Exterior Grade-21.4 mm thick | 1 Sqm | Deleted |
| 543 | BMT-K.13 | Plain Particle Board: Exterior Grade-25 mm thick | 1 Sqm | Deleted |
| 544 | BMT-K.14 | Plain Particle Board: Exterior Grade-35 mm thick | 1 Sqm | Deleted |
| 545 | BMT-K.15 | Melamine faced Single Deco PPB- 8 mm thick | 1 Sqm | 676 |
| 546 | BMT-K.16 | Melamine faced Single Deco PPB- 12 mm thick | 1 Sqm | 767 |
| 547 | BMT-K.17 | Melamine faced Single Deco PPB- 18 mm thick | 1 Sqm | 889 |
| 548 | BMT-K.18 | Melamine faced Single Deco PPB- 25 mm thick | 1 Sqm | 1007 |
| 549 | BMT-K.19 | Melamine faced Single Deco PPB- 35 mm thick | 1 Sqm | 1675 |
| 550 | BMT-K.20 | Melamine faced Twin Deco PPB- 8 mm thick | 1 Sqm | 778 |
| 551 | BMT-K.21 | Melamine faced Twin Deco PPB- 12 mm thick | 1 Sqm | 889 |
| 552 | BMT-K.22 | Melamine faced Twin Deco PPB-18 mm thick | 1 Sqm | 1028 |
| 553 | BMT-K.23 | Melamine faced Twin Deco PPB-25 mm thick | 1 Sqm | 1139 |
| 554 | BMT-K.24 | Melamine faced Twin Deco PPB-35 mm thick | 1 Sqm | 2140 |
| 555 | BMT-K.25 | Natural Colour-Insulating Board - 12 mm thick | 1 Sqm | 252 |
| 556 | BMT-K.26 | Natural Colour-Insulating Board - 18 mm thick | 1 Sqm | 372 |
| 557 | BMT-K.27 | Natural Colour-Insulating Board - 25 mm thick | 1 Sqm | 474 |
| 558 | BMT-K.28 | White Insulating Board - 12 mm thick | 1 Sqm | 307 |
| 559 | BMT-K.29 | White Insulating Board - 18 mm thick | 1 Sqm | 439 |
| 560 | BMT-K.30 | White Insulating Board - 25 mm thick | 1 Sqm | 390 |
| 561 | BMT-K.31 | Extra for veneered particle Board with commercial veneering on both sides. | 1 Sqm | Deleted |
| 562 | BMT-K.32 | Extra for veneered particle Board with Veneering on both sides with one side teak veneered and other side commercial veneered | 1 Sqm | Deleted |
| 563 | BMT-K.33 | Extra for veneered particle Board with Teak veneering on both sides | 1 Sqm | Deleted |
| 564 | BMT-K.34 | Medium Fibre Board: Interior Grade - 6 mm thick | 1 Sqm | 411 |
| 565 | BMT-K.35 | Medium Fibre Board: Interior Grade - 8 mm thick | 1 Sqm | 466 |
| 566 | BMT-K.36 | Medium Fibre Board: Interior Grade - 12 mm thick | 1 Sqm | 624 |
| 567 | BMT-K.37 | Medium Fibre Board: Interior Grade - 15 mm thick | 1 Sqm | 793 |
| 568 | BMT-K.38 | Medium Fibre Board: Interior Grade - 18 mm thick | 1 Sqm | 885 |
| 569 | BMT-K.39 | Medium Fibre Board: Interior Grade - 25 mm thick | 1 Sqm | 1257 |
| 570 | BMT-K.40 | Medium Fibre Board: Interior Grade - 30 mm thick | 1 Sqm | 1519 |
| 571 | BMT-K.41 | Medium Fibre Board: Interior Grade - 35 mm thick | 1 Sqm | 1657 |
| 572 | BMT-K.42 | Medium Fibre Board: Exterior Grade - 6 mm thick | 1 Sqm. | 559 |
| 573 | BMT-K.43 | Medium Fibre Board: Exterior Grade - 8 mm thick | 1 Sqm. | 651 |
| 574 | BMT-K.44 | Medium Fibre Board: Exterior Grade - 12 mm thick | 1 Sqm. | 862 |
| 575 | BMT-K.45 | Medium Fibre Board: Exterior Grade - 15 mm thick | 1 Sqm. | 1083 |
| 576 | BMT-K.46 | Medium Fibre Board: Exterior Grade - 18 mm thick | 1 Sqm. | 1212 |
| 577 | BMT-K.47 | Medium Fibre Board: Exterior Grade - 25 mm thick | 1 Sqm. | 1616 |
| 578 | BMT-K.48 | Medium Fibre Board: Exterior Grade - 30 mm thick | 1 Sqm. | 2013 |
| 579 | BMT-K.49 | Medium Fibre Board: Exterior Grade - 35 mm thick | 1 Sqm. | 2378 |
| 580 | BMT-K.50 | MDF Board: Plain-Interior - 9 mm thick | 1 Sqm | 377 |
| 581 | BMT-K.51 | MDF Board: Plain-Interior - 12 mm thick | 1 Sqm | 428 |
| 582 | BMT-K.52 | MDF Board: Plain-Interior - 18 mm thick | 1 Sqm | 530 |
| 583 | BMT-K.53 | MDF Board: Plain-Interior - 25 mm thick | 1 Sqm | 637 |
| 584 | BMT-K.54 | MDF Board: Plain-Interior - 30 mm thick | 1 Sqm | 970 |
| 585 | BMT-K.55 | MDF Board: Plain-Interior - 35 mm thick | 1 Sqm | 1147 |
| 586 | BMT-K.56 | MDF Board: Plain-Exterior - 9 mm thick | 1 Sqm | 493 |
| 587 | BMT-K.57 | MDF Board: Plain-Exterior - 12 mm thick | 1 Sqm | 530 |
| 588 | BMT-K.58 | MDF Board: Plain-Exterior - 18 mm thick | 1 Sqm | 696 |
| 589 | BMT-K.59 | MDF Board: Plain-Exterior - 25 mm thick | 1 Sqm | 873 |
| 590 | BMT-K.60 | MDF Board: Plain-Exterior - 30 mm thick | 1 Sqm | 1147 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
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| 1 | 2 | 3 | 4 | 5 |
| 591 | BMT-K.61 | MDF Board: Plain-Exterior - 35 mm thick | 1 Sqm | 1323 |
| 592 | BMT-K.62 | MDF Board: Interior-One Side Laminated -9 mm thick | 1 Sqm | 591 |
| 593 | BMT-K.63 | MDF Board: Interior-One Side Laminated -12 mm thick | 1 Sqm | 668 |
| 594 | BMT-K.64 | MDF Board: Interior-One Side Laminated -18 mm thick | 1 Sqm | 777 |
| 595 | BMT-K.65 | MDF Board: Interior-One Side Laminated -25 mm thick | 1 Sqm | 873 |
| 596 | BMT-K.66 | MDF Board: Interior-One Side Laminated -30 mm thick | 1 Sqm | 1262 |
| 597 | BMT-K.67 | MDF Board: Interior-One Side Laminated -35 mm thick | 1 Sqm | 1346 |
| 598 | BMT-K.68 | MDF Board: Exterior-One Side Laminated -9 mm thick | 1 Sqm | 679 |
| 599 | BMT-K.69 | MDF Board: Exterior-One Side Laminated -12 mm thick | 1 Sqm | 762 |
| 600 | BMT-K.70 | MDF Board: Exterior-One Side Laminated -18 mm thick | 1 Sqm | 864 |
| 601 | BMT-K.71 | MDF Board: Exterior-One Side Laminated -25 mm thick | 1 Sqm | 1010 |
| 602 | BMT-K.72 | MDF Board: Exterior-One Side Laminated -30 mm thick | 1 Sqm | 1346 |
| 603 | BMT-K.73 | MDF Board: Exterior-One Side Laminated -35 mm thick | 1 Sqm | 1430 |
| 604 | BMT-K.74 | MDF Board: Interior-Both Side Laminated -9 mm thick | 1 Sqm | 675 |
| 605 | BMT-K.75 | MDF Board: Interior-Both Side Laminated -12 mm thick | 1 Sqm | 762 |
| 606 | BMT-K.76 | MDF Board: Interior-Both Side Laminated -18 mm thick | 1 Sqm | 873 |
| 607 | BMT-K.77 | MDF Board: Interior-Both Side Laminated -25 mm thick | 1 Sqm | 1097 |
| 608 | BMT-K.78 | MDF Board: Interior-Both Side Laminated -30 mm thick | 1 Sqm | 1346 |
| 609 | BMT-K.79 | MDF Board: Interior-Both Side Laminated -35 mm thick | 1 Sqm | 1430 |
| 610 | BMT-K.80 | MDF Board: exterior-Both Side Laminated -9 mm thick | 1 Sqm | 762 |
| 611 | BMT-K.81 | MDF Board: exterior-Both Side Laminated -12 mm thick | 1 Sqm | 863 |
| 612 | BMT-K.82 | MDF Board: exterior-Both Side Laminated -18 mm thick | 1 Sqm | 1021 |
| 613 | BMT-K.83 | MDF Board: exterior-Both Side Laminated -25 mm thick | 1 Sqm | 1116 |
| 614 | BMT-K.84 | MDF Board: exterior-Both Side Laminated -30 mm thick | 1 Sqm | 1413 |
| 615 | BMT-K.85 | MDF Board: exterior-Both Side Laminated -35 mm thick | 1 Sqm | 1515 |
| 616 | BMT-K.86 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276-6 mm thick | 1 sqm | Deleted |
| 617 | BMT-K.87 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 8 mm thick | 1 sqm | Deleted |
| 618 | BMT-K.88 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 10 mm thick | 1 sqm | Deleted |
| 619 | BMT-K.89 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 12 mm thick | 1 sqm | Deleted |
| 620 | BMT-K.90 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 16 mm thick | 1 sqm | Deleted |
| 621 | BMT-K.91 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 20 mm thick | 1 sqm | Deleted |
| 622 | BMT-K.92 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 25 mm thick | 1 sqm | Deleted |
| 623 | BMT-K.93 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 30 mm thick | 1 sqm | Deleted |
| 624 | BMT-K.94 | CEMENT BONDED PARICLE BOARD CONFORMING TO IS 14276- 40 mm thick | 1 sqm | Deleted |
| 625 | BMT-K.95 | PRE LAMINATED CEMENT BONDED PARTICLE BOARD-6 mm thick | 1 sqm | 570 |
| 626 | BMT-K.96 | PRE LAMINATED CEMENT BONDED PARTICLE BOARD-8 mm thick | 1 sqm | 624 |
| 627 | BMT-K.97 | PRE LAMINATED CEMENT BONDED PARTICLE BOARD- 10 mm thick | 1 sqm | 667 |
| 628 | BMT-K.98 | PRE LAMINATED CEMENT BONDED PARTICLE BOARD- 12 mm thick | 1 sqm | 732 |
| 629 | BMT-K.99 | PRE LAMINATED CEMENT BONDED PARTICLE BOARD- 16 mm thick | 1 sqm | 818 |
| 630 | BMT-K.100 | BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 6mm thick | 1 sqm | Deleted |
| 631 | BMT-K.101 | BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 8mm thick | 1 sqm | Deleted |
| 632 | BMT-K.102 | BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 10mm thick | 1 sqm | Deleted |
| 633 | BMT-K.103 | BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 12mm thick | 1 sqm | Deleted |
| 634 | BMT-K.104 | BISON DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 16mm thick | 1 sqm | Deleted |
| 635 | BMT-K.105 | Cement Bonded Board conforming to IS:14862-2000 - 4mm Thick | 1 Sqm | 159 |
| 636 | BMT-K.106 | Cement Bonded Board conforming to IS:14862-2000 - 6mm Thick | 1 Sqm | 228 |
| 637 | BMT-K.107 | Cement Bonded Board conforming to IS:14862-2000 - 8mm Thick | 1 Sqm | 293 |
| 638 | BMT-K.108 | Cement Bonded Board conforming to IS:14862-2000 - 10mm Thick | 1 Sqm | 337 |
| 639 | BMT-K.109 | Cement Bonded Board conforming to IS:14862-2000 - 12mm Thick | 1 Sqm | 420 |
| 640 | BMT-K.110 | Cement Bonded Board conforming to IS:14862-2000 - 14mm Thick | 1 Sqm | 470 |
| 641 | BMT-K.111 | Cement Bonded Board conforming to IS:14862-2000 - 16mm Thick | 1 Sqm | 534 |
| 642 | BMT-K.112 | Cement Bonded Board conforming to IS:14862-2000 - 18mm Thick | 1 Sqm | 606 |
| 643 | BMT-K.113 | Cement Bonded Board conforming to IS:14862-2000 - 20mm Thick | 1 Sqm | 642 |
| 644 | BMT-K.114 | Laminate Sheets - Glossy Finish: 1.00 mm thick | 1 Sqm | 403 |
| 645 | BMT-K.115 | Laminate Sheets - Glossy Finish: 1.50 mm thick | 1 Sqm | 577 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--|-----------|--|---------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 646 | BMT-K.116 | Laminate Sheets - Glossy Finish: 1.80 mm thick | 1 Sqm | 633 |
| 647 | BMT-K.117 | Laminate Sheets - Mat Finish: 1.00 mm thick | 1 Sqm | 428 |
| 648 | BMT-K.118 | Laminate Sheets - Mat Finish: 1.50 mm thick | 1 Sqm | 596 |
| 649 | BMT-K.119 | Laminate Sheets - Mat Finish: 1.80 mm thick | 1 Sqm | 643 |
| 650 | BMT-K.120 | Teak Veneer Lamination - 4 mm thick - Pencil Grains | 1 Sqm | 450 |
| 651 | BMT-K.121 | Teak Veneer Lamination - 4 mm thick - Natural Grains | 1 Sqm | 829 |
| 652 | BMT-K.122 | 8 mm thick V-Designer Board | 1 Sqm | 407 |
| 653 | BMT-K.123 | 50 mm thick V-PANEL | 1 Sqm | 1071 |
| 654 | BMT-K.124 | 75 mm thick V-PANEL | 1 Sqm | 1285 |
| L. PLYWOOD <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | | | |
| 655 | BMT-L.01 | 3 Ply - 4 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 407 |
| 656 | BMT-L.02 | 5 Ply - 6 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 449 |
| 657 | BMT-L.03 | 5 Ply - 8 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 528 |
| 658 | BMT-L.04 | 5 Ply - 9 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 528 |
| 659 | BMT-L.05 | 9 Ply - 12 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 662 |
| 660 | BMT-L.06 | 9 Ply - 15 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 975 |
| 661 | BMT-L.07 | 9 Ply - 18 mm thick Plywood (IS:303) MR Grade | 1 Sqm | 956 |
| 662 | BMT-L.08 | 3 Ply - 4 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 465 |
| 663 | BMT-L.09 | 5 Ply - 6 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 546 |
| 664 | BMT-L.10 | 5 Ply - 8 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 680 |
| 665 | BMT-L.11 | 5 Ply - 9 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 642 |
| 666 | BMT-L.12 | 9 Ply - 12 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 839 |
| 667 | BMT-L.13 | 9 Ply - 15 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 1205 |
| 668 | BMT-L.14 | 9 Ply - 19 mm thick Plywood (IS:303) BWR/BWP Grade | 1 Sqm | 1209 |
| 669 | BMT-L.15 | 3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 602 |
| 670 | BMT-L.16 | 5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 784 |
| 671 | BMT-L.17 | 5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1005 |
| 672 | BMT-L.18 | 9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1280 |
| 673 | BMT-L.19 | 5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1311 |
| 674 | BMT-L.20 | 9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1529 |
| M. CEILINGS, WALL PARTITIONS & WALL LININGS | | | | |
| 675 | BMT-M.01 | Gypsum Board tiles of size not less than 0.595 M x 0.595 M of 12.5 mm thick as per IS 2095 -1992 | 1 Sqm | 281 |
| 676 | BMT-M.02 | Gypsum Board tiles of size not less than 0.595 M x 0.595 M of 9 mm thick as per IS 2095 -1992 | 1 Sqm | 274 |
| 677 | BMT-M.03 | Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 -1993 | 1 Sqm | 248 |
| 678 | BMT-M.04 | G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm | 1 RM | 74 |
| 679 | BMT-M.05 | G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm thick | 1 RM | 85 |
| 680 | BMT-M.06 | G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm | 1 RM | 84 |
| 681 | BMT-M.07 | G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm (web) of 0.55 mm thick | 1 RM | 74 |
| 682 | BMT-M.08 | G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm | 1 RM | 41 |
| 683 | BMT-M.09 | G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm | 1 RM | 37 |
| 684 | BMT-M.10 | GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick | 1 RM | 54 |
| 685 | BMT-M.11 | Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm | 1 RM | 40 |
| 686 | BMT-M.12 | Polyester painted GI - T Section - 24 x 32 mm | 1 RM | 50 |
| 687 | BMT-M.13 | Polyester painted GI - T Section - 24 x 25 mm | 1 RM | 45 |
| 688 | BMT-M.14 | Polyester painted GI - T Section - 24 mm x 27 mm | 1 RM | 46 |
| 689 | BMT-M.15 | Aluminium Angle : 24 mm x 24 mm | 1 RM | 26 |
| 690 | BMT-M.16 | Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm | 1 RM | 34 |
| 691 | BMT-M.17 | Connecting Clips | 1 Each | 2 |
| 692 | BMT-M.18 | Rawl Plug | 1 Each | 2 |
| 693 | BMT-M.19 | 6 mm Nylon Rawl Plug | 1 Each | 3 |
| 694 | BMT-M.20 | Soffit Cleats | 1 Each | 2 |
| 695 | BMT-M.21 | Drywall Screws - 25 mm | 1 Each | 2 |
| 696 | BMT-M.22 | Jointing Compound | 1 Kgs | 29 |
| 697 | BMT-M.23 | Jointing Paper Tape | 1 RM | 5 |
| 698 | BMT-M.24 | Drywall Top Coat | 1 Litre | 142 |
| 699 | BMT-M.25 | Universal Holding Clips | 1 Each | 3 |

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| 1 | 2 | 3 | 4 | 5 |
| 700 | BMT-M.26 | 4 mm Dia GI Connecting Rod | 1 RM | 12 |
| 701 | BMT-M.27 | 2 mm Dia GI Connecting Rod | 1 RM | 10 |
| 702 | BMT-M.28 | 14 mm - Mineral Fiber sheet 600 x 600 of Board / Tegular Edge tiles with a Humidity Resistance of 80% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1 | 1 Sqm | 590 |
| 703 | BMT-M.29 | 15 mm - Mineral Fiber sheet 600 x 600 of Board / Tegular Edge tiles with a Humidity Resistance of 90% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1 | 1 Sqm | 690 |
| 704 | BMT-M.30 | 16 mm - Tegular Edge 600 x 600 of Board / Tegular/ Micro look Edge tiles with a Humidity Resistance of 99% RH, Average NRC 0.60, Light Reflectance >88%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1 | 1 Sqm | 743 |
| 705 | BMT-M.31 | 12 mm - Mineral Fiber sheet 600 x 600 (Square / Tegular) Edge tiles | 1 Sqm | 456 |
| 706 | BMT-M.32 | 15 mm - Mineral Fiber sheet 600 x 600 (Square / Tegular) Edge tiles | 1 Sqm | Deleted |
| 707 | BMT-M.33 | Perforated wall panels channeled wood works sheets of width 128 mm, thickness of 16mm and length 2440 mm made of a high density particle board substrate with a laminated facing as per the approved shade/ Species & Finish and a melamine balancing layer on the reverse side, with a special perforation pattern fluted perforation on the visible surface with a minimum sag resistance of RH90 and a fire rating class of 1 as per Part 7 of BS 476 with a “tongue-and-grooved” edges and the back of the perforated panel is with sound absorbing non-woven acoustical fleece | 1 Sqm | 2738 |
| 708 | BMT-M.34 | Vinyl Flooring Sheets/ tiles having a nominal total thickness of 2 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards | 1 Sqm | 850 |
| 709 | BMT-M.35 | Vinyl Composition Floor Tiles of size 305 mm x 305 mm having an overall thickness of 2.0mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards | 1 Sqm | 582 |
| 710 | BMT-M.36 | Vinyl Flooring Sheets or tiles having a nominal total thickness of 1.5 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards | 1 Sqm | 421 |
| 711 | BMT-M.37 | Supply of Thermocole 12 mm thick sheets | 1 Sqm | 26 |
| 712 | BMT-M.38 | Supply of Thermocole 19 mm thick sheets | 1 Sqm | 46 |
| 713 | BMT-M.39 | Supply & fixing 75mm thick metal stud partition using 12.5 mm thick Gypboard conforming to IS 2095-1982 screw fixed to either side to 48 mm studs of 0.55 mm thick with the 50 mm floor and ceiling channel 0.55 mm and the joints duly finished with joint compound, paper tape and two coats Dry wall top coat as per specification. | 1 Sqm | 1222 |
| 714 | BMT-M.40 | Providing wooden panelling 12 mm thick Novapan one side laminated sheet fixed on wooden frame of BT wood size 50.8 mm x 25.4 mm (2"x1") at distance of 609.6mm (2'-0") intervals of both ways providing 3/4" x 1/2" (19.05 mm x 12.7 mm) size BT wood ornamental cover beading and necessary screws, fevicol glue complete for finished item of work. | 1 Sqm | 1810 |
| 715 | BMT-M.41 | Supply , manufacturing , installing of library Rack of 19 mm thick ISI marked commercial ply All round boxing verticals, Horizontal for depth of 609.6mm (2'-0) and shelves with 3.5 mm thick teak veneer covered with on exposed surface externally and internally and each panels with 6mm thick ISI commercial ply with 3.5 mm thick teak veneer for glazed shutters teak wood size 55 mm x 28mm with 5 mm thick glass fixed with ornamental beading and other ornamental beading is covered as per drawing including brass hinges, ornamental handles, ball catchers, buffers, locking system etc, and all the commercial ply exposed edges are to be covered with 6 mm thick teak wood lipping. All the teak veneer and teak wood and ornamental beading is coated with polishing and a coat of melamine finish etc, complete for finished item of work. | 1 Sqm | Deleted |
| 716 | BMT-M.42 | Calcium Silicate Boards - 6mm thick | 1 Sqm | 230 |
| 717 | BMT-M.43 | Calcium Silicate Boards - 8mm thick | 1 Sqm | 307 |

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| 1 | 2 | 3 | 4 | 5 |
| 718 | BMT-M.44 | Calcium Silicate Boards - 10mm thick | 1 Sqm | 385 |
| 719 | BMT-M.45 | Calcium Silicate Boards - 12mm thick | 1 Sqm | 461 |
| 720 | BMT-M.46 | Supply and Fixing 66mm thick metal stud partition screw fixed to either side of 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm and the joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification finished Item of work- using 8mm thick Calcium silicate boards | 1 Sqm | 1290 |
| 721 | BMT-M.47 | Supply and Fixing 66mm thick metal stud partition screw fixed to either side of 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm and the joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification finished Item of work - Using 10mm thick Calcium silicate boards | 1 Sqm | 1444 |
| 722 | BMT-M.48 | Supply and Fixing 66mm thick metal stud partition screw fixed to either side of 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm and the joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification finished Item of work - Using 12mm thick Calcium silicate boards | 1 Sqm | 1597 |
| 723 | BMT-M.49 | Supply and fixing of wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: using 8mm thick Calcium silicate boards | 1 Sqm | 765 |
| 724 | BMT-M.50 | Supply and fixing of wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: Using 10mm thick Calcium silicate boards | 1 Sqm | 843 |
| 725 | BMT-M.51 | Supply and fixing of wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: Using 12mm thick Calcium silicate boards | 1 Sqm | 919 |
| 726 | BMT-M.52 | Supply and Fixing 66mm thick metal stud partition using 2 layers of 12mm thick Calcium silicate boards screw fixed to either side to 48mm studs of 0.55mm thick with 50mm floor and ceiling channel 0.55mm. The boards joints are to be staggered to avoid through passage. Ceramic wool of 50mm thick, 64kg/m3 density is to be placed in cavity of the partition. The joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification with out painting for finished item of work | 1 Sqm | 4288 |
| 727 | BMT-M.53 | Supplying and fixing of false ceiling using Plaster of paris Boards 12 mm thick with standard GI ceiling angles, sections perimeter channels including cost and conveyance of all materials and labour charges etc complete | 1 Sqm | 441 |
| 728 | BMT-M.54 | Supplying and fixing of false ceiling using Plaster of paris Boards 10 mm thick with standard GI ceiling angles, sections perimeter channels including cost and conveyance of all materials and labour charges etc complete | 1 Sqm | 367 |
| 729 | BMT-M.55 | Designer ceiling Cement Boards -thickness 3.2 mm | 1 Sqm | 259 |
| 730 | BMT-M.56 | High pressure steam cured Cement Boards 4 mm thick | 1 Sqm. | 138 |
| 731 | BMT-M.57 | High pressure steam cured Cement Boards 6 mm thick | 1 Sqm. | 208 |
| 732 | BMT-M.58 | High pressure steam cured Cement Boards 8 mm thick | 1 Sqm. | 276 |
| 733 | BMT-M.59 | High pressure steam cured Cement Boards 10 mm thick | 1 Sqm. | 346 |
| 734 | BMT-M.60 | High pressure steam cured Cement Boards 12 mm thick | 1 Sqm. | 415 |
| 735 | BMT-M.61 | High pressure steam cured Cement Boards 14 mm thick | 1 Sqm. | 484 |
| 736 | BMT-M.62 | High pressure steam cured Cement Boards 16 mm thick | 1 Sqm. | 554 |
| 737 | BMT-M.63 | High pressure steam cured Cement Boards 18 mm thick | 1 Sqm. | 622 |
| 738 | BMT-M.64 | High pressure steam cured Cement Boards 20 mm thick | 1 Sqm. | 692 |
| 739 | BMT-M.65 | High pressure steam cured designer Cement Boards 4 mm thick | 1 Sqm. | 204 |
| 740 | BMT-M.66 | High pressure steam cured designer Cement Boards 6 mm thick | 1 Sqm. | 300 |
| 741 | BMT-M.67 | Supply and fixing of wall panelling (water, fire and Termite proof) with frame work made of GI stud profile of size 48 x 40 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick E-board / 6 mm thick E-board classic cladded around with self | 1 Sqm. | 837 |

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| 1 | 2 | 3 | 4 | 5 |
| | | tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. - With 8 mm | | |
| 742 | BMT-M.68 | Supply and fixing of wall panelling (water, fire and Termite proof) with frame work made of GI stud profile of size 48 x 40 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick E-board / 6 mm thick E-board classic cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. - With 6 mm Designer | 1 Sqm. | 893 |
| 743 | BMT-M.69 | Supply and fixing double skin partition with Frame work made of GI stud profile of size 48 x 40 x 10 x 0.6 mm thick placed at every 610 mm C/C intervals and 915 mm horizontal intervals duly fixed with self expansion screws, the E-board of 8 mm thick cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving 3 mm gap between two panels of width 2'-0" (610 mm). The gap will be covered with decorative moulding surface will be given a smooth finish over cement primer. The rate is inclusive of cost and conveyance of all materials and labour charges etc. complete. | 1 Sqm. | 1227 |
| 744 | BMT-M.70 | Providing and fixing of 50mm thick SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4mm thick non-asbestos fibre reinforced cement sheets on either side of the lightweight concrete core composed of Portland cement binders with tongue and groove arrangement. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 14x50x25 mm fixed to the existing floor with 6x60mm nylon self expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 1mm thick GI Channel of size 38x50x38mm duly fixed to the existing ceiling with 6x60mm nylon self expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the mixture of fly ash and sodium silicate in between and Everest jointing compound all the exposed joints. The rate includes cost of 50mm SOLID WALL PANELS, G.I. Floor and ceiling channel. The panels can be flushed by using paper tape and Everest jointing compound all complete | 1 sqm | 1660 |
| 745 | BMT-M.71 | Providing and fixing of 75mm thick SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4mm thick non-asbestos fibre reinforced cement sheets on either side of the lightweight concrete core composed of Portland cement binders with tongue and groove arrangement. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 14x75x25 mm fixed to the existing floor with 6x60mm nylon self expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 1mm thick GI Channel of size 38x75x38mm duly fixed to the existing ceiling with 6x60mm nylon self expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the mixture of fly ash and sodium silicate in between and Everest jointing compound all the exposed joints. The rate includes cost of 75mm SOLID WALL PANEL panels, G.I. Floor and ceiling channel. The panels can be flushed by using paper tape and Everest jointing compound all complete. | 1 Sqm. | 1982 |
| 746 | BMT-M.72 | Supply and fixing of CEMENT BONDED PARTICLE BOARDS (IS 14276) false ceiling using 8MM CEMENT BONDED PARTICLE BOARDS with galvanized and pre painted steel T section of size 24mm x 38mm x 0.3 mm for main T duty pre punched to accept cross T section of size 24mm x 30mm x 0.3 mm duly punched at both ends for insertion into main T. The grid size will be 610mm x 610mm. The frame work (grid) is suspended to the roof by using G.I flat of 0.60mm or 14-gauge G.I wire with necessary fixers to the roof and frame work. CEMENT BONDED PARTICLE BOARDS lay on the grid. The cost inclusive of necessary hardware, labor, one coat of primer (Both side) and two coats of smooth finish on visible side. | 1 Sqm | 1039 |

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| 1 | 2 | 3 | 4 | 5 |
| 747 | BMT-M.73 | Supply and fixing CEMENT BONDED PARTICLE BOARDS (IS 14276) wall paneling using 10 MM CEMENT BONDED PARTICLE BOARDS with frame work made of GI stud section of size 48mm x 35mm x 0.55mm thick placed at every 610 mm C/C intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. CEMENT BONDED PARTICLE BOARDS is to be fixed to frame by means of self taping screws placed at every 300 mm intervals leaving 3mm gap between two panels. The cost inclusive of one coat of Altek primer and two coats of Altek smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge. | 1 Sqm | 1371 |
| 748 | BMT-M.74 | Supply and fixing CEMENT BONDED PARTICLE BOARDS (IS 14276) double skin partition using with 10 MM CEMENT BONDED PARTICLE BOARDS made out of G.I. track section of size 50mmx 35mm x 0.55 mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm intervals horizontally fixed to the wall by means of self expansion screws and caps to the wall and roof. CEMENT BONDED PARTICLE BOARDS is to be fixed both sides of frame work by using self taping screws fixed at every 300mm intervals to the frame work leaving 3 mm gap between two panels. The cost inclusive with one coat of Altek primer and two coats of Altek smooth finish and cost and conveyance of all materials to site, labor charges etc., complete as per the direction of Engineer in charge. | 1 Sqm | 2003 |
| 749 | BMT-M.75 | Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS double skin partition using with 10 mm CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS made out of G.I track section of size 50 mm x 35mm x 0.55mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm internals horizontally. The frame is fixed by means of self expansion screws and caps to the wall / roof. LAM is to be fixed both sides of the frame work by using 2mm thick electro plated CR flat section leaving 3mm gap between two panels. The cost inclusive of cost and conveyance of all materials to sites, other materials incidentals and labour charges as per the direction of Engineer in charges. | 1 Sqm | 2759 |
| 750 | BMT-M.76 | Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS wall paneling using 12MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS with frame work made of G.I stud section of size 48mm x 35mm x 0.55mm thick placed at every 610mm intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. LAM is to be fixed to frame by means of self-taping screws placed at every 300mm intervals leaving 3mm gap between two panels. The cost inclusive of Conveyance of materials, Labor charges etc., complete as per the direction of Engineer in charge | 1 Sqm | 2083 |
| 751 | BMT-M.77 | Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS aluminum glazed partitions using 10MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS and 5.00 mm thick plain glass to full height. Using with LAM to a height of 0.91 meter at bottom panel and remaining height with glass and aluminum sections anodized to 12 to 15 microns and of sections of size 37mm x 62mm and 1.5mm thickness with one meter centre to centre duly fixed with clip beading on both sides including fixing the frame to pillars by M.S. flats, bolts and nuts including cost and conveyance of all materials etc., complete as directed during execution. | 1 Sqm | 3435 |
| 752 | BMT-M.78 | Providing and fixing 50mm thick SEMI HEIGHT SOLID PVC PARTITION consisting of 49mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet(E.P.S.-Thermocole) stuck on both side with 2mm thick plain/printed /prelam PVC rigid foam sheets reinforced with frame work made from 35mmX5mm M.S. Angle. In between two M.S. Angles 5mm thick plain/printed/prelam heat moulded "Rajshri" PVC 'C' channel of size 50X100mm with feathered edges shall be fixed on the floor & 50X75mm with feathered edges plain/printed /prelam PVC 'C' channel. In between adjoining EPS sandwiched PVC partitions panel 5mm thickX75mm width plain/printed/prelam PVC sheet feathered at edges shall be stuck on front & back face using solvent cement etc. in places where two partitions meet to from an 'L' shape the panels are joined 5mm thick plain/printed/prelam heat | 1 sqm | 2950 |

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| 1 | 2 | 3 | 4 | 5 |
| | | moulded "Rajshri" PVC 'L' section of size 75mmX75mm with feathered edges shall be fixed on front & back side. This is done to maintain the symmetry of design. An additional 5mm thick PVC strip of 40mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive, complete as per direction of Engineer-in-Charge, manufacturer's specification & drawing | | |
| 753 | BMT-M.79 | Providing and fixing INSULATED PVC WALL PANELING shall consist of PVC insulated panels having wall thickness of 1mm /1.5mm/2mm PVC sheet and the desired thickness of EPS (dependent on the insulation required) screwed into the wall using screws of adequate length. The screws shall be placed at a distance of 150mm and shall be 25mm from the edge of the insulated panel on all from sides of the panel. The PVC strips of 5mm thick PVC sheet of width 75mm feathered at the edges shall be stuck using solvent cement adhesive at the places where two panels are joined, so a to cover the screw of both the panels, using solvent cement. 90 heat bent strips of 5mm thick PVC sheets of width 75mm X75mm feathered at the edges shall be stuck at wall joints / pillars etc. , complete as per direction of Engineer-in-Charge, manufacturer's specification & drawing | 1 sqm | 2185 |
| 754 | BMT-M.80 | Providing and fixing plain PVC rigid foam sheet wall panelling of thickness 5mm consisting of panels having size 1220mm X2440mm stuck on inner frame work of 25mm wide strips of 5mm thick PVC rigid foam sheet. The strips should have in their centre a groove of 6mm width and 2mm depth for sinking the head of the screw used to fix the strips to the wall and should be placed vertically at equal intervals of 405/407mm centre to c entre. The PVC strips shall be fixed to the wall using 65mm long M.S. screws through the groove in the strip by using PVC fasteners. The distance between two screws shall not be more than 300mm. a groove of 2mm may be left at the joint of two panels for aesthetic looks. This framework is done for making existing wall surface in ensured level and for sticking the wall panelling sheet (panel) on it. The exact size of the panel and correspondingly of the grid May be varied depending n the size of the wall. However it must ensured that a strips of 5mm thick PVC sheet of width 75mm feathered at the edges shall be stuck at the places where two panels are joined, using solvent cement. , complete as per direction of Engineer-in-Charge, manufacturer's specification & drawing | 1 sqm | 2076 |
| 755 | BMT-M.81 | Providing and fixing false ceiling consisting of 600mmX600mm, Solid PVC insulation panels having wall thickness of 1mm thick plain PVC rigid foam sheet and EPS as defined in of desired thickness depending on insulation required shall be insert in a frame work made using anodized aluminium Tee section of sizes 1"X1" (25X25mm, 19 gauge or 1mm thick) in square pattern of grid sizes of 2'X2' (600X600mm). The aluminium framework is supported from the ceiling with the help of G.I. hook and G.I. wire/6mm.M.S. rods of required sizes to maintain proper level etc. the aluminium framework is supported on side wall with the use of aluminium 1"X1" (25X25mm) angles, complete as per direction of Engineer-in-Charge, manufacturer's specification & drawing | 1 sqm | 1350 |
| 756 | BMT-M.82 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Fissura Fine Model | 1 Sqm | 368 |
| 757 | BMT-M.83 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Speckle Model | 1 Sqm | 411 |
| 758 | BMT-M.84 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Textura Model | 1 Sqm | 454 |
| 759 | BMT-M.85 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Standard Regular Edge | 1 Sqm | 465 |
| 760 | BMT-M.86 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Fissura Fine Model | 1 Sqm | 476 |
| 761 | BMT-M.87 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model | 1 Sqm | 497 |
| 762 | BMT-M.88 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Textura Model | 1 Sqm | 539 |
| 763 | BMT-M.89 | Supply and fixing of PVC false ceiling on MS/GI made skeleton framework. The frame shall be 24 X 48mm MS tube section fixed along with the wall. The entire frame work shall be concealed with PVC section having overall dimensions of 6 X 250mm with a wall thickness of 1mm ± 0.3mm with tongue and groove system, provided with necessary arrangements for electrical connections, complete, for finished item of work. | 1 Sqm. | 1498 |

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| 1 | 2 | 3 | 4 | 5 |
| 764 | BMT-M.90 | Supply and fixing of wall panelling on the framework of wooded rippers of 24 X 24mm of required size. The entire framework shall be panelled with PVC section having overall dimensions of 6 X 250mm with a wall thickness of 1mm ± 0.3mm. The panels are joined with tongue and groove system. Necessary cut-outs for electrical connections to be provided at required places complete, for finished item of work. | 1 Sqm. | 1419 |
| 765 | BMT-M.91 | Supply and fixing of PVC Double Skin Partition. The entire framework shall be carried out by mild steel section having overall dimensions of 24 X 48mm with a wall thickness of 1.2mm. The entire framework shall be concealed with PVC section having overall dimensions of 6 X 250mm with a wall thickness of 1mm ± 0.3mm both sides. Glass provision/Door provision can be provided along the partition wherever required. Partitions can be made full or half as per requirement complete, for finished item of work. | Sqm. | 2490 |
| | | NCL or equivalent Partitions: Supply and fixing of partitions made of seccolor pre-painted steel (base steel as per IS 513 of 0.58 mm thick 'D' quality, galvanized as per IS 277 with Zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick alkyd backer. Section for outer frame should be 46x52mm, section for shutter should be 46x46mm, section for mullion should be 46x70mm, section for beading should be 18x25mm and section for middle and bottom rail (Lock Rail and Kick Rail) of size should be 23x130mm. The partition should be paneled with 9mm pre-laminated particle board to a height of 0.91m from the bottom, and remaining height with 5mm thick plain glass With Ethyl Propylene Diamine Monomer (EPDM) Gaskets. The sections are to be cut to length, mitre joined with corner bracket Centre mullions are to be fixed using mullion cap. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphate. Mullion caps made of Glass filled nylon. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws, and complete for finished item of work. | | |
| 766 | BMT-M.92 | Fixed Partition: Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should be of 18x25mm. | 1 sqm | 4925 |
| 767 | BMT-M.93 | Fixed Partition with Door: Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should be of 18x25mm, section for shutter should be of 46x46mm and section for middle & bottom should be of size 23x130mm | 1 sqm | 5616 |
| 768 | BMT-M.94 | Supply & fixing of 50 mm thick sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of portland cement, binders and a mix of silicaceous and micaceous material aggregate having Tongue and Groove joint for partitions and walls using G.I. Flooring & Ceiling channels, hardware, Labour, transportation, wastages, etc., as a complete item of work excluding finishing, fittings & fixtures. | Sqm. | Deleted |
| 769 | BMT-M.95 | Supply & fixing of 75 mm thick sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of portland cement, binders and a mix of silicaceous and micaceous material aggregate having Tongue and Groove joint for partitions and walls using G.I. Flooring & Ceiling channels, hardware, Labour, transportation, wastages, etc., as a complete item of work excluding finishing, fittings & fixtures. | Sqm. | Deleted |
| 770 | BMT-M.96 | Supply of sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of Portland cement, binders and a mix of silicaceous and micaceous material aggregate panels of 50mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths | 1 Sqm. | Deleted |
| 771 | BMT-M.97 | Supply of sandwiched panel of two fiber-reinforced cement sheets enclosing a lightweight concrete core composed of Portland cement, binders and a mix of silicaceous and micaceous material aggregate panels of 75mm thick x 600mm standard width x 2400mm, 2700mm, 3000mm & 3300mm lengths | 1 Sqm. | Deleted |
| | | Providing & fixing Pre-coated G.I. Wall angle size 22mm X 20mm X 0.4 mm thick of 3050mm long fixed to the brick wall/ partition at the perimeter of ceiling with nylon sleeves and screw at 610 mm centres. Then suspending main G...! Frame "T" section size of 32mm X 24mm X 0.30mm thick of 3600mm long from soffit in one direction with the help of Rawl Plug and G.!.. Wire/Rod of 3mm diameter with 1220mm centres G.!.. Cross "T" section of size 25mm X 24mm X 0.30mm thick of 600mm long is inserted into the slots provided in | | |

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| 1 | 2 | 3 | 4 | 5 |
| | | main "T" at 600mm centres to form a grid of 600mm X 600mm. 12/ 15mm tiles of size 600mm X 600mm can be laid on to the grid etc. tiles with a Humidity resistance of 95% RH,Average NRC 0.55 to 0.60,Light reflectance >85% K value 0.052-0.57 ,Fire performance class O/Class 1 (BS 476) along with surface 3 coats of white paint as directed by department officers. | | |
| 772 | BMT-M.98 | Regular Pin Holes PH-001 (Square & Tegular Edge) 12mm | 1 Sqm. | Deleted |
| 773 | BMT-M.99 | Fin Fisured Model FF-002 (Square & Tegular Edge) 12mm | 1 Sqm. | Deleted |
| 774 | BMT-M.100 | Random Holes AF-003 (Square & Tegular Edge) 12mm | 1 Sqm. | Deleted |
| 775 | BMT-M.101 | Random Pin Holes APH-004 (Square & Tegular edge) 12 mm | 1 Sqm. | Deleted |
| 776 | BMT-M.102 | Sand Face ASF-005 (Square & Tegular Edge) 12mm | 1 Sqm. | Deleted |
| 777 | BMT-M.103 | Regular Pin Holes PH-001 (Square & Tegular Edge) 15mm | 1 Sqm. | Deleted |
| 778 | BMT-M.104 | Fin Fisured Model FF-002 (Square & Tegular Edge) 15mm | 1 Sqm. | Deleted |
| 779 | BMT-M.105 | Random Holes AF-003 (Square & Tegular Edge) 15mm | 1 Sqm. | Deleted |
| 780 | BMT-M.106 | Random Pin Holes APH-004 (Square & Tegular Edge) 15 mm | 1 Sqm. | Deleted |
| 781 | BMT-M.107 | Sand Face ASF-005 (Square & Tegular Edge) 15mm | 1 Sqm. | Deleted |
| 782 | BMT-M.108 | Vinyl laminated MPL Gypsum Panels 600 X 600 X 9 mm | 1 Sqm. | Deleted |
| 783 | BMT-M.109 | Supply and fixing of wall panelling of 8 mm thick V-BOARD(IS 14862)provided with frame work made of GI stud profile of size 48 x 40 x 10 x 0.55 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self-tapping, self-embedding screws fixed around at every 300 mm (centres) leaving a 3 mm gap. The Gap will be covered with a decorative beading or jointing compound. Surface will be given a smooth finish with one coat of primer. Inclusive of all taxes. | 1 Sqm | Deleted |
| 784 | BMT-M.110 | Supply and fixing of wall panelling of 10 mm thick V-BOARD(IS 14862) provided with frame work made of GI stud profile of size 48 x 40 x 10 x 0.55 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self-tapping, self-embedding screws fixed around at every 300 mm (centres) leaving a 3 mm gap. The Gap will be covered with a decorative beading or jointing compound. Surface will be given a smooth finish with one coat of primer. Inclusive of all taxes. | 1 Sqm | Deleted |
| 785 | BMT-M.111 | Supply and fixing double skin 8mm thick V- BOARD(IS 14862) partition with Frame work made of GI stud profile of size 48x40x10x 0.55 mm thick placed at every 610 mm C/C intervals and 1220 mm horizontal intervals duly fixed with self-expansion screws, the V- Board of 8 mm thick cladded around with self-tapping self-embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap. The Gap will be covered with a decorative moulding surface will be given a smooth finish with one coat of primer. The rate Inclusive of cost and conveyance of all materials and labour charges etc., Complete. | 1 Sqm | Deleted |
| 786 | BMT-M.112 | Supply and installation of V-PLANKS (IS 14862) of size 150 x 3000 x 8mm manufactured by on to an existing steel structure made using Top hat profile / furring channel of 51mm web, 22mm flange of 0.5mm thick (minimum) fastened to the plastered brick wall using anchor bolts / anchor screws, spaced at every 2' (610mm). V planks are screwed to the furring channel using self-drilling screws of 8g x 25mm (minimum) at every 2' at distance of 15mm from the edge of the plank. V Planks fixing is started from the bottom, followed by next plank overlapped by 25mm on to the bottom plan thereby hiding the screws perfectly and continued up to the top. Water based cement primer should be applied to the planks before finishing with the exterior grade paints. (up to 3 floors) Above 3 floors labour charges will be extra and steel grid will change. | 1 Sqm | Deleted |
| 787 | BMT-M.113 | Supply and installation of V- PLANKS (IS 14862) of size 200 x 3000 x 8mm thick manufactured by on to an existing steel structure made using Top hat profile / furring channel of 51mm web, 22mm flange of 0.5mm thick (minimum) fastened to the plastered brick wall using anchor bolts / anchor screws, spaced at every 2' (610mm). V planks are screwed to the furring channel using self-drilling CSK screws of 8g x 25mm (minimum) at every 2' at distance of 15mm from the edge of the plank. V- Planks fixing is started from the bottom, followed by next plank overlapped by 25mm on to the bottom plan thereby hiding the screws perfectly and continued up to the top. Water based cement primer should be applied to the planks before finishing with the | 1 Sqm | Deleted |

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| | | exterior grade paints. (up to 3 floors) Above 3 floors labour charges will be extra and steel grid will change. | | |
| | | DRY WALL PARTITION WITH 50 MM THICK V-PANEL | | |
| 788 | BMT-M.114 | Supply& fixing of 50 mm thick V-PANELcomprise of two 5mm thick V-Boards (asbestos-free fibre reinforced cement sheetsconforming toIS 14862) strongly bonded with core material which is light weight concrete mix of Portland cement, expanded polystyrene bead aggregates and admixture. V-Panels with unique semi-circular Tongue & Groove Joining System provides better stability, rapid installation and better workability. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 28x52x31 mm fixed to the existing floor with 6x60mm nylon self-expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 0.8 mm thick GI Channel of size 31 x 52 x 31 mm duly fixed to the existing ceiling with 6x60mm nylon self-expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the jointing compound in all the exposed joints. The rate includes cost of 50mm V-PANELS, G.I. Floor and ceilingChannel. | 1 Sqm | Deleted |
| 789 | BMT-M.115 | Supply& fixing of 75 mm thick V-PANELcomprise of two 5mm thick V-Boards (asbestos-free fibre reinforced cement sheetsconforming toIS 14862) strongly bonded with core material which is light weight concrete mix of Portland cement, expanded polystyrene bead aggregates and admixture. V-Panels with unique semi-circular Tongue & Groove Joining System provides better stability, rapid installation and better workability. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 28x77x31 mm fixed to the existing floor with 6x60mm nylon self-expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 0.8 mm thick GI Channel of size 31x77x31 mm duly fixed to the existing ceiling with 6x60mm nylon self-expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the jointing compound in all the exposed joints. The rate includes cost of 75mm V-PANELS, G.I. Floor and ceilingChannel. | 1 Sqm | Deleted |
| | N. | DOORS <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| 790 | BMT-N.01 | Providing and fixing factory made polyvinyl chloride (PVC) Door Frame of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 10 mm rigid PVC foam sheet, mitre cut at two corners and joined with 2nos. of 150mm long brackets of 15x15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 gauge. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufacturers specification and direction of Engineer-in-Charge for finished item of work | 1 Rm | 325 |
| 791 | BMT-N.02 | Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 30 x 50mm forming stiles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet to be fitted in the M.S. frame welded / sealed to the stiles & rails with | 1 Sqm. | 2362 |

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| | | 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive. Complete as per direction of Engineer-in-charge, manufacturer's specification & drawing for finished item of work. | | |
| 792 | BMT-N.03 | Providing and fixing 30mm thick BRAND FACTORY MADE BOTHSIDE PRELAM SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" Prelam Pac 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 450 angle on either side forming stiles; and 5mm thick, 95mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered in 450 on the inner side to form top and bottom rail 115mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rail shall be provided either side of the panel. 10mm (5mmX2) thick, 20mmwide cross Pac sheet shall be provided as gap insert for top and bottom rail. Panelling of 5mm thick both side Prelam Pac sheet to be fitted in the MS. Frame welded/ sealed to the stiles & rails with 7mm(5mm+2mm) thick X 15mm wide Pac sheet beading on inner side, and joined together with solvent cement adhesive etc. an additional 5mm thick Pac strip of 20mm width is to be stuck on the interior side of the 'C' channel using Pac solvent cement adhesive etc. complete as per direction of Engineer –in-charge, manufacture specification and drawing. | 1 sqm | 2700 |
| 793 | BMT-N.04 | Providing and fixing 30mm thick BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, and 15mmX15mm for top and bottom rails. The MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" single side Prelam Pac 'C' channel of size 30mmX50mm to form stiles.5mm thick& 75mm wide single side prelim Pac sheets shall be for the top, bottom and lock rails. Panelling of 5mm thick one side Pac sheet to be fitted in the MS. Frame and sealed to the front (prelam side) stiles and rails (which should have a 5mm 45 bent portion as beading) and attached to the back(white/ivory) stiles and rails which should have a 10mm 900 bent portion as beading) using 2nos. 15mm wide X 5mm thick Pac sheet beading inside the 90 bent beading. All stiles, rails and beadings are to be joined to the panel using solvent cement etc. an additional 5mm thick Pac strip of 20mm width to be stuck on the interior side of the "C" channel using Pac solvent cement adhesive and 10mm(5mmX2) thick, 20mm wide cross Pac sheet to be fitted as gap insert for top and bottom rail etc. complete as per direction of Engineer –in-Charge, manufacture specification and drawing. | 1 sqm | 2450 |
| 794 | BMT-N.05 | SUPPLY & FIXING or equivalent SINGLE SIDE PRELAM SOLID PANEL PVC DOOR FRAME (CHOUKHAT) Providing and fixing factory made Pac single side Prelam door frame of the size 50X47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid Pac single side prelam sheet, meter cut at two corners and joined with 2nos. of 150mm long brackets of 1515mm MS.Square tube. The two vertical door profiles are to be reinforced with 19X19mm MS. square tube of 19guage. The door frame shall be fixed to the wall using 65/100mm long MS. Screws through the frame by using Pac fasteners. a minimum of 4nos. of screws to be provided for each vertical member and minimum 2nos. for horizontal member etc. complete as per manufacturer specification and direction of Engineer-in-charge. | 1 Rm | 340 |
| 795 | BMT-N.06 | Providing and fixing 35mm thick BRAND FACTORY MADE MOULDED DOOR SHUTTER consisting of sold core single leaf flush door of 30mm thickness, lipped with 15mm (5mmX3) thick X 30mm width on one stiles and top rails and 10mm (5mmX2) thick X 30mm width on the other stiles and bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded Pac sheet with 2,4,6 raised panel design in different panel | 1 sqm | 2900 |

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| | | and / or prelam colours on one side after routing the moulded design on flush door and 2mm prelam Pac sheet on other side using rubber adhesive on flush door and solvent cement adhesive on Pac lipping etc. complete as per direction of Engineer-in-Charge, manufacturer specification and drawing | | |
| 796 | BMT-N.07 | MOULDED PVC DOOR – WOOD FREE Providing and fixing 30mm thick Rajshri Brand factory made Moulded door shutter- wood free consisting of frame made out of MS. tubes 19gauge thickness and size of 25mmX25mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers. The inner panel shall consist of 25mm thick High density EPS conforming to IS 4671-1984 bounded with 2mm thick termite proof, water proof and fire resistant moulded Pac sheet with 2,4,6 raised panel design in different plain and / or prelam colours after routing to the moulded design on one side and 2mm plain and / or prelam Pac sheet on other side of the EPS. The edge of panel to be sealed with lipping of 10mm wide PVC sheet bottom (made by sticking 2 rigid foam sheet of 5mm thickness using Pac solvent cement) and stiles sides 25mm(5mmX5) thick and 30mm width Pac sheet fitted along Ms. Tube for lock provision for lock height 5mm thick Pac sheet of size 150mmX100mm fixed with upper and lower face of inner side of EPS Panel etc. Complete as per direction of Engineer – in-Charge, manufacturer specification and drawing | 1 sqm | 2475 |
| 797 | BMT-N.08 | Providing and fixing 30mm thick BRAND FACTORY MADE WIRE MESH SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mmX19mm for stiles and 15mm for top, lock & bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. 19mmX19mm M.S. square tubes shall be covered with 5mm thick heat moulded “Rajshri” PVC ‘C’ channel of size 30mm thickness, 90mm width out of which 75mm shall be flat and 15mm shall be flat and 15mm shall be bent in 900 on the inner side to from top and bottom rail land 130mm wide PVC sheet out of which 100mm shall be flat and 154mm shall be bent in 900 on both side to from lock rail, 10mm(5mmX2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panel will be of G.I.wire mesh of 24gauge to be fitted in by ‘C’ channel of size 35mm X10mm on the either side in the stiles. The inner side ‘C’ channel is fixed by 19mmX19mm MS. Tube on both sides with screws. The wire mesh in top bottom & lock rail is sealed with 15mm X 15mm tube with G.I.wire 10mm(5mmX2) thick PVC strip of 25mm width is to be stuck& nails on both side of G.I. wire mesh interior at the top, bottom & lock rail. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the ‘C’ channel using PVC solvent cement adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawings | 1 sqm | 2200 |
| 798 | BMT-N.09 | Providing and fixing PVC door cladding to the flush doors shutters . For the new doors it shall be pasted with Fevicol SSR 998 or nailed to the old doors. complete as per direction of Engineer –in – charge, manufacturers specification and drawing - 1 mm thick | 1 sqm | 377 |
| 799 | BMT-N.10 | Providing and fixing PVC door cladding to the flush doors shutters . For the new doors it shall be pasted with Fevicol SSR 998 or nailed to the old doors. complete as per direction of Engineer –in – charge, manufacturers specification and drawing - 1.5 mm thick | 1 sqm | 430 |
| 800 | BMT-N.11 | Providing and fixing PVC door cladding to the flush doors shutters . For the new doors it shall be pasted with Fevicol SSR 998 or nailed to the old doors. complete as per direction of Engineer –in – charge, manufacturers specification and drawing - 2.0 mm thick | 1 sqm | 485 |
| 801 | BMT-N.12 | Flush door shutters, solid bond wood block board type with teak ply on both faces.: 25 mm thick conforming to IS:2202 | 1 sqm | 1909 |
| 802 | BMT-N.13 | Flush door shutters, solid bond wood block board type with teak ply on both faces.: 30 mm thick conforming to IS:2202 | 1 sqm | 2003 |
| 803 | BMT-N.14 | Flush door shutters, solid bond wood block board type with teak ply on both faces.: 35 mm thick conforming to IS:2202 | 1 sqm | 2188 |
| 804 | BMT-N.15 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 25 mm thick conforming to IS:2202 | 1 sqm | 1088 |
| 805 | BMT-N.16 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 30 mm thick conforming to IS:2202 | 1 sqm | 1314 |
| 806 | BMT-N.17 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 35 mm thick conforming to IS:2202 | 1 sqm | 1488 |

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| 807 | BMT-N.18 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 40 mm thick conforming to IS:2202 | 1 sqm | 1685 |
| 808 | BMT-N.19 | Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 20 mm thick conforming to IS:2202 | 1 sqm | 2097 |
| 809 | BMT-N.20 | Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 25 mm thick conforming to IS:2202 | 1 sqm | 2038 |
| 810 | BMT-N.21 | Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 30 mm thick conforming to IS:2202 | 1 sqm | 2256 |
| 811 | BMT-N.22 | Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 35 mm thick conforming to IS:2202 | 1 sqm | 2461 |
| 812 | BMT-N.23 | Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 40 mm thick conforming to IS:2202 | 1 sqm | 2812 |
| 813 | BMT-N.24 | Supply and fixing of E-board door shutter with alround style "U" lipping size 15 x 18 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with 16 mm thick E-board with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 Nos. M.S. nickel coated 250 mm long 1 No. M.S. Tower bolts including cost and conveyance of all materials at site and applying 1 coat of primer, 2 coats of lappum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | 1 Sqm. | Deleted |
| 814 | BMT-N.25 | Providing and fixing frame made from 1.2 mm powder coated cold rolled steel profiles of overall section size of 60 mm x 45 mm with 21 mm rivet for shutter with necessary stiffeners hinges and screws. E-board shutter with alround 'U' lipping of size 15 X 18 X 15 mm made from 0.8 mm thick CRCA powder coated steel profile with 16 mm thick E-board with necessary screws fixed at every 1'-0" interval 250 mm long aldrops 2 Nos. MS Nickel coated 250 mm long 1 No. MS tower bolt including cost and conveyance. One coat of primer, 2 coats of lappum and 2 coats of synthetic enamel paint as per approved colour, labour charges etc. | 1 Sqm. | Deleted |
| 815 | BMT-N.26 | Supply and fixing of Cement Bonded Particle Board (IS 14276) cup board frames and shutters and using 16mm Cement Bonded Particle Board duly painted both sides with one coat of primer and two coats of synthetic / enamel paint of approved shade and brand including fixing of hardware like M.S. powder coated Piano hinges of size 18mm x 18mm, brass ball catches, Aluminum tower bolts and handles , Godrej locks, Fevicol, screws and nails including cost and conveyance of all materials, labor charges, all incidental and operational charges etc., complete for finished item of work at site as per the directions of Engineer in Charge. | 1 sqm | Deleted |
| 816 | BMT-N.27 | Supply and fixing BISONPANEL (IS 14276) single door shutter using with 16MM BISONPANEL with all-round "U" section of size 12mmx18mmx12mm made from 0.6 mm thick galvanized, color quoted cold rolled steel profiles with necessary screws fixed at every 304.8 mm intervals. The cost inclusive of MS Nickel coated Aldrops of size 255 mm long 2 Nos., 200 mm long tower bolts 1 No., 125 mm handles 2 Nos. 300 mm long "T" hinge cost and conveyance of all materials at site and applying 1 coat primer, 1 coat of lappum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | 1 Sqm | Deleted |
| 817 | BMT-N.28 | Supply and fixing of Cement Bonded Particle Board (IS 14276) door shutters using with 16MM Cement Bonded Particle Board with all round style "U" size of 20mmx18mm x20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with Cement Bonded Particle Board separating two shutter with 30mmx18mmx30mm Stepped lipping with necessary screws fixed at every 1'-0" (304.8mm) intervals. Ms Nickel coated 250 mm long aldrops 2 no's, MS powder coated 250mm long tower bolt 2no's , & 2no's MS powder coated 125 mm long grip handle. Including cost and conveyance of all materials at site and applying one coat of primer, 2 coats of lappum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | 1 Sqm | Deleted |
| 818 | BMT-N.29 | Supply and fixing of BISON LAM single door shutter using 16MM CEMENT | 1 Sqm | Deleted |

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| | | BONDED PRE-LAMINATED PARTICLE BOARDS with all round section "U" size of mm thick galvanized pre-painted cold rolled steel profiles BISON LAM with necessary screws fixed at every 1'0" (304.8mm) intervals. The cost inclusive of MS Nickel coated 250mm long aldrops 2 no's , MS powder coated 250mm long tower bolt 1 no's, 2no's MS powdercoated 125mm long grip handle, 1 no's M.S.P.C. Door stopper. Including cost and conveyance of all materials at site labour charges etc., complete finished item of work. | | |
| 819 | BMT-N.30 | Supply and fixing of BISON LAM double door shutter using 16MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS with all round "U" section size of 20mm x 18mm x 20mm made from 0.6mm thick galvanized pre-painted cold rolled steel profiles with BISON LAM separating two shutter with 30mm x 20mm x 30mm stepped lipping with necessary screws fixed at every 1'0" (304.8mm) intervals. The cost inclusive of MS Nickel coated 250mm long aldrops 2no's, MS powder coated 125mm long grip handle, 2 no's M.S.P.C. Door stopper. Including cost and conveyance of all materials at site labour charges etc., complete finished item of work. | 1 Sqm | Deleted |
| 820 | BMT-N.31 | Doors Frames (Colour Coated Steel Sections) & Shutter using Cement Bonded Particle Board as per IS 14276 (Bison Panel or equivalent) : Providing and fixing of door frame made from cold roll formed sections made of galvanized (Base steel as per IS277 with zinc of 120 Gms/sqm) colour coated steel sections with total coated thickness of 1mm, primer coated with epoxy primer coat of 5-7 microns thick, finish paint with polyester paint of 12-16 microns. The Section for door frame is to be filled with polyurethane (P.U) form of 40kg/m3. Overall size of frame section should be of 50mm x 50mm. With necessary corner brackets, stiffeners, hinges, and screws. Cement Bonded particle board shutter (Bison Panel or equivalent) "Single Leaf" with all round styles "U" section of size 12m x 18m x 12mm made from 0.6 mm thick galvanized, colour coated cold rolled steel profiles with 16mm thick Cement Bonded particle Board (Bison Panel or equivalent) with necessary screws fixed at every 1'-0" (304.8mm) intervals. The cost inclusive of MS nickel coated Aldrop of size 250mm long 2nos. 200mm long tower bolt 1no., 125mm handles 2nos., cost and conveyance of all materials at site and applying one coat primer , one coat of luppum and two coats of synthetic enamel paint as per approved design for finished item of work | 1 Sqm | Deleted |
| 821 | BMT-N.32 | Supply and fixing of BISONPANEL (IS 14276) box type cup board using BISONPANEL for making frame of size 100mm x 35mm using two sandwiched 16MM boards, one BISONPANEL and one CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS with plain 35mm wood lipping. The Shutters are made of 16MM thick CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS (Pre-Laminated Cement Bonded Particle Board) of approved shade inclusive of hardware like M.S. powder coated Piano hinges of size ¾" x ¾" , Aluminum powder coated handles of size 4" (101.6mm), Aluminum tower bolt 4" (101.6mm) Godrej locks, screws, wood lipping and Fevicol etc., complete finish item of work. | 1 Sqm | Deleted |
| 822 | BMT-N.33 | Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS door shutter made out of U sections of size 12x14x12 made from 0.6mm thick pps sections with 12MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS with necessary screws fixed at every 1'.0"interwells. The hardware consists of 250mm long aldrop – 2 Nos.150mm Handle- 1 No , 150 mm long ms powder coated tower bolt 1 no. nickle coated. The cost is inclusive of all incidentals, labor transportation charges. | 1 Sqm | Deleted |
| 823 | BMT-N.34 | Supply and fixing of V- Board door shutter with alround style "U" lipping size 15 x 18 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with 16 mm thick V-board with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance of all materials at site and applying 1 coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | 1 Sqm | Deleted |
| 824 | BMT-N.35 | Providing and fixing frame made from 1.2 mm powder coated cold rolled steel profiles of overall section size of 60 mm x 45 mm with 21 mm rivet for shutter with necessary stiffeners hinges and screws. V- Board shutter with alround style "U" lipping of size 15 x 18 x 15 mm made from 0.8 mm thick CRCA powder coated steel profile with 16 mm thick V-board with necessary screws | 1 Sqm | Deleted |

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| | | fixed at every 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance. One coat of primer, 2 coats of lippum and 2 coats of synthetic enamel paint as per approved colour, labour charges etc.,. | | |
| 825 | BMT-N.36 | Supply and fixing Sintex or equivalent doors are made out of PVC section and panels. The overall dimension of the same is 33mm X 47mm with usual process variation and having a wall thickness of 1.5mm with a variation of \pm 0.3mm. The infill is seamless hallow multi chambered PVC single panel having an effective dimension of 762mm X 20mm having a wall thickness of 1mm \pm 0.3mm complete, for finished item of work. | Sqm. | Deleted |
| 826 | BMT-N.37 | Supply and fixing PVC door frames made from extruded sections in overall dimensions of 40 X 48mm having a wall thickness of 1.5mm with usual process variation of \pm 0.3mm, complete, for finished item of work. | 1 RM. | Deleted |
| 827 | BMT-N.38 | Supply and fixing of V-board wall panelling (water, fire and termite resistant) with frame work made of GI stud profile of size 48 x 40 x 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick V- Board / Cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. Inclusive of all taxes: With 8 mm V- Board | 1 Sqm | Deleted |
| 828 | BMT-N.39 | Supply and fixing double skin V- Board partition with Frame work made of GI stud profile of size 48x40x 10x 0.6 mm thick placed at every 610 mm C/C intervals and 915 mm horizontal intervals duly fixed with self expansion screws, the V- Board of 8 mm thick cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0"(610 mm). The Gap will be covered with a decorative moulding surface will be given a smooth finish over cement primer. The rate Inclusive of cost and conveyance of all materials and labour charges etc., Complete. DOUBLE SKIN PARTITION | 1 Sqm | Deleted |
| 829 | BMT-N.40 | Supply and fixing of PVC cupboards for kitchen and bedrooms shall be made out of multi chambered PVC sections having overall dimensions of 20 X 762mm with a wall thickness of 1.2mm \pm 0.3mm. The cabinets shall be made as per the requirements of the room with groove system. The PVC section surface shall be plain and laminated finish to have good look, completed, for finished item of work for SINTEX OR equivalent PVC CABINETS | 1 Sqm. | Deleted |
| 830 | BMT-N.41 | Supply and fixing of Sintex Frontura door shutter consisting of Sintex make or equivalent FRP (Fibre Reinforced Plastic) panels on either sides with depressed panelled design for door having overall wall thickness of 1.5mm + 0.35 mm with usual process variation. The core of the door shutter shall be filled with Polyurethane foam (PUF) injected with the help of Hydraulic Injection method, wooden block of 35mm x 31mm shall be provided on all four side of the door shutter. Necessary wooden blocks shall be provided to take up necessary hard wares and fixtures etc. with steel wire mesh at the centre of the door the rate inclusive of all taxes and finished item work. Max size: 838mm (W) x 2060mm(H) Colour GOLDEN BROWN. SINTEX FRONTURA DOOR SHUTTER (25MM THICK) | 1 Sqm. | Deleted |
| 831 | BMT-N.42 | Supply and fixing of sintex door shutter made from specially hotpress moulded SMC (Sheet moulding compound) sheet polytherencore and PVC Frame section. SMC sheets shall be made from SMC confirming to IS-13410 sheets shall have an average thickness of 1.4mm+/- 0.35mm on both sides. Core of the door shall be filled with high density polyurethane foam injected with the help of hydraulic injection method shutter frame to be made of PVC Extruded section of 26mm x 47mm with a wall thickness of 1.4mm+/-0.3mm on both sides corresponding to sintex code DWUF 305 the hardware location shall be reinforced with special polymeric reinforcement wooden blocks of suitable size. The corners of the shutter frame shall be reinforced with polymeric L shaped angle size of 105 x 230mm corresponding sintex code PR-02 the lock rail shall be made from PVC Extruded sections having overall dimensions of 26mm x 47mm x 1.4mm +/- 0.3mm on both sides. The usual process of variation corresponding sintex code of 305 combining two nos. wooden pieces are inserted on the periphery suitable M.S.Tube | 1 Sqm. | Deleted |

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| | | reinforcement shall be provided on the one vertical side of shutter frame | | |
| 832 | BMT-N.43 | Supply and fixing of Sintex Door shutter made from specially Hot Press Moulded SMC (Sheet moulding compound) sheets, Polyurethane core and PVC Frame section SMC sheets shall be made from SMC conforming to IS-13410 sheets shall have an average thickness of 1.4 mm +/- 0.35 mm on both sides. Core of the door shutter shall be filled with high density polyurethane foam, injected with the help of hydraulic injection method shutter frame to be made of PVC extruded section conforming to IS: 10151: 1982 of size 26 mm x 46 mm with a wall thickness of 1.4 mm +/- 0.3 mm on both sides corresponding to Sintex code DWUF 305. The hardware locations shall be reinforced with special polymeric reinforcement wooden blocks of suitable size. The corners of the shutter frame shall be reinforced with Polymeric 'L' shaped angle of size 105mm x 230mm corresponding to Sintex code PR-02 the lock rail shall be made from PVC extruded sections having overall dimensions of 26 mm x 46 mm 1.5 mm +/- 0.3 mm on both sides, with usual process variation corresponding to Sintex code 305 combining two numbers. Wooden pieces are inserted on the periphery. Suitable MS Tube reinforcement shall be provided on vertical sides of shutter frame the rate inclusive of all taxes and finished item work Colour: White & Grey | 1 Sqm. | Deleted |
| 833 | BMT-N.44 | SINTEX ENDURA DOOR SHUTTER (26MM THICK) | 1 Sqm. | Deleted |
| 834 | BMT-N.45 | Supply and fixing of door shutters made of rigid PVC extruded hollow section(Nandi or equivalent) of 20mm X 200 mm with the wall thickness of 1.0mm +/- 0.1mm equally divided into 4 no's with tongue and groove locking arrangements. The shutter frame is made of 30mm X 79mm with the wall thickness of 1.5mm +/-0.15mm section mitre-cut and joined at 4 corners with 125mm X 225mm plastic brackets. The shutter shall be horizontally reinforced with 2 no's of 8mm PVC rods. Teak wood batons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed onto the door shutter. | Sqm. | 1923 |
| 835 | BMT-N.46 | Supply and fixing of door frame made of hollow extruded PVC section having dimensions of 40 X 57mm with the wall thickness of 2mm +/- 0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2 corners shall be metri-cut/ welded. PVC DOOR FRAME | 1 RM | 254 |
| 836 | BMT-N.47 | Supply and fixing of door frame made of hollow extruded PVC section having dimensions of 40 X 46 mm with the wall thickness of 2mm +/- 0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2 corners shall be mitre cut/welded | 1 RM | 200 |
| 837 | BMT-N.48 | Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with std. Spn (S.S.) fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Single shutter 2'-0" x 4'-0" (609.6x1219.2mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 838 | BMT-N.49 | Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with std. Spn (S.S.) fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 839 | BMT-N.50 | Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with std. Spn (S.S.) fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 840 | BMT-N.51 | Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Single shutter 2'-0" x 4'-0" (609.6x1219.2mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 841 | BMT-N.52 | Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour | 1 Sqm | Deleted |

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| | | charges etc. complete for finished item of work.: Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40 mm | | |
| 842 | BMT-N.53 | Supply & fixing of Fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work.: Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 843 | BMT-N.54 | Supply & fixing of Door frames made of all formed sections of 1.25mm thick CRCA section, size should be 50x60mm with 32mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. complete for finished item.: Single shutter 3'-0" x 7'-0" (914.4x2133.6mm) outer frame section size of 50 x 60 mm | 1RM | 219 |
| 844 | BMT-N.55 | Supply & fixing of Door frames made of all formed sections of 1.25mm thick CRCA section, size should be 50x60mm with 32mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. complete for finished item.: Double shutter 5'-0" x 7'-0" (1524 x 2133.6mm) outer frame section size of 50 x 60 mm | 1 RM | 219 |
| 845 | BMT-N.56 | Supplying & fixing of Door frame made of roll formed section of 1.25 mm thick CRCA section, size should be 50 x 60 mm with 32 mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. Complete for finished item of work.: Single shutter 3'-0" x 7'-0" (914.4x2133.6mm) outer frame section size of 50 x 75 mm | 1 RM | 248 |
| 846 | BMT-N.57 | Supplying & fixing of Door frame made of roll formed section of 1.25 mm thick CRCA section, size should be 50 x 60 mm with 32 mm rebate. The corner of the frame should be welded. The frame should be painted with one coat of primer and finished painted with pure polyester paint. The frame should be provided with approved quality butt hinges of 3 Nos. Complete for finished item of work.: Single shutter 5'-0" x 7'-0" (1524x2133.6mm) outer frame section size of 50 x 75 mm | 1 RM | 248 |
| 847 | BMT-N.58 | Providing and fixing door frames fabricated from sections made of galvanized steel powder coated (base steel as per IS 513, galvanised as per IS 277 with zinc of 120 grams / square metre), the factory made section are powder coated with pure polyester powder of 50-60 microns thick with total coated thickness of 1.25 mm, size of door frame section is of 105 x 60 mm with a rebate of 38 mm to accommodate 35 mm thick door shutter, with groove to insert gasket in the frame section, frame section filled with polyurethane foam, cut to length, and joined by way of welding, each frame provided with: a) 2mm thick MS powder coated butt hinges of 100 mm long – 3 Nos. for single shutter, 6 Nos. for double shutter. b) CRCA electroplates stiffeners of 6 Nos. – 3 in each vertical. c) 40 mm x 200 mm x 1.2 mm hold fasts screwed to stiffeners – 6 Nos. with split end tail. d) Nylon Aldrop Receiver – 1 No. for single shutter frame. e) Tie Rod – 1 No | 1 RM | 759 |
| 848 | BMT-N.59 | Providing and fixing of door frames factory made, internal door frames without threshold, fabricated from pre painted cold roll formed section 100 mm x 60 mm made of galvanized (base steel as per IS-513 'D' quality galvanized as per IS-277 with Zinc of 120 Gms/sqm) steel colour coated sections with total coated thickness of 1 mm primer coated with epoxy primer of 5-7 microns thick finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns, the frame section filled with polyurethane (PU Foam) of 40 kg/Cu.m and the sections cut to length and mitre joined by means of 1.25 mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25 mm thick electroplated stiffeners of size 150 mm for fixing hold fasts and hinges with MS Powder coated fittings a) 6 Nos M.S. Z Type hold fasts made of 30 mm x 3 mm MS flat of 230 mm long, 3 Nos each size expandable PVC covered screw type fasteners b) 2.5 mm x 300 mm long 'T' hinges /2.5 mm x 50 mm x 50 mm x 100 mm two way but hinges (3 Nos for single leaf or 2 Nos for Double leaf/leaf) c) 12 mm dia MS tie rod at bottom with necessary size of nuts on either side. | 1 RM | 474 |

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| 849 | BMT-N.60 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - only two glass shutters sliding - 95 -Series duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 sqm | 6394 |
| 850 | BMT-N.61 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - two glass shutters sliding and one mesh shutter sliding- 95 - Series duly manufactured using UPVC reinforced profiles of (108 mm x 45 mm)/(95.50 mm x 60 mm) x 2.0 mm for outer frames, (75 mm x 39 mm)/(66 mm x 42 mm) x 2.0 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter shall be made of (48.5 mm x 30 mm))/(50 mm x 26.5 mm) x 2.0 mm uPVC profile section and fitted with nylon/polymer mesh and rollers/pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 sqm | 7066 |
| 851 | BMT-N.62 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - three glass shutters sliding - 112 -Series duly manufactured using UPVC reinforced profiles of 112.0 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 sqm | 6731 |
| 852 | BMT-N.63 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections as per the need and 102 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant and accessories for openable door - hinges of stainless steel grade 304- 3 Nos., per shutter handle with mazak alloy casting 1 No. per shutter, locking system suitably concealed 1 No., with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 8009 |
| 853 | BMT-N.64 | Supplying and fixing door shutter, with shutter frame and infill panel made from PVC material conforming to IS: 10151-1982, the shutter frame made out | 1 Sqm | 1038 |

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| | | of PVC extruded sections having overall dimension of 47 mm x 33 mm with wall thickness of 1.2mm + 0.3mm with usual process variation, the shutter frame with tapered shape to provide better grip to the infill panel end to drain out the water The Infill panel is made out of PVC Sections having Overall Dimensions of 200 mm x 20 mm with wall thickness of 1mm + 0.2mm, the shutter frames mitre cut and joined at the corner, by providing Polymeric "L" type corners to take hardware & fixtures fixed with 10-20mm counter sunk fully threaded parallel shank steel screws, all the hardware locations reinforced with special polymeric bars as per drawings, stickers showing locations of different hardware pasted on the shutter, the infill panels joined by tongue and groove method. | | |
| 854 | BMT-N.65 | PVC Door shutter conforming to IS: 10151-1982, the infill panel made of seamless one piece multi chamber PVC extruded sections having overall dimensions of 610 mm x 20 mm with wall thickness of 1mm + 0.2mm with the top and bottom edges of the shutter covered with end cap of the size 20 mm x 11 mm with the door shutter to be reinforced with special polymeric reinforcements as per drawing for hardware's and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places. | 1 Sqm | Deleted |
| 855 | BMT-N.66 | Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM)coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 1 No., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 3 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work for Single leaf Door | 1 Sqm | 10283 |
| 856 | BMT-N.67 | Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM). coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 2 Nos., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 6 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work for Double leaf Door | 1 Sqm | 10968 |
| 857 | BMT-N.68 | Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick doors - 30 mm thick | 1 Sqm | 1934 |
| 858 | BMT-N.69 | Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick doors - 35 mm thick | 1 Sqm | 2114 |
| 859 | BMT-N.70 | Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 30 mm thick | 1 Sqm | 1571 |
| 860 | BMT-N.71 | Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 35 mm thick | 1 Sqm | 1739 |
| 861 | BMT-N.72 | Providing & fixing 30 mm thick solid panel PVC door shutter consisting of frame made out of 19 guage M.S tube of 19 x 19 mm for stiles, top & bottom rail, with a coat of primer of approved make. M.S. Frame covered with 5 mm thick heat moulded PVC "C" channel of size of 30 x 50 mm forming stiles, 5 mm thick 75 mm wide PVC sheet for top, lock & bottom rail on either side 20 mm wide cross PVC sheet as gap insert for top & bottom rail, panelling of 10mm(+/-)(5mm+5mm)" thick PVC sheet fitted in the M.S. frame welded | 1 Sqm | 3030 |

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| | | /sealed to the stiles, on either side joined together with solvent cement adhesive etc., additional 5 mm thick PVC strip of 20 mm width stuck on the interior side of the C channel using solvent cement, complete as per direction of Engineer-in-charge, manufacturers specification. | | |
| 862 | BMT-N.73 | Supply & Fixing SOLID STEEL DOOR door shutter made out of G I Precoated Sheet with an average wall thickness of 0.35 mm on both sides. MS Tube having dimensions of 19 x 19 mm is inserted along the hinge side of the door, core of the door shutter filled with High Density Polyurethane foam injected with the help of hydraulic injection method, four sides of the door covered with G I Precoated Sheet and the hardware locations reinforced with suitable wooden blocks as per drawing and stickers indicating location of the hardware pasted at appropriate places, etc complete | 1 Sqm | 1480 |
| 863 | BMT-N.74 | Supplying & fixing SINGLE PANEL 30 mm thick PVC DOOR, door shutters with shutter frame and Infill panel made from PVC material, the shutter frame made out of PVC extruded sections having overall dimensions of 60mm x 30 mm with wall thickness of 1.3 mm ± 0.3 mm, with the Infill panel made out of multi chambered seamless hollow PVC extruded panel having overall dimensions of 610 mm x 20 mm having wall thickness 1 mm ± 0.2 mm with the shutter frame meter cut and joined at corners and all the hardware locations reinforced with special polymeric bars as per drawing including providing special PVC braket on hinge side, etc complete | 1 Sqm | 2604 |
| 864 | BMT-N.75 | deleted | | Deleted |
| 865 | BMT-N.76 | Providing & fixing internal prelaminated PVC door frame of size 100 x 45 mm with a wall thickness of 5mm, made of extruded 5 mm Prelam PVC foam sheet, mitred cut at two corners and joined with two nos. of 150mm long brackets of 15 x 15 mm MS square tube, two vertical door profiles reinforced with 40 x 20 MS Tube of 19 guage throughout the frame and the door frame fixed to the wall using 65/100mm long MS screws through the frame by using PVC fasteners with a minimum of 3 nos of screws provided for each vertical member and two nos. for horizontal, etc complete as per drawing and direction of Engineer in Charge | 1 RM | 601 |
| 866 | BMT-N.77 | Supply & Fixing of Powder Coated Mild Steel doors, frames & shutters made of Skin pass galvanized Iron sheet conforming to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr with powder coating of thickness 60-65 Microns, frame with 1.2mm thick Skin pass Galvanized Iron sheet formed to single rebate profile of size 100 mm X 58 mm and filled with in-fil Polyurethane foam, the Door Shutters are with 0.80 mm thick Skin pass Galvanized Iron Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick). Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for industrial, commercial, residential, cleanroom applications | 1 Sqm | 11139 |
| 867 | BMT-N.78 | Supply & Fixing of Stainless steel doors, frames & shutters made of stainless steel grade 304 of hairline finish, frame with 1.2mm thick formed to single rebate profile of size 100 mm X 58 mm and filled with in-fil Polyurethane foam, the Door Shutters are with 0.80 mm thick Stainless steel Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick). Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for industrial, commercial, residential, cleanroom applications | 1 Sqm | 20886 |

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| 868 | BMT-N.79 | Supply & Fixing of Powder Coated Fire Rated doors, frames & shutters made of Skin pass galvanized Iron sheet conforming to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr with powder coating of thickness 60-65 Microns, frame with 1.2mm thick Skin pass Galvanized Iron sheet formed to double rebate profile of size 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Skin pass Galvanized Iron Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick). Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 120 minutes Fire Rated door conforming to IS:3614 (Part2) 1992 | 1 Sqm | 13228 |
| 869 | BMT-N.80 | Supply & Fixing of Powder Coated Fire Rated doors, frames & shutters made of Skin pass galvanized Iron sheet conforming to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr with powder coating of thickness 60-65 Microns, frame with 1.2mm thick Skin pass Galvanized Iron sheet formed to double rebate profile of size 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Skin pass Galvanized Iron Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick). Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 60 minutes Fire Rated door conforming to IS:3614 (Part2) 1992 | 1 Sqm | 12532 |
| 870 | BMT-N.81 | Supply & Fixing of Stainless steel Fire Rated doors, frames & shutters made of Stainless steel of 304 grade hairline finish, frame with 1.2mm thick Stainless steel of 304 grade hairline finish sheet formed to double rebate profile of size 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Stainless steel of 304 grade hairline finish Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick). Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 120 minutes Fire Rated door conforming to IS:3614 (Part2) 1992 | 1 Sqm | 20886 |

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| 871 | BMT-N.82 | Supply & Fixing of Stainless steel Fire Rated doors, frames & shutters made of Stainless steel of 304 grade hairline finish, frame with 1.2mm thick Stainless steel of 304 grade hairline finish sheet formed to double rebate profile of size 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door Shutters are with 0.80 mm thick Stainless steel of 304 grade hairline finish Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick). Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 60 minutes Fire Rated door conforming to IS:3614 (Part2) 1992 | 1 Sqm | 18209 |
| 872 | BMT-N.83 | Supply & Fixing of Lead Lined Clean room doors frames and shutters made of Skin pass galvanized Iron sheet (Conform to Base Steel as per IS 513 "D" Quality, Galvanized as per IS 277 with Hot Zinc Coating of 120 grams / Sq.Mtr.) with powder coating of thickness 60-65 Microns, frame of 1.60mm thick galvanized steel sheet (Conform to IS 277) formed to Single/double rebate profile of size 100mm X 58mm/ 143x58mm, door frames with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the shutter with 1.2 mm thick Galvanized Steel Sheet (Conform to IS 277) formed to provide a 46mm thick fully flush, double skin door shell with Lock Seam joints at stile edges with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the lead sheets extend the full width and height of the door, Lead thickness is equal to the shielding in the adjacent wall, the door frames and door shutters are coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns, coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, hardware with Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter etc complete for finished item | 1 Sqm | 14995 |
| 873 | BMT-N.84 | Supply & Fixing of Lead Lined Stainless steel Clean room door frames and shutters made of Stainless steel grade of 304 hairline finish, frame with 1.60mm (16SWG) thick hairline finish Stainless steel grade of 304 formed to Single/double rebate profile of size 100 mm x 58mm/ 143 x 58 mm, door frames with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the shutter with 1.2 mm thick hairline finish Stainless steel grade of 304 formed to provide a 46mm thick fully flush, double skin door shell with Lock Seam joints at stile edges with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level. The lead sheets extend the full width and height of the door. Lead thickness is to be equal to the shielding in the adjacent wall. Hardware can be provided with Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter etc complete for fished item of work | 1 Sqm | 23671 |
| 874 | BMT-N.85 | Supply and fixing of V- BOARD (conforming to IS 14862) door shutter with all-round style "U" lipping size 15 x 18 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with 16 mm thick V-BOARD with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance of all materials at site and applying 1 coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | 1 Sqm | 1500 |
| 875 | BMT-N.86 | Supply and fixing of BOARD (conforming to IS 14862) 12 mm thick door shutter of size 6'0" x 2'6" with all-round style "U" lipping size 15 x 14 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and | 1 Sqm | 1285 |

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| | | conveyance of all materials at site and applying 1 coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | | |
| 876 | BMT-N.87 | Providing and fixing frame made from 1.2 mm powder coated cold rolled steel profiles of overall section size of 60 mm x 45 mm with 21 mm rivet for shutter with necessary stiffeners hinges and screws. BOARD (IS 14862) shutter with all-round style "U" lipping of size 15 x 18 x 15 mm made from 0.8 mm thick CRCA powder coated steel profile with 16 mm thick V-board with necessary screws fixed at every 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance. One coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved colour, labour charges etc. | 1 Sqm | 1767 |
| 877 | BMT-N.88 | Providing, supplying & fixing of glazed 2 Track -2 Panel Sliding Door made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The sliding outer frame having a overall size of 60 x 45 mm with reinforcement of 1 mm thickness, super sash with overall size of 39 x 75 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 20 x 18mm and coextruded with gasket. Fiber Glass mesh shall be provided in mesh shutter. Window/Door shall be provided with 6 mm plain float glass, standard hardware & multi point locking system of Patio espagnolette. Wall thickness of frame & sash shall be 2.0 mm | 1 Sqm | 5684 |
| | P. | WINDOWS <i>(Landing cost - including material VAT, loading, cost of conveyance, unloading & stacking)</i> | | |
| | | Supplying and fixing of WINDOWS with Prelaminated Cement Bonded Particle boards and Pre-Painted Steel Sections fabricated from pre-painted Cold rolled formed sections made of galvanized steel color coated sections (Base steel as per IS-512 D quality, galvanized as per IS-277 with Zinc of 120 gram/sqm) with total coated thickness of 0.58mm primer coated with epoxy primer of 5-7 microns thick, finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns), sections for outer frame and centre mullion (duly filled with PU form of 40 kg/Cum) of 60mm x 50mm, with provision for fixing glazed shutter and the section for glazed/paneled of size 48 mm x 25 mm and another section of size 60 mm x 23 mm provided for separating glazed and paneled portion, the section cut to length and miter jointed with plastic corner brackets and with corner brackets for window outer frames of 50mm x 60mm, the mullion section fixed to the frame with plastic mullion cap and stiffener plates of size 60 mm x 50 mm made of 1.25mm thick CRCA electroplated provided to fix window frames to concrete/masonry, gasket for fixing glass and 10mm both sides pre-laminated cement bonded particle board and 5 mm thick colour pin headed glass provided for glazing and providing guard bars of 10 mm square rods duly welded at 150 mm pitch to MS flat section of size 18 mm and 3 mm thick, and fixed to wall by means of self expansion nylon Cap (75) and electroplated wooden screws of size 100 mm, together with aluminum powder coated fittings, A) 75mm long grip handles 1 no per shutter, B) 75 mm long tower bolts 2 nos. per shutter, C) Heavy duty SS Pivot hinges 2 nos per shutter, D) MS Powder coated telescopic stay 1 no per shutter. | | |
| 878 | BMT-P.01 | Pre Laminated Cement Bonded Particle Board WINDOWS – Single shutter 2'0"x4'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm | 1 Sqm | Deleted |
| 879 | BMT-P.02 | Pre Laminated Cement Bonded Particle Board WINDOWS –Double shutter 3'0" x 4'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm mullion section size of 50mm x 60mm for outer frame | 1 Sqm | Deleted |
| 880 | BMT-P.03 | Pre Laminated Cement Bonded Particle Board WINDOWS – Double shutter 3'0" x 3'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm Mullion section size of 50mm x 60mm for outer frame. | 1 Sqm | Deleted |
| 881 | BMT-P.04 | Pre Laminated Cement Bonded Particle Board WINDOWS – Double shutter 4'0"x4'0" outer frame section size of 50mm x 60mm shutter frame section size of 48mm x 25mm Mullion section size of 50mm x 60mm for outer frame. | 1 Sqm | Deleted |
| 882 | BMT-P.05 | Pre Laminated Cement Bonded Particle Board WINDOWS – Center fixed both side openable shutters 6'0"x4'0" outer frame section size 50 mm x 60 mm | 1 Sqm | Deleted |

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| | | shutter frame section size of 48mm x 25mm, Mullion section size of 50mm x 60mm fixed beading section size of 12mm x 12mm. | | |
| 883 | BMT-P.06 | Supply and fixing of openable window made out of extruded PVC section and the outer frame having overall dimensions of 40 x 48 mm with a wall thickness of 1.5 mm and the shutter frame with overall dimensions of 26 x 47 mm and wall thickness of 1.2mm ± 0.3mm provided with 5mm glazing, the centre mullion having over all dimensions of 25 x 32.5mm ±0.3mm, complete, for finished item of work. | 1 Sqm. | Deleted |
| 884 | BMT-P.07 | Supply and fixing of two track or three track sliding window with the outer frame of 58 x 45mm with a wall thickness of 1.2mm ± 0.3mm and the sliding shutter frame made of PVC section 57 x 32mm with overall dimensions of 1.5mm ± 0.3mm provided with 5mm glazing including roller bearings and arrestor type handle cum lock complete, for finished item of work. | 1 Sqm. | Deleted |
| | | Supply and fixing of pre-painted steel windows & top hung and fixed louvered ventilators made of pre - painted steel (base steel as per IS 513 of -0.58 mm thick "D" quality, galvanized as per IS 277 with zinc of 120 GSM) primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer, section for outer frame of 46 x 52 mm section and for shutter of 46 x 46 mm section for mullion 46 x 70 mm, and section for beading should be 18 x 25 mm and section for louvered ventilation of 33 x 56 mm Box section and the windows panelled with 5 mm thick plain float glass & 4 mm pinhead glass for ventilators with Ethyl propylene Diamine monomer Gasket (EPDM) and the sections cut to length mitre joined with corner bracket centre mullions fixed using mullion cap and with handle made of high grade aluminium powder coated and nylon receiver, corner brackets made of CRCA with Zinc Phosphate, Mullion caps made of glass filled nylon, frames fixed to the concrete /masonry wall by means of self expanding screws including 10 mm square guard bars with 6" pitch complete for finished item of work. | | |
| 885 | BMT-P.08 | Windows: Single shutter 2'0" x 4'0" (609.6 x 1219.2 mm) Outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm | 1 sqm | 6316 |
| 886 | BMT-P.09 | Windows: Double shutter 3'-0" x 4'-0" (914.4mm x 1219.2 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm | 1 Sqm | 6316 |
| 887 | BMT-P.10 | Windows: Double shutter 3'-0" x 4'-0" (914.4mm x 1219.2 mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | 1 Sqm | 6681 |
| 888 | BMT-P.11 | Windows: Double shutter 4'-0" x 4 '-0" (1219.2x12.19.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm | 1 Sqm | 6498 |
| 889 | BMT-P.12 | Windows: Double shutter 4'-0" x 4 '-0" (1219.2x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | 1 Sqm | 6498 |
| 890 | BMT-P.13 | Windows: Double shutter 4'-6" x 4 '-6" (1371.6x1371.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | 1 Sqm | 5952 |
| 891 | BMT-P.14 | Windows: Centre fixed both side openable shutter 5'-0" x 4'-0" (1524x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm | 1 Sqm | 5952 |
| 892 | BMT-P.15 | Windows: Centre fixed both side openable shutter 6'-0" x 4'-0" (1828.8x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm | 1 Sqm | 5952 |
| 893 | BMT-P.16 | Windows: Centre fixed both side openable shutter 6'-0" x 4'-6" (1828.8x1371.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm | 1 Sqm | 5952 |
| 894 | BMT-P.17 | Ventilators: Top Hung 2 '-0" x 2'-0" (609.6x609.6mm) outer frame section size of 46mm x 52 mm shutter frame section size of 46mm x 46 mm | 1 Sqm | 6924 |
| 895 | BMT-P.18 | Ventilators: Top Hung 4 '-0" x 2'-0" (1219.2x609.6mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | 1 Sqm | 6924 |
| 896 | BMT-P.19 | Ventilators: Top Hung 4 '-0" x 3'-0" (1219.2x914.4mm) outer frame section | 1 Sqm | 6924 |

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| | | size of 46 x 52m m shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | | |
| 897 | BMT-P.20 | Ventilators: Fixed louvers 2'-0" x 2'-0" (609.6x609.6mm)(Box section) outer frame section size of 33 x 56 mm | 1 Sqm | 4737 |
| 898 | BMT-P.21 | Ventilators: Fixed louvers 4'-0" x 2'-0" (1219.2 x 609.6 mm) (Box section) outer frame section size of 33 x 56 mm Mullion section size of 33 x 56 mm | 1 Sqm | 4737 |
| 899 | BMT-P.22 | Ventilators: Fixed louvers 4'-0" x 3'-0" (1219.2 x 914.4 mm) (Box section) outer frame section size of 33 x 56 mm Mullion section size of 33 x 56 mm | 1 Sqm | 4737 |
| | | Providing and fixing of Openable Windows made of pre-painted steel (Base steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 with Zinc of 120 GSM), primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer and section for outer frame of 48 x 50 mm, centre mullion of 48 x 50 mm, section for shutter of 48 x 25 mm and the fixed glass beading section should be 12 x 12 mm and the outer frame and mullions to have rebate for glazed shutter with a 20 mm provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, handle, stay, 2 nos. of stainless steel heavy duty pivot hinges provided per shutter and windows fitted with 5 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work. | | |
| 900 | BMT-P.23 | Single shutter Window 2'0"x4'0" (609.6mm x 1219.2mm). Outer frame section size of 48x50mm shutter frame section size of 48 x 25 mm. | 1 Sqm | 5770 |
| 901 | BMT-P.24 | Double shutter Window with vertical mullion 3'0" x 4'0" (914.4mm x 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 48 x 25 mm. Mullion section size of 48x50mm. | 1 Sqm | 6134 |
| 902 | BMT-P.25 | Double shutter Window with vertical member4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 48 x 25 mm and mullion section should be of 48x50mm. | 1 Sqm | 6134 |
| 903 | BMT-P.26 | Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x1219.2mm). Outer frame section size of 48x50mm. Shutter frame section size of 48 x 25 mm. Mullion section size of 48x50mm. Fixed beading section size of 12x12mm. | 1 Sqm | 5405 |
| 904 | BMT-P.27 | Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x1219.2mm). Outer frame section size of 48x50mm. Shutter frame section size of 48 x 25 mm. Mullion section size of 48x50mm. Fixed beading section size of 12 x 12mm. | 1 Sqm | 5405 |
| | | Providing & Fixing of Openable Windows with Fly-mesh made of pre-painted steel (Base Steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 with zinc of 150 GSM) primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm and the sections cut to length metre joined with corner bracket, centre mullions fixed with mullion cap, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled with 5mm thick plain float glass and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch , complete for finished item of work | | |
| 905 | BMT-P.28 | Single shutter Window 2'0"x4'0" (609.6mm x 1219.2mm). Outer frame section size of 72x50mm shutter frame section size of 48 x 25 mm. | 1 Sqm | 7652 |
| 906 | BMT-P.29 | Double shutter Window with vertical mullion 3'0" x 4'0" (914.4mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of 48 x 25 mm. Mullion section size of 72x50mm. | 1 Sqm | 8017 |
| 907 | BMT-P.30 | Double shutter Window with vertical member4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of | 1 Sqm | 8017 |

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| 908 | BMT-P.31 | 48 x 25 mm and mullion section should be of 72x50mm. Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 48 x 25 mm. Mullion section size of 72x50mm. Fixed beading section size of 12 x 12 mm. | 1 Sqm | 7288 |
| 909 | BMT-P.32 | Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x1219.2mm). Outer frame section size of 72x50mm. Shutter frame section size of 48 x 25 mm. Mullion section size of 72x50mm. Fixed beading section size of 12 x 12 mm. | 1 Sqm | 6377 |
| 910 | BMT-P.33 | Providing and Fixing Pre-painted steel Sliding Window fabricated from Roll formed sections made of galvanized Steel colour coated/powder coated (Base Steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 GM/Sq.mtr) with total coated thickness of 0.58 mm, primer coat with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick and the section for external frame bottom of 79 x 44 mm, external frame sides and top of 69 x 24 mm, guide for top and bottom of 69 x 26 mm (Stainless Steel) and section for shutter of 26 x 30 mm and panelled with 5mm thick plain float glass fitted with corner bracket for internal and external frame made of glass filled nylon, gaskets made of Ethyl Propylene Diamine Monomer (EPDM), sections cut to length, joined and assembled by means of corner bracket, including fixing windows in the concrete/masonry walls by means of self expanding brackets & screws including 10mm square guard bars with 6" pitch (152.4mm) and all taxes etc., complete for finished item of work | 1 sqm | 6783 |
| 911 | BMT-P.34 | deleted | | |
| 912 | BMT-P.35 | deleted | | |
| 913 | BMT-P.36 | deleted | | |
| 914 | BMT-P.37 | deleted | | |
| 915 | BMT-P.38 | deleted | | |
| 916 | BMT-P.39 | deleted | | |
| 917 | BMT-P.40 | deleted | | |
| 918 | BMT-P.41 | deleted | | |
| 919 | BMT-P.42 | deleted | | |
| 920 | BMT-P.43 | deleted | | |
| 921 | BMT-P.44 | deleted | | |
| 922 | BMT-P.45 | deleted | | |
| 923 | BMT-P.46 | deleted | | |
| 924 | BMT-P.47 | deleted | | |
| 925 | BMT-P.48 | deleted | | |
| 926 | BMT-P.49 | deleted | | |
| 927 | BMT-P.50 | deleted | | |
| 928 | BMT-P.51 | deleted | | |
| 929 | BMT-P.52 | deleted | | |
| 930 | BMT-P.53 | deleted | | |
| 931 | BMT-P.54 | deleted | | |
| 932 | BMT-P.55 | deleted | | |
| 933 | BMT-P.56 | deleted | | |
| 934 | BMT-P.57 | deleted | | |
| 935 | BMT-P.58 | deleted | | |
| 936 | BMT-P.59 | Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. : Single shutter 2'-0" x 4'-0" (609.6 x 1219.2mm) Shutter section size 20 x 40mm | 1 Sqm | Deleted |
| 937 | BMT-P.60 | Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40mm | 1 Sqm | Deleted |
| 938 | BMT-P.61 | Supply & fixing of fly mesh shutters of size 20x40mm fly proof mesh with std. Spn (S.S) fly mesh including cost and conveyance of all materials, and labour charges etc. Complete for finished item of work including of all taxes. Double | 1 Sqm | Deleted |

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| 1 | 2 | 3 | 4 | 5 |
| | | shutter 4'-0" x 4'-0" (1219.2 x 1219.2mm) shutter section size 20 x 40mm | | |
| 939 | BMT-P.62 | Supply & fixing of fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work including of all taxes. Single shutter 2'-0" x 4'-0" (609.6 x 1219.2mm) shutter section size 20 x 40mm | 1 Sqm | Deleted |
| 940 | BMT-P.63 | Supply & fixing of fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work including of all taxes. Double shutter 3'-0" x 4'-0" (914.4 x 1219.2mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 941 | BMT-P.64 | Supply & fixing of fly mesh shutters of size 20 x 40 mm fly proof mesh with Netlon fly mesh including cost and conveyance of all materials, and labour charges etc. complete for finished item of work including of all taxes. Double shutter 4'-0" x 4'-0" (1219.2 x 1219.2 mm) shutter section size 20 x 40 mm | 1 Sqm | Deleted |
| 942 | BMT-P.65 | Supply and fixing fly mesh window with sections made of pre painted steel (Base steel as per IS 513 of 'D' quality, Galvanized as per IS 277 with zinc of 120 GSM), primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12 to 16 microns thick and back coated with 5-7 microns thick alkyd baker with total coated thick ness of 0.58 mm for shutter frame and 0.8 for outer frame, the section for outer frame of 30 x 30 mm and fly mesh shutter section of 20 x 40mm outer frame sections with rebate for fly mesh shutters and sections cut to length metre jointed with corner bracket and fitted with aluminum 'T' section of double shutter & above, SS fly mesh shutter (304 grade) and EPD gasket including fixing the frames in the concrete/ masonry wall by means of left expending screws, latch, 2 nos of heavy duty GI pivot hinges provided per shutter (304 grade) including all taxes complete for finished item of work. | 1 Sqm | Deleted |
| 943 | BMT-P.66 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows two track sliding duly manufactured using UPVC reinforced profiles of (62 mm x 60 mm)/(60 mm x 45 mm) x 2.0 mm for outer frames, (66 mm x 38 mm)/(58 mm x 39 mm) x 2.0 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 6391 |
| 944 | BMT-P.67 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - only two glass shutters sliding duly manufactured using UPVC reinforced profiles of (80 mm x 52 mm)/(94 mm x 45 mm) x 2.0 mm for outer frames, (54 mm x 38 mm)/(39 mm x 58 mm) x 2.20 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 5995 |

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| 1 | 2 | 3 | 4 | 5 |
| 945 | BMT-P.68 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - two glass shutters sliding and one mesh shutter duly manufactured using UPVC reinforced profiles of (94 mm x 45 mm)/(80 mm x 52 mm) x 2.0 mm for outer frames, (58 mm x 39 mm)/(54 mm x 38 mm) x 2.0 mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be (42 mm x 25 mm)/(52 mm x 21.5 mm) x 2 mm fitted with nylon/ polymer mesh on rollers/ pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 6674 |
| 946 | BMT-P.69 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 48 mm x 60 mm x 2.0 mm for outer frames, 64 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters and 78 mm x 60 mm x 2.0 mm for outward openable shutter frame or 70 mm x 60 mm x 2.0 mm for inward openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 6471 |
| 947 | BMT-P.70 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters 70 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 7051 |
| 948 | BMT-P.71 | DELETED | 1 Sqm | Deleted |
| 949 | BMT-P.72 | DELETED | 1 Sqm | Deleted |

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| 950 | BMT-P.73 | Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 60x50mm, centre for mullion of 62x50mm, section for shutter of 52 x 22 mm, outer frame and mullions to have one side rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and window frames fixing to the concrete/masonry wall arrangement with self expanding screws, complete for finished item of work including of all taxes - 1220 x 1372 or below size | 1 Sqm | 5685 |
| 951 | BMT-P.74 | Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 60x50mm, centre for mullion of 62x50mm, section for shutter of 52 x 22 mm, outer frame and mullions to have one side rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and window frames fixing to the concrete/masonry wall arrangement with self expanding screws, complete for finished item of work including of all taxes - 1530 x 1372 or above size | 1 Sqm | 5093 |
| 952 | BMT-P.75 | Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 88x50mm, centre for mullion of 62x88 mm, section for glass and fly-proof mesh shutter of 52 x 22 mm, outer frame and mullions to have two sides rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 Nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and fly-proof mesh of SS 304 grade fixed with 18 mm x 12 mm BT wood beading and window frames fixing arrangement to the concrete/masonry wall with self expanding screws, complete for finished item of work including of all taxes - 1220 x 1372 or below size | 1 Sqm | 7142 |
| 953 | BMT-P.76 | Galvanized powder coated Casement Windows with openable shutters duly manufactured using pressed steel sections in mild steel conforming to IS 513 of having 1.0 mm thick and galvanized as per IS 277 of 120 GSM surface treatment with pure polyester powder coating of 30-40 microns thick and section for outer frame of 88x50mm, centre for mullion of 62x88 mm, section for glass and fly-proof mesh shutter of 52 x 22 mm, outer frame and mullions to have two sides rebate for glazed shutter of size 24 mm and 10x10 mm square guard bars provided at 125 mm c/c the sections assembled with bolt & nut assembly with zinc-electroplated M-5 bolts, GI Handle of size 80 mm x 15 mm -1 No per shutter, 2 Nos of stainless steel heavy duty pivot hinges of size 3" of SS 304 Grade per shutter, window panes with 5 mm thick plain float glass and fixed with glass beading section of 10x12 mm size with 0.8 mm thick powder coated aluminium 'U' channel and fly-proof mesh of SS 304 grade fixed with 18 mm x 12 mm BT wood beading and window frames fixing arrangement to the concrete/masonry wall with self expanding screws, complete for finished item of work including of all taxes - 1530 x 1372 or above size | 1 Sqm | 6566 |

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| 1 | 2 | 3 | 4 | 5 |
| 954 | BMT-P.77 | Providing & Fixing of Mesh windows made of pre-painted steel (Base Steel as per IS 513 of 0.58mm thick galvanized as per IS 277 with zinc of 120 GSM), primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer, section for outer frame of 47 x 36 mm, centre mullion of 60 x 36 mm, section mesh beading 18 x 6 mm and Fly mesh shutter section of 20 x 40 mm, the sections cut to length meter joined with corner bracket and centre mullions fixed with mullion cap, handles, latch, 2 Nos of heavy duty stainless steel pivot hinges per S.S. Mesh for fly mesh shutter (304 grade) including fixing the frames in the concrete/masonry wall by means of self expanding screws complete for finished item of work. | 1 Sqm | 4766 |
| 955 | BMT-P.78 | Providing & fixing white colour Rigid PVC window frame and shutter with single rebate using frame section of 50 x 35 mm, centre mullion 50 x 47 mm and the thickness of shutter 25 mm thick, the frame work made of M.S. Tube of 19 gauge of size 15 x 15 mm and solid PVC Section made of 4 mm thick (3.75 mm PVC foam sheet laminated with .25 mm rigid PVC sheet) and heat moulded PVC "C" section of size 50 x 25 x 25 mm forming rails & stiles and reinforced with M.S.Tube of 19 gauge of size 15 x 15 mm and suitably joined with solvent cement and fitted with 4 mm thick glass panel with Aluminium handles, tower bolts, hinges and stopper complete as per direction of Engineer in-charge and manufacturers specification. (All sizes with openable shutters) | 1 Sqm | Deleted |
| 956 | BMT-P.79 | Providing & fixing white colour Rigid PVC window frame and shutter with doouble rebate (glass & mesh) using frame section of 42 x 115 mm made out of M.S.Tube of 19 gauge 15 x 15 mm and solid PVC section made from 4 mm thick (3.75 mm foam sheet laminated with 0.25mm rigid PVC sheet Suitably joined using PVC solvent cement and the window shutter of 25 mm thick heat moulded with PVC 'C' section of size 50 x 25x 50mm forming rails & stiles and reinforced with with M.S.Tube of 19 gauge 15 x 15 mm and glass and wire mesh fitted externally in the clear space available between stiles and rails and fixed with PVC beading of size 23 mm x 16 mm complete as per direction of Engineer in charge and manufacturers specification (All sizes with openable shutters) | 1 Sqm | Deleted |
| 957 | BMT-P.80 | Providing and fixing COMPOSITE SLIDING WINDOW fabricated from roll formed sections made of Galvanized Steel colour Coated/Powder Coated (Base Steel as per IS 513 "D" quality, Galvanized as per IS 277 with Zinc of 120 grams /Sq.Mtr.) with total coated thickness of 0.58 mm, powder coated with pure Polyester Powder up to 50-60 microns thick and the section for external frame bottom of 68 x 25mm (Aluminium), External frame sides & Top of 68 x 25 mm (Aluminium), section for shutter of 59 x 23mm and Lap Strip of 30 x 7.5mm (uPVC) cut to length and mitre joined with L-bracket and 5 mm plain float Galss with Ethyl Propylene Diamine Monomer (EPDM) gasket, the corner bracket for external frame made of Aluminium 'L' Angle, Corner Bracket for internal frame made of Polypropylene, Crescent Latch, Rollers, & EPDM Gaskets for shutters, wool pile for lap strip, Bump Stop Base & Rubber for shutter stopper including fixing to brick/concrete masonry using Nylon self-expanding caps and driving MS electroplated 80mm long screws into the caps through frames and fixing 10mm square guard bars with 6" pitch centre to centre (152.4mm) and all taxes completed for finished item of work | 1 Sqm | 5952 |
| | | Providing and fixing of Two shutter Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM), using factory made section powder coated with Pure polyester powder upto 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for Two Tracks with Grill provision size of 90 mm x 50 mm and without grill provision is of 75 mm x 50 mm and the Window Shutter section of 58 mm x 36 mm and the outer Frame with two integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Alumimium 1 No. per each shutter and cut to length miter joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant | | |

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| | | applied at the Outer frame corners inclusive of conveyance of all materials accessories, labour charges, and erection at site with complete finished item of work. | | |
| 958 | BMT-P.81 | a) Window with Two Sliding Shutters and without Grill Outer Frame Size 75 mm x 50 mm. | 1 Sqm | 5302 |
| 959 | BMT-P.82 | b) Window with Two Sliding Shutters and with Grill Outer Frame Size 90 mm x 50 mm have a rebate of 15mm x 5 mm to fit grill made of 10mm MS Sq Rods for horizontal bars welded at a regular pitch of 150mm to 12mm x 6 mm MS flat. | 1 Sqm | 5880 |
| | | Providing and fixing of Three shutter Sliding Windows made of Galvanized Steel (Base Steel as per IS 513, D quality, galvanized as per IS 277 with Zinc of 120 GSM), using factory made section powder coated with Pure polyester powder upto 50-60 microns thick with total coated thickness of 0.8 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for three tracks with grill provision size of 105 mm x 50 mm and without grill provision is of 90 mm x 50 mm and the Window Shutter section of 58 mm x 36 mm and the outer Frame with two integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Aluminium 1 No. per each shutter and cut to length miter joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant applied at the Outer frame corners inclusive of conveyance of all materials accessories, labour charges, and erection at site with complete finished item of work. | | |
| | | Window with 3 shutters (center fixed shutter / Center sliding shutter / center Fly mesh shutter) and with Grill Window made of Outer Frame of Size 105 mm x 50 mm. Grill made of 10mm MS Square Rods for horizontal bars at a regular pitch of 150mm welded to MS flat of 12 x 6 mm. | | |
| 960 | BMT-P.83 | i) Center Shutter Fixed: center shutter frame made of section with size 20mm x 47mm should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame. | 1 Sqm | 6212 |
| 961 | BMT-P.84 | ii) Center Shutter Sliding: center shutter frame made of section of size 20mm x 47mm should be fitted with 5 mm thick plain float glass of reputed make. The supporting guide section of size 15mm x 19mm of 0.58mm thick fixed horizontally at top and bottom of shutter frame and slides along the bottom and top guide tracks made of sections size 24mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick | 1 Sqm | 6801 |
| 962 | BMT-P.85 | iii) Center Fly mesh Shutter Sliding: Section for Fly mesh Shutter frame should be of size 20mm x 40mm of 0.58mm thick and fitted with SS mesh (304 Grade). The supporting guide section of size 29mm x 20mm of 0.58mm thick at the bottom and 15mm x 19mm of 0.58mm thick at the top fixed horizontally to the Fly mesh frame and slides along the bottom and top guide tracks made of sections size 20mm x 20mm of 0.58mm and 29mm x 20mm of 0.58mm. | 1 Sqm | 6801 |
| | | Window with 3 shutters (Center fixed shutter / Center sliding shutter / center Fly mesh shutter) and without Grill Window made of Outer Frame of size 90mm x 50mm. | | |
| 963 | BMT-P.86 | i) Center Shutter Fixed: center shutter frame made of section with size 20mm x 47mm of 0.58mm thick should be fitted with 5mm thick plain float glass of reputed make, EPDM gasket all around the glass and fixed to the Outer Frame with the supporting section of size 29mm x 20mm of 0.58mm thick fixed horizontally on top and bottom of the shutter frame. | 1 Sqm | 5570 |
| 964 | BMT-P.87 | ii) Center Shutter Sliding: center shutter frame made of section with size 20mm x 47mm of 0.58mm thick should be fitted with 5 mm thick plain float glass of reputed make. The supporting guide section of size 15mm x 19mm of 0.58mm thick fixed horizontally at top and bottom of shutter frame and slides along the bottom and top guide tracks made of sections size 24mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick. | 1 Sqm | 6095 |

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| 965 | BMT-P.88 | iii) Center Fly mesh Shutter Sliding: Section for Fly mesh shutter frame should be of size 20mm x 40mm and fitted with SS mesh (304 Grade). The supporting guide section of size 29mm x 20mm of 0.58mm thick at the bottom and 15mm x 19mm of 0.58mm thick at the top fixed horizontally to the Fly mesh frame and slides along the bottom and top guide tracks made of sections size 20mm x 20mm of 0.58mm thick and 29mm x 20mm of 0.58mm thick. | 1 Sqm | 6095 |
| | | Providing and fixing of Openable / Casement Windows made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 80 x 45 mm, centre mullion of 80 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, outer frame and mullions to have rebate for glazed shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work. | | |
| 966 | BMT-P.89 | Single openable shutter window size of 2' 0" x 4' 0" (609.6 x 1219.2mm) outer frame section size of 80 x 45mm, shutter frame section size of 52 x 25mm thick | 1 sqm | 5088 |
| 967 | BMT-P.90 | Double openable shutter window Size of 3' 0" x 4' 0" (914.4mm x 1219.2mm) outer frame section size of 80 x 45mm,shutter frame section size of 52 x 25mm, vertical mullion section size of 80 x 60 mm | 1 sqm | 5409 |
| 968 | BMT-P.91 | Double openable shutter window size of 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size 80 x 45mm, shutter frame section size of 52 x 25 mm ,Vertical mullion section size of 80 x 60 mm | 1 sqm | 5409 |
| 969 | BMT-P.92 | Double Openable Shutter and Center Fixed window of size 5'0 x 4'0' (1524 x 1219.2mm)outer frame section size of 80mm x 45mm, shutter frame section size of 52 x 25mm ,Vertical mullion section size of 80 x 60 mm, beading section size of 9 x 12mm to be provided for glass holding | 1 sqm | 4766 |
| 970 | BMT-P.93 | Double Openable Shutter and Center Fixed window of size 6'0 x4'0 (1829.6 x 1219.2mm)outer frame section size of 80mm x 45mm , shutter frame section size of 52 x 25mm ,Vertical mullion section size of 80 x 60 mm, beading section size of 9 x 12mm to be provided for glass holding | 1 sqm | 4766 |
| | | Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish | | |
| | | Providing and fixing of Openable / Casement Windows with fly mesh made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 100 x 45 mm, centre mullion of 100 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, section for fly-shutter of 52 x 25 mm x 0.6 mm thick and fitted with stainless steel 32 gauge fly mesh of 304 grade with 144 holes per sq.inch and mullions to have double rebate for glazed shutter and fly-shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work. | | |
| 971 | BMT-P.94 | Single openable shutter window size of 2' 0" x 4' 0" (609.6 x 1219.2mm) outer frame Double rebate section size of 100 x 45mm, Glazed and flymesh shutter profile section size of 52 x 25mm | 1 sqm | 6748 |
| 972 | BMT-P.95 | Double openable shutter window Size of 3' 0" x 4' 0" (914.4mm x 1219.2mm) outer frame Double rebate section size of 100 x 45mm, Glazed and flymesh shutter profile section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm | 1 sqm | 7069 |
| 973 | BMT-P.96 | Double openable shutter window size of 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame Double rebate section size of 100 x 45mm, Glazed and flymesh | 1 sqm | 7069 |

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| | | shutter profile section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm | | |
| 974 | BMT-P.97 | Double Openable Shutter and Center Fixed window of size 5'0 x 4'0 (1524 x 1219.2mm)outer frame section size of 80mm x 45mm , shutter frame section size of 52 x 25mm ,Vertical mullion section size of 100 x 60 mm , beading section size of 9 x 12mm to be provided for glass holding | 1 sqm | 6427 |
| 975 | BMT-P.98 | Double Openable Shutter and Center Fixed window of size 6'0 x4'0 (1829.6 x 1219.2mm)outer frame section size of 80mm x 45mm , shutter frame section size of 52 x 25mm ,Vertical mullion section size of 100 x 60 mm , beading section size of 9 x 12mm to be provided for glass holding | 1 sqm | 6427 |
| | | Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish | | |
| | | Providing and fixing of top hung Ventilators made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 80 x 45 mm, centre mullion of 80 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, outer frame and mullions to have rebate for glazed shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work. | | |
| 976 | BMT-P.99 | Single openable ventilator shutter size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame section size of 80 x 45mm, shutter frame section size of 52 x 25mm thick | 1 sqm | 6105 |
| 977 | BMT-P.100 | Double openable ventilator shutter Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame section size of 80 x 45mm,shutter frame section size of 52 x 25mm, vertical mullion section size of 80 x 60 mm | 1 sqm | 6105 |
| 978 | BMT-P.101 | Double openable fix shutter size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame section size of 80 x 45mm , shutter frame section size of 52 x 25 mm ,Vertical mullion section size of 80 x 60 mm | 1 sqm | 6105 |
| 979 | BMT-P.102 | Single fixed Louvers Ventilator size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame box section size of 80 x 45mm | 1 sqm | 4177 |
| 980 | BMT-P.103 | Double fixed Louvers ventilator Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame box section size of 80 x 45mm, vertical mullion section size of 80 x 60 mm | 1 sqm | 4177 |
| 981 | BMT-P.104 | Double fixed Louvers Ventilator size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame box section size of 80 x 45mm , Vertical mullion section size of 80 x 60 mm | 1 sqm | 4177 |
| | | Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish | | |
| | | Providing and fixing of top hung Ventilator with fly mesh made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 100 x 45 mm, centre mullion of 100 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, section for fly-shutter of 52 x 25 mm x 0.6 mm thick and fitted with stainless steel 32 gauge fly mesh of 304 grade with 144 holes per sq.inch and mullions to have double rebate for glazed shutter and fly-shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work. | | |
| 982 | BMT-P.105 | Single openable ventilator shutter window size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame section size of 100 x 45mm, Glazed and flymesh shutter frame section size of 52 x 25mm thick | 1 sqm | 7551 |

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|--------|-----------|--|-------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 983 | BMT-P.106 | Double openable ventilator shutter window Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame section size of 100 x 45mm, Glazed and flymesh shutter frame section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm | 1 sqm | 7551 |
| 984 | BMT-P.107 | Double openable fix shutter window size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame section size 100 x 45mm , Glazed and flymesh shutter frame section size 52 x 25 mm ,Vertical mullion section size of 100 x 60 mm | 1 sqm | 7551 |
| 985 | BMT-P.108 | Single fixed Louvers Ventilator window size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame box section size of 100 x 45mm, flymesh shutter frame section size 52 x 25 mm | 1 sqm | 5088 |
| 986 | BMT-P.109 | Double fixed Louvers ventilator window Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame box section size of 100 x 45mm, flymesh shutter frame section size 52 x 25 mm, vertical mullion section size of 100 x 60 mm | 1 sqm | 5088 |
| 987 | BMT-P.110 | Double fixed Louvers Ventilator window size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame box section size 100 x 45mm , flymesh shutter frame section size 52 x 25 mm Vertical mullion section size of 100 x 60 mm | 1 sqm | 5088 |
| | | Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish | | |
| 988 | BMT-P.111 | Providing, supplying & fixing of Fixed Louvered Ventilator made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 x 55 mm with reinforcement of 1 mm thickness and Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware. Wall thickness of frame & Mullion shall be 2.0 mm | 1 sqm | 6005 |
| 989 | BMT-P.112 | Providing, supplying & fixing of Top hung Ventilator With Exhaust Fan Provision made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having a overall size of 60 x 55 mm with reinforcement of 1 mm thickness, Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness and Sash with overall size of 75 x 60 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 34 x 20 mm coextruded with gasket. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware, single point locking and friction stays. Wall thickness of frame, mullion and sash shall be 2.0 mm | 1 sqm | 8450 |
| | Q. | STRUCTURAL GLAZING | | |
| 990 | BMT-Q.01 | Providing and fixing Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72 mm and the glass holding section made of 304 grade stainless steel of 0.58 mm thick galvanised steel section as stiffeners inside the colour coated steel powder coated sections as per the design requirement & calculations to suit wind pressures as given in IS: 875, the primer coat with epoxy primer of 5 – 7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick and the vertical section of 50 mm x 99 mm x 0.72 mm, 33 mm x 56 mm x 0.72 mm for frame horizontal section, stiffener section of 47 mm x 97 mm x 1 mm, cover profiles sections of 20 mm x 58 mm x 0.58 mm, glass holding section of 37 mm x 37 mm & 37 mm x 18 mm including fixing 5mm thick Ocean Blue reflective glass, brackets made of CRCA powder coated/Electroplated to connect vertical to horizontal, vertical to slab, to fix verticals at top & bottom as per site requirement and gasket made of Ethyl Propylene Diamine Monomer, U.V. resistant silicon sealant including fixing in concrete/masonry wall with self-expanding cap & screws inclusive of cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and fixing charges complete for finished item of work. | 1 Sqm | 7288 |

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|--------|-----------|---|-------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 991 | BMT-Q.02 | Providing and fixing Top Hung shutters in Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72 mm and the glass holding section made of 304 grade stainless steel of 0.58 mm thick, duly providing stiffeners inside the colour coated steel/powder coated sections as per the design requirement, calculations to suit wind pressures as given in IS 875 and primer coat with epoxy primer of 5-7 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick and the outer frame of 20 mm x 58 mm x 0.58 mm, shutter sections of 57 mm x 33 mm x 0.72 mm, stiffener sections of 55 mm x 31 mm x 1mm, hinges – 2 Nos for each shutter and aluminium Stays – 2 Nos. for each shutter, aluminium Handle – 1 no. for each shutter including cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and fixing charges etc for finished item of work | 1 Sqm | 5891 |
| 992 | BMT-Q.03 | Supplying and fixing of curtain Glazing made of pre painted steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM) Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12- 16 microns thick and back coated with 5-7 microns thick alkyd backer using the section for outer frame of 46 x 52 mm, section for mullion of 46 x 70 mm and section for beading of 18 x 25 mm and the glazing with 5 mm thick plain float glass fitted with Ethyl Propylene diamine Monomer (EPDM) gaskets and the sections cut to length, mitre joined with corner bracket, centre mullions fixed suing mullion cap inclusing handle made of high grade Aluminium powder coated and nylon receiver, corner brackets made of CRCA with zinc phosphating, mullion caps made of Glass filled nylon including fixing the frames in the concrete / masonry wall with self expanding screws, etc., complete for finished item.- Fixed Glazing 2'-0" x 2'-0" (609.6x609.6mm) grid outer frames section size of 46 x 52 mm | | 6013 |
| 993 | BMT-Q.04 | Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm - Fixed Glazing 2'-0" x 3'-0" (609.6x914.4mm) grid outer frame section size of 46 x 52 mm | 1 Sqm | 6013 |
| 994 | BMT-Q.05 | Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm Fixed Glazing 3'-0" x 3'-0" (914.4x914.4mm) grid outer frame section size of 46 x 52 mm | 1 Sqm | 4724 |
| 995 | BMT-Q.06 | Mullion section size of 46 x 70mm Beading section size of 18 x 25 mm Fixed Glazing 3'-0" x 4'-0" (914.4x1219.2mm) grid outer frame section size of 46 x 52 mm | 1 Sqm | 4724 |
| 996 | BMT-Q.07 | deleted | | Deleted |
| 997 | BMT-Q.08 | deleted | | Deleted |
| 998 | BMT-Q.09 | deleted | | Deleted |
| 999 | BMT-Q.10 | deleted | | Deleted |
| 1000 | BMT-Q.11 | deleted | | Deleted |
| 1001 | BMT-Q.12 | deleted | | Deleted |
| 1002 | BMT-Q.13 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Curtain Walling systems duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.5 mm for outer frames, 60 mm x 70 mm x 2.5 mm for casement shutter frames and the mullion sections are of 60 mm x 70 mm x 2.5 mm or 60 mm x 62 mm x 2.5 mm for sliding shutter outer frames and 77 mm x 38 mm x 2.5 mm for sliding shutter frames structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation for sliding window - clipping locking system 1 No. made of aluminium including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | | 6903 |
| 1003 | BMT-Q.14 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Fixed Glazing - 48 series duly manufactured using UPVC reinforced profiles of 60 | 1 Sqm | 3240 |

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| 1 | 2 | 3 | 4 | 5 |
| | | mm x 48 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 76 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | | |
| 1004 | BMT-Q.15 | Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Fixed Glazing - 56 series duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 70 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work | 1 Sqm | 3872 |
| | S. | A. DISMANTLING clearing away and carefully stacking materials useful for reuse. | | |
| 1005 | BMT-S.01 | Stone masonry in cement mortar | 1 Cum | 361 |
| 1006 | BMT-S.02 | Terracing work in roofs or floors | 10 Sqm | 150 |
| 1007 | BMT-S.03 | Flat stones in roof or floors including lifting | 10 Sqm | 130 |
| 1008 | BMT-S.04 | Pan tiled or Mangalore tiled roof without roof timbers. | 10 Sqm | 110 |
| 1009 | BMT-S.05 | Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers | 10 Sqm | 130 |
| 1010 | BMT-S.06 | Wrought and framed timber in roofs or floors | 1 Cum | 188 |
| 1011 | BMT-S.07 | Old lime mortar plaster | 10 Sqm | 40 |
| 1012 | BMT-S.08 | Old cement mortar plaster | 10 Sqm | 50 |
| 1013 | BMT-S.09 | Dry rough stone revetment for aprons and stacking within 40 M lead | 1 Cum | 60 |
| 1014 | BMT-S.10 | Revetment for aprons and stacking grouted within 40 lead | 1 Cum | 44 |
| 1015 | BMT-S.11 | Kadapa slabs or Shahabad stone slabs flooring on sand bed | 10 Sqm | 60 |
| 1016 | BMT-S.12 | Through scraping of old plastered surface | 10 Sqm | 40 |
| 1017 | BMT-S.13 | Washing of plastered surface with soap, soda and water (or with soda lime and water) | 10 Sqm | 12 |
| 1018 | BMT-S.14 | clean removal of lime plaster from walls and raking out joints 20mm deep or from terraced roof and raking out joints 100 mm deep | 10 Sqm | 40 |
| 1019 | BMT-S.15 | Clean removal of cement plaster from walls and raking out joint 200 mm deep | 10 Sqm | 50 |
| | T. | READY MIX CONCRETE | | |
| 1020 | BMT-T.01 | Deleted | | |
| 1021 | BMT-T.02 | Deleted | | |
| 1022 | BMT-T.03 | Deleted | | |
| 1023 | BMT-T.04 | Deleted | | |
| 1024 | BMT-T.05 | Deleted | | |
| | U. | EXPANSION JOINT FILLERS | | |
| 1025 | BMT-U.01 | Supply of high performance expansion joint filler board conforming to M.O.S.T - 18 mm THICK | 1 Sqm | 804 |
| 1026 | BMT-U.02 | Supply of high performance expansion joint filler board conforming to M.O.S.T - 20 mm THICK | 1 Sqm | 902 |
| 1027 | BMT-U.03 | Supply of high performance expansion joint filler board conforming to M.O.S.T - 25 mm THICK | 1 Sqm | 1127 |
| 1028 | BMT-U.04 | Supply of expansion joint filler board for buildings, columns, beams and slabs 20 mm THICK | 1 Sqm | 322 |
| 1029 | BMT-U.05 | Supply of expansion joint filler board for buildings, columns, beams and slabs 25 mm THICK | 1 Sqm | 403 |
| 1030 | BMT-U.06 | Supply of expansion joint filler board for buildings, columns, beams and slabs 50 mm THICK | 1 Sqm | 804 |
| 1031 | BMT-U.07 | Supply of back up to cold applied sealant in construction and longitudinal joint - 10 mm OD | 1 RM | 13 |
| 1032 | BMT-U.08 | Supply of back up to cold applied sealant in construction and longitudinal joint - 12 mm OD | 1 RM | 15 |
| 1033 | BMT-U.09 | Supply of back up to cold applied sealant in construction and longitudinal joint - 15 mm OD | 1 RM | 18 |
| 1034 | BMT-U.10 | Supply of back up to cold applied sealant in construction and longitudinal | 1 RM | 26 |

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| 1 | 2 | 3 | 4 | 5 |
| | | joint - 20 mm OD | | |
| 1035 | BMT-U.11 | Supply of back up to cold applied sealant in construction and longitudinal joint - 25 mm OD | 1 RM | 32 |
| | | V. LABOUR CHARGES | | |
| 1036 | BMM-V.01 | Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) - Other than sandy soil - 0.0 M to 1.0 M | 1 cum | 220 |
| 1037 | BMM-V.02 | Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) - Other than sandy soil - 1.0 M to 2.0 M | 1 cum | 260 |
| 1038 | BMM-V.03 | Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) - Other than sandy soil - 2.0 M to 3.0 M | 1 cum | 303 |
| 1039 | BMM-V.04 | Bailing out water for earth work excavation / for concrete foundation below water level. (For building items only) Sandy soil - 0.0 M to 1.0 M | 1 cum | 349 |
| 1040 | BMM-V.05 | Bailing out water for earth work excavation /for concrete foundation below water level. (For building items only) Sandy soil - 1.0 M to 2.0 M | 1 cum | 542 |
| 1041 | BMM-V.06 | Bailing out water for earth work excavation /concrete for foundation below water level. (For building items only) Sandy soil - 2.0 M to 3.0 M | 1 cum | 655 |
| 1042 | BMM-V.07 | Labour charges for making, fabricating office furniture, racks, work-station furniture, cup-board shutters with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings | 1 Sqm | 550 |
| 1043 | BMM-V.08 | Labour charges for making, fabricating kitchen furniture, cup-boards with shutters, box cup-boards, box racks, with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings | 1 Sqm | 840 |
| 1044 | BMM-V.09 | Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same | 1 Rm | 95 |
| 1045 | BMM-V.10 | Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same. | 1 Rm | 289 |
| 1046 | BMM-V.11 | Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same. | 1 Rm | 374 |
| 1047 | BMM-V.12 | Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device. | 1 RM | 15 |
| 1048 | BMM-V.13 | Flat nosing to Kadapa/ Shahabad stone slabs of any thick | 1 Rm | 45 |
| 1049 | BMM-V.14 | Labour charges for fabricating steel works like Window Grills, Compound Wall Grills, Iron Doors, Windows including cost of welding rods, power charges, excluding cost of fixing in position | 1 Kg | 24 |
| 1050 | BMM-V.15 | Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position | 1 Kg | 4 |
| 1051 | BMM-V.16 | Labour charges for fabricating all heavy steel works like Trusses, Stanchions, Heavy Beams and Girders including cost of welding rods, power charges, etc excluding cost of fixing in position | 1 Kg | 21 |
| 1052 | BMM-V.17 | Labour charges for fixing heavy iron grills, Trusses, Stanchions, Heavy Beams and Girders erecting in position and fixing by using chain pulley blocks, Derek pole arrangements and cranes etc., complete in position | 1 Kg | 19 |
| 1053 | BMM-V.18 | Labour charges for Fabrication of stainless steel railing works using stainless steel welding rods including buffing, polishing, lacquer finishing, to present seamless finish | 1 Kg | 119 |
| 1054 | BMM-V.19 | Labour charges for Fabrication of stainless steel sheet cladding works using stainless steel welding rods including buffing, polishing, lacquer finishing, to present seamless finish | 1 sqm | 1596 |
| 1055 | BMM-V.20 | Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works | 1 Sqm | 868 |
| 1056 | BMM-V.21 | Labour charges for Glass designing works on any thickness of Glass including fixing at site - Reverse Etching work | 1 Sqm | 1074 |
| 1057 | BMM-V.22 | Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works | 1 Sqm | 1342 |
| 1058 | BMM-V.23 | Labour charges for fixing Flush door shutters of any thickness to the existing door frame including fixing the fixtures to the door shutter excluding cost of shutter | 1 Sqm | 348 |

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| 1 | 2 | 3 | 4 | 5 |
| 1059 | BMM-V.24 | Labour charges for fixing glass panes of any thickness to the existing door / window panes including fixing the beading excluding cost of beading | 1 Sqm | 260 |
| 1060 | BMM-V.25 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Fully panelled doors external or internal including frame | 1 sqm | 1427 |
| 1061 | BMM-V.26 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Glazed and panelled doors including fixing glass including frame | 1 sqm | 1349 |
| 1062 | BMM-V.27 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Framed and planked doors including frame | 1 sqm | 1183 |
| 1063 | BMM-V.28 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Ledged, braced and planked doors including frame | 1 sqm | 925 |
| 1064 | BMM-V.29 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Flush type door shutter including frame | 1 sqm | 713 |
| 1065 | BMM-V.30 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows glazed including outer frame and shutter frame | 1 sqm | 913 |
| 1066 | BMM-V.31 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows panelled including outer frame and shutter frame | 1 sqm | 1377 |
| 1067 | BMM-V.32 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows ledged, braced and planked including outer frame | 1 sqm | 940 |
| 1068 | BMM-V.33 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows framed and planked including outer frame and shutter frame | 1 sqm | 1124 |
| 1069 | BMM-V.34 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Ventilators glazed, fixed with double frame with wire netting including frame | 1 sqm | 757 |
| 1070 | BMM-V.35 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Swing ventilators glazed including outer frame and shutter frame | 1 sqm | 957 |
| 1071 | BMM-V.36 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Weld mesh doors and windows including outer frame and shutter frame | 1 sqm | 538 |
| 1072 | BMM-V.37 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood G.I or .AC sheet door & windows including outer frame and shutter frame | 1 sqm | 626 |
| 1073 | BMM-V.38 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Fully panelled doors external or internal including frame | 1 sqm | 1320 |
| 1074 | BMM-V.39 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Glazed and panelled doors including fixing glass including frame | 1 sqm | 1261 |

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| 1 | 2 | 3 | 4 | 5 |
| 1075 | BMM-V.40 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Framed and planked doors including frame | 1 sqm | 1094 |
| 1076 | BMM-V.41 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Ledged, braced and planked doors including frame | 1 sqm | 856 |
| 1077 | BMM-V.42 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Flush type door shutter including frame | 1 sqm | 685 |
| 1078 | BMM-V.43 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows glazed including outer frame and shutter frame | 1 sqm | 854 |
| 1079 | BMM-V.44 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows panelled including outer frame and shutter frame | 1 sqm | 1273 |
| 1080 | BMM-V.45 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows ledged, braced and planked including outer frame | 1 sqm | 870 |
| 1081 | BMM-V.46 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Windows framed and planked including outer frame and shutter frame | 1 sqm | 1039 |
| 1082 | BMM-V.47 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Ventilators glazed, fixed with double frame with wire netting including frame | 1 sqm | 736 |
| 1083 | BMM-V.48 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Swing ventilators glazed including outer frame and shutter frame | 1 sqm | 920 |
| 1084 | BMM-V.49 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood Weld mesh doors and windows including outer frame and shutter frame | 1 sqm | 511 |
| 1085 | BMM-V.50 | Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Other than teakwood G.I or .AC sheet door & windows including outer frame and shutter frame | 1 sqm | 598 |
| 1086 | BMM-V.51 | Grooves 2-3 mm | 1 Rm | 50 |
| | W. | MISCELLANEOUS ITEMS | | |
| 1087 | BMS-W.01 | Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including anodization cost) | 1 Kg | 321 |
| 1088 | BMS-W.02 | Sun Control film to the glazed windows partition including labour charges. | 1 sqm | 329 |
| 1089 | BMS-W.03 | Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories. | 1 sqm | 838 |
| 1090 | BMS-W.04 | Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories. | 1 sqm | 798 |
| 1091 | BMS-W.05 | Venetian blinds Vertical blinds 100 mm wide with all accessories. | 1 sqm | 1355 |
| 1092 | BMS-W.06 | Rubber Beading | 1 RM | 2 |
| 1093 | BMS-W.07 | S&F of marblex flooring with 2.0 mm thick in rolls. | 1 sqm | Deleted |
| 1094 | BMS-W.08 | S&F Vinyl Flooring with 1.5 mm thick in rolls | 1 sqm | Deleted |
| 1095 | BMS-W.09 | Chlorpyriphos/ Lindane emulsifiable concentrate of 20% | 1 Litre | 228 |
| 1096 | BMS-W.10 | Soft Brush | Each | 148 |
| 1097 | BMS-W.11 | Wire Brush | Each | 33 |

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|---------------|------------------|--|-------------|-----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1098 | BMS-W.12 | Supplying and fixing aluminium composite cladding with skin material 0.25 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 3 mm thk | 1 Sqm | 2586 |
| 1099 | BMS-W.13 | Supplying and fixing aluminium composite cladding with skin material 0.25 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 4 mm thk | 1 Sqm | 2820 |
| 1100 | BMS-W.14 | Supplying and fixing aluminium composite cladding with skin material 0.5 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 4 mm thk | 1 Sqm | 3163 |
| 1101 | BMS-W.15 | CEMENT JALI - 25 mm thick | 1 sqm | 226 |
| 1102 | BMS-W.16 | CEMENT JALI - 40 mm thick | 1 sqm | 293 |
| 1103 | BMS-W.17 | CEMENT JALI - 50 mm thick | 1 sqm | 402 |
| 1104 | BMS-W.18 | Aluminium sheet 24 Gauge | 1 Sqm | 302 |
| 1105 | BMS-W.19 | 7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm. | 1 Sqm | 1112 |
| 1106 | BMS-W.20 | Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1" (25.4 mm) thick | 1 Sqm | 991 |
| 1107 | BMS-W.21 | Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1/2" (12.7 mm) thick | 1 Sqm | 568 |
| | | Supply of hot pressed compression moulded sign plates for making road signs ass per the approved dimensions of National Highway Authority Of India, complete, for finished item of work. | | |
| 1108 | BMS-W.22 | Circular sign plate Dia 400mm. | Each. | 577 |
| 1109 | BMS-W.23 | Circular sign plate Dia 600mm. | Each. | 1517 |
| 1110 | BMS-W.24 | Circular sing plate Dia 870mm | Each. | 3040 |
| 1111 | BMS-W.25 | Triangular sign plate 600mm. | Each. | 779 |
| 1112 | BMS-W.26 | Triangular sign plate 900mm. | Each. | 1759 |
| 1113 | BMS-W.27 | Square sign plate 600mm. | Each. | 1410 |
| 1114 | BMS-W.28 | Square sign plate 1000mm. | Each. | 5236 |
| 1115 | BMS-W.29 | Supply of Polyethylene water storage tank double layer conforming to IS:12701-1996 with lid. | Litre. | 8 |
| | | Design, fabrication & supply of light weight pre engineered buildings for a maximum span of 9 metres with 50 x 50 x 2.8 mm M.S hollow square tubes for columns, trusses & purlins walls with sandwich panels made up of 2 Nos 10mm thick cement bonded particle/ fibre boards with 25mm thick 12 kg/cum density expanded polystyrene in between encased in 1.25 mm thick 24x7x26 mm 'W' tracks in bottom & top and 'H' section for sides with doors, windows & ventilators, roofing with 26 gauge pre painted profiled sheets fixed with self tapping/ drilling screws, painting with enamel paint for steel items, OBD for interiors and ace for exteriors & providing base plates, templates & anchor bolts along with civil foundation designs & drawings for the finished item of work | | |
| 1116 | BMS-W.30 | Steel Structure: - Structure is made up of 50x50X 2.8 m/33x66x2.8mm thick hollow M.S. sections for Trusses, columns, and purloins. - Columns | 1 RM | 395 |
| 1117 | BMS-W.31 | Steel Structure: - Structure is made up of 50x50X 2.8 m/33x66x2.8mm thick hollow M.S. sections for Trusses, columns, and purloins. Trusses | 1 RM | Deleted |
| 1118 | BMS-W.32 | 10 mm thick 200x200 mm M.s. plates for base plates, 250 mm long 12mm Ø anchor bolts with plate washer and nuts complete with one coat of Asian or equivalent red oxide paint. | Each | Deleted |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|---|-------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1119 | BMS-W.33 | Sandwich panels: Sandwich panels of 50 mm thick with 25 mm thermocol of 12 kg / cum, fixed in between 2 Nos 10 mm cement bonded wood particle / fibre boards properly fixed together with 30 mmx30mmx30mm wood pieces along width & length wherever necessary | 1 Sqm | 1430 |
| 1120 | BMS-W.34 | U' Tracks & 'H' Section:- Bottom & Top 'U' Tracks are made of 1.25 mm thick 120 GSM G.I. Sheet of size 24x51x26 mm size. | 1 RM | 154 |
| 1121 | BMS-W.35 | Fabricated 'H' sections are made up of 2 Nos 1.25 mm thick C.R. Of 40 mm width for flanges and 1 Nos of 2 mm thick C.R. of 50 mm width plate for web. will be used | 1 RM | 222 |
| 1122 | BMS-W.36 | Sandwich Panel joinery is made up of couplers or equivalent made from 0.6 mm G.I. roll formed section to hold 2 Nos of 10 mm board on both sides with 25 mm thermocol in between. | 1RM | 253 |
| 1123 | BMS-W.37 | Window:- windows are made up of 51 x51 mm step 'U' section made from 1.25 thick MS Cold rolled Steel Sheet and Windows Shutters & Grill are made of 48x25mm mm size pre painted section with 4 mm glass complete with necessary hardware. Grills are made from 8 mm square rod at 100 mm spacing. | 1 Sqm | 4591 |
| 1124 | BMS-W.38 | Door Frames :-51 X 51 Stepped ' U' section made from 1.25 mm thick C.R. section with a 32 mm rebate for 30 mm flush door and Door Shutters with 30 mm thick block board / flush doors with boiling water proof plywood complete with necessary Hard ware. | 1 Sqm | 4394 |
| 1125 | BMS-W.39 | Ventilators:- Ventilators are made of 51x51 mm step 'U' section made From 1.25 mm thick C.R. sheet with fixed louvers and glass. | 1 Sqm | 4917 |
| 1126 | BMS-W.40 | Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint. | 1 Sqm | 124 |
| 1127 | BMS-W.41 | 2) Exterior walls are painted with one coat of primer and 2 coats of exterior emulsion paint . | 1 Sqm | 111 |
| 1128 | BMS-W.42 | 3) Interiors are painted with 1+2 coat of O.B.D. | 1 Sqm | 97 |
| 1129 | BMS-W.43 | Toilets: - Toilets are provided as per plan with a provision for fixing the wash basin, W.C. etc only is made with M.S. steel section secured to the walls with toilet bracket provision excluding cost of WC/ Wash basin etc | Each | 1050 |
| 1130 | BMS-W.44 | Sun shades: - Sun shades will be provided wherever necessary with 300 mm more than the width of window. 25x25 mm angle frame to cover 450 mm in the front and the sides. 10mm cement bonded particle board will be fixed on the frame work and sealed with green paste or equivalent. | Each | 3541 |
| 1131 | BMS-W.45 | Roofing: - Roofing will be provided with 0.5mm thick galvanized / pre painted G.I. profiled sheets fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stitched with self tapping / drilling screws. End laps are to be sealed with 25x3 mm Butyl tape. The sheets are provided with anti capillary groove. | 1 Sqm | 799 |
| | | Supply and fixing of factory made Bathroom door frames without threshold, fabricated from pre-painted cold roll formed section 50mm x 50 mm made of galvanized (base steel as per IS – 513 'D' quality, galvanized as per IS-277 with Zinc of 120 Gms/sqm) steel colour coated sections with total coated thickness of 1 mm, primer coated with epoxy primer of 5-7 microns thick, finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns and the frame section filled with polyurethane (P.U. Foam) of 40 Kg/Cum; and the sections cut to length and mitre joined by means of 1.25mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25mm thick electroplated stiffeners of size 150mm for fixing hold fasts and hinges together with the following MS Power coated fitting (Supply and fixing) of approved make. | | |
| | | a) 6 Nos M.S. Z. Type hold fasts made of 30mm x 3 mm MS flat of 230mm long, 3 Nos each side expandable PVC covered screw type fasteners | | |
| | | b) 2.5 mm x 300 mm long 'T' hinges / 2.5mm x 50 mm x 100mm two way butt hinges (3 Nos for single leaf or 2 Nos for Double leaf /leaf) | | |
| 1132 | BMS-W.46 | c) 12 mm Dia MS tie rod at bottom with necessary size of nuts on either side. | 1 RM | 428 |
| 1133 | BMS-W.47 | Preparing gabions with jungle wood | Each | 3 |
| 1134 | BMS-W.48 | Planting plants | Each | 2 |
| 1135 | BMS-W.49 | Pruning plants | Each | 2 |
| 1136 | BMS-W.50 | Maintaining avenues including fencing, weeding, mulching, watering etc per plant. | Each | 6 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|--------|-----------|--|--------|----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1137 | BMS-W.51 | - do - When scattered in hot weather with extra conveyance from March to June | Each | 7 |
| 1138 | BMS-W.52 | Hoisting or lowering of slab | 1 cum | 105 |
| 1139 | BMS-W.53 | Dressing faces of granite stone (double line dressing) | 1 Sqm | 174 |
| 1140 | BMS-W.54 | Dressing faces of other than granite stone(double line dressing) | 1 Sqm | 108 |
| 1141 | BMS-W.55 | Supply of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours | 1 Sqm | 456 |
| 1142 | BMS-W.56 | Supply of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.47mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours | 1 Sqm | 445 |
| 1143 | BMS-W.57 | Supply of Pre-painted Galvanized Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Zinc coating Z120 GSM. Tensile Strength: 300 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours | 1 Sqm | 400 |
| 1144 | BMS-W.58 | Supply of Pre-painted Galvanized Trapezoidal Profile Roofing sheets with 0.47mm thickness, Coating: Zinc coating Z120 GSM. Tensile Strength: 300 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours | 1 Sqm | 376 |
| 1145 | BMS-W.59 | Supply of Roof Accessories medium size: Ridge, Barge Cap, Corner Trim, L- Flashing, Down Pipes, Gutter etc., with 0.50mm thick, Width: 0.585, Length: Maximum 2½ Meters | 1 RM | 307 |
| 1146 | BMS-W.60 | Supply of Roof Accessories medium size: Ridge, Barge Cap, Corner Trim, L- Flashing, Down Pipes, Gutter etc., with 0.47mm thick, Width: 0.585, Length: Maximum 2½ Meters | 1 RM | 274 |
| 1147 | BMS-W.61 | 75 mm long screws - | 1 Each | 4 |
| 1148 | BMS-W.62 | G.I scam bolts & nuts | 1 Each | 5 |
| 1149 | BMS-W.63 | G.I bolts & nuts | 1 Each | 5 |
| 1150 | BMS-W.64 | G.I 'J' bolts 8 mm dia | 1 Each | 10 |
| 1151 | BMS-W.65 | G.I Washers | 1 Each | 1 |
| 1152 | BMS-W.66 | Limpet washers (for scam & 'J' bolts) | 1 Each | 1 |
| 1153 | BMS-W.67 | Bitumen washers | 1 Each | 1 |
| 1154 | BMS-W.68 | White Cement | 1 Kg | 29 |
| 1155 | BMS-W.69 | MS Z Hold fasts - 300 mm long of 40 x 40 x 5 mm ISA | 1 Each | 35 |
| 1156 | BMS-W.70 | Rubber/ Nylon door stop bushes | 1 Each | 10 |
| 1157 | BMS-W.71 | Nylon rollers for sliding glasses/ alluminium windows | 1 Each | 15 |
| 1158 | BMS-W.72 | Powder coating or colour annodization- any section | 1 RM | 50 |
| 1159 | BMS-W.73 | Continuous Piano Hinges Powder coated Mild steel as per IS-3818 : 1992 of nominal size 25 mm (B) of thickness 0.8 to 1.0 mm | 1 RM | 35 |
| 1160 | BMS-W.74 | Box hinges for cup boards | 1 Each | 45 |
| 1161 | BMS-W.75 | Magnetic Catchers | 1 Each | 15 |
| 1162 | BMS-W.76 | Drilling holes in hard rock surfaces up to 18mm dia | 1 RM | 210 |
| 1163 | BMS-W.77 | Drilling holes in hard rock above 18mm dia | 1 RM | 293 |
| 1164 | BMS-W.78 | Making holes up to 18mm dia in RCC/ any stones up to 50 mm thick | 1 Each | 35 |
| 1165 | BMS-W.79 | Making holes above 18mm dia in RCC/ any stones above 50 mm thick | 1 Each | 49 |
| 1166 | BMS-W.80 | Pressure grouting the drilled holes with neat cement slurry or with approved epoxy bonding agent using pump | 1 Each | 50 |
| | X. | MACHINERY CHARGES, HIRE CHARGES FOR CENTRING | | |
| 1167 | BMC-X.01 | Machine charges of rubbing/ polishing floor | 1 day | 2145 |
| 1168 | BMC-X.02 | Power Saw Cutter - Hand Operated - Hire charges | 1 Hr | 125 |
| 1169 | BMC-X.03 | Power Drill - Hand Operated - Hire Charges | 1 Hr | 116 |
| 1170 | BMC-X.04 | Grinding Mortar (Spl Grinding) | 1 day | 1072 |
| 1171 | BMC-X.05 | Casuarina Balli Props - 3" to 4" dia - 12'-0" Height | Each | 73 |
| 1172 | BMC-X.06 | Casuarina Balli Props - 4" to 8" dia - 20'-0" Height | Each | 121 |
| 1173 | BMC-X.07 | Wall Plate Brackets / beam bottom supports | Each | 212 |

| Sl. No | Item Code | Description of item | Unit | Rate for SoR 2015-16 |
|---------------|------------------|--|-------------|-----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1174 | BMC-X.08 | Wedge Plate fixture | Each | 10 |
| 1175 | BMC-X.09 | Runner beams of approximately 4" x 4" size | RM | 425 |
| 1176 | BMC-X.10 | Steel Plates for form works | 1 sqm | 1609 |
| 1177 | BMC-X.11 | Scaffolding Pipes & Centering accessories | 1 Kg | 121 |
| 1178 | BMC-X.12 | Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long | Each | 130 |
| 1179 | BMC-X.13 | Hire charges for stationary Concrete pump conforming to IS 21573 Part-1: 2006 to deliver the fresh green concrete | 1 Hr | 342 |
| 1180 | BMC-X.14 | Concrete delivery pipes conforming to IS 15947 Part I: 2012 to be connected to the pump to delivery point (150 mm Diameter) hire charges per 10 RM | 1 Hr | 4 |

- 1 All the items to be used on the works shall be of first quality & ISI marked wherever possible and as approved, workmanship shall be as approved by the Engineer-In-charge of the work.
- 2 Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT.
- 3 Works Contract VAT for General/ Composition Scheme on finished items may be allowed in the estimates as applicable.
- 4 SSR Rates for Building items are purely for the guidance of the officers in preparation of estimates vide para.113 of APPWD code. Authority who prepares the estimate is however responsible for proper rates as envisaged in para.45 of APPWD code.

LEGEND:

"BMT" -X.XX

"BMM"-X.XX

"BMS"-X.XX

"BMC"-X.XX

XXX-"A".XX - Denotes the Section

XXX-X."01" - Denotes the Serial Number of the Item in the corresponding Section

| SI | NAME OF THE STRUCTURAL MEMBER | Material Hire charges | Labour charges | Centring Charges for 2015-16 | Unit of Measurement |
|--|--|-----------------------|----------------|------------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| HIRE CHARGES FOR CENTERING & SCAFFOLDING | | | | | |
| A | FOOTINGS | Rs. 277 | Rs. 473 | Rs. 750 | per 1 cum |
| B | BED BLOCKS, BANDS | Rs. 61 | Rs. 244 | Rs. 305 | per 1 cum |
| C | PEDESTALS | Rs. 315 | Rs. 753 | Rs. 1068 | per 1 cum |
| D | PLINTH BEAMS | Rs. 1335 | Rs. 1141 | Rs. 2476 | per 1 cum |
| HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 3.66 M Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates,etc., | | | | | |
| E | LINTELS | Rs. 1133 | Rs. 1211 | Rs. 2344 | per 1 cum |
| F | CHAJJAS - SUNSHADES | Rs. 224 | Rs. 186 | Rs. 410 | per 1 sqm |
| G | COLUMNS | Rs. 341 | Rs. 1700 | Rs. 2041 | per 1 cum |
| H | BEAMS | Rs. 2002 | Rs. 1426 | Rs. 3428 | per 1 cum |
| I | SLABS - Up to 150 mm thick | Rs. 227 | Rs. 162 | Rs. 389 | per 1 sqm |
| J | SLABS - above 150 mm - Up to 300 mm thick | Rs. 233 | Rs. 166 | Rs. 399 | per 1 sqm |
| K | SLABS - above 300 mm thick | Rs. 244 | Rs. 174 | Rs. 418 | per 1 sqm |
| L | WAFFLE - (GRID) SLABS (Rib Beams with Slabs) | Rs. 824 | Rs. 587 | Rs. 1411 | per 1 sqm |
| M | PERGOLA SLABS (Only Rib Beams) | Rs. 578 | Rs. 412 | Rs. 990 | per 1 sqm |
| N | ARCH BEAMS - up to 1.5 M Span | Rs. 2276 | Rs. 1621 | Rs. 3897 | per 1 cum |
| O | ARCH BEAMS - above 1.5 M Span | Rs. 2308 | Rs. 1644 | Rs. 3952 | per 1 cum |
| P | DOME SLABS | Rs. 3681 | Rs. 2621 | Rs. 6302 | per 1 cum |
| Q | HELICAL STAIRCASES | Rs. 280 | Rs. 200 | Rs. 480 | per 1 sqm |
| R | SHEAR WALLS, RCC WALLS, WATER TANK WALLS | DELETED | | | |

| | | | | | |
|--|--|----------|----------|----------|-----------|
| HIRE CHARGES FOR CENTERING & SCAFFOLDING - Unsupported Height upto 3.66 M Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., | | | | | |
| E | LINTELS | Rs. 760 | Rs. 953 | Rs. 1713 | per 1 cum |
| F | CHAJJAS - SUNSHADES | Rs. 150 | Rs. 146 | Rs. 296 | per 1 sqm |
| G | COLUMNS | Rs. 229 | Rs. 1338 | Rs. 1567 | per 1 cum |
| H | BEAMS | Rs. 1342 | Rs. 1122 | Rs. 2464 | per 1 cum |
| I | SLABS - Up to 150 mm thick | Rs. 152 | Rs. 127 | Rs. 279 | per 1 sqm |
| J | SLABS - above 150 mm - Up to 300 mm thick | Rs. 156 | Rs. 131 | Rs. 287 | per 1 sqm |
| K | SLABS - above 300 mm thick | Rs. 164 | Rs. 137 | Rs. 301 | per 1 sqm |
| L | WAFFLE - (GRID) SLABS (Rib Beams with Slabs) | Rs. 553 | Rs. 462 | Rs. 1015 | per 1 sqm |
| M | PERGOLA SLABS (Only Rib Beams) | Rs. 387 | Rs. 324 | Rs. 711 | per 1 sqm |
| N | ARCH BEAMS - up to 1.5 M Span | Rs. 1526 | Rs. 1276 | Rs. 2802 | per 1 cum |
| O | ARCH BEAMS - above 1.5 M Span | Rs. 1547 | Rs. 1294 | Rs. 2841 | per 1 cum |
| P | DOME SLABS | Rs. 2467 | Rs. 2063 | Rs. 4530 | per 1 cum |
| Q | HELICAL STAIRCASES | Rs. 188 | Rs. 157 | Rs. 345 | per 1 sqm |
| R | SHEAR WALLS, RCC WALLS, WATER TANK WALLS | DELETED | | | |

| SI | NAME OF THE STRUCTURAL MEMBER | Material Hire charges | Labour charges | Centring Charges for 2015-16 | Unit of Measurement |
|---|-------------------------------|-----------------------|----------------|------------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| HIRE CHARGES FOR ACCESS SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for BRICK MASONRY/ STONE MASONRY - 1 sqm (Wall Area) | | | | | |
| A | 1st - Floor | Rs. 9.93 | Rs. 61.83 | Rs. 71.76 | per 1 sqm |
| B | 2nd - Floor | Rs. 9.93 | Rs. 87.78 | Rs. 97.71 | per 1 sqm |
| C | 3rd - Floor | Rs. 9.93 | Rs. 113.7 | Rs. 123.67 | per 1 sqm |
| D | 4th - Floor | Rs. 9.93 | Rs. 139.7 | Rs. 149.62 | per 1 sqm |
| E | 5th - Floor | Rs. 9.93 | Rs. 165.6 | Rs. 175.57 | per 1 sqm |
| F | 6th - Floor | Rs. 9.93 | Rs. 191.6 | Rs. 201.52 | per 1 sqm |
| G | 7th - Floor | Rs. 9.93 | Rs. 217.5 | Rs. 227.47 | per 1 sqm |
| H | 8th - Floor | Rs. 9.93 | Rs. 243.5 | Rs. 253.43 | per 1 sqm |
| I | 9th - Floor | Rs. 9.93 | Rs. 269.5 | Rs. 279.38 | per 1 sqm |
| J | 10th - Floor | Rs. 9.93 | Rs. 295.4 | Rs. 305.33 | per 1 sqm |
| K | 11th - Floor | Rs. 9.93 | Rs. 321.4 | Rs. 331.28 | per 1 sqm |
| L | 12th - Floor | Rs. 9.93 | Rs. 347.3 | Rs. 357.23 | per 1 sqm |

| M | 13th - Floor | Rs. | 9.93 | Rs. | 373.3 | Rs. | 383.19 | per 1 sqm |
|--|-------------------------------|-----------------------|----------------|-----|------------------------------|---------------------|--------|-----------|
| N | 14th - Floor | Rs. | 9.93 | Rs. | 399.2 | Rs. | 409.14 | per 1 sqm |
| O | 15th - Floor | Rs. | 9.93 | Rs. | 425.2 | Rs. | 435.09 | per 1 sqm |
| SI | NAME OF THE STRUCTURAL MEMBER | Material Hire charges | Labour charges | | Centring Charges for 2015-16 | Unit of Measurement | | |
| 1 | 2 | 3 | 4 | | 5 | 6 | | |
| HIRE CHARGES FOR ACCESS SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for PLASTERING to WALLS - 1 sqm | | | | | | | | |
| A | 1st - Floor | Rs. | 0.99 | Rs. | 6.18 | Rs. | 7.17 | per 1 sqm |
| B | 2nd - Floor | Rs. | 0.99 | Rs. | 8.78 | Rs. | 9.77 | per 1 sqm |
| C | 3rd - Floor | Rs. | 0.99 | Rs. | 11.37 | Rs. | 12.36 | per 1 sqm |
| D | 4th - Floor | Rs. | 0.99 | Rs. | 13.97 | Rs. | 14.96 | per 1 sqm |
| E | 5th - Floor | Rs. | 0.99 | Rs. | 16.56 | Rs. | 17.55 | per 1 sqm |
| F | 6th - Floor | Rs. | 0.99 | Rs. | 19.16 | Rs. | 20.15 | per 1 sqm |
| G | 7th - Floor | Rs. | 0.99 | Rs. | 21.75 | Rs. | 22.74 | per 1 sqm |
| H | 8th - Floor | Rs. | 0.99 | Rs. | 24.35 | Rs. | 25.34 | per 1 sqm |
| I | 9th - Floor | Rs. | 0.99 | Rs. | 26.94 | Rs. | 27.93 | per 1 sqm |
| J | 10th - Floor | Rs. | 0.99 | Rs. | 29.54 | Rs. | 30.53 | per 1 sqm |
| K | 11th - Floor | Rs. | 0.99 | Rs. | 32.14 | Rs. | 33.13 | per 1 sqm |
| L | 12th - Floor | Rs. | 0.99 | Rs. | 34.73 | Rs. | 35.72 | per 1 sqm |
| M | 13th - Floor | Rs. | 0.99 | Rs. | 37.33 | Rs. | 38.32 | per 1 sqm |
| N | 14th - Floor | Rs. | 0.99 | Rs. | 39.92 | Rs. | 40.91 | per 1 sqm |
| O | 15th - Floor | Rs. | 0.99 | Rs. | 42.52 | Rs. | 43.51 | per 1 sqm |
| HIRE CHARGES FOR STAGE SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for CEILING PLASTERING - 1 sqm | | | | | | | | |
| A | 1st - Floor | Rs. | 2.37 | Rs. | 12.55 | Rs. | 14.92 | per 1 sqm |
| B | 2nd - Floor | Rs. | 2.37 | Rs. | 17.64 | Rs. | 20.01 | per 1 sqm |
| C | 3rd - Floor | Rs. | 2.37 | Rs. | 22.73 | Rs. | 25.1 | per 1 sqm |
| D | 4th - Floor | Rs. | 2.37 | Rs. | 27.82 | Rs. | 30.19 | per 1 sqm |
| E | 5th - Floor | Rs. | 2.37 | Rs. | 32.91 | Rs. | 35.28 | per 1 sqm |
| F | 6th - Floor | Rs. | 2.37 | Rs. | 38 | Rs. | 40.37 | per 1 sqm |
| G | 7th - Floor | Rs. | 2.37 | Rs. | 43.08 | Rs. | 45.45 | per 1 sqm |
| H | 8th - Floor | Rs. | 2.37 | Rs. | 48.17 | Rs. | 50.54 | per 1 sqm |
| I | 9th - Floor | Rs. | 2.37 | Rs. | 53.26 | Rs. | 55.63 | per 1 sqm |
| J | 10th - Floor | Rs. | 2.37 | Rs. | 58.35 | Rs. | 60.72 | per 1 sqm |
| K | 11th - Floor | Rs. | 2.37 | Rs. | 63.44 | Rs. | 65.81 | per 1 sqm |
| L | 12th - Floor | Rs. | 2.37 | Rs. | 68.53 | Rs. | 70.9 | per 1 sqm |
| M | 13th - Floor | Rs. | 2.37 | Rs. | 73.62 | Rs. | 75.99 | per 1 sqm |
| N | 14th - Floor | Rs. | 2.37 | Rs. | 78.71 | Rs. | 81.08 | per 1 sqm |
| O | 15th - Floor | Rs. | 2.37 | Rs. | 83.8 | Rs. | 86.17 | per 1 sqm |

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc., for unsupported height 3.66 M

| FLOOR | | LINTEL S | CHAJJAS - SUNSHADES | COLUMNS | BEAMS | SLAB S - Up to 150 mm thick | SLAB S - above 150 mm - Up to 300 mm thick | WAFFLE -(GRID) SLABS (Rib Beams with Slabs) | PERGOLA SLABS (Only Rib Beams) | ARCH BEAM S - up to 1.5 M Span | ARCH BEAM S - above 1.5 M Span | DOME SLABS | HELICAL STAIRCASES | |
|------------------------------|---|----------|---------------------|---------|-------|-----------------------------|--|---|--------------------------------|--------------------------------|--------------------------------|------------|--------------------|-----|
| Material Hire for any Floor | H | 1133 | 224 | 341 | 2002 | 227 | 233 | 244 | 824 | 578 | 2276 | 2308 | 3681 | 280 |
| Labour Charges for 1st Floor | L | 1211 | 186 | 1700 | 1426 | 162 | 166 | 174 | 587 | 412 | 1621 | 1644 | 2621 | 200 |
| Total Hire Charges (H+L) | T | 2344 | 410 | 2041 | 3428 | 389 | 399 | 418 | 1411 | 990 | 3897 | 3952 | 6302 | 480 |
| 1st - Floor | L | 1211 | 186 | 1700 | 1426 | 162 | 166 | 174 | 587 | 412 | 1621 | 1644 | 2621 | 200 |
| 2nd - Floor | L | 1332 | 205 | 1870 | 1569 | 178 | 183 | 191 | 646 | 453 | 1783 | 1808 | 2883 | 220 |
| 3rd - Floor | L | 1453 | 223 | 2040 | 1711 | 194 | 199 | 209 | 704 | 494 | 1945 | 1973 | 3145 | 240 |
| 4th - Floor | L | 1574 | 242 | 2210 | 1854 | 211 | 216 | 226 | 763 | 536 | 2107 | 2137 | 3407 | 260 |
| 5th - Floor | L | 1695 | 260 | 2380 | 1996 | 227 | 232 | 244 | 822 | 577 | 2269 | 2302 | 3669 | 280 |
| 6th - Floor | L | 1817 | 279 | 2550 | 2139 | 243 | 249 | 261 | 881 | 618 | 2432 | 2466 | 3932 | 300 |
| 7th - Floor | L | 1938 | 298 | 2720 | 2282 | 259 | 266 | 278 | 939 | 659 | 2594 | 2630 | 4194 | 320 |
| 8th - Floor | L | 2059 | 316 | 2890 | 2424 | 275 | 282 | 296 | 998 | 700 | 2756 | 2795 | 4456 | 340 |
| 9th - Floor | L | 2180 | 335 | 3060 | 2567 | 292 | 299 | 313 | 1057 | 742 | 2918 | 2959 | 4718 | 360 |
| 10th - Floor | L | 2301 | 353 | 3230 | 2709 | 308 | 315 | 331 | 1115 | 783 | 3080 | 3124 | 4980 | 380 |
| 11th - Floor | L | 2422 | 372 | 3400 | 2852 | 324 | 332 | 348 | 1174 | 824 | 3242 | 3288 | 5242 | 400 |
| 12th - Floor | L | 2543 | 391 | 3570 | 2995 | 340 | 349 | 365 | 1233 | 865 | 3404 | 3452 | 5504 | 420 |
| 13th - Floor | L | 2664 | 409 | 3740 | 3137 | 356 | 365 | 383 | 1291 | 906 | 3566 | 3617 | 5766 | 440 |
| 14th - Floor | L | 2785 | 428 | 3910 | 3280 | 373 | 382 | 400 | 1350 | 948 | 3728 | 3781 | 6028 | 460 |
| 15th - Floor | L | 2906 | 446 | 4080 | 3422 | 389 | 398 | 418 | 1409 | 989 | 3890 | 3946 | 6290 | 480 |

Note: - Centering & scaffolding charges for steel scaffolding with pipes, jack props, steel centring plates for unsupported heights of every 610 mm height above 3.66 M may be allowed at 16.666% more than the basic material hire charges and relevant labour charges of the applicable floor and item

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates, Steel Centring Plates etc., for unsupported height 3.66 M

| FLOOR | | LINTEL S | CHAJJAS - SUNSHADE S | COLUMN S | BEAMS | SLAB S - Up to 150 mm thick | SLAB S - above 150 mm - Up to 300 mm thick | SLAB S - above 300 mm thick | WAFFL E - (GRID) SLABS (Rib Beams with Slabs) | PERGOLA SLABS (Only Rib Beams) | ARCH BEAM S - up to 1.5 M Span | ARCH BEAM S - above 1.5 M Span | DOME SLABS | HELICAL STAIRCASE S |
|------------------------------|---|----------|----------------------|----------|-------|-----------------------------|--|-----------------------------|---|--------------------------------|--------------------------------|--------------------------------|------------|---------------------|
| Material Hire for any Floor | H | 760 | 150 | 229 | 1342 | 152 | 156 | 164 | 553 | 387 | 1526 | 1547 | 2467 | 188 |
| Labour Charges for 1st Floor | L | 953 | 146 | 1338 | 1122 | 127 | 131 | 137 | 462 | 324 | 1276 | 1294 | 2063 | 157 |
| Total Hire Charges (H+L) | T | 1713 | 296 | 1567 | 2464 | 279 | 287 | 301 | 1015 | 711 | 2802 | 2841 | 4530 | 345 |

| | | | | | | | | | | | | | | |
|--------------|---|------|-----|------|------|-----|-----|-----|------|-----|------|------|------|-----|
| 1st - Floor | L | 953 | 146 | 1338 | 1122 | 127 | 131 | 137 | 462 | 324 | 1276 | 1294 | 2063 | 157 |
| 2nd - Floor | L | 1048 | 161 | 1472 | 1234 | 140 | 144 | 151 | 508 | 356 | 1404 | 1423 | 2269 | 173 |
| 3rd - Floor | L | 1144 | 175 | 1606 | 1346 | 152 | 157 | 164 | 554 | 389 | 1531 | 1553 | 2476 | 188 |
| 4th - Floor | L | 1239 | 190 | 1739 | 1459 | 165 | 170 | 178 | 601 | 421 | 1659 | 1682 | 2682 | 204 |
| 5th - Floor | L | 1334 | 204 | 1873 | 1571 | 178 | 183 | 192 | 647 | 454 | 1786 | 1812 | 2888 | 220 |
| 6th - Floor | L | 1430 | 219 | 2007 | 1683 | 191 | 197 | 206 | 693 | 486 | 1914 | 1941 | 3095 | 236 |
| 7th - Floor | L | 1525 | 234 | 2141 | 1795 | 203 | 210 | 219 | 739 | 518 | 2042 | 2070 | 3301 | 251 |
| 8th - Floor | L | 1620 | 248 | 2275 | 1907 | 216 | 223 | 233 | 785 | 551 | 2169 | 2200 | 3507 | 267 |
| 9th - Floor | L | 1715 | 263 | 2408 | 2020 | 229 | 236 | 247 | 832 | 583 | 2297 | 2329 | 3713 | 283 |
| 10th - Floor | L | 1811 | 277 | 2542 | 2132 | 241 | 249 | 260 | 878 | 616 | 2424 | 2459 | 3920 | 298 |
| 11th - Floor | L | 1906 | 292 | 2676 | 2244 | 254 | 262 | 274 | 924 | 648 | 2552 | 2588 | 4126 | 314 |
| 12th - Floor | L | 2001 | 307 | 2810 | 2356 | 267 | 275 | 288 | 970 | 680 | 2680 | 2717 | 4332 | 330 |
| 13th - Floor | L | 2097 | 321 | 2944 | 2468 | 279 | 288 | 301 | 1016 | 713 | 2807 | 2847 | 4539 | 345 |
| 14th - Floor | L | 2192 | 336 | 3077 | 2581 | 292 | 301 | 315 | 1063 | 745 | 2935 | 2976 | 4745 | 361 |
| 15th - Floor | L | 2287 | 350 | 3211 | 2693 | 305 | 314 | 329 | 1109 | 778 | 3062 | 3106 | 4951 | 377 |

Note: - Centering & scaffolding charges for steel scaffolding with pipes, jack props, steel centring plates for unsupported heights of every 610 mm height above 3.66 M may be allowed at 16.666% more than the basic material hire charges and relevant labour charges of the applicable floor and item

List of the Names of the Brand / Manufacturer / Supplier of Building Materials

| SI. No | SECTION | NAMES OF THE ITEMS | NAMES OF THE BRAND / MANUFACTURER / SUPPLIER |
|--------|-------------|--|--|
| 1 | SECTION – A | BRICKS & BUILDING BLOCKS | Aerocon, Siporex, Nucon, NCL, |
| 2 | SECTION – B | NATURAL FLOORING TILES | |
| 3 | SECTION – C | WALL & FLOOR TILES | Somany, NaveenCeramics, Kajaria, Nitco, Segno, Sphinx, Orient Bell, AGL, Hindware, Bisazza, Marblex, Armstrong. |
| | | TILE ADHESIVES | MYK LATICRETE |
| 4 | SECTION – D | PAVING & INTERLOCKING TILES | Super Decorative, Aditya Designer, Maha Bhima, Tricon, Pheonix, Eurocon, Ultra, Sphinx |
| 5 | SECTION – E | TIMBER & ROOFING MATERIALS | |
| 6 | SECTION – F | MILD, GALVANISED & STAINLESS STEEL | R.K Steels, Sugna TMT Bars, Shyam Steels, Mangal TMT, Mangal TMT 999 |
| 7 | SECTION – G | FIXTURES FOR DOOR & WINDOWS | Jyoti, Classic, Hardwyn |
| 8 | SECTION – H | WATER PROOFING CHEMICALS & ADMIXTURES | MULTI CHEM, MYK LATICRETE, WALRUS, Clean Tech Corrison Chemicals, ESSAR, |
| 9 | SECTION – I | GLASS | Modi, Saintgobain, Asahi, Binani, HNG |
| 10 | SECTION – J | PAINTS & POLISHES | Asian, Berger, Nerolac, British Paints, JK Paints, Saicoat, Indocem, ESSAR, Sheenlac, Suryacem, PMCC, Neon, GRA FLANKS (Wallz), Walrus – SYNTHETIC PLASTER - NCL Alitek, MYK LATICRETE, Multichem, GRA Flanks, INDOCEM, Nippon. |
| 11 | SECTION – K | PARTICLE BOARDS | NCL Bison, Ramco-Hilux, Ramco-Hicem, Everest-board, Visakha-board, Rajshri, Innsula, Aerocon, Aerolite, Novopan, Bhutan-board, Green ply |
| 12 | SECTION – L | PLYWOOD | Kitply, Century Ply, National Ply, BhutanPly, Samrat, Gurjan ply, AAMODA PLY, NCL, Green ply |
| 13 | SECTION – M | CEILINGS, WALL PARTITIONS & WALL LININGS | Ramco-Hilux, Everest-board, Visakha-board, Rajshri, Innsula, Gypsum India, Saintgobain, Armstrong, Daikin, NCL-Seccolor, NCL Bison, DORMA, NCL, Aerolite, RONDO |
| 14 | SECTION – N | DOORS | Anand, Raavila, Kutty, Standard, Shubhdwar, ITP, Rajshri, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG, Masonite, Everest, Vishaka, Ambience, Aamoda, ALPINE, DORMA, Nagarjuna, NCL Alitek & Seccolor, AHLADA, |
| 15 | SECTION – P | WINDOWS | LG, AHLADA, NCL Alitek & Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, NCL-Wintech, Fenesta. |
| 16 | SECTION – Q | STRUCTURAL GLAZING | NCL-Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG |
| 17 | SECTION – U | EXPANSION JOINT FILLERS | Silseal, Silflex, Armour, Shalitex |
| 18 | SECTION – W | MISCELLANEOUS ITEMS | Sintex for PVC tanks, Centurywells for Galvalume sheets, Elixir for PEB structures, smart coat, Aluminium Sections - Hindalco, Nalco, Jindal, Plywood - Kitply, Century Ply, National Ply, Bhutan Ply, Green Ply, JK Cement Ltd, RONDO |

Note: 1) All Building Materials conforming to ISI Standards, shall be used in all CIVIL, Water Supply & Sanitary Fittings and Electrical Works.

2) Not only limiting to the Brand / Manufacturer / Supplier for Materials/Products mentioned above, Material / Product conforming to the Specification and Standards of ISI from any Brand / Manufacturer, shall also be allowed in all CIVIL, Water Supply & Sanitary Fittings and Electrical Works too.

WATER SUPPLY & SANITARY ITEMS

WATER SUPPLY & SANITARY ITEMS

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|-------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| A | | S.W.G. PIPES & FITTINGS | | |
| 1 | BMW-A.01 | Supplying, laying, jointing and testing 101.6 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1:5:1 prop. Including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm(5'0") depth and refilling with watering and tamping. | 1 RM | 466 |
| 2 | BMW-A.02 | Supplying, laying, jointing and testing 101.6 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1:5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 914.4 mm (3'0") depth and refilling with watering and tamping. | 1 RM | 408 |
| 3 | BMW-A.03 | Supplying, laying, jointing and testing 152.4 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1:5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm(5'0") depth and refilling with watering and tamping. | 1 RM | 680 |
| 4 | BMW-A.04 | Supplying, laying, jointing and testing 152.4 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1:5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 914.4 mm (3'0") depth and refilling with watering and tamping. | 1 RM | 614 |
| 5 | BMW-A.05 | labour charges only for laying, jointing and testing SWG pipes of any dia with airtight cement joints including excavation of trenches and socket pits in any soil up to 914.4 mm (3'0") depth (except rock requiring blasting) and refilling with watering and tamping. | 1 RM | 232 |
| 6 | BMW-A.06 | labour charges only for laying, jointing and testing SWG pipes of any dia with airtight cement joints including excavation of trenches and socket pits in any soil up to 1524 mm (5'-0") depth (except rock requiring blasting) and refilling with watering and tamping. | 1 RM | 288 |
| 7 | BMW-A.07 | a)Supplying , laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05 mm gauge graded granite metal chips and cradling 101.6 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets. | 1 RM | 240 |
| 8 | BMW-A.08 | b) - do - labour charges only | 1 RM | 10 |
| 9 | BMW-A.09 | a)Supplying , laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05 mm gauge graded granite metal chips and cradling 152.4 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets. | 1 RM | 327 |
| 10 | BMW-A.10 | b) - do - labour charges only | 1 RM | 49 |
| 11 | BMW-A.11 | a) Supplying & Laying 101.6 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the channels in position | 1 RM | 87 |
| 12 | BMW-A.12 | b) - do - labour charges only | 1 RM | 37 |
| 13 | BMW-A.13 | a) Supplying & Laying 152.4 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the channels in position | 1 RM | 163 |
| 14 | BMW-A.14 | b) - do - labour charges only | 1 RM | 51 |
| 15 | BMW-A.15 | Supply of SWG SP-1 pipe conforming to ISI 651 - 4" dia (101.6mm) | 1 RM | 181 |
| 16 | BMW-A.16 | Supply of SWG SP-1 pipe conforming to ISI 651 - 6" dia (152.4mm) | 1 RM | 314 |
| 17 | BMW-A.17 | Supply of SWG SP-1 pipe conforming to ISI 651 - 8" dia (203.2mm) | 1 RM | 485 |
| 18 | BMW-A.18 | Supply of SWG SP-1 pipe conforming to ISI 651 - 10" dia (254 mm) | 1 RM | 888 |
| 19 | BMW-A.19 | Supply of SWG SP-1 pipe conforming to ISI 651 - 12" dia (300 mm) | 1 RM | 1,280 |
| 20 | BMW-A.20 | Supply of SWG SP-1 pipe conforming to ISI 651 - 14" dia (350 mm) | 1 RM | 1,742 |
| 21 | BMW-A.21 | Supply of SWG SP-1 pipe conforming to ISI 651 - 16" dia (400 mm) | 1 RM | 2,100 |
| 22 | BMW-A.22 | Supply of SWG SP-1 pipe conforming to ISI 651 - 18" dia (450 mm) | 1 RM | 2,536 |
| 23 | BMW-A.23 | Supply of SWG SP-2 pipe conforming to ISI 651 - 4" dia (101.6mm) | 1 RM | 223 |
| 24 | BMW-A.24 | Supply of SWG SP-2 pipe conforming to ISI 651 - 6" dia (152.4mm) | 1 RM | 332 |
| 25 | BMW-A.25 | Supply of SWG SP-2 pipe conforming to ISI 651 - 8" dia (203.2mm) | 1 RM | 599 |
| 26 | BMW-A.26 | Supply of SWG SP-2 pipe conforming to ISI 651 - 10" dia (254 mm) | 1 RM | 941 |
| 27 | BMW-A.27 | Supply of SWG SP-2 pipe conforming to ISI 651 - 12" dia (300 mm) | 1 RM | 1,446 |
| 28 | BMW-A.28 | Supply of SWG SP-2 pipe conforming to ISI 651 - 14" dia (350 mm) | 1 RM | 1,875 |
| 29 | BMW-A.29 | Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm) | 1 RM | 2,159 |
| 30 | BMW-A.30 | Supply of SWG SP-2 pipe conforming to ISI 651 - 18" dia (450 mm) | 1 RM | 2,756 |
| 31 | BMW-A.31 | Supply of SWG SP-3 pipe conforming to ISI 651 - 4" dia (101.6mm) | 1 RM | 285 |
| 32 | BMW-A.32 | Supply of SWG SP-3 pipe conforming to ISI 651 - 6" dia (152.4mm) | 1 RM | 415 |
| 33 | BMW-A.33 | Supply of SWG SP-3 pipe conforming to ISI 651 - 8" dia (203.2mm) | 1 RM | 734 |
| 34 | BMW-A.34 | Supply of SWG SP-3 pipe conforming to ISI 651 - 10" dia (254 mm) | 1 RM | 1,115 |
| 35 | BMW-A.35 | Supply of SWG SP-3 pipe conforming to ISI 651 - 12" dia (300 mm) | 1 RM | 1,558 |
| 36 | BMW-A.36 | Supply of SWG SP-3 pipe conforming to ISI 651 - 14" dia (350 mm) | 1 RM | 1,979 |
| 37 | BMW-A.37 | Supply of SWG SP-2 pipe conforming to ISI 651 - 16" dia (400 mm) | 1 RM | 2,278 |
| 38 | BMW-A.38 | Supply of SWG SP-3 pipe conforming to ISI 651 - 18" dia (450 mm) | 1 RM | 3,099 |
| 39 | BMW-A.39 | Supply of SWG Bends conforming to IS standards -100 mm dia | Each | 91 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|---------------|------------------|---|-------------|-----------------------------|
| 40 | BMW-A.40 | Supply of SWG Bends conforming to IS standards -150 mm dia | Each | 168 |
| 41 | BMW-A.41 | Supply of SWG Bends conforming to IS standards -200 mm dia | Each | 317 |
| 42 | BMW-A.42 | Supply of SWG Bends conforming to IS standards -250 mm dia | Each | 643 |
| 43 | BMW-A.43 | Supply of SWG Bends conforming to IS standards -300 mm dia | Each | 816 |
| 44 | BMW-A.44 | Supply of SWG Bends conforming to IS standards -350 mm dia | Each | 1,020 |
| 45 | BMW-A.45 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 100 x 100 | Each | 175 |
| 46 | BMW-A.46 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 150 x 100 | Each | 258 |
| 47 | BMW-A.47 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 150 x 150 | Each | 281 |
| 48 | BMW-A.48 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 100 | Each | 400 |
| 49 | BMW-A.49 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 150 | Each | 468 |
| 50 | BMW-A.50 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 200 | Each | 537 |
| 51 | BMW-A.51 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 100 | Each | 631 |
| 52 | BMW-A.52 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 150 | Each | 833 |
| 53 | BMW-A.53 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 200 | Each | 1,031 |
| 54 | BMW-A.54 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 250 | Each | 1,234 |
| 55 | BMW-A.55 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 100 | Each | 900 |
| 56 | BMW-A.56 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 150 | Each | 1,153 |
| 57 | BMW-A.57 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 200 | Each | 1,405 |
| 58 | BMW-A.58 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 250 | Each | 1,659 |
| 59 | BMW-A.59 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 300 | Each | 1,911 |
| 60 | BMW-A.60 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 100 | Each | 1,123 |
| 61 | BMW-A.61 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 150 | Each | 1,440 |
| 62 | BMW-A.62 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 200 | Each | 1,756 |
| 63 | BMW-A.63 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 250 | Each | 2,070 |
| 64 | BMW-A.64 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 300 | Each | 2,387 |
| 65 | BMW-A.65 | Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 350 | Each | 2,701 |
| 66 | BMW-A.66 | Supply of SWG Plugs conforming to IS standards for 100 mm dia | Each | 33 |
| 67 | BMW-A.67 | Supply of SWG Plugs conforming to IS standards for 150 mm dia | Each | 63 |
| 68 | BMW-A.68 | Supply of SWG Plugs conforming to IS standards for 200 mm dia | Each | 120 |
| 69 | BMW-A.69 | Supply of SWG Plugs conforming to IS standards for 250 mm dia | Each | 208 |
| 70 | BMW-A.70 | Supply of SWG Plugs conforming to IS standards for 300 mm dia | Each | 329 |
| 71 | BMW-A.71 | Supply of SWG Plugs conforming to IS standards for 350 mm dia | Each | 413 |
| 72 | BMW-A.72 | Supplying & fixing 150 mm x 100 mm SWG gully traps conforming to ISI 651 & 4127 with C.I Grating & Cost. Brick masonry in CM 1:6 prop. Intermediate chamber and fitted with 304.8 mm x 288.6mm (12"x9") C.I Frame and hinged cover | Each | 568 |
| 73 | BMW-A.73 | Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm | Each | 254 |
| 74 | BMW-A.74 | Labour charges for fixing and laying the SWG Junctions/ Plugs/ Bends of any dia with airtight cement joints as per standard practice | Each | 30 |
| 75 | BMW-A.75 | Supply of SWG Saddles conforming to IS standards 150 x 100 mm | | 184 |
| 76 | BMW-A.76 | Supply of SWG Saddles conforming to IS standards 200 x 100 mm | | 317 |
| 77 | BMW-A.77 | Supply of SWG Saddles conforming to IS standards 250 x 100 mm | | 513 |
| B | | MAN HOLES & INSPECTION CHAMBERS - AS PER - IS 4111 : Part 1 : 1986 | | |
| 78 | BMW-B.01 | Constructing 904.0 mm (3'0") dia solid block masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using fly-ash blocks of 225 mm thick from approved source having a minimum crushing strength of 10 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including | Each | 6730 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|---|------|----------------------|
| | | excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification. | | |
| 79 | BMW-B.02 | Constructing 904.0 mm (3'0") dia solid block masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using fly-ash blocks of 225 mm thick from approved source having a minimum crushing strength of 10 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification. | Each | 10,590 |
| 80 | BMW-B.03 | Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification. | Each | 6,518 |
| 81 | BMW-B.04 | Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification. | Each | 10181 |
| 82 | BMW-B.05 | Constructing 914.4 mm x 457.2 mm (3'0"x1'6") brick in CM 1:6 prop. Masonry Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 914.4 mm x 457.2 mm (3'0"x1'6") C.I frame and cover of 40 Kg. | Each | 6346 |
| 83 | BMW-B.06 | Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg. | Each | 3,825 |
| 84 | BMW-B.07 | a) Making drainage connection in the existing inspection including all repairs | Each | 126 |
| 85 | BMW-B.08 | b) - do - labour charges only | Each | 71 |
| C | | C.I. PIPES & FITTINGS - AS PER - IS 1729:1979 (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| | | Supplying and fixing of C.I. Single/ Double Socket soil pipes ISI marked conforming to IS:1729-1979 of reputed make with cement caulked joints and fixing as per site requirements including painting black with Japan paint and fixing with necessary wooden blocks fixed in the masonry walls in cement mortar (1½:1) and including fixing of M.S. clamps if necessary with required no. of Bombay nails etc., complete | | |
| 86 | BMW-C.01 | 3" dia (76.2 mm) Single Socket | 1 RM | 760 |
| 87 | BMW-C.02 | 4" dia (101.6mm) Single Socket | 1 RM | 998 |
| 88 | BMW-C.03 | 6" dia (152.4mm) Single Socket | 1 RM | 1,598 |
| 89 | BMW-C.04 | 3" dia (76.2 mm) Double Socket | 1 RM | 831 |
| 90 | BMW-C.05 | 4" dia (101.6mm) Double Socket | 1 RM | 1,109 |
| 91 | BMW-C.06 | 6" dia (152.4mm) Double Socket | 1 RM | 1,841 |
| 92 | BMW-C.07 | Labour charges only for fixing of C.I. Single/ Double Socket soil pipes of any dia with cement caulked joints and fixing as per site requirements including | 1 RM | 227 |

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| | | painting black with Japan paint and fixing with necessary wooden blocks fixed in the masonry walls in cement mortar and including fixing of M.S. clamps if necessary with required nails | | |
| 93 | BMW-C.08 | Supplying & fixing CI Plain bends 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 3" dia (76.2 mm) | Each | 296 |
| 94 | BMW-C.09 | Supplying & fixing CI Plain bends 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 4" dia (101.6 mm) | Each | 376 |
| 95 | BMW-C.10 | Supplying & fixing CI Plain bends 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 6" dia (152.4 mm) | Each | 624 |
| 96 | BMW-C.11 | Supplying & fixing CI Plug (Door) bends 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 3" dia (76.2 mm) | Each | 367 |
| 97 | BMW-C.12 | Supplying & fixing CI Plug (Door) bends 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 4" dia (101.6 mm) | Each | 455 |
| 98 | BMW-C.13 | Supplying & fixing CI Plug (Door) bends 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 6" dia (152.4 mm) | Each | 994 |
| 99 | BMW-C.14 | Labour charges only for fixing CI Plain/ Plug (Door) bends with cement caulked joints and fixing as per site requirements with standard practice | Each | 72 |
| 100 | BMW-C.15 | Supplying and fixing of 76.2 mm (3") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 462 |
| 101 | BMW-C.16 | Supplying and fixing of 101.6 mm (4") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 723 |
| 102 | BMW-C.17 | Supplying and fixing of 152.4 mm (6") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 1,714 |
| 103 | BMW-C.18 | Supplying and fixing of 76.2 mm (3") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 388 |
| 104 | BMW-C.19 | Supplying and fixing of 101.6 mm (4") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 531 |
| 105 | BMW-C.20 | Supplying and fixing of 152.4 mm (6") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 1,276 |
| 106 | BMW-C.21 | Labour charges only fixing CI soil single junctions with cement caulked joints and fixing as per site requirements with standard practice | Each | 101 |
| 107 | BMW-C.22 | Supplying and Fixing of 76.2 mm (3") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 704 |
| 108 | BMW-C.23 | Supplying and Fixing of 101.6 mm (4") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 855 |
| 109 | BMW-C.24 | Supplying and Fixing of 152.4 mm (6") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 1,999 |
| 110 | BMW-C.25 | Supplying and Fixing of 76.2 mm (3") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 608 |
| 111 | BMW-C.26 | Supplying and Fixing of 101.6 mm (4") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 799 |
| 112 | BMW-C.27 | Supplying and Fixing of 152.4 mm (6") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing | Each | 1,872 |
| 113 | BMW-C.28 | Labour charges only fixing CI soil Double junctions with cement caulked joints and fixing as per site requirements with standard practice | Each | 98 |
| 114 | BMW-C.29 | Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 76.20 mm (3") C.I. Pipe | Each | 298 |
| 115 | BMW-C.30 | Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 101.6 mm (4") C.I. Pipe | Each | 417 |
| 116 | BMW-C.31 | Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing -for 152.4 mm (6") C.I. Pipe | Each | 909 |
| 117 | BMW-C.32 | Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing - for 76.20 mm (3") C.I. Pipe | Each | 355 |
| 118 | BMW-C.33 | Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing - for 101.6 mm (4") C.I. Pipe | Each | 472 |
| 119 | BMW-C.34 | Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing - for 152.4 mm (6") C.I. Pipe | Each | 931 |
| 120 | BMW-C.35 | Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing for 76.20 mm (3") C.I. Pipe | Each | 410 |
| 121 | BMW-C.36 | Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing for 101.6 mm (4") C.I. Pipe | Each | 531 |
| 122 | BMW-C.37 | Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing for 152.4 mm (6") C.I. Pipe | Each | 1,082 |
| 123 | BMW-C.38 | Labour charges only fixing CI soil Offsets with cement caulked joints and fixing | Each | 45 |

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| | | as per site requirements with standard practice | | |
| 124 | BMW-C.39 | Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practice for nominal dia 75 mm (3") and grating size 165 mm dia of weight not less than 5.5 Kgs | Each | 539 |
| 125 | BMW-C.40 | Supplying & fixing CI floor traps 1st quality ISI marked with C.P. Grating fixing with white cement as per site requirements with standard practice for nominal dia 100 mm (4") and grating size 100 mm dia of weight not less than 6 Kgs | Each | 660 |
| 126 | BMW-C.41 | Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practice for nominal dia 75 mm (3") and grating size 100 mm dia of weight not less than 4.0 Kgs | Each | 329 |
| 127 | BMW-C.42 | Labour charges only for fixing CI Nahany/ Floor traps with C.P. Grating fixing with white cement as per site requirements with standard practice | Each | 59 |
| 128 | BMW-C.43 | Boxing of Nahany traps in RCC floors | Each | 191 |
| 129 | BMW-C.44 | Boxing of W.C Trap in R.C.C floors | Each | 383 |
| 130 | BMW-C.45 | Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 76.20 mm (3") C.I. Pipe | Each | 181 |
| 131 | BMW-C.46 | Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 101.6 mm (4") C.I. Pipe | Each | 227 |
| 132 | BMW-C.47 | Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 152.4 mm (6") C.I. Pipe | Each | 652 |
| D | | VITREOUS CHINaware - SANITARY APPLIANCES as per IS:2556 - 1974 (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 133 | BMW-D.01 | Supplying & Fixing Indian pattern white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap: 580 mm Long | Each | 1048 |
| 134 | BMW-D.02 | Supplying & Fixing Indian pattern white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap: 630 mm Long | Each | 1048 |
| 135 | BMW-D.03 | Labour charges only for fixing Indian pattern W.C with "P" or "S" trap | Each | 302 |
| 136 | BMW-D.04 | Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap: 580 mm x 440 mm | Each | 1584 |
| 137 | BMW-D.05 | Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap: 630 mm x 450 mm | Each | 1665 |
| 138 | BMW-D.06 | Labour charges only Fixing Orissa pan W.C with "P" or "S" trap | Each | 377 |
| 139 | BMW-D.07 | Supplying & Fixing porcelain foot rest for squatting I.W.C. (Rectangular pair) of sizes 250 mm x 125 mm x 15 mm thick each foot rest 1st quality ISI marked conforming to IS:2556-Part-10:1974 | Pair | 254 |
| 140 | BMW-D.08 | Labour charges only for fixing porcelain foot rest for squatting I.W.C. (Rectangular pair) | Pair | 69 |
| 141 | BMW-D.09 | Providing Brick masonry seat for Orissa pan/ Indian W.C. using 2nd class bricks as per standard practice | Each | 328 |
| 142 | BMW-D.10 | Providing Cement Concrete Squatting plate for Orissa pan/ Indian W.C. in P.C.C. 1:2:4 as per standard practice | Each | 98 |
| 143 | BMW-D.11 | Supplying & Fixing low down porcelain flushing tank 10 Lit Capacity with internal components | Each | 2534 |
| 144 | BMW-D.12 | Labour charges only for fixing low down porcelain flushing tank with internal components | Each | 528 |
| 145 | BMW-D.13 | Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'P' trap | Each | 1860 |
| 146 | BMW-D.14 | Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap | Each | 1964 |
| 147 | BMW-D.15 | Labour charges only for fixing European Water Closet with 'P' or 'S' trap as per standard practice | Each | 264 |
| 148 | BMW-D.16 | Supplying and Fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 | Each | 891 |
| 149 | BMW-D.17 | Labour charges only for fixing plastic seat and lid for European water closet | Each | 76 |
| 150 | BMW-D.18 | Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: White Colour | Each | 9689 |
| 151 | BMW-D.19 | Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. | Each | 14159 |

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| | | complete for finished item of work in all respects: Coloured - Grade - I/ Grade - II | | |
| 152 | BMW-D.20 | Supply, Installation and commissioning approved make floor mounted close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: Special Colour - Grade - III | Each | 18035 |
| 153 | BMW-D.21 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 660 x 460 mm - Single C.P. Pillar cock | Each | 2713 |
| 154 | BMW-D.22 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Single C.P. Pillar cock | Each | 2402 |
| 155 | BMW-D.23 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Double C.P. Pillar cock | Each | 2945 |
| 156 | BMW-D.24 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Single C.P. Pillar cock | Each | 1782 |
| 157 | BMW-D.25 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Double C.P. Pillar cock | Each | 2169 |
| 158 | BMW-D.26 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 450 x 300 mm - Single C.P. Pillar cock | Each | 1550 |
| 159 | BMW-D.27 | Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 450 x 300 mm - Double C.P. Pillar cock | Each | 2015 |
| 160 | BMW-D.28 | Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block | Each | 377 |
| 161 | BMW-D.29 | Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware) | Each | 1256 |
| 162 | BMW-D.30 | Labour charges only for fixing pedestal for wash hand basin | Each | 136 |
| 163 | BMW-D.31 | Supplying & Fixing 31.75 mm C.P bottle trap (Heavy type) Parryware or equivalent | Each | 451 |
| 164 | BMW-D.32 | Labour charges only for fixing bottle trap to the wash hand basin | Each | 53 |
| 165 | BMW-D.33 | Supplying & Fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make conforming to IS:2556-1995 | Each | 930 |
| 166 | BMW-D.34 | Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 | Each | 2790 |

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| | | x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make : 410 x 265 x 305 mm | | |
| 167 | BMW-D.35 | Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make : 590 x 375 x 390 mm | Each | 3100 |
| 168 | BMW-D.36 | Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete | Each | 150 |
| 169 | BMW-D.37 | Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : 600 x 400 x 250 | Each | 4959 |
| 170 | BMW-D.38 | Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : 750 x 450 x 250 | Each | 5579 |
| 171 | BMW-D.39 | Labour charges only for fixing Vitreous china porcelain sinks with waste fittings, rubber plug, chain, cantilever brackets etc. | Each | 377 |
| 172 | BMW-D.40 | a) S & F 609.6 x 457.2 x 254 mm RCC terrazzo finished sink (or constructed at site with 50.8mm thick) brass plug and chain including CI cantilever brackets | Each | 791 |
| 173 | BMW-D.41 | b) - do - labour charges only | Each | 225 |
| E | | TAPS & FAUCETS (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 174 | BMW-E.01 | a) S & F 12.7 mm NP stop cock Indian make heavy duty | Each | 474 |
| 175 | BMW-E.02 | b) - do - labour charges only | Each | 29 |
| 176 | BMW-E.03 | a) S & F concealed stop cock 12.7 mm (1/2") Indian Make heavy duty | Each | 542 |
| 177 | BMW-E.04 | b) - do - labour charges only | Each | 43 |
| 178 | BMW-E.05 | a) S & F angle stop cock 12.7 mm dia first quality Indian Make heavy duty | Each | 474 |
| 179 | BMW-E.06 | b) - do - labour charges only | Each | 43 |
| 180 | BMW-E.07 | a) S&F 12.7 mm N.P bib tap Indian make heavy dutys | Each | 407 |
| 181 | BMW-E.08 | b) - do - labour charges only | Each | 29 |
| 182 | BMW-E.09 | a) S&F 12.7mm N.P bib tap Indian make 3heavy duty | Each | 258 |
| 183 | BMW-E.10 | b) - do - labour charges only | Each | 29 |
| 184 | BMW-E.11 | a)S & F 31.75 mm brass plumber Union best Indian first quality | Each | 69 |
| 185 | BMW-E.12 | b) - do - labour charges only | Each | 14 |
| 186 | BMW-E.13 | a) S & F 12.7 mm brass stop cock Indian make heavy duty | Each | 231 |
| 187 | BMW-E.14 | b) - do - labour charges only | Each | 29 |
| 188 | BMW-E.15 | a) S & F 12.7 mm brass stop cock Indian make heavy duty | Each | 204 |
| 189 | BMW-E.16 | b) - do - labour charges only | Each | 29 |
| 190 | BMW-E.17 | a) S & F 12.7 mm brass bib cock Indian make heavy duty | Each | 231 |
| 191 | BMW-E.18 | b) - do - labour charges only | Each | 29 |
| 192 | BMW-E.19 | a) S & F 12.7 mm brass bib cock Indian make heavy duty | Each | 204 |
| 193 | BMW-E.20 | b) - do - labour charges only | Each | 29 |
| 194 | BMW-E.21 | S & F CP Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make | Each | 637 |
| 195 | BMW-E.22 | S & F CP Short body bib cock fancy type deluxeheavy duty 12.7 mm dia Indian make | Each | 611 |
| 196 | BMW-E.23 | S & F 12.7mm heavy duty dia high neck pillar cock 1st quality Indian make | Each | 1,165 |
| 197 | BMW-E.24 | a) S & F 12.7 mm heavy duty NP Swan Neck Pillar cock | Each | 1,165 |
| 198 | BMW-E.25 | b) - do - labour charges only | Each | 49 |
| 199 | BMW-E.26 | a) S & F 12.7 mm heavy duty NP Sink cock | Each | 1,165 |
| 200 | BMW-E.27 | b) - do - labour charges only | Each | 35 |
| 201 | BMW-E.28 | S&F 12.7 mm dia NP pillar cock heavy duty Ist quality Indian make | Each | 611 |
| 202 | BMW-E.29 | S&F 12.7 mm dia NP push cock Ist quality | Each | 271 |
| 203 | BMW-E.30 | S&F 12.7 mm dia NP lift cock Ist quality | Each | 237 |
| 204 | BMW-E.31 | a)S & F 38.1 mm C.P waste coupling Half or Full Thread 1st Quality Indian make Parryware or equivalent | Each | 237 |
| 205 | BMW-E.32 | b) - do - labour charges only | Each | 29 |
| 206 | BMW-E.33 | a) S & F 31.75 mm PVC bottle trap | Each | 142 |
| 207 | BMW-E.34 | b) - do - labour charges only | Each | 29 |
| 208 | BMW-E.35 | a) S & F 38.1 mm brass plumber union | Each | 69 |
| 209 | BMW-E.36 | b) - do - labour charges only | Each | 14 |
| 210 | BMW-E.37 | a)S & F 19.05 mm heavy duty NP stop cock Indian make with ISI mark | Each | 611 |
| 211 | BMW-E.38 | b) - do - labour charges only | Each | 29 |
| F | | G.I. PIPES & FITTINGS (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 212 | BMW-F.01 | S& F GI union 12.7 mm Ist Quality | Each | 45 |
| 213 | BMW-F.02 | S& F GI union 19.05 mm Ist Quality | Each | 54 |
| 214 | BMW-F.03 | S& F GI union 25.4 mm Ist Quality | Each | 83 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|--|------|----------------------|
| 215 | BMW-F.04 | S & F GI union 31.75 mm 1st Quality | Each | 102 |
| 216 | BMW-F.05 | S & F GI union 38.1 mm 1st Quality | Each | 122 |
| 217 | BMW-F.06 | S & F GI union 50.8 mm 1st Quality | Each | 151 |
| 218 | BMW-F.07 | S & F GI connector 25.4 mm dia | Each | 90 |
| 219 | BMW-F.08 | S & F 12.7 mm GI 'T' A class 1st quality | Each | 55 |
| 220 | BMW-F.09 | S & F 31.75 mm dia GI bend 1st quality | Each | 83 |
| 221 | BMW-F.10 | S & F 31.75 mm dia GI 'T' 1st Quality | Each | 81 |
| 222 | BMW-F.11 | a) S & F 25.4 mm copper ball cock ith PVC ball Indian make ISI mark | Each | 469 |
| 223 | BMW-F.12 | b) - do - labour charges only | Each | 44 |
| 224 | BMW-F.13 | a) S & F 19.05 mm copper ball cock ith PVC ball Indian make ISI mark | Each | 384 |
| 225 | BMW-F.14 | b) - do - labour charges only | Each | 41 |
| 226 | BMW-F.15 | a)S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI mark | Each | 249 |
| 227 | BMW-F.16 | b) - do - labour charges only | Each | 44 |
| 228 | BMW-F.17 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 25 mm NB Size | Each | 1233 |
| 229 | BMW-F.18 | b) - do - labour charges only | Each | 44 |
| 230 | BMW-F.19 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 20 mm NB Size | Each | 858 |
| 231 | BMW-F.20 | b) - do - labour charges only | Each | 44 |
| 232 | BMW-F.21 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 15 mm NB Size | Each | 636 |
| 233 | BMW-F.22 | b) - do - labour charges only | Each | 44 |
| 234 | BMW-F.23 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 32 mm NB Size | Each | 1875 |
| 235 | BMW-F.24 | b) - do - labour charges only | Each | 44 |
| 236 | BMW-F.25 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 40 mm NB Size | Each | 2533 |
| 237 | BMW-F.26 | b) - do - labour charges only | Each | 67 |
| 238 | BMW-F.27 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 50 mm NB Size | Each | 3711 |
| 239 | BMW-F.28 | b) - do - labour charges only | Each | 90 |
| 240 | BMW-F.29 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 65 mm NB Size | Each | 5730 |
| 241 | BMW-F.30 | b) - do - labour charges only | Each | 112 |
| 242 | BMW-F.31 | a) S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 80 mm NB Size | Each | 8494 |
| 243 | BMW-F.32 | b) - do - labour charges only | Each | 133 |
| 244 | BMW-F.33 | a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB Size | Each | 470 |
| 245 | BMW-F.34 | b) - do - labour charges only | Each | 56 |
| 246 | BMW-F.35 | a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size | Each | 1073 |
| 247 | BMW-F.36 | b) - do - labour charges only | Each | 67 |
| 248 | BMW-F.37 | a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size | Each | 2184 |
| 249 | BMW-F.38 | b) - do - labour charges only | Each | 112 |
| 250 | BMW-F.39 | a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size | Each | 2990 |
| 251 | BMW-F.40 | b) - do - labour charges only | Each | 112 |
| 252 | BMW-F.41 | a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size | Each | 686 |
| 253 | BMW-F.42 | b) - do - labour charges only | Each | 54 |
| 254 | BMW-F.43 | a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB Size | Each | 443 |
| 255 | BMW-F.44 | b) - do - labour charges only | Each | 54 |
| 256 | BMW-F.45 | a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size | Each | 576 |
| 257 | BMW-F.46 | b) - do - labour charges only | Each | 54 |
| 258 | BMW-F.47 | a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size | Each | 870 |
| 259 | BMW-F.48 | b) - do - labour charges only | Each | 54 |
| 260 | BMW-F.49 | a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 32 mm NB Size | Each | 1200 |
| 261 | BMW-F.50 | b) - do - labour charges only | Each | 54 |
| 262 | BMW-F.51 | a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size | Each | 1450 |
| 263 | BMW-F.52 | b) - do - labour charges only | Each | 54 |
| 264 | BMW-F.53 | a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size | Each | 2300 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
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| 265 | BMW-F.54 | b) - do - labour charges only | Each | 54 |
| 266 | BMW-F.55 | a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 15 mm NB Size | Each | 476 |
| 267 | BMW-F.56 | b) - do - labour charges only | Each | 54 |
| 268 | BMW-F.57 | a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 20 mm NB Size | Each | 621 |
| 269 | BMW-F.58 | b) - do - labour charges only | Each | 54 |
| 270 | BMW-F.59 | a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 25 mm NB Size | Each | 912 |
| 271 | BMW-F.60 | b) - do - labour charges only | Each | 54 |
| 272 | BMW-F.61 | a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 32 mm NB Size | Each | 1,655 |
| 273 | BMW-F.62 | b) - do - labour charges only | Each | 54 |
| 274 | BMW-F.63 | a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 40 mm NB Size | Each | 2,484 |
| 275 | BMW-F.64 | b) - do - labour charges only | Each | 54 |
| 276 | BMW-F.65 | a) S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 50 mm NB Size | Each | 4,345 |
| 277 | BMW-F.66 | b) - do - labour charges only | Each | 54 |
| 278 | BMW-F.67 | a) S & F 15 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 184 |
| 279 | BMW-F.68 | b) - do - labour charges only | 1 RM | 41 |
| 280 | BMW-F.69 | a) S & F 20 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 211 |
| 281 | BMW-F.70 | b) - do - labour charges only | 1 RM | 41 |
| 282 | BMW-F.71 | a) S & F 25 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 277 |
| 283 | BMW-F.72 | b) - do - labour charges only | 1 RM | 41 |
| 284 | BMW-F.73 | a) S & F 32 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 388 |
| 285 | BMW-F.74 | b) - do - labour charges only | 1 RM | 41 |
| 286 | BMW-F.75 | a) S & F 40 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 436 |
| 287 | BMW-F.76 | b) - do - labour charges only | 1 RM | 44 |
| 288 | BMW-F.77 | a) S & F 50 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 475 |
| 289 | BMW-F.78 | b) - do - labour charges only | 1 RM | 67 |
| 290 | BMW-F.79 | a) S & F 15 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 204 |
| 291 | BMW-F.80 | b) - do - labour charges only | 1 RM | 41 |
| 292 | BMW-F.81 | a) S & F 20 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 227 |
| 293 | BMW-F.82 | b) - do - labour charges only | 1 RM | 41 |
| 294 | BMW-F.83 | a) S & F 25 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 297 |
| 295 | BMW-F.84 | b) - do - labour charges only | 1 RM | 41 |
| 296 | BMW-F.85 | a) S & F 32 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 417 |
| 297 | BMW-F.86 | b) - do - labour charges only | 1 RM | 41 |
| 298 | BMW-F.87 | a) S & F 40 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 466 |
| 299 | BMW-F.88 | b) - do - labour charges only | 1 RM | 44 |
| 300 | BMW-F.89 | a) S & F 50 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete | 1 RM | 503 |
| 301 | BMW-F.90 | b) - do - labour charges only | 1 RM | 67 |
| 302 | BMW-F.91 | S & F 65 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 with GI fittings such as elbows tees couplings, nipples, plugs including excavation for trenches and refilling the trenches complete except for GI bends | 1 RM | 892 |

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| | | union and GI connectors with checkout and socket Tata or Zenith make or equivalent. | | |
| 303 | BMW-F.92 | a)S & F 12.7 mm holder bat clamps | Each | 13 |
| 304 | BMW-F.93 | b) - do - labour charges only | Each | 8 |
| 305 | BMW-F.94 | a)S & F 19.05 mm holder bat clamps | Each | 21 |
| 306 | BMW-F.95 | b) - do - labour charges only | Each | 8 |
| 307 | BMW-F.96 | a)S & F 25.4 mm holder bat clamps | Each | 28 |
| 308 | BMW-F.97 | b) - do - labour charges only | Each | 8 |
| 309 | BMW-F.98 | a)S & F 38.1 mm holder bat clamps | Each | 32 |
| 310 | BMW-F.99 | b) - do - labour charges only | Each | 9 |
| 311 | BMW-F.100 | a) S & F 12.7 x 152.0 mm NP shower rose heavy | Each | 186 |
| 312 | BMW-F.101 | b) - do - labour charges only | Each | 20 |
| 313 | BMW-F.102 | a) S & F 12.7 x 137.0 mm NP shower rose heavy | Each | 179 |
| 314 | BMW-F.103 | b) - do - labour charges only | Each | 22 |
| 315 | BMW-F.104 | a) S & F 12.7 x 101.6 mm NP shower rose heavy | Each | 170 |
| 316 | BMW-F.105 | b) - do - labour charges only | Each | 22 |
| 317 | BMW-F.106 | a) S & F 12.7 x 88.9 CP fancy shower | Each | 303 |
| 318 | BMW-F.107 | b) - do - labour charges only | Each | 22 |
| 319 | BMW-F.108 | a) Supplying & fixing 12.7 mm GI drain pipe with plug for tanks (Mud valve) including making a hole | Each | 47 |
| 320 | BMW-F.109 | b) - do - labour charges only | Each | 22 |
| 321 | BMW-F.110 | a) Supplying & fixing 19.05 mm GI drain pipe with plug for tanks (Mud valve) including making a hole | Each | 68 |
| 322 | BMW-F.111 | b) - do - labour charges only | Each | 21 |
| 323 | BMW-F.112 | a) Supplying & fixing 25.4 mm GI drain pipe with plug for tanks (Mud valve) including making a hole | Each | 81 |
| 324 | BMW-F.113 | b) - do - labour charges only | Each | 24 |
| 325 | BMW-F.114 | a) Taking branch water connection from the existing 25.4 mm GI pipe including cutting threading, etc, complete with fitting | Each | 155 |
| 326 | BMW-F.115 | b) - do - labour charges only | Each | 41 |
| 327 | BMW-F.116 | a) Taking branch water connection from the existing 19.05 mm GI pipe including cutting threading, etc, complete with fitting, | Each | 88 |
| 328 | BMW-F.117 | b) - do - labour charges only | Each | 36 |
| 329 | BMW-F.118 | a) Taking branch water connection from the existing 12.7 mm GI pipe including cutting threading, etc, complete with fitting, | Each | 67 |
| 330 | BMW-F.119 | b) - do - labour charges only | Each | 31 |
| 331 | BMW-F.120 | Supplying & fixing leather washers for 12.7 mm bib tap and stop cock | Each | 1 |
| 332 | BMW-F.121 | Supplying & fixing leather washers for 19.05 mm bib tap and stop cock | Each | 3 |
| 333 | BMW-F.122 | Supplying & Fixing 12.7 mm fibre washers | Each | 3 |
| 334 | BMW-F.123 | Supplying & Fixing 19.05 mm fibre washers | Each | 3 |
| G | | PVC PIPES & FITTINGS (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 335 | BMW-G.01 | a) Providing & Placing on Terrace (at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for tanks | 1 Lit | 6 |
| 336 | BMW-G.02 | b) - do - labour charges only | 1 Lit | 1 |
| 337 | BMW-G.03 | Supply of Plastic storage tank lid with hinges | Each | 76 |
| 338 | BMW-G.04 | Supply & Fixing 76.2 mm dia PVC elbow 1st quality | Each | 47 |
| 339 | BMW-G.05 | Supply & fixing 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality | Each | 26 |
| 340 | BMW-G.06 | Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet | Each | 89 |
| 341 | BMW-G.07 | Supply & fixing Fancy PVC shelf including all fittings | Each | 212 |
| 342 | BMW-G.08 | Supply & fixing of PVC low level system with internal components & short bend: 10 Litres capacity Single Flush | Each | 1,455 |
| 343 | BMW-G.09 | Supply & fixing of PVC low level system with internal components & short bend: 10 litres capacity Dual Flush | Each | 1,708 |
| 344 | BMW-G.10 | Supply & fixing of PVC low level system with internal components & short bend: 8 Litres capacity single Flush | Each | 823 |
| 345 | BMW-G.11 | 75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 255 |
| 346 | BMW-G.12 | 90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 405 |
| 347 | BMW-G.13 | 110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 484 |
| 348 | BMW-G.14 | 75 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 288 |
| 349 | BMW-G.15 | 90 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 459 |
| 350 | BMW-G.16 | 110 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 562 |
| 351 | BMW-G.17 | 75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 179 |
| 352 | BMW-G.18 | 90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 277 |
| 353 | BMW-G.19 | 110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 344 |
| 354 | BMW-G.20 | 75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 191 |

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| 355 | BMW-G.21 | 90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 294 |
| 356 | BMW-G.22 | 110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 356 |
| 357 | BMW-G.23 | 75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 132 |
| 358 | BMW-G.24 | 90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 202 |
| 359 | BMW-G.25 | 110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 243 |
| 360 | BMW-G.26 | 75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 111 |
| 361 | BMW-G.27 | 90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 163 |
| 362 | BMW-G.28 | 110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 210 |
| 363 | BMW-G.29 | 75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 67 |
| 364 | BMW-G.30 | 90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 112 |
| 365 | BMW-G.31 | 110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 140 |
| 366 | BMW-G.32 | 160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 1,153 |
| 367 | BMW-G.33 | 75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 432 |
| 368 | BMW-G.34 | 90 mm dia 3 M single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 696 |
| 369 | BMW-G.35 | 110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 828 |
| 370 | BMW-G.36 | 75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 473 |
| 371 | BMW-G.37 | 90 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 750 |
| 372 | BMW-G.38 | 110 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 914 |
| 373 | BMW-G.39 | 75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 284 |
| 374 | BMW-G.40 | 90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 441 |
| 375 | BMW-G.41 | 110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 525 |
| 376 | BMW-G.42 | 75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 303 |
| 377 | BMW-G.43 | 90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 459 |
| 378 | BMW-G.44 | 110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 567 |
| 379 | BMW-G.45 | 75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 205 |
| 380 | BMW-G.46 | 90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 318 |
| 381 | BMW-G.47 | 110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 387 |
| 382 | BMW-G.48 | 75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 177 |
| 383 | BMW-G.49 | 90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 260 |
| 384 | BMW-G.50 | 110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 314 |
| 385 | BMW-G.51 | 75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 114 |
| 386 | BMW-G.52 | 90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 178 |
| 387 | BMW-G.53 | 110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 227 |
| 388 | BMW-G.54 | 160 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 1,885 |
| 389 | BMW-G.55 | 75 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 50 |
| 390 | BMW-G.56 | 90 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 70 |
| 391 | BMW-G.57 | 110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 83 |
| 392 | BMW-G.58 | 75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 67 |
| 393 | BMW-G.59 | 90 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 95 |
| 394 | BMW-G.60 | 110 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 107 |
| 395 | BMW-G.61 | 75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings | Each | 39 |
| 396 | BMW-G.62 | 90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings | Each | 54 |
| 397 | BMW-G.63 | 110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings | Each | 70 |
| 398 | BMW-G.64 | 75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings | Each | 67 |
| 399 | BMW-G.65 | 90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings | Each | 98 |
| 400 | BMW-G.66 | 110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings | Each | 118 |
| 401 | BMW-G.67 | 75 mm dia - Single Tee - UPVC/SWR Pipe fittings | Each | 59 |
| 402 | BMW-G.68 | 90 mm dia - Single Tee - UPVC/SWR Pipe fittings | Each | 89 |
| 403 | BMW-G.69 | 110 mm dia - Single Tee - UPVC/SWR Pipe fittings | Each | 108 |
| 404 | BMW-G.70 | 75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings | Each | 73 |
| 405 | BMW-G.71 | 90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings | Each | 108 |
| 406 | BMW-G.72 | 110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings | Each | 130 |
| 407 | BMW-G.73 | 75 mm dia - Double Tee - UPVC/SWR Pipe fittings | Each | 125 |
| 408 | BMW-G.74 | 90 mm dia - Double Tee - UPVC/SWR Pipe fittings | Each | 183 |
| 409 | BMW-G.75 | 110 mm dia - Double Tee - UPVC/SWR Pipe fittings | Each | 260 |
| 410 | BMW-G.76 | 75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings | Each | 200 |
| 411 | BMW-G.77 | 90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings | Each | 286 |
| 412 | BMW-G.78 | 110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings | Each | 295 |
| 413 | BMW-G.79 | 75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings | Each | 74 |
| 414 | BMW-G.80 | 90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings | Each | 118 |
| 415 | BMW-G.81 | 110 mm dia - Single "Y" - UPVC/SWR Pipe fittings | Each | 136 |
| 416 | BMW-G.82 | 75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings | Each | 95 |
| 417 | BMW-G.83 | 90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings | Each | 149 |
| 418 | BMW-G.84 | 110 mm dia - Single "Y" with Door - UPVC/SWR Pipe fittings | Each | 171 |
| 419 | BMW-G.85 | 75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings | Each | 102 |
| 420 | BMW-G.86 | 90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings | Each | 158 |
| 421 | BMW-G.87 | 110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings | Each | 179 |
| 422 | BMW-G.88 | 75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings | Each | 132 |

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| 423 | BMW-G.89 | 90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings | Each | 206 |
| 424 | BMW-G.90 | 110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings | Each | 231 |
| 425 | BMW-G.91 | 75 mm dia - Coupler - UPVC/SWR Pipe fittings | Each | 35 |
| 426 | BMW-G.92 | 90 mm dia - Coupler - UPVC/SWR Pipe fittings | Each | 51 |
| 427 | BMW-G.93 | 110 mm dia - Coupler - UPVC/SWR Pipe fittings | Each | 57 |
| 428 | BMW-G.94 | 90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings | Each | 59 |
| 429 | BMW-G.95 | 110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings | Each | 57 |
| 430 | BMW-G.96 | 90 x 110 mm dia - Reducer - UPVC/SWR Pipe fittings | Each | 79 |
| 431 | BMW-G.97 | 63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 9 |
| 432 | BMW-G.98 | 75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 14 |
| 433 | BMW-G.99 | 90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 17 |
| 434 | BMW-G.100 | 110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 19 |
| 435 | BMW-G.101 | 40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings - Pipe Clip - UPVC/SWR Pipe fittings | Each | 11 |
| 436 | BMW-G.102 | 50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 14 |
| 437 | BMW-G.103 | 63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 14 |
| 438 | BMW-G.104 | 75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 15 |
| 439 | BMW-G.105 | 90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 17 |
| 440 | BMW-G.106 | 110 mm - Pipe Clip - UPVC/SWR Pipe fittings | Each | 18 |
| 441 | BMW-G.107 | 160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 35 |
| 442 | BMW-G.108 | P' Trap (Small without Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 188 |
| 443 | BMW-G.109 | P' Trap (Small with Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 208 |
| 444 | BMW-G.110 | P' Trap (Big with Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 238 |
| 445 | BMW-G.111 | P' Trap (Big without Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 219 |
| 446 | BMW-G.112 | Floor Trap (Bell Mouth) 110 mm - UPVC/SWR Pipe fittings | Each | 227 |
| 447 | BMW-G.113 | Bell Mouth Trap 7 " (177.8 mm) - UPVC/SWR Pipe fittings | Each | 330 |
| 448 | BMW-G.114 | 4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings | Each | 112 |
| 449 | BMW-G.115 | 3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings | Each | 87 |
| 450 | BMW-G.116 | 4" (101.6 mm) Nahany Trap (without inlet with out Jali)UPVC/SWR Pipe fittings | Each | 108 |
| 451 | BMW-G.117 | Mini Trap - UPVC/SWR Pipe fittings | Each | 53 |
| 452 | BMW-G.118 | 3" (76.2 mm) Nahany Trap with Jali - UPVC/SWR Pipe fittings | Each | 102 |
| 453 | BMW-G.119 | 4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings | Each | 144 |
| 454 | BMW-G.120 | 4" (101.6) multi floor trap with out Jalli- UPVC/SWR Pipe fittings | Each | 112 |
| 455 | BMW-G.121 | Round Jali - UPVC/SWR Pipe fittings | Each | 24 |
| 456 | BMW-G.122 | Square tile & Jalli - UPVC/SWR Pipe fittings | Each | 39 |
| 457 | BMW-G.123 | Pipe connector (with LIP ring) - UPVC/SWR Pipe fittings | Each | 151 |
| 458 | BMW-G.124 | Pipe connector (with out LIP ring) - UPVC/SWR Pipe fittings | Each | 117 |
| 459 | BMW-G.125 | 4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings | Each | 138 |
| 460 | BMW-G.126 | 5" (127.mm) floor Trap - UPVC/SWR Pipe fittings | Each | 146 |
| 461 | BMW-G.127 | 75 mm dia - Door cap - UPVC/SWR Pipe fittings | Each | 57 |
| 462 | BMW-G.128 | 90 mm dia - Door cap - UPVC/SWR Pipe fittings | Each | 64 |
| 463 | BMW-G.129 | 110 mm dia - Door cap - UPVC/SWR Pipe fittings | Each | 74 |
| 464 | BMW-G.130 | 75 mm dia - Socket plug - UPVC/SWR Pipe fittings | Each | 53 |
| 465 | BMW-G.131 | 90 mm dia - Socket plug - UPVC/SWR Pipe fittings | Each | 61 |
| 466 | BMW-G.132 | 110 mm dia - Socket plug - UPVC/SWR Pipe fittings | Each | 64 |
| 467 | BMW-G.133 | 75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings | Each | 8 |
| 468 | BMW-G.134 | 90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings | Each | 9 |
| 469 | BMW-G.135 | 110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings | Each | 11 |
| 470 | BMW-G.136 | 75 mm dia - Door Socket - UPVC/SWR Pipe fittings | Each | 9 |
| 471 | BMW-G.137 | 90 mm dia - Door Socket - UPVC/SWR Pipe fittings | Each | 11 |
| 472 | BMW-G.138 | 110 mm dia - Door Socket - UPVC/SWR Pipe fittings | Each | 14 |
| 473 | BMW-G.139 | LIP ring 110 mm - UPVC/SWR Pipe fittings | Each | 69 |
| 474 | BMW-G.140 | Rubber Lubricant - 100 Grams | Each | 29 |
| 475 | BMW-G.141 | Rubber Lubricant - 250 Grams | Each | 65 |
| 476 | BMW-G.142 | Rubber Lubricant - 500 Grams | Each | 118 |
| 477 | BMW-G.143 | Rubber Lubricant - 1000 Grams | Each | 219 |
| 478 | BMW-G.144 | P' Trap with lip UPVC/SWR Pipe fittings | Each | 298 |
| 479 | BMW-G.145 | 50 ml - Solvent Cement | Each | 15 |
| 480 | BMW-G.146 | 100 ml - Solvent Cement | Each | 25 |
| 481 | BMW-G.147 | 250 ml - Solvent Cement | Each | 59 |
| 482 | BMW-G.148 | 500 ml - Solvent Cement | Each | 116 |
| 483 | BMW-G.149 | 1000 ml - Solvent Cement | Each | 227 |
| 484 | BMW-G.150 | 110mm x 90 mm - Internal Reducer - UPVC/SWR Pipe fittings | Each | 90 |
| 485 | BMW-G.151 | 160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings | Each | 224 |
| 486 | BMW-G.152 | Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with solvent jointing as per standard practice | 1 RM | 70 |
| H | | CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 - 1984 | | |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|---|------|----------------------|
| 487 | BMW-H.01 | 75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) | Each | 1,500 |
| 488 | BMW-H.02 | 100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) | Each | 1,997 |
| 489 | BMW-H.03 | 150 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) | Each | 3,661 |
| 490 | BMW-H.04 | 75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket | Each | 1,665 |
| 491 | BMW-H.05 | 100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket | Each | 2,247 |
| 492 | BMW-H.06 | 75 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes | Each | 1,349 |
| 493 | BMW-H.07 | 100 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes | Each | 1,802 |
| 494 | BMW-H.08 | 75 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes | Each | 1,207 |
| 495 | BMW-H.09 | 100 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes | Each | 1,604 |
| 496 | BMW-H.10 | 75 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes | Each | 982 |
| 497 | BMW-H.11 | 100 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes | Each | 1,281 |
| 498 | BMW-H.12 | 75 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes | Each | 1,032 |
| 499 | BMW-H.13 | 100 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes | Each | 1,281 |
| 500 | BMW-H.14 | 75 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings | Each | 358 |
| 501 | BMW-H.15 | 100 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings | Each | 411 |
| 502 | BMW-H.16 | 75 mm dia Cut pipes (pieces) 1'6" (457.2 mm) CI (Spun) fittings | Each | 513 |
| 503 | BMW-H.17 | 100 mm dia Cut pipes (pieces) 1'6" (457.2 mm) CI (Spun) fittings | Each | 589 |
| 504 | BMW-H.18 | 150 mm dia Cut pipes (pieces) 1'6" (457.2 mm) CI (Spun) fittings | Each | 1,125 |
| 505 | BMW-H.19 | 75 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings | Each | 707 |
| 506 | BMW-H.20 | 100 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings | Each | 781 |
| 507 | BMW-H.21 | 150 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings | Each | 1,409 |
| 508 | BMW-H.22 | 75 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings | Each | 1,084 |
| 509 | BMW-H.23 | 100 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings | Each | 1,463 |
| 510 | BMW-H.24 | 75 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings | Each | 1,193 |
| 511 | BMW-H.25 | 100 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings | Each | 1,785 |
| 512 | BMW-H.26 | 75 mm dia Plain Bend - CI (Spun) fittings | Each | 368 |
| 513 | BMW-H.27 | 100 mm dia Plain Bend - CI (Spun) fittings | Each | 433 |
| 514 | BMW-H.28 | 150 mm dia Plain Bend - CI (Spun) fittings | Each | 1,033 |
| 515 | BMW-H.29 | 75 mm dia Door Bend - CI (Spun) fittings | Each | 381 |
| 516 | BMW-H.30 | 100 mm dia Door Bend - CI (Spun) fittings | Each | 494 |
| 517 | BMW-H.31 | 150 mm dia Door Bend - CI (Spun) fittings | Each | 1,130 |
| 518 | BMW-H.32 | 75 mm dia Plain Bend 45 Degrees - CI (Spun) fittings | Each | 368 |
| 519 | BMW-H.33 | 100 mm dia Plain Bend 45 Degrees - CI (Spun) fittings | Each | 433 |
| 520 | BMW-H.34 | 150 mm dia Plain Bend 45 Degrees - CI (Spun) fittings | Each | 1,033 |
| 521 | BMW-H.35 | 75 mm dia Door Bend 45 Degrees - CI (Spun) fittings | Each | 381 |
| 522 | BMW-H.36 | 100 mm dia Door Bend 45 Degrees - CI (Spun) fittings | Each | 494 |
| 523 | BMW-H.37 | 150 mm dia Door Bend 45 Degrees - CI (Spun) fittings | Each | 1,130 |
| 524 | BMW-H.38 | Horn Bend Plain 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings | Each | 750 |
| 525 | BMW-H.39 | Horn Bend door 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings | Each | 875 |
| 526 | BMW-H.40 | 75 mm dia Heel Rest Bend - CI (Spun) fittings | Each | 392 |
| 527 | BMW-H.41 | 100 mm dia Heel Rest Bend - CI (Spun) fittings | Each | 501 |
| 528 | BMW-H.42 | 150 mm dia Heel Rest Bend - CI (Spun) fittings | Each | 1,065 |
| 529 | BMW-H.43 | 75 mm dia Single Branch Plain "T" - CI (Spun) fittings | Each | 494 |
| 530 | BMW-H.44 | 100 mm dia Single Branch Plain "T" - CI (Spun) fittings | Each | 666 |
| 531 | BMW-H.45 | 150 mm dia Single Branch Plain "T" - CI (Spun) fittings | Each | 1,375 |
| 532 | BMW-H.46 | 75 mm dia Single Branch Door "T" - CI (Spun) fittings | Each | 582 |
| 533 | BMW-H.47 | 100 mm dia Single Branch Door "T" - CI (Spun) fittings | Each | 773 |
| 534 | BMW-H.48 | 150 mm dia Single Branch Door "T" - CI (Spun) fittings | Each | 1,452 |
| 535 | BMW-H.49 | 75 mm dia Single Branch plain "Y" - CI (Spun) fittings | Each | 582 |
| 536 | BMW-H.50 | 100 mm dia Single Branch plain "Y" - CI (Spun) fittings | Each | 773 |
| 537 | BMW-H.51 | 150 mm dia Single Branch plain "Y" - CI (Spun) fittings | Each | 1,704 |
| 538 | BMW-H.52 | 75 mm dia Single Branch Door "Y" - CI (Spun) fittings | Each | 638 |
| 539 | BMW-H.53 | 100 mm dia Single Branch Door "Y" - CI (Spun) fittings | Each | 853 |
| 540 | BMW-H.54 | 150 mm dia Single Branch Door "Y" - CI (Spun) fittings | Each | 1,836 |
| 541 | BMW-H.55 | 75 mm dia Double Branch Plain "T" - CI (Spun) fittings | Each | 675 |
| 542 | BMW-H.56 | 100 mm dia Double Branch Plain "T" - CI (Spun) fittings | Each | 908 |
| 543 | BMW-H.57 | 75 mm dia Double Branch Door "T" - CI (Spun) fittings | Each | 752 |
| 544 | BMW-H.58 | 100 mm dia Double Branch Door "T" - CI (Spun) fittings | Each | 947 |
| 545 | BMW-H.59 | 75 mm dia Double Branch Plain "Y" - CI (Spun) fittings | Each | 752 |
| 546 | BMW-H.60 | 100 mm dia Double Branch Plain "Y" - CI (Spun) fittings | Each | 947 |
| 547 | BMW-H.61 | 75 mm dia Double Branch Door "Y" - CI (Spun) fittings | Each | 793 |
| 548 | BMW-H.62 | 100 mm dia Double Branch Door "Y" - CI (Spun) fittings | Each | 1,028 |
| 549 | BMW-H.63 | 75 mm dia Shoe Bend - CI (Spun) fittings | Each | 465 |
| 550 | BMW-H.64 | 100 mm dia Shoe Bend - CI (Spun) fittings | Each | 544 |
| 551 | BMW-H.65 | 150 mm dia Shoe Bend - CI (Spun) fittings | Each | 1,105 |
| 552 | BMW-H.66 | 75 mm dia Collar - CI (Spun) fittings | Each | 318 |
| 553 | BMW-H.67 | 100 mm dia Collar - CI (Spun) fittings | Each | 386 |
| 554 | BMW-H.68 | 150 mm dia Collar - CI (Spun) fittings | Each | 793 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|--|------|----------------------|
| 555 | BMW-H.69 | 75 mm dia Cowl - CI (Spun) fittings | Each | 281 |
| 556 | BMW-H.70 | 100 mm dia Cowl - CI (Spun) fittings | Each | 318 |
| 557 | BMW-H.71 | 150 mm dia Cowl - CI (Spun) fittings | Each | 714 |
| 558 | BMW-H.72 | 75 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings | Each | 407 |
| 559 | BMW-H.73 | 100 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings | Each | 494 |
| 560 | BMW-H.74 | 150 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings | Each | 997 |
| 561 | BMW-H.75 | 75 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings | Each | 445 |
| 562 | BMW-H.76 | 100 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings | Each | 582 |
| 563 | BMW-H.77 | 150 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings | Each | 1,161 |
| 564 | BMW-H.78 | 75 mm dia Long Door Bend - CI (Spun) fittings | Each | 936 |
| 565 | BMW-H.79 | 100 mm dia Long Door Bend - CI (Spun) fittings | Each | 1,007 |
| 566 | BMW-H.80 | 75 mm dia Hand Hole pipe (Inspection pipe) | Each | 538 |
| 567 | BMW-H.81 | 100 mm dia Hand Hole pipe (Inspection pipe) | Each | 732 |
| 568 | BMW-H.82 | 150 mm dia Hand Hole pipe (Inspection pipe) | Each | 975 |
| 569 | BMW-H.83 | 75 mm dia P Traps - CI (Spun) fittings | Each | 582 |
| 570 | BMW-H.84 | 100 mm dia P Traps - CI (Spun) fittings | Each | 798 |
| 571 | BMW-H.85 | 4" x 3" (101.6 mm x 76.2mm) P. Traps 100 mm dia - CI (Spun) fittings | Each | 915 |
| 572 | BMW-H.86 | 4" x 3" (101.6 mm x 76.2mm) Vent Traps 100 mm dia - CI (Spun) fittings | Each | 915 |
| 573 | BMW-H.87 | 4" x 3" (101.6 mm x 76.2mm) Reducer 75 mm dia - CI (Spun) fittings | Each | 568 |
| 574 | BMW-H.88 | 6" x 4" (152.4 mm x101.6 mm) Reducer 75 mm dia - CI (Spun) fittings | Each | 778 |
| 575 | BMW-H.89 | 3" x 2" (76.2 mm x 50.8 mm) plain T 75 mm dia - CI (Spun) fittings | Each | 486 |
| 576 | BMW-H.90 | 3" x 2" (76.2 mm x 50.8 mm) Door T 75 mm dia - CI (Spun) fittings | Each | 758 |
| 577 | BMW-H.91 | 3" x 2" (76.2 mm x 50.8 mm) Plain Y 75 mm dia - CI (Spun) fittings | Each | 758 |
| 578 | BMW-H.92 | 3" x 2" (76.2 mm x 50.8 mm) Door Y 75 mm dia - CI (Spun) fittings | Each | 758 |
| 579 | BMW-H.93 | 4" x 3" (101.6 mm x 76.2mm) Plain T 75 mm dia - CI (Spun) fittings | Each | 758 |
| 580 | BMW-H.94 | 4" x 3" (101.6 mm x 76.2mm) Door T 75 mm dia - CI (Spun) fittings | Each | 803 |
| 581 | BMW-H.95 | 4" x 3" (101.6 mm x 76.2mm) Plain Y 75 mm dia - CI (Spun) fittings | Each | 803 |
| 582 | BMW-H.96 | 4" x 3" (101.6 mm x 76.2mm) Door Y 75 mm dia - CI (Spun) fittings | Each | 857 |
| 583 | BMW-H.97 | 6" x 4" (152.4 mm x101.6 mm) Plain T 75 mm dia - CI (Spun) fittings | Each | 1,122 |
| 584 | BMW-H.98 | 6" x 4" (152.4 mm x101.6 mm) Door T 75 mm dia - CI (Spun) fittings | Each | 1,216 |
| 585 | BMW-H.99 | 6" x 4" (152.4 mm x101.6 mm) Plain Y 75 mm dia - CI (Spun) fittings | Each | 1,286 |
| 586 | BMW-H.100 | 6" x 4" (152.4 mm x101.6 mm) Door Y 75 mm dia - CI (Spun) fittings | Each | 1,572 |
| 587 | BMW-H.101 | 75 mm dia Plain " T" 27 " (685.8 mm) Special Types of Long Fittings | Each | 1,629 |
| 588 | BMW-H.102 | 100 mm dia - Plain " T" 27 " (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2,288 |
| 589 | BMW-H.103 | 75 mm dia Door "T" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 1,819 |
| 590 | BMW-H.104 | 100mm dia Door "T" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2,514 |
| 591 | BMW-H.105 | 75 mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 1,819 |
| 592 | BMW-H.106 | 100mm dia Plain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2,514 |
| 593 | BMW-H.107 | 75 mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2,028 |
| 594 | BMW-H.108 | 100mm dia Door " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2,760 |
| I | | MISCELLANEOUS ITEMS | | |
| 595 | BMW-I.01 | a) Supplying & Fixing solder joints up to 50.8 mm dia | Each | 66 |
| 596 | BMW-I.02 | b) - do - labour charges only | Each | 19 |
| 597 | BMW-I.03 | a) Supplying & Fixing solution joints up to 50.8 dia 1st quality. | Each | 13 |
| 598 | BMW-I.04 | b) - do - labour charges only | Each | 2 |
| 599 | BMW-I.05 | Chiselling the stone masonry wall for fixing of wooden blocks including finishing as directed by the department | Each | 30 |
| 600 | BMW-I.06 | Chiselling the stone masonry wall and repairs as directed by the department. | 1 Rm | 143 |
| 601 | BMW-I.07 | Chiselling the brick masonry wall and repairs as directed by the department. | 1 Rm | 30 |
| 602 | BMW-I.08 | a) S & F NP telephonic shower spray set & valve mixer with rest and all fittings complete (ARK/ESSCO or equivalent make) | Each | 2,167 |
| 603 | BMW-I.09 | b) - do - labour charges only | Each | 401 |
| 604 | BMW-I.10 | a) S & F NP shower spray fancy with NP Flexible pipe | Each | 576 |
| 605 | BMW-I.11 | b) - do - labour charges only | Each | 133 |
| 606 | BMW-I.12 | a) S & F NP cover for Nahany trap | Each | 31 |
| 607 | BMW-I.13 | b) - do - labour charges only | Each | 19 |
| 608 | BMW-I.14 | a) Painting the flushing tank with white enamel paint | Each | 113 |
| 609 | BMW-I.15 | b) - do - labour charges only | Each | 64 |
| 610 | BMW-I.16 | S & F internal fittings for flush tank Parryplast wonder flush or equivalent | Each | 820 |
| 611 | BMW-I.17 | Repairing and over hauling flushing tank | Each | 94 |
| 612 | BMW-I.18 | a) Supplying & Fixing NP chain rubber and plug for basin | Each | 42 |
| 613 | BMW-I.19 | b) - do - labour charges only | Each | 8 |
| 614 | BMW-I.20 | a) S & F 25.4 mm dia & 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws | Each | 164 |
| 615 | BMW-I.21 | b) - do - labour charges only | Each | 44 |
| 616 | BMW-I.22 | a) S & F 19.04 mm dia & 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws | Each | 142 |
| 617 | BMW-I.23 | b) - do - labour charges only | Each | 67 |
| 618 | BMW-I.24 | a) S & F 609.6 mm long 127 mm wide plate glass shelf with superior quality | Each | 209 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|--|------|----------------------|
| | | aluminium railing complete with aluminium screws | | |
| 619 | BMW-I.25 | b) - do - labour charges only | Each | 56 |
| 620 | BMW-I.26 | a) S & F 609.6 mm long 127 mm wide plate glass shelf only | Each | 69 |
| 621 | BMW-I.27 | b) - do - labour charges only | Each | 11 |
| 622 | BMW-I.28 | a) S & F NP soap dish heavy type with NP SCREWS | Each | 243 |
| 623 | BMW-I.29 | b) - do - labour charges only | Each | 12 |
| 624 | BMW-I.30 | a) S & F NP holder brackets with screws | Each | 48 |
| 625 | BMW-I.31 | b) - do - labour charges only | Each | 14 |
| 626 | BMW-I.32 | a) S & F liquid soap container NP metallic with NP brackets and screws. | Each | 243 |
| 627 | BMW-I.33 | b) - do - labour charges only | Each | 22 |
| 628 | BMW-I.34 | a) S & F 31.75 mm C.P TRAPS | Each | 314 |
| 629 | BMW-I.35 | b) - do - labour charges only | Each | 44 |
| 630 | BMW-I.36 | a) Supplying & fixing 88.9 mm A.C cowls | Each | 71 |
| 631 | BMW-I.37 | b) - do - labour charges only | Each | 14 |
| 632 | BMW-I.38 | a) Supplying & fixing A.C Cowl 63.5 mm dia | Each | 48 |
| 633 | BMW-I.39 | b) - do - labour charges only | Each | 11 |
| 634 | BMW-I.40 | Removing and refixing W.C s | Each | 228 |
| 635 | BMW-I.41 | Removing and refixing wash hand basins of any size with fittings complete | Each | 220 |
| 636 | BMW-I.42 | a) S & F 76.2 x 101.6 mm teak wood block complete | Each | 26 |
| 637 | BMW-I.43 | b) - do - labour charges only | Each | 9 |
| 638 | BMW-I.44 | Cutting holes in C.C; basement & repairs Labour charges only | Each | 107 |
| 639 | BMW-I.45 | Cutting holes in stone masonry & basement and repairs Labour charges only | Each | 72 |
| 640 | BMW-I.46 | Cutting holes in Brick masonry & repairs Labour charges only | Each | 47 |
| 641 | BMW-I.47 | Cutting holes in RCC slab floor & repairs Labour charges only | Each | 72 |
| 642 | BMW-I.48 | a) Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated | Each | 102 |
| 643 | BMW-I.49 | b) - do - labour charges only | Each | 20 |
| 644 | BMW-I.50 | a) S & F 12.7 mm .M.P couplings | Each | 35 |
| 645 | BMW-I.51 | b) - do - labour charges only | Each | 11 |
| 646 | BMW-I.52 | a) S & F 19.05 mm M.P couplings | Each | 42 |
| 647 | BMW-I.53 | b) - do - labour charges only | Each | 11 |
| 648 | BMW-I.54 | a) S& F MP coupling 25.4 mm dia | Each | 95 |
| 649 | BMW-I.55 | a) S & F PVC Rubber adopter for LLC and bend | Each | 19 |
| 650 | BMW-I.56 | b) - do - labour charges only | Each | 8 |
| 651 | BMW-I.57 | a) S & F 31.75 mm Brass union nuts | Each | 35 |
| 652 | BMW-I.58 | b) - do - labour charges only | Each | 7 |
| 653 | BMW-I.59 | a) S & F 38.1 mm Brass union nuts | Each | 37 |
| 654 | BMW-I.60 | b) - do - labour charges only | Each | 9 |
| 655 | BMW-I.61 | a) Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m size CI frame and hinged cover. | Each | 474 |
| 656 | BMW-I.62 | b) - do - labour charges only | Each | 100 |
| 657 | BMW-I.63 | a) Constructing Brick masonry support for G.I pipe with C.M 304.8 x 228.6 x228.6 mm size including plastering and finishing etc. complete. | Each | 76 |
| 658 | BMW-I.64 | b) - do - labour charges only | Each | 22 |
| 659 | BMW-I.65 | a) Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully taps | Each | 124 |
| 660 | BMW-I.66 | b) - do - labour charges only | Each | 35 |
| 661 | BMW-I.67 | a) Supplying & fixing CI Nahany trap grating | Each | 20 |
| 662 | BMW-I.68 | b) - do - labour charges only | Each | 11 |
| 663 | BMW-I.69 | a) Supplying & fixing CI gully trap grating | Each | 50 |
| 664 | BMW-I.70 | b) - do - labour charges only | Each | 11 |
| 665 | BMW-I.71 | a) Supplying & fixing valves for brass ball cocks 25.4 mm dia | Each | 19 |
| 666 | BMW-I.72 | b) - do - labour charges only | Each | 9 |
| 667 | BMW-I.73 | a) Supplying & fixing 12.7 m valve for bib tap or stop cocks | Each | 18 |
| 668 | BMW-I.74 | b) - do - labour charges only | Each | 7 |
| 669 | BMW-I.75 | a) Supplying & fixing 19.05 m valve for bib tap or stop cocks | Each | 39 |
| 670 | BMW-I.76 | b) - do - labour charges only | Each | 11 |
| 671 | BMW-I.77 | Removing 12.7 mm GI pipe and refixing the same | Mr. | 68 |
| 672 | BMW-I.78 | Removing 19.05 mm GI pipe and refixing the same | Mr. | 75 |
| 673 | BMW-I.79 | Removing 25.4 mm GI pipe and refixing the same | Mr. | 112 |
| 674 | BMW-I.80 | Removing 38.1 mm GI pipe and refixing the same | Rm | 142 |
| 675 | BMW-I.81 | Removing 50.8 mm GI pipe and refixing the same | Rm | 166 |
| 676 | BMW-I.82 | Cleaning the W.C with acid and Vim powder | Each | 46 |
| 677 | BMW-I.83 | Cleaning the Urinal with acid and Vim power | Each | 46 |
| 678 | BMW-I.84 | Cleaning the wash basin with acid and Vim powder | Each | 46 |
| 679 | BMW-I.85 | Cleaning the E.W.C with acid and Vim power | Each | 46 |
| 680 | BMW-I.86 | Supplying & fixing 914.4 x 457.2 mm CI man hole frame and cover (light weight) 30 Kgs | Each | 2020 |
| 681 | BMW-I.87 | Supplying & fixing 602 x 602 mm CI man hole frame and cover (light weight) 30 Kgs | Each | 3003 |
| 682 | BMW-I.88 | b) - do - labour charges only | Each | 140 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|---|----------|----------------------|
| 683 | BMW-I.89 | a) Supplying & fixing CI steps for septic tank. | Each | 65 |
| 684 | BMW-I.90 | b) - do - labour charges only | Each | 11 |
| 685 | BMW-I.91 | a) Supplying & fixing 50.8 cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (20 Kgs - Light weight) | Each | 1299 |
| 686 | BMW-I.92 | b) - do - labour charges only | Each | 140 |
| 687 | BMW-I.93 | a) Supplying & fixing 50.8 cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (Medium weight) as per IS:1726 - 40 Kgs | Each | 2683 |
| 688 | BMW-I.94 | b) - do - labour charges only | Each | 356 |
| 689 | BMW-I.95 | Cost. 50.8 mm thick RCM baffle wall with 2.267 Kg steel & rabbit wire mesh in CM 1:3 with fine rendering in neat cement labour charges Only | 1 Sqm | 251 |
| 690 | BMW-I.96 | a) Cost. 50.8 mm RCC partition wall | 1 Sqm | 273 |
| 691 | BMW-I.97 | b) - do - labour charges only | 1 Sqm | 44 |
| 692 | BMW-I.98 | a) S & F double layer of bamboo matting tarred on both sides. | 10 Sqm | 624 |
| 693 | BMW-I.99 | b) - do - labour charges only | 10 Sqm | 123 |
| 694 | BMW-I.100 | Removing of 101.6 m or 76.2 mm CI pipe | 1 RM | 36 |
| 695 | BMW-I.101 | a) Supplying & fixing 76.2 mm W.I clamps | Each | 25 |
| 696 | BMW-I.102 | b) - do - labour charges only | Each | 9 |
| 697 | BMW-I.103 | a) Supplying & fixing NP coat hook | Each | 47 |
| 698 | BMW-I.104 | b) - do - labour charges only | Each | 11 |
| 699 | BMW-I.105 | a) Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm | Each | 513 |
| 700 | BMW-I.106 | b) - do - labour charges only | Each | 116 |
| 701 | BMW-I.107 | a) Supplying & fixing GI pipe plug of size 12.7 mm dia | Each | 10 |
| 702 | BMW-I.108 | b) - do - labour charges only | Each | 1 |
| 703 | BMW-I.109 | a) Supplying & fixing 19.06 mm dia GI plug | Each | 14 |
| 704 | BMW-I.110 | b) - do - labour charges only | Each | 1 |
| 705 | BMW-I.111 | a) Supplying and fixing 38.1 mm dia of GI plug | Each | 72 |
| 706 | BMW-I.112 | b) - do - labour charges only | Each | 9 |
| 707 | BMW-I.113 | a) Supplying & fixing 50.8 mm dia of GI PLUG | Each | 110 |
| 708 | BMW-I.114 | b) - do - labour charges only | Each | 11 |
| 709 | BMW-I.115 | a) Supplying & fixing 76.2 mm dia of GI PLUG | Each | 200 |
| 710 | BMW-I.116 | b) - do - labour charges only | Each | 19 |
| 711 | BMW-I.117 | a) Supplying & fixing C.P flange. | Each | 26 |
| 712 | BMW-I.118 | b) - do - labour charges only | Each | 8 |
| 713 | BMW-I.119 | a) Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories | Each | 7552 |
| 714 | BMW-I.120 | b) - do - labour charges only | Each | 506 |
| 715 | BMW-I.121 | a) Supplying & fixing SINGLE BOWL stainless steel sink size 24"x18"x8 " (609.6 x 457.2 x 203.2mm) 1 mm thick with accessories | Each | 5935 |
| 716 | BMW-I.122 | b) - do - labour charges only | Each | 491 |
| 717 | BMW-I.123 | a) Supplying & fixing stainless steel sink size 20" x18" x 8 " (508x457.2x203.2mm) 1 mm thick with accessories | Each | 5396 |
| 718 | BMW-I.124 | b) - do - labour charges only | Each | 449 |
| 719 | BMW-I.125 | Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing. | Each | 545 |
| 720 | BMW-I.126 | Supply & Fixing of steel surgical long elbow action handle 12.7 mm dia bib cock Indian make heavy type including all materials | Each | 990 |
| 721 | BMW-I.127 | Supply & fixing 2 1/2" (63.5mm) dia Sluice valve ISI mark with 2 Nos. flanges, 8 nos, 3/4" dia nuts & bolts and all necessary washers and packing materials etc. complete | Each | 5,420 |
| 722 | BMW-I.128 | Supply & fixing porcelain P' trap | Each | 233 |
| 723 | BMW-I.129 | Supplying & fixing oval shape basin white (520x410mm) parry or equivalent | Each | 2,481 |
| 724 | BMW-I.130 | Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting | Each | 734 |
| 725 | BMW-I.131 | Supply & fixing cp spl. Grating with frame and cover of 1 st quality | Each | 63 |
| 726 | BMW-I.132 | Supply & fixing towel rod (CP) of 24" long and 3/4 " dia | Each | 396 |
| 727 | BMW-I.133 | Supply & fixing of LLC handle set 1st quality | Each | 79 |
| 728 | BMW-I.134 | Mechanical Cleaning of water sumps with pumps & UV disinfecting | 1000 Lit | 55 |
| 729 | BMW-I.135 | Supply & fixing 4" dia CP thimble pipe: 150 mm long | Each | 413 |
| 730 | BMW-I.136 | Supply & fixing 4" dia CP thimble pipe: 220 mm long | Each | 617 |
| 731 | BMW-I.137 | Supply & fixing 4" dia CP thimble pipe: 300 mm long | Each | 824 |
| 732 | BMW-I.138 | Supply & fixing CP long bend | Each | 349 |
| 733 | BMW-I.139 | Supply & fixing CP short bend | Each | 175 |
| 734 | BMW-I.140 | Supplying & fixing 15 mm bib tap with flange Chromeum plated Jaquar make | Each | 1,721 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|---|------|----------------------|
| | | queen series | | |
| 735 | BMW-I.141 | Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty Chrome plated | Each | 4,360 |
| 736 | BMW-I.142 | Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty: Ivory gold | Each | 7,332 |
| 737 | BMW-I.143 | Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 1,806 |
| 738 | BMW-I.144 | Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold | Each | 3,084 |
| 739 | BMW-I.145 | Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 1,783 |
| 740 | BMW-I.146 | Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold | Each | 3,453 |
| 741 | BMW-I.147 | Supply & fixing Waste coupling 32 mm size full thread with 80 mm height Jaquar make with 7 years warranty: Chrome plated | Each | 400 |
| 742 | BMW-I.148 | Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated | Each | 1,704 |
| 743 | BMW-I.149 | Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold | Each | 2,882 |
| 744 | BMW-I.150 | Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated | Each | 419 |
| 745 | BMW-I.151 | Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Ivory gold | Each | 811 |
| 746 | BMW-I.152 | Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquar make queen series with 7 years warranty: Chrome plated | Each | 5,509 |
| 747 | BMW-I.153 | Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquar make queen series with 7 years warranty: Ivory gold | Each | 8,666 |
| 748 | BMW-I.154 | Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty: Chrome plated | Each | 2,556 |
| 749 | BMW-I.155 | Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty: Ivory Gold | Each | 3,745 |
| 750 | BMW-I.156 | Supply and Fixing Wall Mixer with Telephonic shower arrangement with crutch and flexible pipe Jaquar series Ivory gold colour for bath tub. with 7 years warranty | Each | 14,600 |
| 751 | BMW-I.157 | Supply & fixing Bath tub overflow set complete with over flow cap, 450 mm Ball chain with rubber plug & union bend with brass nut Jaquar make, Ivory gold colour. with 7 years warranty | Each | 1,778 |
| 752 | BMW-I.158 | Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty | Each | 2,554 |
| 753 | BMW-I.159 | Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated | Each | 1,676 |
| 754 | BMW-I.160 | Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Ivory Gold | Each | 2,460 |
| 755 | BMW-I.161 | Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated | Each | 1,350 |
| 756 | BMW-I.162 | Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold | Each | 2,377 |
| 757 | BMW-I.163 | Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 1,269 |
| 758 | BMW-I.164 | Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold | Each | 2,073 |
| 759 | BMW-I.165 | Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 944 |
| 760 | BMW-I.166 | Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty: Ivory Gold | Each | 1,954 |
| 761 | BMW-I.167 | Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty | Each | 3,240 |
| 762 | BMW-I.168 | Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty | Each | 2,271 |
| 763 | BMW-I.169 | Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty | Each | 4,428 |
| 764 | BMW-I.170 | Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Continental series, Chrome Finish with 7 years warranty | Each | 3,213 |
| 765 | BMW-I.171 | Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty | Each | 944 |
| 766 | BMW-I.172 | Supply & Fixing of Pillar cock Jaquar Continental series, Chrome Finish with 7 years warranty | Each | 1,173 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|---------------|------------------|--|-------------|-----------------------------|
| 767 | BMW-I.173 | Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty | Each | 873 |
| 768 | BMW-I.174 | Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty | Each | 379 |
| 769 | BMW-I.175 | Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty | Each | 1,704 |
| 770 | BMW-I.176 | Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty | Each | 379 |
| 771 | BMW-I.177 | Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 4,126 |
| 772 | BMW-I.178 | Supply & Fixing of Exclusive overhead shower with 190mm long light body shower arm Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 1,762 |
| 773 | BMW-I.179 | Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Continental series Chrome colour for bath tub with 7 years warranty | Each | 5,761 |
| 774 | BMW-I.180 | Supply & Fixing bath tub over flow set complete with over flow cap, 450mm ball chain with rubber plug 7 Union bend with brass nuts Jaquar make, Chrome colour with 7 years warranty | Each | 1,345 |
| 775 | BMW-I.181 | Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty | Each | 1,660 |
| 776 | BMW-I.182 | Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty | Each | 1,308 |
| 777 | BMW-I.183 | Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 873 |
| 778 | BMW-I.184 | Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 1,004 |
| 779 | BMW-I.185 | Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 750 |
| 780 | BMW-I.186 | Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 1,621 |
| 781 | BMW-I.187 | Supply & Fixing of Tumbler holder Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 1,093 |
| 782 | BMW-I.188 | Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 2,149 |
| 783 | BMW-I.189 | Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty | Each | 3,844 |
| 784 | BMW-I.190 | Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty | Each | 1,296 |
| 785 | BMW-I.191 | Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty | Each | 1,296 |
| 786 | BMW-I.192 | Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty | Each | 1,275 |
| 787 | BMW-I.193 | Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty | Each | 1,704 |
| 788 | BMW-I.194 | Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Florentine(Quarter turn) series, Chrome finish with 7 years warranty | Each | 4,978 |
| 789 | BMW-I.195 | Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Florentine(Quarter turn) series Chrome colour for bath tub with 7 years warranty | Each | 7,503 |
| 790 | BMW-I.196 | Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Florentine(Quarter turn) series with 7 years warranty | Each | 1,989 |
| 791 | BMW-I.197 | Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty | Each | 2,113 |
| 792 | BMW-I.198 | Supply & Fixing of Jaquar make chrome plated Metro pole flush valve concealed type with cover plate 40mm size with 7 years warranty | Each | 3,700 |
| 793 | BMW-I.199 | Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty | Each | 14,532 |
| 794 | BMW-I.200 | Supply & fixing of Jaquar make Sensotronic concealed type flushing valve for urinal complete set with installation box with control cock, Chrome plated with 7 years warranty | Each | 14,532 |
| 795 | BMW-I.201 | Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty | Each | 2,408 |
| 796 | BMW-I.202 | Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty | Each | 2,526 |
| 797 | BMW-I.203 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, | 1 RM | 157 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|---|------|----------------------|
| | | reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 16 mm OD pipe | | |
| 798 | BMW-I.204 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 20 mm OD pipe | 1 RM | 195 |
| 799 | BMW-I.205 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 25mm OD pipe | 1 RM | 244 |
| 800 | BMW-I.206 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 32 mm OD pipe | 1 RM | 328 |
| 801 | BMW-I.207 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 40 mm OD pipe | 1 RM | 431 |
| 802 | BMW-I.208 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 50 mm OD pipe | 1 RM | 548 |
| 803 | BMW-I.209 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 16 mm OD pipe | 1 RM | 227 |
| 804 | BMW-I.210 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 20 mm OD pipe | 1 RM | 272 |
| 805 | BMW-I.211 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 25mm OD pipe | 1 RM | 336 |
| 806 | BMW-I.212 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 32 mm OD pipe | 1 RM | 443 |
| 807 | BMW-I.213 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 40 mm OD pipe | 1 RM | 575 |
| 808 | BMW-I.214 | S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 50 mm OD pipe | 1 RM | 726 |

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| | | spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 50 mm OD pipe | | |
| 809 | BMW-I.215 | S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 16 mm OD pipe | 1 RM | 185 |
| 810 | BMW-I.216 | S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 20 mm OD pipe | 1 RM | 220 |
| 811 | BMW-I.217 | S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 25mm OD pipe | 1 RM | 267 |
| 812 | BMW-I.218 | S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 32 mm OD pipe | 1 RM | 345 |
| 813 | BMW-I.219 | S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 40 mm OD pipe | 1 RM | 442 |
| | | Supply and Fixing of Premium make CPVC Pipes and Fittings to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" ton 2" Ashirvad Flowgurard SDR 11 and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007) | | |
| 814 | BMW-I.220 | 15.90mm OD Pipe - SDR 13.5 | 1 RM | 141 |
| 815 | BMW-I.221 | 22.20mm OD Pipe - SDR 13.5 | 1 RM | 160 |
| 816 | BMW-I.222 | 28.60mm OD Pipe - SDR 13.5 | 1 RM | 212 |
| 817 | BMW-I.223 | 34.90mm OD Pipe - SDR 13.5 | 1 RM | 289 |
| 818 | BMW-I.224 | 41.30mm OD Pipe - SDR 13.5 | 1 RM | 360 |
| 819 | BMW-I.225 | 54.00mm OD Pipe - SDR 13.5 | 1 RM | 525 |
| 820 | BMW-I.226 | 15.90mm OD Pipe - SDR 11 | 1 RM | 156 |
| 821 | BMW-I.227 | 22.20mm OD Pipe - SDR 11 | 1 RM | 189 |
| 822 | BMW-I.228 | 28.60mm OD Pipe - SDR 11 | 1 RM | 227 |
| 823 | BMW-I.229 | 34.90mm OD Pipe - SDR 11 | 1 RM | 310 |
| 824 | BMW-I.230 | 41.30mm OD Pipe - SDR 11 | 1 RM | 383 |
| 825 | BMW-I.231 | 54.00mm OD Pipe - SDR 11 | 1 RM | 560 |
| 826 | BMW-I.232 | Supply of 20mm x 1.9mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8078 conforming to IS15801 | 1 RM | 48 |
| 827 | BMW-I.233 | Supply of 25mm x 2.3mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8078 conforming to IS15801 | 1 RM | 73 |
| 828 | BMW-I.234 | Supply of 32mm x 2.9mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8079 conforming to IS15801 | 1 RM | 115 |
| 829 | BMW-I.235 | Supply of 40mm x 3.7mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8079 conforming to IS15801 | 1 RM | 180 |
| 830 | BMW-I.236 | Supply of 50mm x 4.6mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8080 conforming to IS15801 | 1 RM | 321 |
| 831 | BMW-I.237 | Supply of 63mm x 5.8mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8081 conforming to IS15801 | 1 RM | 504 |
| 832 | BMW-I.238 | Supply of 75mm x 6.8mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8082 conforming to IS15801 | 1 RM | 702 |
| 833 | BMW-I.239 | Supply of 90mm x 8.2mm PN 10/PPR pipe conforming to DIN Standards 8077/ 8083 conforming to IS15801 | 1 RM | 963 |
| 834 | BMW-I.240 | Supply of 110mm x 10mm PN 10/PPR pipe conforming to DIN Standards 8077/ | 1 RM | 1,427 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|--|------|----------------------|
| | | 8084 conforming to IS15801 | | |
| 835 | BMW-I.241 | Supply of 20mm x 2.8mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8078 conforming to IS15801 | 1 RM | 66 |
| 836 | BMW-I.242 | Supply of 25mm x 3.5mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8078 conforming to IS15801 | 1 RM | 102 |
| 837 | BMW-I.243 | Supply of 32mm x 4.4mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8079 conforming to IS15801 | 1 RM | 163 |
| 838 | BMW-I.244 | Supply of 40mm x 5.5mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8079 conforming to IS15801 | 1 RM | 251 |
| 839 | BMW-I.245 | Supply of 50mm x 6.9mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8080 conforming to IS15801 | 1 RM | 449 |
| 840 | BMW-I.246 | Supply of 63mm x 8.6mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8081 conforming to IS15801 | 1 RM | 707 |
| 841 | BMW-I.247 | Supply of 75mm x 10.3mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8082 conforming to IS15801 | 1 RM | 999 |
| 842 | BMW-I.248 | Supply of 90mm x 12.3mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8083 conforming to IS15801 | 1 RM | 1,425 |
| 843 | BMW-I.249 | Supply of 110mm x 15.1mm PN 16/PPR pipe conforming to DIN Standards 8077/ 8084 conforming to IS15801 | 1 RM | 2,134 |
| 844 | BMW-I.250 | Supply of 20mm x 3.4mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8078 conforming to IS15801 | 1 RM | 77 |
| 845 | BMW-I.251 | Supply of 25mm x 4.2mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8078 conforming to IS15801 | 1 RM | 118 |
| 846 | BMW-I.252 | Supply of 32mm x 5.4mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8079 conforming to IS15801 | 1 RM | 190 |
| 847 | BMW-I.253 | Supply of 40mm x 6.7mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8079 conforming to IS15801 | 1 RM | 292 |
| 848 | BMW-I.254 | Supply of 50mm x 8.3mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8080 conforming to IS15801 | 1 RM | 519 |
| 849 | BMW-I.255 | Supply of 63mm x 10.5mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8081 conforming to IS15801 | 1 RM | 819 |
| 850 | BMW-I.256 | Supply of 75mm x 12.5mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8082 conforming to IS15801 | 1 RM | 1,162 |
| 851 | BMW-I.257 | Supply of 90mm x 15mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8083 | 1 RM | 1,579 |
| 852 | BMW-I.258 | Supply of 110mm x 18.3mm PN 20/PPR pipe conforming to DIN Standards 8077/ 8084 conforming to IS15801 | 1 RM | 2,487 |
| 853 | BMW-I.259 | Supply of 20mm PPR Socket conforming to DIN Standards 8077/ 8084 | 1 RM | 11 |
| 854 | BMW-I.260 | Supply of 25mm PPR Socket conforming to DIN Standards 8077/ 8085 | 1 RM | 15 |
| 855 | BMW-I.261 | Supply of 32mm PPR Socket conforming to DIN Standards 8077/ 8086 | 1 RM | 21 |
| 856 | BMW-I.262 | Supply of 40mm PPR Socket conforming to DIN Standards 8077/ 8087 | 1 RM | 36 |
| 857 | BMW-I.263 | Supply of 50mm PPR Socket conforming to DIN Standards 8077/ 8088 | 1 RM | 70 |
| 858 | BMW-I.264 | Supply of 63mm PPR Socket conforming to DIN Standards 8077/ 8089 | 1 RM | 134 |
| 859 | BMW-I.265 | Supply of 75mm PPR Socket conforming to DIN Standards 8077/ 8090 | 1 RM | 204 |
| 860 | BMW-I.266 | Supply of 90mm PPR Socket conforming to DIN Standards 8077/ 8091 | 1 RM | 391 |
| 861 | BMW-I.267 | Supply of 110mm PPR Socket conforming to DIN Standards 8077/ 8092 | 1 RM | 696 |
| 862 | BMW-I.268 | Supply of 32mm PPR Core Flange conforming to DIN Standards 8077/ 8086 | Each | 42 |
| 863 | BMW-I.269 | Supply of 40mm PPR Core Flange conforming to DIN Standards 8077/ 8087 | Each | 67 |
| 864 | BMW-I.270 | Supply of 50mm PPR Core Flange conforming to DIN Standards 8077/ 8088 | Each | 87 |
| 865 | BMW-I.271 | Supply of 63mm PPR Core Flange conforming to DIN Standards 8077/ 8089 | Each | 138 |
| 866 | BMW-I.272 | Supply of 75mm PPR Core Flange conforming to DIN Standards 8077/ 8090 | Each | 161 |
| 867 | BMW-I.273 | Supply of 90mm PPR Core Flange conforming to DIN Standards 8077/ 8091 | Each | 411 |
| 868 | BMW-I.274 | Supply of 110mm PPR Core Flange conforming to DIN Standards 8077/ 8092 | Each | 531 |
| 869 | BMW-I.275 | Supply of 20mm PPR Elbow conforming to DIN Standards 8077/ 8084 | Each | 18 |
| 870 | BMW-I.276 | Supply of 25mm PPR Elbow conforming to DIN Standards 8077/ 8085 | Each | 22 |
| 871 | BMW-I.277 | Supply of 32mm PPR Elbow conforming to DIN Standards 8077/ 8086 | Each | 43 |
| 872 | BMW-I.278 | Supply of 40mm PPR Elbow conforming to DIN Standards 8077/ 8087 | Each | 75 |
| 873 | BMW-I.279 | Supply of 50mm PPR Elbow conforming to DIN Standards 8077/ 8088 | Each | 140 |
| 874 | BMW-I.280 | Supply of 63mm PPR Elbow conforming to DIN Standards 8077/ 8089 | Each | 274 |
| 875 | BMW-I.281 | Supply of 75mm PPR Elbow conforming to DIN Standards 8077/ 8090 | Each | 443 |
| 876 | BMW-I.282 | Supply of 90mm PPR Elbow conforming to DIN Standards 8077/ 8091 | Each | 824 |
| 877 | BMW-I.283 | Supply of 110mm PPR Elbow conforming to DIN Standards 8077/ 8092 | Each | 1,530 |
| 878 | BMW-I.284 | Supply of 20mm PPR Tee conforming to DIN Standards 8077/ 8084 | Each | 16 |
| 879 | BMW-I.285 | Supply of 25mm PPR Tee conforming to DIN Standards 8077/ 8085 | Each | 28 |
| 880 | BMW-I.286 | Supply of 32mm PPR Tee conforming to DIN Standards 8077/ 8086 | Each | 51 |
| 881 | BMW-I.287 | Supply of 40mm PPR Tee conforming to DIN Standards 8077/ 8087 | Each | 90 |
| 882 | BMW-I.288 | Supply of 50mm PPR Tee conforming to DIN Standards 8077/ 8088 | Each | 160 |
| 883 | BMW-I.289 | Supply of 63mm PPR Tee conforming to DIN Standards 8077/ 8089 | Each | 325 |
| 884 | BMW-I.290 | Supply of 75mm PPR Tee conforming to DIN Standards 8077/ 8090 | Each | 636 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|--------|-----------|---|------|----------------------|
| 885 | BMW-I.291 | Supply of 90mm PPR Tee conforming to DIN Standards 8077/ 8091 | Each | 922 |
| 886 | BMW-I.292 | Supply of 110mm PPR Tee conforming to DIN Standards 8077/ 8092 | Each | 1,598 |
| 887 | BMW-I.293 | Supply of 20mm PPR End Cap conforming to DIN Standards 8077/ 8084 | Each | 7 |
| 888 | BMW-I.294 | Supply of 25mm PPR End Cap conforming to DIN Standards 8077/ 8085 | Each | 11 |
| 889 | BMW-I.295 | Supply of 32mm PPR End Cap conforming to DIN Standards 8077/ 8086 | Each | 21 |
| 890 | BMW-I.296 | Supply of 40mm PPR End Cap conforming to DIN Standards 8077/ 8087 | Each | 36 |
| 891 | BMW-I.297 | Supply of 50mm PPR End Cap conforming to DIN Standards 8077/ 8088 | Each | 63 |
| 892 | BMW-I.298 | Supply of 63mm PPR End Cap conforming to DIN Standards 8077/ 8089 | Each | 134 |
| 893 | BMW-I.299 | Supply of 75mm PPR End Cap conforming to DIN Standards 8077/ 8090 | Each | 225 |
| 894 | BMW-I.300 | Supply of 90mm PPR End Cap conforming to DIN Standards 8077/ 8091 | Each | 358 |
| 895 | BMW-I.301 | Supply of 110mm PPR End Cap conforming to DIN Standards 8077/ 8092 | Each | 708 |
| 896 | BMW-I.302 | Supply of 25mm x 20mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 13 |
| 897 | BMW-I.303 | Supply of 32mm x 25mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 22 |
| 898 | BMW-I.304 | Supply of 32mm x 20mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 21 |
| 899 | BMW-I.305 | Supply of 40mm x 32mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 37 |
| 900 | BMW-I.306 | Supply of 40mm x 25mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 36 |
| 901 | BMW-I.307 | Supply of 40mm x 20mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 35 |
| 902 | BMW-I.308 | Supply of 50mm x 20mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 54 |
| 903 | BMW-I.309 | Supply of 50mm x 25mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 55 |
| 904 | BMW-I.310 | Supply of 50mm x 32mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 56 |
| 905 | BMW-I.311 | Supply of 50mm x 40mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 57 |
| 906 | BMW-I.312 | Supply of 63mm x 20mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 124 |
| 907 | BMW-I.313 | Supply of 63mm x 25mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 124 |
| 908 | BMW-I.314 | Supply of 63mm x 32mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 125 |
| 909 | BMW-I.315 | Supply of 63mm x 40mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 126 |
| 910 | BMW-I.316 | Supply of 63mm x 50mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 127 |
| 911 | BMW-I.317 | Supply of 75mm x 40mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 184 |
| 912 | BMW-I.318 | Supply of 75mm x 50mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 185 |
| 913 | BMW-I.319 | Supply of 75mm x 63mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 235 |
| 914 | BMW-I.320 | Supply of 90mm x 63mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 449 |
| 915 | BMW-I.321 | Supply of 90mm x 75mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 476 |
| 916 | BMW-I.322 | Supply of 110mm x 63mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 600 |
| 917 | BMW-I.323 | Supply of 110mm x 75mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 698 |
| 918 | BMW-I.324 | Supply of 110mm x 90mm PPR Reducer conforming to DIN Standards 8077/ 8092 | Each | 753 |
| 919 | BMW-I.325 | Supply of 25mm x 20mm x 25mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 35 |
| 920 | BMW-I.326 | Supply of 32mm x 25mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 61 |
| 921 | BMW-I.327 | Supply of 32mm x 20mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 62 |
| 922 | BMW-I.328 | Supply of 40mm x 20mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 101 |
| 923 | BMW-I.329 | Supply of 40mm x 25mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 103 |
| 924 | BMW-I.330 | Supply of 40mm x 32mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 105 |
| 925 | BMW-I.331 | Supply of 50mm x 20mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 146 |
| 926 | BMW-I.332 | Supply of 50mm x 25mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 148 |
| 927 | BMW-I.333 | Supply of 50mm x 32mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 152 |
| 928 | BMW-I.334 | Supply of 50mm x 40mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 153 |
| 929 | BMW-I.335 | Supply of 63mm x 20mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 423 |
| 930 | BMW-I.336 | Supply of 63mm x 25mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 425 |
| 931 | BMW-I.337 | Supply of 63mm x 32mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 431 |
| 932 | BMW-I.338 | Supply of 63mm x 40mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 438 |
| 933 | BMW-I.339 | Supply of 63mm x 50mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 445 |
| 934 | BMW-I.340 | Supply of 75mm x 50mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 598 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|-------------------|------------------|--|-------------|-------------------------------------|
| 935 | BMW-I.341 | Supply of 75mm x 63mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 607 |
| 936 | BMW-I.342 | Supply of 90mm x 50mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 805 |
| 937 | BMW-I.343 | Supply of 90mm x 63mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 855 |
| 938 | BMW-I.344 | Supply of 110mm x 75mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 1,459 |
| 939 | BMW-I.345 | Supply of 110mm x 90mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/ 8092 | Each | 1,517 |
| 940 | BMW-I.346 | Supply of 20mm x $\frac{1}{2}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 112 |
| 941 | BMW-I.347 | Supply of 25mm x $\frac{1}{2}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 115 |
| 942 | BMW-I.348 | Supply of 25mm x $\frac{3}{4}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 201 |
| 943 | BMW-I.349 | Supply of 32mm x $\frac{1}{2}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 205 |
| 944 | BMW-I.350 | Supply of 32mm x $\frac{3}{4}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 212 |
| 945 | BMW-I.351 | Supply of 32mm x 1" PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 327 |
| 946 | BMW-I.352 | Supply of 40mm x $1\frac{1}{4}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 484 |
| 947 | BMW-I.353 | Supply of 50mm x $1\frac{1}{2}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 676 |
| 948 | BMW-I.354 | Supply of 63mm x 2" PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 899 |
| 949 | BMW-I.355 | Supply of 75mm x $2\frac{1}{2}$ " PPR Female Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 1,733 |
| 950 | BMW-I.356 | Supply of 20mm x $\frac{1}{2}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 174 |
| 951 | BMW-I.357 | Supply of 25mm x $\frac{1}{2}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 180 |
| 952 | BMW-I.358 | Supply of 25mm x $\frac{3}{4}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 262 |
| 953 | BMW-I.359 | Supply of 32mm x $\frac{3}{4}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 274 |
| 954 | BMW-I.360 | Supply of 32mm x 1" PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 509 |
| 955 | BMW-I.361 | Supply of 40mm x $1\frac{1}{4}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 597 |
| 956 | BMW-I.362 | Supply of 50mm x $1\frac{1}{2}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 834 |
| 957 | BMW-I.363 | Supply of 63mm x 2" PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 1,283 |
| 958 | BMW-I.364 | Supply of 75mm x $2\frac{1}{2}$ " PPR Male Threaded Adaptor conforming to DIN Standards 8077/ 8092 | Each | 2,052 |
| 959 | BMW-I.365 | Supply of 20mm x $\frac{1}{2}$ " PPR Female Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 120 |
| 960 | BMW-I.366 | Supply of 25mm x $\frac{1}{2}$ " PPR Female Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 125 |
| 961 | BMW-I.367 | Supply of 25mm x $\frac{3}{4}$ " PPR Female Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 193 |
| 962 | BMW-I.368 | Supply of 32mm x $\frac{1}{2}$ " PPR Female Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 185 |
| 963 | BMW-I.369 | Supply of 32mm x $\frac{3}{4}$ " PPR Female Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 216 |
| 964 | BMW-I.370 | Supply of 32mm x 1" PPR Female Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 362 |
| 965 | BMW-I.371 | Supply of 20mm x $\frac{1}{2}$ " PPR Male Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 180 |
| 966 | BMW-I.372 | Supply of 25mm x $\frac{1}{2}$ " PPR Male Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 197 |
| 967 | BMW-I.373 | Supply of 25mm x $\frac{3}{4}$ " PPR Male Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 261 |
| 968 | BMW-I.374 | Supply of 32mm x $\frac{1}{2}$ " PPR Male Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 251 |
| 969 | BMW-I.375 | Supply of 32mm x 1" PPR Male Threaded Elbow conforming to DIN Standards 8077/ 8092 | Each | 541 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|---------------|------------------|--|-------------|-----------------------------|
| 970 | BMW-I.376 | Supply of 20mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 116 |
| 971 | BMW-I.377 | Supply of 25mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 127 |
| 972 | BMW-I.378 | Supply of 25mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 212 |
| 973 | BMW-I.379 | Supply of 32mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 223 |
| 974 | BMW-I.380 | Supply of 32mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 251 |
| 975 | BMW-I.381 | Supply of 32mm x 1" PPR Female Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 352 |
| 976 | BMW-I.382 | Supply of 20mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 181 |
| 977 | BMW-I.383 | Supply of 25mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 193 |
| 978 | BMW-I.384 | Supply of 25mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 277 |
| 979 | BMW-I.385 | Supply of 32mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 283 |
| 980 | BMW-I.386 | Supply of 32mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 299 |
| 981 | BMW-I.387 | Supply of 32mm x 1" PPR Male Threaded Tee conforming to DIN Standards 8077/ 8092 | Each | 552 |
| 982 | BMW-I.388 | Supply of 20mm x ½" PPR Female Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 466 |
| 983 | BMW-I.389 | Supply of 25mm x ¾" PPR Female Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 698 |
| 984 | BMW-I.390 | Supply of 32mm x 1" PPR Female Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 932 |
| 985 | BMW-I.391 | Supply of 40mm x 1¼" PPR Female Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 1,306 |
| 986 | BMW-I.392 | Supply of 50mm x 1½" PPR Female Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 2,099 |
| 987 | BMW-I.393 | Supply of 63mm x 2" PPR Female Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 3,334 |
| 988 | BMW-I.394 | Supply of 20mm x ½" PPR Male Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 534 |
| 989 | BMW-I.395 | Supply of 25mm x ¾" PPR Male Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 710 |
| 990 | BMW-I.396 | Supply of 32mm x 1" PPR Male Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 932 |
| 991 | BMW-I.397 | Supply of 40mm x 1¼" PPR Male Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 1,165 |
| 992 | BMW-I.398 | Supply of 50mm x 1½" PPR Male Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 2,215 |
| 993 | BMW-I.399 | Supply of 63mm x 2" PPR Male Threaded Union conforming to DIN Standards 8077/ 8092 | Each | 3,732 |
| 994 | BMW-I.400 | Supply of 20mm PPR Union conforming to DIN Standards 8077/ 8092 | Each | 102 |
| 995 | BMW-I.401 | Supply of 25mm PPR Union conforming to DIN Standards 8077/ 8092 | Each | 119 |
| 996 | BMW-I.402 | Supply of 32mm PPR Union conforming to DIN Standards 8077/ 8092 | Each | 196 |
| 997 | BMW-I.403 | Supply of 20mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 186 |
| 998 | BMW-I.404 | Supply of 25mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 245 |
| 999 | BMW-I.405 | Supply of 32mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 257 |
| 1000 | BMW-I.406 | Supply of 40mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 526 |
| 1001 | BMW-I.407 | Supply of 50mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 613 |
| 1002 | BMW-I.408 | Supply of 63mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 992 |
| 1003 | BMW-I.409 | Supply of 75mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 1,633 |
| 1004 | BMW-I.410 | Supply of 90mm PPR Ball Valve conforming to DIN Standards 8077/ 8092 | Each | 2,333 |
| 1005 | BMW-I.411 | Supply of 20mm PPR Clamp conforming to DIN Standards 8077/ 8092 | Each | 11 |
| 1006 | BMW-I.412 | Supply of 25mm PPR Clamp conforming to DIN Standards 8077/ 8092 | Each | 14 |
| 1007 | BMW-I.413 | Supply of 32mm PPR Clamp conforming to DIN Standards 8077/ 8092 | Each | 16 |
| 1008 | BMW-I.414 | Supply of 40mm PPR Clamp conforming to DIN Standards 8077/ 8092 | Each | 18 |
| 1009 | BMW-I.415 | Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - up to 40 mm dia | 1 RM | 31 |

| Sl. No | Item Code | Description of item | Unit | RATE for SoR 2015-16 |
|---------------|--|--|------|---|
| 1010 | BMW-I.416 | Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - above 40 mm dia | 1 RM | 53 |
| NOTE | | | | |
| 1 | All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work. | | | |
| 2 | Rates given above are: a) Rate for finished item of work b) Labour charges only | | | |
| 3 | RATES a) Supply Rates for all the materials are based on market rates plus Sales Tax/ Material VAT. b) Works Contract VAT for General/ Composition Scheme on finished items may be allowed as applicable. | | | |
| 4 | LABOUR Labour charges are increased based on proposals and market rates | | | |
| 5 | Coloured porcelain items: 50% extra may be allowed on basic cost of white porcelain items excluding fittings | | | |
| 6 | SSR Rates for Sanitary & water supply items are purely for guidance for the officers for preparation of estimates vide Para 113 of APPWD code. Authority who prepares the estimate is however responsible for proper rates as envisaged in Para 45 of APPWD code. | | | |
| LEGEND | | | | |
| | "BMW" -X.XX | | | "BMW" for Water Supply & Sanitary items |
| | XXX-"A".XX | | | "A" for Name of the Section |
| | XXX-X."01" | | | "01" for Serial Number of the Item |

LIST OF Brands / MANUFACTURERS / SUPPLIERS OF WATER SUPPLY AND SANITARY ITEMS

| Sl. No | SECTION | NAMES OF THE ITEMS | NAMES OF THE BRAND / MANUFACTURER/ SUPPLIER |
|--------|-------------|--|--|
| 1 | SECTION – C | C.I. PIPES & FITTINGS - AS PER IS 1729:1979 | B.I.C., NECO or equivalent |
| 2 | SECTION – D | VITREOUS CHINaware - SANITARY APPLIANCES as per IS:2556 – 1974 | Hindustan Sanitary ware/ Parryware/ Neycer/ CERA / Jaquar / kerovit –kajaria / H&R Johnson |
| 3 | SECTION – E | TAPS & FAUCETS | Seiko/ Senior/ Nice/ CERA/ Hindware – PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware / H & R Johnson /Swastika enterprises |
| 4 | SECTION – F | G.I. PIPES & FITTINGS | Pipes -Tata, Sail, Zenith: Fittings - HB : Valves – Zoloto, Sant valves/ JSW/ Oswal |
| 5 | SECTION – G | PVC PIPES & FITTINGS | Sintex for PVC tanks, Pipes and Fittings – Prince / Finolex / Sudhakar / Kisan / Supreme or any ISI Brand, LLC Tanks - Parry ware, Slim line, CERA/ UNIFLEX / ASTRAL UPVC & CPVC pipes |
| 6 | SECTION – H | CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 – 1984 | B.I.C., NECO - ISI brand |
| 7 | SECTION – I | MISCELLANEOUS | Special Taps and CP Fittings - Jaquar / Jupiter Aqua Lines- JAL/ CERA/ SFMC PPR & PVC Pipes, Harshavardahan international / supreme, ASTRAL UPVC & CPVC pipes/ Ashirvad, Prince, Kisan |

Note: 1) All Building Materials conforming to ISI Standards shall be used in all CIVIL, Water Supply & Sanitary Fitings and Electrical Works.

2) Not only limiting to the Brand / Manufacturer / Supplier for Materials/Products mentioned above, Material / Product conforming to the Specification and Standards of ISI from any Brand / Manufacturer, shall also be allowed in all CIVIL, Water Supply & Sanitary Fitings and Electrical Works also.

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BUILDINGS SoR 2015-16 (ELECTRICAL)

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PREAMBLE

1. The area allowances in case of Corporation, Municipalities, Jail Compounds, Agency & Tribal areas and Industrial areas have to be followed as per prevailing Common SOR.
2. The Electrical contractor is solely responsible for both quality and quantity. Proposing specific make in the estimate from the SOR is within the scope of concerned field officers based on the necessity and availability of materials in such areas.
3. In case of 2way points i.e. stair case point etc where two way switch control is necessary, an extra at 50 % excess over each point shall be allowed.
4. Where ever the light/fan point is provided at a height/length of 15 feet and above, then an extra of 50% over the point rates shall be allowed.
5. The rates for common civil items including labour rates have to be adopted from prevailing SOR.
6. The rates for all types of electrical items proposed are inclusive of all taxes such as Sales Tax, Excise duty etc.
7. The Government instructions for usage of Energy efficient luminaries have to be invariably followed while proposing luminaries in the estimates.
8. The rates for items such as Lifts, Refrigerators / A.C. plants / Water coolers and Video and Audio Systems etc., have to be invariably followed based on the prevailing market rates, since the rates and specification varies from manufacturer to manufacturer considerably. Hence , rates for these items are not incorporated in the schedule. However, relevant data without rates is provided in the standard schedule data for electrical works. .
9. In case of any addition to the proposed SOR, the approval has to be obtained from the Building SOR Committee of Chief Engineers through the R&B Electrical wing. Temporary approvals which are under relevant specifications of the BIS/ISO/ISI can be given by the Superintending Engineer (R&B) Electrical.
10. The Superintending Engineer (R&B) Electrical will review the performance over the quality of the makes proposed in the SOR from time to time and in case any inferior quality is observed the same shall be brought to the notice of the Chief Engineer (R&B) Electrical to consider for deletion from the SOR.
11. The schedule of rates is only for guidance of officers for preparation of estimates as per the Para 113 of APPWD code. The authority that sanctioned the estimate is however responsible for adopting the proper rates in the estimates as envisaged in para 45 of APPWD code.
12. As per GO Ms No.51 Industries and commerce (MSME) Dept Dt:01.06.2010, all the indenting departments / Agents should invariably give preference to all local MSME which are manufacturing quality products having ISO 9001 – 2000, DGS & D, BIS certification without entertaining any other dealers / branded product manufacturers who have no production base in the state.
13. The government vide GO RT No. 48 Home (Services-IV) department dated: 23.01.2015 have permitted for providing the Aerosol Generator system / DSPA as an alternative in place of water based sprinkler. Hence proposed in the SOR.
14. The life of the LED Luminaire should be warrantee for five years or 50,000 burning hours from the date of commissioning.

ELECTRICAL ITEMS

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|---------------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| SECTION - 1 | | | | |
| M.S. CONDUIT PIPES | | | | |
| 1 | ELEC-1.1.1 | Supply of ISI, 20mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB. | 1 RM | 72 |
| 2 | ELEC-1.1.2 | Supply of ISI, 25mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB. | 1 RM | 84 |
| 3 | ELEC-1.1.3 | Supply of ISI, 32mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB. | 1 RM | 125 |
| 4 | ELEC-1.1.4 | Supply of ISI, 38mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB. | 1 RM | 126 |
| 5 | ELEC-1.1.5 | Supply of ISI, 50mm dia, 16 guage thickness MS conduit pipe of Makes: NAI / Bharath / GB. | 1 RM | 179 |
| 6 | ELEC-1.1.6 | Supply of 19 / 20 mm MS Junction box normal range big size long neck. | 1 No | 24 |
| 7 | ELEC-1.1.7 | Supply of 25 mm MS Junction box normal range big size long neck. | 1 No | 24 |
| 8 | ELEC-1.1.8 | Supply of 32 mm MS Junction box normal range big size long neck. | 1 No | 63 |
| 9 | ELEC-1.1.9 | Supply of 40 / 38 mm MS Junction box normal range big size long neck. | 1 No | 74 |
| 10 | ELEC-1.1.10 | Supply of 50 mm MS Junction box normal range big size long neck. | 1 No | 133 |
| 11 | ELEC-1.1.11 | Supply of 25/20mm MS Junction deep box. | 1 No | 39 |
| 12 | ELEC-1.1.12 | Supply of 32mm MS Junction deep box. | 1 No | 89 |
| 13 | ELEC-1.1.13 | Supply of 40mm MS Junction deep box. | 1 No | 92 |
| 14 | ELEC-1.1.14 | Supply of 19/20mm MS Inspection Bends. | 1 No | 22 |
| 15 | ELEC-1.1.15 | Supply of 25mm MS Inspection Bends. | 1 No | 22 |
| 16 | ELEC-1.1.16 | Supply of 32mm MS Inspection Bends. | 1 No | 55 |
| 17 | ELEC-1.1.17 | Supply of 40/38mm MS Inspection Bends. | 1 No | 67 |
| 18 | ELEC-1.1.18 | Supply of 50mm MS Inspection Bends. | 1 No | 114 |
| 19 | ELEC-1.1.19 | Supply of 19/20mm MS Inspection Tee. | 1 No | 23 |
| 20 | ELEC-1.1.20 | Supply of 25mm MS Inspection Tee. | 1 No | 24 |
| 21 | ELEC-1.1.21 | Supply of 32mm MS Inspection Tee. | 1 No | 63 |
| 22 | ELEC-1.1.22 | Supply of 40/38mm MS Inspection Tee. | 1 No | 74 |
| 23 | ELEC-1.1.23 | Supply of 50mm MS Inspection Tee. | 1 No | 133 |
| 24 | ELEC-1.1.24 | Supply of 19/20mm MS Inspection Elbow. | 1 No | 21 |
| 25 | ELEC-1.1.25 | Supply of 25mm MS Inspection Elbow. | 1 No | 21 |
| 26 | ELEC-1.1.26 | Supply of 32mm MS Inspection Elbow. | 1 No | 53 |
| 27 | ELEC-1.1.27 | Supply of 40/38mm MS Inspection Elbow. | 1 No | 65 |
| 28 | ELEC-1.1.28 | Supply of 50mm MS Inspection Elbow. | 1 No | 108 |
| 29 | ELEC-1.1.29 | Supply of MS Inspection 10 Guage G.I. checknut size 19/20mm. | 100 Nos | 206 |
| 30 | ELEC-1.1.30 | Supply of MS Inspection 10 Guage G.I. checknut size 25mm. | 100 Nos | 256 |
| 31 | ELEC-1.1.31 | Supply of MS Inspection 10 Guage G.I. checknut size 32mm. | 100 Nos | 475 |
| 32 | ELEC-1.1.32 | Supply of MS Inspection 10 Guage G.I. checknut size 40/38mm. | 100 Nos | 642 |
| 33 | ELEC-1.1.33 | Supply of MS Inspection 10 Guage G.I. checknut size 50mm. | 100 Nos | 1272 |
| 34 | ELEC-1.1.34 | Supply of 19/20mm Saddles with Base. | 100 Nos | 211 |
| 35 | ELEC-1.1.35 | Supply of 25mm Saddles with Base. | 100 Nos | 220 |
| 36 | ELEC-1.1.36 | Supply of 32mm Saddles with Base. | 100 Nos | 363 |
| 37 | ELEC-1.1.37 | Supply of 40/38mm Saddles with Base. | 100 Nos | 386 |
| 38 | ELEC-1.1.38 | Supply of 50mm Saddles with Base. | 100 Nos | 446 |
| 39 | ELEC-1.1.39 | Supply of 19/20mm 20 guage Saddles. | 100 Nos | 113 |
| 40 | ELEC-1.1.40 | Supply of 25mm 20 guage Saddles. | 100 Nos | 149 |
| 41 | ELEC-1.1.41 | Supply of 32mm 20 guage Saddles. | 100 Nos | 244 |
| 42 | ELEC-1.1.42 | Supply of 40/38mm 20 guage Saddles. | 100 Nos | 308 |
| 43 | ELEC-1.1.43 | Supply of 50mm 20 guage Saddles. | 100 Nos | 375 |
| 44 | ELEC-1.1.44 | Supply of 19/20mm 16 Guage socket coupler. | 12 Nos | 57 |
| 45 | ELEC-1.1.45 | Supply of 25mm 16 Guage socket coupler. | 12 Nos | 72 |
| 46 | ELEC-1.1.46 | Supply of 32mm 16 Guage socket coupler. | 12 Nos | 108 |
| 47 | ELEC-1.1.47 | Supply of 38mm 16 Guage socket coupler. | 12 Nos | 129 |
| 48 | ELEC-1.1.48 | Supply of 40mm 16 Guage socket coupler. | 12 Nos | 172 |
| 49 | ELEC-1.1.49 | Supply of 50mm 16 Guage socket coupler. | 12 Nos | 212 |
| 50 | ELEC-1.1.50 | Supply of 19mm Ball Socket. | 12 Nos | 212 |
| 51 | ELEC-1.1.51 | Supply of 25mm Ball Socket. | 12 Nos | 207 |
| 1.2 | | | | |
| PVC CONDUIT PIPES | | | | |
| 52 | ELEC-1.2.1 | Supply of ISI 20mm outer dia medium (1.55mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 20 |

BUILDINGS SoR 2015-16 (Civil & Electrical) – ELECTRICAL

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 53 | ELEC-1.2.2 | Supply of ISI 20mm outer dia heavy (2.10mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 25 |
| 54 | ELEC-1.2.3 | Supply of ISI 25mm outer dia medium (1.80mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 28 |
| 55 | ELEC-1.2.4 | Supply of ISI 25mm outer dia heavy (2.20mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 32 |
| 56 | ELEC-1.2.5 | Supply of ISI 32mm outer dia medium (2.10mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 41 |
| 57 | ELEC-1.2.6 | Supply of ISI 40mm outer dia medium (2.30mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 56 |
| 58 | ELEC-1.2.7 | Supply of ISI 50mm outer dia medium (2.85mm thickness) grade with IS:9537 part 3 regid PVC pipe. Makes: Sudhakar / Modi / VIP / GM | 1 RM | 82 |
| 59 | ELEC-1.2.8 | Supply of Non - ISI 19mm 1.50mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 14 |
| 60 | ELEC-1.2.9 | Supply of Non - ISI 19mm 1.80mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 19 |
| 61 | ELEC-1.2.10 | Supply of Non - ISI 25mm 1.50mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 19 |
| 62 | ELEC-1.2.11 | Supply of Non - ISI 25mm 1.80mm thick regid PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 25 |
| 63 | ELEC-1.2.12 | Supply of Non - ISI 32mm dia 2.0mm thickness PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 33 |
| 64 | ELEC-1.2.13 | Supply of Non - ISI 40mm dia 2.0mm thickness PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 43 |
| 65 | ELEC-1.2.14 | Supply of Non - ISI 50mm dia 2.0mm thickness PVC pipe. Makes: Million Plast / Sudhakar / Durga / Nandi / Sunlight / Besto Plast. | 1 RM | 49 |
| 66 | ELEC-1.2.15 | Supply of ISI 19/20mm width and 12.5mm height Casing and Caping. Make: Modi. | 1 RM | 26 |
| 67 | ELEC-1.2.16 | Supply of ISI 25mm width and 12.5mm height Casing and Caping. Make: Modi. | 1 RM | 32 |
| 68 | ELEC-1.2.17 | Supply of ISI 32mm width and 12.5mm height Casing and Caping. Make: Modi. | 1 RM | 37 |
| 69 | ELEC-1.2.18 | Supply of ISI 38/40mm width and 12.5mm height Casing and Caping. Make: Modi. | 1 RM | 64 |
| 70 | ELEC-1.2.19 | Supply of Non - ISI 19/20mm width and 12.5mm height Casing and Caping. Make: Diamond / Durga. | 1 RM | 18 |
| 71 | ELEC-1.2.20 | Supply of Non - ISI 25mm width and 12.5mm height Casing and Caping. Make: Diamond / Durga. | 1 RM | 19 |
| 72 | ELEC-1.2.21 | Supply of Non - ISI 32mm width and 12.5mm height Casing and Caping Make: Diamond / Durga. | 1 RM | 25 |
| 73 | ELEC-1.2.22 | Supply of Non - ISI 38/40mm width and 12.5mm height Casing and Caping Make: Diamond / Durga. | 1 RM | 36 |
| 74 | ELEC-1.2.23 | Supply of 19/20mm PVC Flexible Pipe. | 1 RM | 4 |
| 75 | ELEC-1.2.24 | Supply of 25mm PVC Flexible Pipe. | 1 RM | 5 |
| 76 | ELEC-1.2.25 | Supply of 32mm PVC Flexible Pipe. | 1 RM | 7 |
| 77 | ELEC-1.2.26 | Supply of 40/38mm PVC Flexible Pipe. | 1 RM | 13 |
| 78 | ELEC-1.2.27 | Supply of 50mm PVC Flexible Pipe. | 1 RM | 20 |
| 79 | ELEC-1.2.28 | Supply of 19/20mm PVC Flexible Couplings. | 1 No | 11 |
| 80 | ELEC-1.2.29 | Supply of 25mm PVC Flexible Couplings. | 1 No | 14 |
| 81 | ELEC-1.2.30 | Supply of 32mm PVC Flexible Couplings. | 1 No | 28 |
| 82 | ELEC-1.2.31 | Supply of 40/38mm PVC Flexible Couplings. | 1 No | 30 |
| 83 | ELEC-1.2.32 | Supply of 50mm PVC Flexible Couplings. | 1 No | 61 |
| 84 | ELEC-1.2.33 | Supply of 19/20mm PVC Junction Boxes Normal. | 1 No | 17 |
| 85 | ELEC-1.2.34 | Supply of 25mm PVC Junction Boxes Normal. | 1 No | 19 |
| 86 | ELEC-1.2.35 | Supply of 32mm PVC Junction Boxes Normal. | 1 No | 34 |

BUILDINGS SoR 2015-16 (Civil & Electrical) – ELECTRICAL

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 87 | ELEC-1.2.36 | Supply of 40mm PVC Junction Boxes Normal. | 1 No | 37 |
| 88 | ELEC-1.2.37 | Supply of 50mm PVC Junction Boxes Normal. | 1 No | 51 |
| 89 | ELEC-1.2.38 | Supply of PVC Junction Boxes Deep size 19/20mm. | 1 No | 22 |
| 90 | ELEC-1.2.39 | Supply of PVC Junction Boxes Deep size 25mm. | 1 No | 25 |
| 91 | ELEC-1.2.40 | Supply of PVC Junction Boxes Deep size 32mm. | 1 No | 40 |
| 92 | ELEC-1.2.41 | Supply of PVC Junction Boxes Deep size 40/38mm. | 1 No | 43 |
| 93 | ELEC-1.2.42 | Supply of PVC Junction Boxes Deep size 50mm. | 1 No | 64 |
| 94 | ELEC-1.2.43 | Supply of 19/20mm dia 1.5mm thick PVC Bends. Make: Sudhakar. | 1 No | 4 |
| 95 | ELEC-1.2.44 | Supply of 25mm dia 1.5mm thick PVC Bends. Make: Sudhakar. | 1 No | 6 |
| 96 | ELEC-1.2.45 | Supply of 32mm dia 2.0mm thick PVC Bends. Make: Sudhakar. | 1 No | 16 |
| 97 | ELEC-1.2.46 | Supply of 40mm dia 2.0mm thick PVC Bends. Make: Sudhakar. | 1 No | 19 |
| 98 | ELEC-1.2.47 | Supply of 50mm dia 2.0mm thick PVC Bends. Make: Sudhakar. | 1 No | 28 |
| 99 | ELEC-1.2.48 | Dummy Cover to PVC junction boxes | 1 No | 4 |
| | 1.3 | HOT DIP GALVANIZED METAL BOXES (MODULAR) | | |
| 100 | ELEC-1.3.1 | Supply of 1 or 2 Module box | 1 No | 60 |
| 101 | ELEC-1.3.2 | Supply of 3 Module box | 1 No | 84 |
| 102 | ELEC-1.3.3 | Supply of 4 Module box | 1 No | 101 |
| 103 | ELEC-1.3.4 | Supply of 6 Module box | 1 No | 137 |
| 104 | ELEC-1.3.5 | Supply of 8 or 9 Module box Horizontal/Vertical. | 1 No | 179 |
| 105 | ELEC-1.3.6 | Supply of 12 Module box | 1 No | 219 |
| | 1.4 | METALLIC BOXES (MS) | | |
| 106 | ELEC-1.3.7 | Supply of 4" x 4" Metal Box | 1 No | 53 |
| 107 | ELEC-1.3.8 | Supply of 4" x 7" Metal Box | 1 No | 63 |
| 108 | ELEC-1.3.9 | Supply of 6" x 6" Metal Box | 1 No | 79 |
| 109 | ELEC-1.3.10 | Supply of 6" x 8" Metal Box | 1 No | 105 |
| 110 | ELEC-1.3.11 | Supply of 10" x 8" Metal Box | 1 No | 184 |
| 111 | ELEC-1.3.12 | Supply of 10" x 12" Metal Box | 1 No | 236 |
| | 1.4 | T.W. BOARDS | | |
| 112 | ELEC-1.4.1 | Supply of T.W.Deep Box of Size 4" x 4" | 1 No | 10 |
| 113 | ELEC-1.4.2 | Supply of T.W.Deep Box of Size 4" x 7" | 1 No | 18 |
| 114 | ELEC-1.4.3 | Supply of T.W.Deep Box of Size 6" x 6" | 1 No | 22 |
| 115 | ELEC-1.4.4 | Supply of T.W.Deep Box of Size 6" x 8" | 1 No | 30 |
| 116 | ELEC-1.4.5 | Supply of T.W.Deep Box of Size 8" x 10" | 1 No | 48 |
| 117 | ELEC-1.4.6 | Supply of T.W.Deep Box of Size 10" x 12" | 1 No | 73 |
| 118 | ELEC-1.4.7 | Supply of T.W.Deep Box of Size 12" x 15" | 1 No | 109 |
| 119 | ELEC-1.4.8 | Supply of Decolam Board of Size 4" x 4" | 1 No | 14 |
| 120 | ELEC-1.4.9 | Supply of Decolam Board of Size 4" x 7" | 1 No | 25 |
| 121 | ELEC-1.4.10 | Supply of Decolam Board of Size 6" x 6" | 1 No | 33 |
| 122 | ELEC-1.4.11 | Supply of Decolam Board of Size 6" x 8" | 1 No | 44 |
| 123 | ELEC-1.4.12 | Supply of Decolam Board of Size 8" x 10" | 1 No | 73 |
| 124 | ELEC-1.4.13 | Supply of Decolam Board of Size 10" x 12" | 1 No | 109 |
| 125 | ELEC-1.4.14 | Supply of Decolam Board of Size 12" x 15" | 1 No | 164 |
| 126 | ELEC-1.4.15 | Supply of Peeta Board of Size 9" x 14" | 1 No | 53 |
| 127 | ELEC-1.4.16 | Supply of Peeta Board of Size 12" x 10" | 1 No | 51 |
| 128 | ELEC-1.4.17 | Supply of Peeta Board of Size 15" x 20" | 1 No | 182 |
| 129 | ELEC-1.4.18 | Supply of Peeta Board of Size 18" x 24" | 1 No | 262 |
| 130 | ELEC-1.4.19 | Supply of Peeta Board of Size 18" x 30" | 1 No | 327 |
| 131 | ELEC-1.4.20 | Supply of No.8 Screws of 12mm. | 100 Nos | 59 |
| 132 | ELEC-1.4.21 | Supply of No.8 Screws of 25mm. | 100 Nos | 72 |
| 133 | ELEC-1.4.22 | Supply of No.8 Screws of 30mm. | 100 Nos | 89 |
| 134 | ELEC-1.4.23 | Supply of No.8 Screws of 35/38mm. | 100 Nos | 96 |
| 135 | ELEC-1.4.24 | Supply of No.8 Screws of 50mm. | 100 Nos | 108 |
| 136 | ELEC-1.4.25 | Supply of No.8 Screws of 63/75mm. | 100 Nos | 131 |
| | 1.5 | COPPER FLEXIBLE CABLES (AS PER IS:694) | | |
| 137 | ELEC-1.5.1 | Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel | 100 RM | 1051 |
| 138 | ELEC-1.5.2 | Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel | 100 RM | 1555 |

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| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 139 | ELEC-1.5.3 | Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel | 100 RM | 2510 |
| 140 | ELEC-1.5.4 | Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel | 100 RM | 3833 |
| 141 | ELEC-1.5.5 | Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Finolex / RR kabel | 100 RM | 5828 |
| 142 | ELEC-1.5.6 | Supply of 140/0.3mm (10.0 Sqmm) PVC FRLS / HFFR / ZHFR insulated flexible Copper cable. Makes: Finolex / RR kabel | 100 RM | 9030 |
| 143 | ELEC-1.5.7 | Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS / HFFR / ZHFR insulated flexible Copper cable. Makes: Finolex / RR kabel | 100 RM | 14280 |
| 144 | ELEC-1.5.8 | Supply of 14/0.3mm (1.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard | 100 RM | 924 |
| 145 | ELEC-1.5.9 | Supply of 22/0.3mm (1.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard. | 100 RM | 1358 |
| 146 | ELEC-1.5.10 | Supply of 36/0.3mm (2.5 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard | 100 RM | 2195 |
| 147 | ELEC-1.5.11 | Supply of 56/0.3mm (4.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard | 100 RM | 3360 |
| 148 | ELEC-1.5.12 | Supply of 84/0.3mm (6.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Anchor / Sun Cab / Fortune Art / Great white / Orbit / V-Guard | 100 RM | 5250 |
| 149 | ELEC-1.5.13 | Supply of 140/0.3mm (10.0 Sqmm) FRLS / HFFR / ZHFR PVC insulated flexible Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Gold Medal / Kundancab/ Power Flex / RPG / Anchor / Sun Cab / Fortune Art/ Orbit / V-Guard | 100 RM | 7980 |
| 150 | ELEC-1.5.14 | Supply of 126/0.4mm (16.0 Sqmm) PVC FRLS / HFFR / ZHFR insulated flexible Copper cable. Makes: KEI / Polycab / Havells / GM / Million / HPL / Gold Medal / Kundancab/ Power Flex / RPG / Anchor / Sun Cab / Fortune Art/ Orbit / V-Guard. | 100 RM | 13230 |
| 151 | ELEC-1.5.15 | Supply of 14/0.3mm (1.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti . | 100 RM | 797 |
| 152 | ELEC-1.5.16 | Supply of 22/0.3mm (1.5 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti. | 100 RM | 1150 |
| 153 | ELEC-1.5.17 | Supply of 36/0.3mm (2.5 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti. | 100 RM | 1856 |
| 154 | ELEC-1.5.18 | Supply of 56/0.3mm (4.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini / Khanti . | 100 RM | 2783 |
| 155 | ELEC-1.5.19 | Supply of 84/0.3mm (6.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as perIS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini . | 100 RM | 4305 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 156 | ELEC-1.5.20 | Supply of 140/0.3mm (10.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini . | 100 RM | 6825 |
| 157 | ELEC-1.5.21 | Supply of 126/0.4mm (16.0 Sqmm) FRLS / ZHFR PVC insulated 1100V grade as per IS:694/1990 specification for Copper cable. Makes: Standard / Gloster / Nandicab / Vimal / Star / Milltec / Fine Cab / Bentec / Gemscab / Gemini . | 100 RM | 10500 |
| | | SHEATHED FLEXIBLE CABLES | | |
| 158 | ELEC-1.5.22 | Supply of PVC insulated 2 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 4190 |
| 159 | ELEC-1.5.23 | Supply of PVC insulated 2 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 6683 |
| 160 | ELEC-1.5.24 | Supply of PVC insulated 2 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 10274 |
| 161 | ELEC-1.5.25 | Supply of PVC insulated 3 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 5736 |
| 162 | ELEC-1.5.26 | Supply of PVC insulated 3 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 9227 |
| 163 | ELEC-1.5.27 | Supply of PVC insulated 3 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 14065 |
| 164 | ELEC-1.5.28 | Supply of PVC insulated 4 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 7392 |
| 165 | ELEC-1.5.29 | Supply of PVC insulated 4 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 11771 |
| 166 | ELEC-1.5.30 | Supply of PVC insulated 4 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable. | 100 RM | 17915 |
| 167 | ELEC-1.5.31 | Supply of PVC insulated 2 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 3352 |
| 168 | ELEC-1.5.32 | Supply of PVC insulated 2 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 5346 |
| 169 | ELEC-1.5.33 | Supply of PVC insulated 2 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 8219 |
| 170 | ELEC-1.5.34 | Supply of PVC insulated 3 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 4589 |
| 171 | ELEC-1.5.35 | Supply of PVC insulated 3 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 7382 |
| 172 | ELEC-1.5.36 | Supply of PVC insulated 3 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 11252 |
| 173 | ELEC-1.5.37 | Supply of PVC insulated 4 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 5914 |
| 174 | ELEC-1.5.38 | Supply of PVC insulated 4 core 2.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 9417 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 175 | ELEC-1.5.39 | Supply of PVC insulated 4 core 4.0 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. Makes: Million / Polycab / Gold Medal / Fortune Art / V-Guard / Vimal / GM / Kundancab. | 100 RM | 14332 |
| | 1.6 | SERVICE MAINS AND FLAT CABLE OF ISI FOR SUBMERSIBLE MOTORS. | | |
| 176 | ELEC-1.6.1 | Supply of 2.5 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 737 |
| 177 | ELEC-1.6.2 | Supply of 6 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 1497 |
| 178 | ELEC-1.6.3 | Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 1611 |
| 179 | ELEC-1.6.4 | Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 2693 |
| 180 | ELEC-1.6.5 | Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 3017 |
| 181 | ELEC-1.6.6 | Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 3629 |
| 182 | ELEC-1.6.7 | Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 6804 |
| 183 | ELEC-1.6.8 | Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM | 100 RM | 1040 |
| 184 | ELEC-1.6.9 | Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG | 100 RM | 5717 |
| 185 | ELEC-1.6.10 | Supply of 3 Core 2.5 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG. | 100 RM | 8778 |
| 186 | ELEC-1.6.11 | Supply of 3 Core 4.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG. | 100 RM | 13167 |
| 187 | ELEC-1.6.12 | Supply of 3 Core 6.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG. | 100 RM | 19404 |
| 188 | ELEC-1.6.13 | Supply of 3 Core 10.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: Finolex / Million / Polycab / Havells / V-Guard / Gold Medal / GM / RPG. | 100 RM | 31532 |
| 189 | ELEC-1.6.14 | Supply of 2.5 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini / Khanti . | 100 RM | 700 |
| 190 | ELEC-1.6.15 | Supply of 6 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini / Khanti. | 100 RM | 1422 |
| 191 | ELEC-1.6.16 | Supply of 10 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 1530 |
| 192 | ELEC-1.6.17 | Supply of 16 Sqmm WPSC (Weather Proof Single Core) ISI Alluminium Wire Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 2558 |
| 193 | ELEC-1.6.18 | Supply of 6 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini / Khanti. | 100 RM | 2866 |
| 194 | ELEC-1.6.19 | Supply of 10 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium | 100 RM | 3448 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | Wire. Makes: HPL / RPG / Nandicab / Gemini. | | |
| 195 | ELEC-1.6.20 | Supply of 16 Sqmm WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 6464 |
| 196 | ELEC-1.6.21 | Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 988 |
| 197 | ELEC-1.6.22 | Supply of 3 Core 1.5 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini / Khantii. | 100 RM | 5431 |
| 198 | ELEC-1.6.23 | Supply of 3 Core 2.5 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini / Khanti. | 100 RM | 8339 |
| 199 | ELEC-1.6.24 | Supply of 3 Core 4.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 12509 |
| 200 | ELEC-1.6.25 | Supply of 3 Core 6.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 18434 |
| 201 | ELEC-1.6.26 | Supply of 3 Core 10.0 Sqmm Flat Copper cable as per IS 694:1990 for Submersible Motors. Makes: HPL / RPG / Nandicab / Gemini. | 100 RM | 29955 |
| | 1.7 | FLUSH TYPE SWITCHES AND ACCESSORIES | | |
| 202 | ELEC-1.7.1 | Supply of 6A 1 Way flush type Swich. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 18 |
| 203 | ELEC-1.7.2 | Supply of 6A 2 Way flush type Swich. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 21 |
| 204 | ELEC-1.7.3 | Supply of 6A 2 pin flush type Socket. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 20 |
| 205 | ELEC-1.7.4 | Supply of 6A 3/2 pin flush type Socket with shutter. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 27 |
| 206 | ELEC-1.7.5 | Supply of 6A flush type Neon Indicator. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 20 |
| 207 | ELEC-1.7.6 | Supply of 6A Triangle Plug Top of Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 35 |
| 208 | ELEC-1.7.7 | Supply of 6A 1 Way flush type Bed Swich / Bell Push. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 21 |
| 209 | ELEC-1.7.8 | Supply of 16A flush type Swich. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 65 |
| 210 | ELEC-1.7.9 | Supply of 16A flush type Socket with shutter. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 65 |
| 211 | ELEC-1.7.10 | Supply of 16A flush type Switch Socket combined (2 in one). Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 102 |
| 212 | ELEC-1.7.11 | Supply of 16A Triangle Plug Top Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 50 |
| 213 | ELEC-1.7.12 | Supply of stepped type Electronic Regulator. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 198 |
| 214 | ELEC-1.7.13 | Supply of 3 Plate Jumbo Ceiling Rose Makes: Anchor / Gold Medal Olive / Million Zoom. | 1 No | 21 |
| 215 | ELEC-1.7.14 | Supply of BH / SBH. Makes: Anchor / Gold Medal Olive / Million Zoom. | 1 No | 20 |
| 216 | ELEC-1.7.15 | Supply of Pendent Holder / Adopter. Makes: Anchor / Gold Medal Olive / Million Zoom. | 1 No | 17 |
| 217 | ELEC-1.7.16 | Supply of Telephone Jack with Connector. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega | 1 No | 48 |
| 218 | ELEC-1.7.17 | Supply of TV Antenna Outlet. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta | 1 No | 26 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | Cherry / Great white Omega | | |
| 219 | ELEC-1.7.18 | Supply of 15A/10A Flush type Fuse. Makes: GM / Million / Gold Medal / Maru Mantero / Anchor Penta Cherry / Great white. | 1 No | 32 |
| 220 | ELEC-1.7.19 | Supply of 32A DP Flush type. Makes: GM / Million / Gold Medal / Maru Mantero / Anchor Penta Cherry / Great white. | 1 No | 106 |
| 221 | ELEC-1.7.20 | Supply of Calling Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 50 |
| 222 | ELEC-1.7.21 | Supply of Buzzer. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 45 |
| 223 | ELEC-1.7.22 | Supply of Ding Dong Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 102 |
| 224 | ELEC-1.7.23 | Supply of Electronic Musical Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 240 |
| 225 | ELEC-1.7.24 | Supply of Remote Bell. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 450 |
| 226 | ELEC-1.7.25 | Supply of MC Holder. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 21 |
| 227 | ELEC-1.7.26 | Supply of Spike Guard with 1 No Switch and 4 Nos Sockets. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 310 |
| 228 | ELEC-1.7.27 | Supply of Spike Guard with 4 No Switches and 4 Nos Sockets. Makes: GM / Million / Gold Medal / Maru / Anchor / Great white. | 1 No | 410 |
| 229 | ELEC-1.7.28 | Supply of 6A 1 Way flush type Switch. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 15 |
| 230 | ELEC-1.7.29 | Supply of 6A 2 Way flush type Swich. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 19 |
| 231 | ELEC-1.7.30 | Supply of 6A 2 pin flush type Socket. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 15 |
| 232 | ELEC-1.7.31 | Supply of 6A 3/2 pin flush type Socket with shutter. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 20 |
| 233 | ELEC-1.7.32 | Supply of 6A flush type Neon Indicator Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 18 |
| 234 | ELEC-1.7.33 | Supply of 6A Triangle Plug Top Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 28 |
| 235 | ELEC-1.7.34 | Supply of 6A 1 Way flush type Bed Swich / Bell Push. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 18 |
| 236 | ELEC-1.7.35 | Supply of 16A flush type Swich. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 55 |
| 237 | ELEC-1.7.36 | Supply of 16A flush type Socket with shutter. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 55 |
| 238 | ELEC-1.7.37 | Supply of 16A flush type Switch Socket combined (2 in one). Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 85 |
| 239 | ELEC-1.7.38 | Supply of 16A Triangle Plug Top Makes: Vimal opel / Maru Mantero / Starex Smile / CPL / Pleasure on. | 1 No | 44 |
| 240 | ELEC-1.7.39 | Supply of stepped type Electronic Regulator. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL. | 1 No | 162 |
| 241 | ELEC-1.7.40 | Supply of 3 Plate Jumbo Ceiling Rose. Makes: Vimal opel / Maru Mantero / Starex Smile / CPL. | 1 No | 16 |
| 242 | ELEC-1.7.41 | Supply of 32A DP Flush type of Makes: Milltec / Vimal / Star | 1 No | 85 |
| | | 1.8 MINI MODULAR SWITCHES AND ACCESSORIES | | |
| 243 | ELEC-1.8.1 | Supply of 6A 1 Way Mini Modular Switch with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 23 |
| 244 | ELEC-1.8.2 | Supply of 6A 2 Way Mini Modular Switch with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 26 |
| 245 | ELEC-1.8.3 | Supply of 6A 2 Pin Mini Modular Socket with Cover Frame Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 24 |
| 246 | ELEC-1.8.4 | Supply of 6A 3/2 Pin Mini Modular Socket with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 35 |
| 247 | ELEC-1.8.5 | Supply of 6A Mini Modular Neon Indicator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 28 |
| 248 | ELEC-1.8.6 | Supply of 6A Mini Modular Bed Switch / Bell Push with Cover Frame. | 1 No | 26 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | | |
| 249 | ELEC-1.8.7 | Supply of 6A 1 Way Mini Modular Switch with Neon Indicator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 28 |
| 250 | ELEC-1.8.8 | Supply of 6A Mini Modular Bell Push with Neon Indicator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 39 |
| 251 | ELEC-1.8.9 | Supply of 16A Mini Modular Switch with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 80 |
| 252 | ELEC-1.8.10 | Supply of 16A (2 in one) Mini Modular Switch & Socket combined with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 110 |
| 253 | ELEC-1.8.11 | Supply of 16A Triangle Top with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 49 |
| 254 | ELEC-1.8.12 | Supply of Mini Modular Stepped type Electronic Regulator with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 204 |
| 255 | ELEC-1.8.13 | Supply of Mini Modular Telephone Jack with Connector with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 54 |
| 256 | ELEC-1.8.14 | Supply of Mini Modular TV Antenna Outlet with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 35 |
| 257 | ELEC-1.8.15 | Supply of 16A/10A Mini Modular Flush Fuse with Cover Frame. Makes: GM / Anchor / Million / Vimal / Gold Medal / Maru / CPL / Great White. | 1 No | 40 |
| | 1.9 | MODULAR SWITCHES AND ACCESSORIES | | |
| 258 | ELEC-1.9.1 | Supply of 6A / 10A 1 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 92 |
| 259 | ELEC-1.9.2 | Supply of 6A / 10A 2 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 101 |
| 260 | ELEC-1.9.3 | Supply of 6A / 10A 2 Pin 2 Module Modular Socket. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 93 |
| 261 | ELEC-1.9.4 | Supply of 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 141 |
| 262 | ELEC-1.9.5 | Supply of 6A / 10A 1 Module Modular Switch with Neon Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 117 |
| 263 | ELEC-1.9.6 | Supply of 6A / 10A Modular Bell Push with Neon Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 137 |
| 264 | ELEC-1.9.7 | Supply of 16A / 10A Modular Flush Fuse with Neon Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 126 |
| 265 | ELEC-1.9.8 | Supply of 16A / 20A 1 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 126 |
| 266 | ELEC-1.9.9 | Supply of 16A / 20A 2 Way 1 Module Modular Switch. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 138 |
| 267 | ELEC-1.9.10 | Supply of 20A 1 Way 1 Module Modular Switch with Indicator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 138 |
| 268 | ELEC-1.9.11 | Supply of 20A Modular Socket with shutter. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 188 |
| 269 | ELEC-1.9.12 | Supply of 16A/6A 1 way Combi Socket Modular Socket with shutter. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 196 |
| 270 | ELEC-1.9.13 | Supply of 16A Triangle Top. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 158 |
| 271 | ELEC-1.9.14 | Supply of 1 Module Modular type Electronic step type Fan Regulator. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 378 |
| 272 | ELEC-1.9.15 | Supply of Modular socket type Telephone jack with Connector. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 100 |
| 273 | ELEC-1.9.16 | Supply of Modular co-Axial socket type TV Antenna outlet. Makes: Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 98 |
| 274 | ELEC-1.9.17 | Supply of 6A / 10A 1 Way 1 Module Modular Switch. | 1 No | 63 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | | |
| 275 | ELEC-1.9.18 | Supply of 6A / 10A 2 Way 1 Module Modular Switch. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 75 |
| 276 | ELEC-1.9.19 | Supply of 6A / 10A 2 Pin 1 Module Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 64 |
| 277 | ELEC-1.9.20 | Supply of 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 93 |
| 278 | ELEC-1.9.21 | Supply of 6A / 10A 1 Module Modular Switch with Neon Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 75 |
| 279 | ELEC-1.9.22 | Supply of 6A / 10A 1 Module Modular Bell Push with Neon Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 90 |
| 280 | ELEC-1.9.23 | Supply of 16A / 10A 1 Module Modular Flush Fuse with Neon Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 83 |
| 281 | ELEC-1.9.24 | Supply of 16A / 20A 1 Way 1 Module Modular Switch. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 83 |
| 282 | ELEC-1.9.25 | Supply of 16A / 20A 2 Way 1 Module Modular Switch. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 95 |
| 283 | ELEC-1.9.26 | Supply of 20A 1 Way 1 Module Modular Switch with Indicator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 91 |
| 284 | ELEC-1.9.27 | Supply of 20A 2 Module Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 133 |
| 285 | ELEC-1.9.28 | Supply of 16A/6A 1 way 2 Module Combi Socket Modular Socket with shutter. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 135 |
| 286 | ELEC-1.9.29 | Supply of 16A Triangle Top. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 65 |
| 287 | ELEC-1.9.30 | Supply of 1 Module Modular type Electronic step type Fan Regulator. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 319 |
| 288 | ELEC-1.9.31 | Supply of Modular socket type Telephone jack with Connector. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 65 |
| 289 | ELEC-1.9.32 | Supply of Modular co-Axial socket type TV Antenna outlet. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision. | 1 No | 64 |
| 290 | ELEC-1.9.33 | Supply of 1 or 2 Modular Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blinge. | 1 No | 65 |
| 291 | ELEC-1.9.34 | Supply of 3 Modular Cover Frame. | 1 No | 77 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge. | | |
| 292 | ELEC-1.9.35 | Supply of 4 Modular Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 89 |
| 293 | ELEC-1.9.36 | Supply of 6 Modular Cover Frame . Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 130 |
| 294 | ELEC-1.9.37 | Supply of 8 Modular Horizontal / Vertical Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 172 |
| 295 | ELEC-1.9.38 | Supply of 12 Modular Vertical Cover Frame. Makes: GM Four-Five / Legrand Arteor / Schneider Zen celo / MK Blenge. | 1 No | 210 |
| 296 | ELEC-1.9.39 | Supply of 1 or 2 Modular Cover Frame Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL. | 1 No | 56 |
| 297 | ELEC-1.9.40 | Supply of 3 Modular Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL. | 1 No | 69 |
| 298 | ELEC-1.9.41 | Supply of 4 Modular Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL. | 1 No | 81 |
| 299 | ELEC-1.9.42 | Supply of 6 Modular Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL. | 1 No | 108 |
| 300 | ELEC-1.9.43 | Supply of 8 Modular Horizontal / Vertical Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL. | 1 No | 137 |
| 301 | ELEC-1.9.44 | Supply of 12 Modular Vertical Cover Frame. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / Anchor Roma viola / CPL. | 1 No | 167 |
| | | SECTION - 2 | | |
| | 2.1 | PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU) AS PER IS: 13947 | | |
| 302 | ELEC-2.1.1 | Supply of 32A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 1419 |
| 303 | ELEC-2.1.2 | Supply of 63A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 2445 |
| 304 | ELEC-2.1.3 | Supply of 125A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 5857 |
| 305 | ELEC-2.1.4 | Supply of 200A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 7644 |
| 306 | ELEC-2.1.5 | Supply of 250A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 9177 |
| 307 | ELEC-2.1.6 | Supply of 400A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 14128 |
| 308 | ELEC-2.1.7 | Supply of 630A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: L&T / G E / C&S / ABB / SIEMENS | 1 No | 23897 |
| 309 | ELEC-2.1.8 | Supply of 32A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 1185 |
| 310 | ELEC-2.1.9 | Supply of 63A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 1777 |
| 311 | ELEC-2.1.10 | Supply of 125A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 4018 |
| 312 | ELEC-2.1.11 | Supply of 200A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 6072 |

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| 1 | 2 | 3 | 4 | 5 |
| 313 | ELEC-2.1.12 | Supply of 250A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 6847 |
| 314 | ELEC-2.1.13 | Supply of 400A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 10458 |
| 315 | ELEC-2.1.14 | Supply of 630A TPN Switch Disconnector Fuse Unit Cubical type without fuses. Makes: Standard / Havells / HPL / Indo Asian | 1 No | 17365 |
| | 2.2 | ON LOAD CHANEOVER SWITCHES (OPEN EXECUTION) AS PER IS:13947 | | |
| 316 | ELEC-2.2.1 | Supply of 63A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T | 1 No | 4549 |
| 317 | ELEC-2.2.2 | Supply of 125A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T | 1 No | 8611 |
| 318 | ELEC-2.2.3 | Supply of 200A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T | 1 No | 11521 |
| 319 | ELEC-2.2.4 | Supply of 250A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T | 1 No | 16372 |
| 320 | ELEC-2.2.5 | Supply of 400A 4 Pole Change Over Switch on Load with open Execution. Makes: Socomec / L & T | 1 No | 24983 |
| 321 | ELEC-2.2.6 | Supply of 630A 4 Pole Change Over Switch on Load with open Execution of Makes: Socomec / L & T | 1 No | 29713 |
| 322 | ELEC-2.2.7 | Supply of 63A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 4124 |
| 323 | ELEC-2.2.8 | Supply of 125A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 8011 |
| 324 | ELEC-2.2.9 | Supply of 200A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 10603 |
| 325 | ELEC-2.2.10 | Supply of 250A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 15080 |
| 326 | ELEC-2.2.11 | Supply of 400A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 23444 |
| 327 | ELEC-2.2.12 | Supply of 630A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 28157 |
| 328 | ELEC-2.2.13 | Supply of 32A 4 Pole Change Over Switch on Load with open Execution. Makes: ABB / GE / Siemens / Standard / Havells / Indo Asian / C&S. | 1 No | 1582 |
| | 2.3 | OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE AS PER IS:13947 | | |
| 329 | ELEC-2.3.1 | Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure. Makes: HPL / Havells / Standard / Indo Asian | 1 No | 1450 |
| 330 | ELEC-2.3.2 | Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: HPL / Havells / Standard / Indo Asian | 1 No | 5053 |
| 331 | ELEC-2.3.3 | Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: HPL / Havells / Standard / Indo Asian | 1 No | 7707 |
| 332 | ELEC-2.3.4 | Supply of 32A 240V DP Off load Changeover Switch in sheet steel enclosure. Makes: Million / Bentec / Gold Medal / Star. | 1 No | 836 |
| 333 | ELEC-2.3.5 | Supply of 63A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: Million / Bentec / Gold Medal / Star. | 1 No | 2937 |
| 334 | ELEC-2.3.6 | Supply of 100A 415V FP Off load Changeover Switch in sheet steel enclosure. Makes: Million / Bentec / Gold Medal / Star. | 1 No | 5521 |
| | 2.4 | REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE | | |

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| 1 | 2 | 3 | 4 | 5 | |
| | | AS PER IS:13947 | | | |
| 335 | ELEC-2.4.1 | Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab | 1 No | 1030 | |
| 336 | ELEC-2.4.2 | Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab | 1 No | 1591 | |
| 337 | ELEC-2.4.3 | Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab | 1 No | 3632 | |
| 338 | ELEC-2.4.4 | Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: HPL / Havells / Standard / Kundancab | 1 No | 6763 | |
| 339 | ELEC-2.4.5 | Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuses. Makes: HPL / Havells / Standard / Kundancab | 1 No | 6809 | |
| 340 | ELEC-2.4.6 | Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuses. Makes: HPL / Havells / Standard / Kundancab | 1 No | 9928 | |
| 341 | ELEC-2.4.7 | Supply of 32A 240V SPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star. | 1 No | 682 | |
| 342 | ELEC-2.4.8 | Supply of 32A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star. | 1 No | 1085 | |
| 343 | ELEC-2.4.9 | Supply of 63A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star. | 1 No | 2468 | |
| 344 | ELEC-2.4.10 | Supply of 100A 415V TPN Rewirable Fuse Switch in SS enclosure. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star. | 1 No | 4808 | |
| 345 | ELEC-2.4.11 | Supply of 100A 415V TPN Double Break Switch in SS enclosure without fuse. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star. | 1 No | 4967 | |
| 346 | ELEC-2.4.12 | Supply of 200A 415V TPN Double Break Switch in SS enclosure without fuse. Makes: GM / Million / Sputnik / Sigma / Gold Medal / Bentec / Star. | 1 No | 8134 | |
| | | 2.5 HRC FUSE LINKS (BOLTED TYPE) | | | |
| 347 | ELEC-2.5.1 | Supply of up to 32A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian | 1 No | 50 | |
| 348 | ELEC-2.5.2 | Supply of 32A to 63A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian | 1 No | 77 | |
| 349 | ELEC-2.5.3 | Supply of 125A to 200A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian | 1 No | 248 | |
| 350 | ELEC-2.5.4 | Supply of 250A to 350A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian | 1 No | 363 | |
| 351 | ELEC-2.5.5 | Supply of 400A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian | 1 No | 704 | |
| 352 | ELEC-2.5.6 | Supply of 630A HRC Fuse Links. Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian | 1 No | 1425 | |
| | | 2.6 PORCELAIN REWIRABLE FUSE UNITS. | | | |
| 353 | ELEC-2.6.1 | Supply of 32A 240V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec. | 1 No | 99 | |
| 354 | ELEC-2.6.2 | Supply of 32A 415V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec. | 1 No | 123 | |
| 355 | ELEC-2.6.3 | Supply of 63A 415V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec. | 1 No | 259 | |
| 356 | ELEC-2.6.4 | Supply of 100A 415V Porcelain Rewirable Fuse Units. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec. | 1 No | 484 | |
| 357 | ELEC-2.6.5 | Supply of 200A 415V Porcelain Rewirable Fuse Units with extension strip. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec. | 1 No | 891 | |
| 358 | ELEC-2.6.6 | Supply of 300A 415V Porcelain Rewirable Fuse Units with extension strip. Makes: GM / Sputnik / Million / Gold Medal / Vimal / Star / Bentec. | 1 No | 1182 | |
| | | 2.7 VOLTAGE SURGE PROTECTORS | | | |
| 359 | ELEC-2.7.1 | Supply of 2 Pole 2 Module 40 KA 1.4 KV Voltage Surge Protector. Makes: Legrand / Siemens / G E. | 1 No | 8000 | |
| 360 | ELEC-2.7.2 | Supply of 4 Pole 4 Module 40 KA 1.4 KV Voltage Surge Protector. Makes: Legrand / Siemens / G E. | 1 No | 15000 | |
| 361 | ELEC-2.7.3 | Supply of 2 Pole 2 Module 15 KA 1.2 KV Voltage Surge Protector. | 1 No | 6400 | |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: Legrand / Siemens / G E. | | |
| 362 | ELEC-2.7.4 | Supply of 4 Pole 4 Module 15 KA 1.2 KV Voltage Surge Protector. Makes: Legrand / Siemens / G E. | 1 No | 12000 |
| 363 | ELEC-2.7.5 | Supply of 2 Pole 2 Module 40 KA 1.4 KV Voltage Surge Protector of Makes: L&T / Hager | 1 No | 6125 |
| 364 | ELEC-2.7.6 | Supply of 4 Pole 4 Module 40 KA 1.4 KV Voltage Surge Protector. Makes: L&T / Hager | 1 No | 12000 |
| 365 | ELEC-2.7.7 | Supply of 2 Pole 2 Module 15 KA 1.2 KV Voltage Surge Protector. Makes: L&T / Hager | 1 No | 5000 |
| 366 | ELEC-2.7.8 | Supply of 4 Pole 4 Module 15 KA 1.2 KV Voltage Surge Protector. Makes: L&T / Hager | 1 No | 10000 |
| | | 2.8 PANEL MOUNTING MCCBs/ ACBs (Thermal Magnetic Release) | | |
| 367 | ELEC-2.8.1 | Supply of 63A / 60A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand | 1 No | 6363 |
| 368 | ELEC-2.8.2 | Supply of 125A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand | 1 No | 7554 |
| 369 | ELEC-2.8.3 | Supply of 250A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens. | 1 No | 16826 |
| 370 | ELEC-2.8.4 | Supply of 400A 3 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens. | 1 No | 22775 |
| 371 | ELEC-2.8.5 | Supply of 63A / 60A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand | 1 No | 7154 |
| 372 | ELEC-2.8.6 | Supply of 125A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens / Legrand | 1 No | 9135 |
| 373 | ELEC-2.8.7 | Supply of 250A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 35/36 KA with thermal magnetic release Panel Mounted. Makes: L&T (DN2-250D) / Schneider / Siemens / Hager | 1 No | 21859 |
| 374 | ELEC-2.8.8 | Supply of 400A 4 Pole MCCB, Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA with thermal magnetic release Panel Mounted. Makes: L&T / Schneider / Siemens. | 1 No | 27518 |
| 375 | ELEC-2.8.9 | Supply of 63A / 60A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 4229 |
| 376 | ELEC-2.8.10 | Supply of 125A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 4807 |
| 377 | ELEC-2.8.11 | Supply of 250A 3 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 36/35 KA with thermal magnetic release Panel Mounted. Makes: Legrand / GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 14823 |
| 378 | ELEC-2.8.12 | Supply of 63A / 60A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 5668 |
| 379 | ELEC-2.8.13 | Supply of 125A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 25 KA with thermal magnetic release Panel Mounted. Makes: GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 6322 |
| 380 | ELEC-2.8.14 | Supply of 250A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 36 KA with thermal magnetic release Panel Mounted. Makes: Legrand / GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 18010 |

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| 1 | 2 | 3 | 4 | 5 |
| 381 | ELEC-2.8.15 | Supply of 400A 4 Pole MCCB / Confirms to IS/IEC 60947-2 having Breaking Capacity 50 KA with thermal magnetic release Panel Mounted. Makes: Legrand / GE / ABB / Havells / HPL / Standard / Indo Asian / C&S. | 1 No | 22890 |
| | | PANEL MOUNTING ACBs (Microprocessor Based) | | |
| 382 | ELEC-2.8.16 | Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: Siemens / L&T / Schneider. | 1 No | 109666 |
| 383 | ELEC-2.8.17 | Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: Siemens / L&T / Schneider make. | 1 No | 136333 |
| 384 | ELEC-2.8.18 | Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: Siemens / L&T / Schneider make. | 1 No | 146783 |
| 385 | ELEC-2.8.19 | Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: Siemens / L&T / Schneider make. | 1 No | 181804 |
| 386 | ELEC-2.8.20 | Supply of 800A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault protection. Makes: Siemens / L&T / Schneider. | 1 No | 154640 |
| 387 | ELEC-2.8.21 | Supply of 800A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault protection. Makes: Siemens / L&T / Schneider | 1 No | 191881 |
| 388 | ELEC-2.8.22 | Supply of 1000A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault protection. Makes: Siemens / L&T / Schneider. | 1 No | 162519 |
| 389 | ELEC-2.8.23 | Supply of 1000A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault protectio. Makes: Siemens / L&T / Schneider. | 1 No | 204637 |
| 390 | ELEC-2.8.24 | Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S | 1 No | 97760 |
| 391 | ELEC-2.8.25 | Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically fixed Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S. | 1 No | 121531 |
| 392 | ELEC-2.8.26 | Supply of 630A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S. | 1 No | 130846 |
| 393 | ELEC-2.8.27 | Supply of 630A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault Protection. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S. | 1 No | 162065 |
| 394 | ELEC-2.8.28 | Supply of 800A 3 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, shot circuit and earth fault protection. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S. | 1 No | 137850 |

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| 1 | 2 | 3 | 4 | 5 |
| 395 | ELEC-2.8.29 | Supply of 800A 4 Pole, 50kA Air Circuit Breaker electrically drawout Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processer based having over load, short circuit and earth fault protection. Makes: ABB / Legrand / HPL / GE / Indo Asian / C&S. | 1 No | 171049 |
| 396 | ELEC-2.8.30 | Supply, instalation, testing and commissioning of 800 Amp, 50KA breaking capacity (100% Neutral busbar) air insulated compact Raising mains system made of CRCA sheet steel encloser of thickness not less than 1.5 mm having degree of protection of IP 55 as per 2127. wall strapes, fully PVC insulated four strip ALUMINIUM busbar in convinient sections including , end feed unit, end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc., Makes: Legrand / L&T / Seimens / Schiender / GE | 1 RM | 13328 |
| 397 | ELEC-2.8.31 | Supply and Fixing of Spring suspension hanger for rising Main for 400A / 800A Raising Mains. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 5385 |
| 398 | ELEC-2.8.32 | Supply and Fixing of Suspension brackets for rising main for 400A / 800A Raising Mains. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 4665 |
| 399 | ELEC-2.8.33 | Supply and Fixing of 800 Amps Horizontal / Vertical bends. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 34800 |
| 400 | ELEC-2.8.34 | Supply and Fixing of Adopter box for 400A / 800A Raising Mains. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 15000 |
| 401 | ELEC-2.8.35 | Supply and Fixing of 800 Amps Copper Flexibles for three phases and neutral. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 46550 |
| 402 | ELEC-2.8.36 | Supply, instalation, testing and commissioning of 400 Amp, 50KA breaking capacity (100% Neutral busbar) air insulated compact Raising mains system made of CRCA sheet steel encloser of thickness not less than 1.5 mm having degree of protection of IP 55 as per 2127. wall strapes, fully PVC insulated four strip ALUMINIUM busbar in convinient sections including required end feed unit, end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc., Makes: Legrand / L&T / Seimens / Schiender / GE | 1 RM | 10413 |
| 403 | ELEC-2.8.37 | Supply and Fixing of 400 Amps Horizontal / Vertical bends. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 32750 |
| 404 | ELEC-2.8.38 | Supply and Fixing of 400 Amps Copper Flexibles for three phases and neutral. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 40850 |
| 405 | ELEC-2.8.39 | Supply and Fixing of 400 Amps Tap off box. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 44550 |
| 406 | ELEC-2.8.40 | Supply and Fixing of 250 Amps Tap off box. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 41600 |
| 407 | ELEC-2.8.41 | Supply and Fixing of 250 Amps TPN 36KA DPX250-ER MCCB for tap off boxes for power supply. Makes: Legrand / L&T / Seimens / Schiender / GE | 1 No | 16573 |
| | 2.9 | MCBs (AS PER IS:60898-1:2002) | | |
| 408 | ELEC-2.9.1 | Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 201 |
| 409 | ELEC-2.9.2 | Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 423 |
| 410 | ELEC-2.9.3 | Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 595 |
| 411 | ELEC-2.9.4 | Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 962 |
| 412 | ELEC-2.9.5 | Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 955 |
| 413 | ELEC-2.9.6 | Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 1477 |
| 414 | ELEC-2.9.7 | Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 1281 |
| 415 | ELEC-2.9.8 | Supply of 40-63A FP MCB, C/D Curve ISI Mark. Makes: Legrand / Schneider. | 1 No | 1899 |
| 416 | ELEC-2.9.9 | Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 162 |
| 417 | ELEC-2.9.10 | Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 356 |
| 418 | ELEC-2.9.11 | Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / | 1 No | 512 |

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| 1 | 2 | 3 | 4 | 5 |
| 419 | ELEC-2.9.12 | Indo Asian / C&S. Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 701 |
| 420 | ELEC-2.9.13 | Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 818 |
| 421 | ELEC-2.9.14 | Supply of 40-63A 10KA TP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 1134 |
| 422 | ELEC-2.9.15 | Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 1062 |
| 423 | ELEC-2.9.16 | Supply of 40 - 63A 10KA FP MCB, C/D Curve ISI Mark. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.. | 1 No | 1424 |
| 424 | ELEC-2.9.17 | Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 121 |
| 425 | ELEC-2.9.18 | Supply of 40-63A 10KA SP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 221 |
| 426 | ELEC-2.9.19 | Supply of 6-32A 10KA DP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 335 |
| 427 | ELEC-2.9.20 | Supply of 40-63A 10KA DP MCB, C/D Curve ISI Mark C-Curve. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 501 |
| 428 | ELEC-2.9.21 | Supply of 6-32A 10KA TP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 612 |
| 429 | ELEC-2.9.22 | Supply of 40 - 63A 10KA TP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 945 |
| 430 | ELEC-2.9.23 | Supply of 6-32A 10KA FP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 787 |
| 431 | ELEC-2.9.24 | Supply of 40 - 63A 10KA FP MCB, C/D Curve ISI Mark. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 1112 |
| | 2.10 | ISOLATORS CONFIRMS TO IEC 60947 PART-III | | |
| 432 | ELEC-2.10.1 | Supply of 32A DP Isolator. Makes: Legrand / Schneider. | 1 No | 338 |
| 433 | ELEC-2.10.2 | Supply of 40A DP Isolator. Makes: Legrand / Schneider. | 1 No | 367 |
| 434 | ELEC-2.10.3 | Supply of 63A DP Isolator. Makes: Legrand / Schneider. | 1 No | 488 |
| 435 | ELEC-2.10.4 | Supply of 40A TP Isolator. Makes: Legrand / Schneider. | 1 No | 624 |
| 436 | ELEC-2.10.5 | Supply of 63A TP Isolator. Makes: Legrand / Schneider. | 1 No | 725 |
| 437 | ELEC-2.10.6 | Supply of 40A FP Isolator. Makes: Legrand / Schneider. | 1 No | 814 |
| 438 | ELEC-2.10.7 | Supply of 63A FP Isolator. Makes: Legrand / Schneider. | 1 No | 890 |
| 439 | ELEC-2.10.8 | Supply of 100A FP Isolator. Makes: Legrand / Schneider. | 1 No | 956 |
| 440 | ELEC-2.10.9 | Supply of 32A DP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 318 |
| 441 | ELEC-2.10.10 | Supply of 40A DP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 334 |
| 442 | ELEC-2.10.11 | Supply of 63A DP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.. | 1 No | 411 |
| 443 | ELEC-2.10.12 | Supply of 40A TP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S.. | 1 No | 585 |

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| 1 | 2 | 3 | 4 | 5 |
| 444 | ELEC-2.10.13 | Supply of 63A TP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 590 |
| 445 | ELEC-2.10.14 | Supply of 40A FP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 678 |
| 446 | ELEC-2.10.15 | Supply of 63A FP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 734 |
| 447 | ELEC-2.10.16 | Supply of 100A FP Isolator. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 918 |
| 448 | ELEC-2.10.17 | Supply of 32A DP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 215 |
| 449 | ELEC-2.10.18 | Supply of 40A DP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 258 |
| 450 | ELEC-2.10.19 | Supply of 63A DP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 345 |
| 451 | ELEC-2.10.20 | Supply of 40A TP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 383 |
| 452 | ELEC-2.10.21 | Supply of 63A TP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 428 |
| 453 | ELEC-2.10.22 | Supply of 40A FP Isolator. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 572 |
| 2.11 RCCBs CONFIRMS TO IEC:61008 AND IS:12640 | | | | |
| 454 | ELEC-2.11.1 | Supply of 40A 2 Pole RCCB 30mA, Makes: Legrand / Schneider. | 1 No | 2700 |
| 455 | ELEC-2.11.2 | Supply of 63A 2 Pole RCCB 30mA, Makes: Legrand / Schneider. | 1 No | 3300 |
| 456 | ELEC-2.11.3 | Supply of 40A 2 Pole RCCB 100mA, Makes: Legrand / Schneider. | 1 No | 2900 |
| 457 | ELEC-2.11.4 | Supply of 63A 2 Pole RCCB 100mA, Makes: Legrand / Schneider. | 1 No | 3330 |
| 458 | ELEC-2.11.5 | Supply of 40A 4 Pole RCCB 30mA, Makes: Legrand / Schneider. | 1 No | 2970 |
| 459 | ELEC-2.11.6 | Supply of 63A 4 Pole RCCB 30mA, Makes: Legrand / Schneider. | 1 No | 3515 |
| 460 | ELEC-2.11.7 | Supply of 40A 4 Pole RCCB 100mA, Makes: Legrand / Schneider. | 1 No | 3135 |
| 461 | ELEC-2.11.8 | Supply of 63A 4 Pole RCCB 100mA, Makes: Legrand / Schneider. | 1 No | 4000 |
| 462 | ELEC-2.11.9 | Supply of 40A 2 Pole RCCB 30mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 2152 |
| 463 | ELEC-2.11.10 | Supply of 63A 2 Pole RCCB 30mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. . | 1 No | 2902 |
| 464 | ELEC-2.11.11 | Supply of 40A 2 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 2118 |
| 465 | ELEC-2.11.12 | Supply of 63A 2 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 2780 |
| 466 | ELEC-2.11.13 | Supply of 40A 4 Pole RCCB 30mA. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. .. | 1 No | 2647 |
| 467 | ELEC-2.11.14 | Supply of 40A 4 Pole RCCB 30mA. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. .. | 1 No | 3019 |
| 468 | ELEC-2.11.15 | Supply of 40A 4 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 2558 |
| 469 | ELEC-2.11.16 | Supply of 63A 4 Pole RCCB 100mA, Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager / Indo Asian / C&S. | 1 No | 2947 |
| 470 | ELEC-2.11.17 | Supply of MCB type Change Over Switch 20A Double Pole 2 way | 1 No | 1880 |

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| 1 | 2 | 3 | 4 | 5 |
| | | 400V AC suitable to fix on Din Channel of Makes: Legrand / Schneider. | | |
| | 2.12 | MCB (AS PER IS:13032) | DISTRIBUTION BOARDS | |
| 471 | ELEC-2.12.1 | Supply of 4 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 760 |
| 472 | ELEC-2.12.2 | Supply of 8 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 8Nos S.P out goings and for 1 No Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 880 |
| 473 | ELEC-2.12.3 | Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 12Nos S.P out goings and for 1 No Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 1045 |
| 474 | ELEC-2.12.4 | Supply of 4 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 990 |
| 475 | ELEC-2.12.5 | Supply of 8 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 8Nos S.P out goings and for 1 No Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 1245 |
| 476 | ELEC-2.12.6 | Supply of 12 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 12Nos S.P out goings and for 1 No Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 1505 |
| 477 | ELEC-2.12.7 | Supply of 4 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 463 |
| 478 | ELEC-2.12.8 | Supply of 8 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 606 |
| 479 | ELEC-2.12.9 | Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 695 |
| 480 | ELEC-2.12.10 | Supply of 4 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 800 |
| 481 | ELEC-2.12.11 | Supply of 8 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 1130 |
| 482 | ELEC-2.12.12 | Supply of 12 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 1350 |
| 483 | ELEC-2.12.13 | Supply of 4 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.. | 1 No | 328 |
| 484 | ELEC-2.12.14 | Supply of 8 Way SPN DB with IP 20 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.. | 1 No | 446 |
| 485 | ELEC-2.12.15 | Supply of 12 Way SPN DB with IP 20 Protection as per IS:13032 and | 1 No | 547 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | | |
| 486 | ELEC-2.12.16 | Supply of 4 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 4Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.. | 1 No | 551 |
| 487 | ELEC-2.12.17 | Supply of 8 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 8 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard.. | 1 No | 756 |
| 488 | ELEC-2.12.18 | Supply of 12 Way SPN DB with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P out goings and for 1 No Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 957 |
| 489 | ELEC-2.12.19 | Supply of 4 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 1500 |
| 490 | ELEC-2.12.20 | Supply of 8 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 2200 |
| 491 | ELEC-2.12.21 | Supply of 12 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 4205 |
| 492 | ELEC-2.12.22 | Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 2491 |
| 493 | ELEC-2.12.23 | Supply of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 3750 |
| 494 | ELEC-2.12.24 | Supply of 12 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 5429 |
| 495 | ELEC-2.12.25 | Supply of 4 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 5125 |
| 496 | ELEC-2.12.26 | Supply of 8 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 6322 |
| 497 | ELEC-2.12.27 | Supply of 12 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Legrand / Schneider. | 1 No | 9202 |
| 498 | ELEC-2.12.28 | Supply of 4 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP out goings etc complete. Makes: Legrand / Schneider. | 1 No | 6045 |
| 499 | ELEC-2.12.29 | Supply of 6 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP out goings etc complete. Makes: Legrand / Schneider. | 1 No | 7000 |
| 500 | ELEC-2.12.30 | Supply of 8 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete. Makes: Legrand / Schneider. | 1 No | 7770 |
| 501 | ELEC-2.12.31 | Supply of 12 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete. Makes: Legrand / Schneider. | 1 No | 10078 |
| 502 | ELEC-2.12.32 | Supply of 7 Segment 4 Way TPN DB with IP 42 Protection with | 1 No | 6500 |

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| 1 | 2 | 3 | 4 | 5 |
| | | provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 12 Nos SPMCB's as out going. Makes: Legrand / Schneider. | | |
| 503 | ELEC-2.12.33 | Supply of 7 Segment 8 Way TPN DB with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 24Nos SPMCB's as out going. Makes: Legrand / Schneider. | 1 No | 7800 |
| 504 | ELEC-2.12.34 | Supply of 4 Way VTPN DB suitable for accomodating 125A / 160A 4 Pole MCCB as incomer and 4 Nos TP MCBs as outgoing and with IP 43 Protection. Makes: Legrand / Schneider. | 1 No | 7843 |
| 505 | ELEC-2.12.35 | Supply of 8 Way VTPN DB suitable for accomodating 125A / 160A 4 Pole MCCB as incomer and 8 Nos TP MCBs as outgoing and with IP 43 Protection. Makes: Legrand / Schneider. | 1 No | 9823 |
| 506 | ELEC-2.12.36 | Supply of 20A SP Plug and Socket in SS enclosure. Makes: Legrand / Schneider. | 1 No | 901 |
| 507 | ELEC-2.12.37 | Supply of 20A TP Plug and Socket in SS enclosure. Makes: Legrand / Schneider. | 1 No | 1915 |
| 508 | ELEC-2.12.38 | Supply of 32A TP Plug and Socket in SS enclosure. Makes: Legrand / Schneider. | 1 No | 2287 |
| 509 | ELEC-2.12.39 | Supply of 4 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 1550 |
| 510 | ELEC-2.12.40 | Supply of 8 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 2200 |
| 511 | ELEC-2.12.41 | Supply of 12 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 3000 |
| 512 | ELEC-2.12.42 | Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 2200 |
| 513 | ELEC-2.12.43 | Supply of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 24 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 3500 |
| 514 | ELEC-2.12.44 | Supply of 12 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 5000 |
| 515 | ELEC-2.12.45 | Supply of 4 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 3800 |
| 516 | ELEC-2.12.46 | Supply of 8 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 5250 |
| 517 | ELEC-2.12.47 | Supply of 12 Way VTPN DB with IP 20 Protection as per IS:13032 and suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 6800 |
| 518 | ELEC-2.12.48 | Supply of 4 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP | 1 No | 5600 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | | |
| 519 | ELEC-2.12.49 | Supply of 6 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for TP/SP out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 7100 |
| 520 | ELEC-2.12.50 | Supply of 8 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 9100 |
| 521 | ELEC-2.12.51 | Supply of 12 Way VTPN DB suitable for accommodating 4 pole incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 4900 |
| 522 | ELEC-2.12.52 | Supply of 7 Segment 4 Way TPN DB with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 12 Nos SPMCB's as out going. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 6200 |
| 523 | ELEC-2.12.53 | Supply of 7 Segment 8 Way TPN DB with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and 24Nos SPMCB's as out going. Makes: Siemens / GE / ABB / GM / Standard / Havells / HPL / Hager/ Indo Asian / C&S. | 1 No | 680 |
| 524 | ELEC-2.12.54 | Supply of 4 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 12Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 1275 |
| 525 | ELEC-2.12.55 | Supply of 8 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 24Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 1770 |
| 526 | ELEC-2.12.56 | Supply of 12 Way TPN DB Horizontal with IP 20 Protection as per IS:13032 and suitable for 36Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 2200 |
| 527 | ELEC-2.12.57 | Supply of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 12Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 1650 |
| 528 | ELEC-2.12.58 | Supply of 6 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 18Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 1900 |
| 529 | ELEC-2.12.59 | Supply of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 24Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 2200 |
| 530 | ELEC-2.12.60 | Supply of 12 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 and suitable for 36 Nos S.P. out goings and for 1 No 4 pole Incomer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 2800 |
| 531 | ELEC-2.12.61 | Supply of 4 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 4 Nos T.P. out goings etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor PanASONIC / V-Guard. | 1 No | 2700 |
| 532 | ELEC-2.12.62 | Supply of 6 Way VTPN DB suitable for accommodating 4 pole | 1 No | 3500 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 6 Nos T.P. out goings and for 1 No 4 pole Incommer etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | | |
| 533 | ELEC-2.12.63 | Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 20 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 4700 |
| 534 | ELEC-2.12.64 | Supply of 4 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 4 Nos T.P. out goings etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 2700 |
| 535 | ELEC-2.12.65 | Supply of 8 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 8 Nos T.P. out goings etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 4700 |
| 536 | ELEC-2.12.66 | Supply of 12 Way VTPN DB suitable for accommodating 4 pole Isolator as incomer with IP 43 Protection as per IS:13032 and suitable for 12 Nos T.P. out goings etc complete. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 6300 |
| 537 | ELEC-2.12.67 | Supply of 20A SP Plug and Socket in SS enclosure. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 590 |
| 538 | ELEC-2.12.68 | Supply of 20A TP Plug and Socket in SS enclosure. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 925 |
| 539 | ELEC-2.12.69 | Supply of 32A TP Plug and Socket in SS enclosure. Makes: Gold Medal / Milltec / Sputnik / Bentec / Sigma / Anchor Panasonic / V-Guard. | 1 No | 1300 |
| 540 | ELEC-2.12.70 | Supply of SP Enclosure with IP 20 Protection. Makes: Legrand / Schneider. | 1 No | 250 |
| 541 | ELEC-2.12.71 | Supply of DP/TP/FP Metal Enclosure with IP 20 Protection. Makes: Legrand / Schneider. | 1 No | 366 |
| | | SECTION - 3 | | |
| | | 3.1 | | |
| | | STREET LIGHT LUMINAIRES | | |
| 542 | ELEC-3.1.1 | Supply of 1 x 36/40 W fluorescent street light luminaire with sheet alluminium housing and UV stabilised acrylic cover with Electronic ballast and all standard accessories etc. Makes: Wipro / G.E. / Phillips / Crompton. | 1 No | 1400 |
| 543 | ELEC-3.1.2 | Supply of 1 x 36/40 W fluorescent street light luminaire with sheet alluminium housing and UV stabilised acrylic cover with Electronic ballast and all standard accessories etc. Makes: Bajaj / HPL / Surya / Havells | 1 No | 1300 |
| 544 | ELEC-3.1.3 | Supply of 1 x 36/40 W fluorescent street light luminaire with sheet alluminium housing and UV stabilised acrylic cover with Electronic ballast and all standard accessories etc. Makes: Elton / Mahita Electro / Capart / RK. | 1 No | 1100 |
| 545 | ELEC-3.1.4 | Supply of 70W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 3265 |
| 546 | ELEC-3.1.5 | Supply of 70W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: HPL / Venture / Halonix. | 1 No | 3043 |
| 547 | ELEC-3.1.6 | Supply of 70W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK. | 1 No | 2642 |
| 548 | ELEC-3.1.7 | Supply of 150W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 5061 |
| 549 | ELEC-3.1.8 | Supply of 150W SV / MH Street light luminaire integral with pressure diecast alluminium housing having pot optics with IP66 protection | 1 No | 4463 |

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| 1 | 2 | 3 | 4 | 5 |
| 550 | ELEC-3.1.9 | with all standard accessories etc. Makes: HPL / Venture / Halonix. Supply of 150W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK. | 1 No | 4197 |
| 551 | ELEC-3.1.10 | Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 5813 |
| 552 | ELEC-3.1.11 | Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: HPL / Venture / Halonix. | 1 No | 5312 |
| 553 | ELEC-3.1.12 | Supply of 250W SV / MH Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK. | 1 No | 4579 |
| 554 | ELEC-3.1.13 | Supply of 150W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 5107 |
| 555 | ELEC-3.1.14 | Supply of 150W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP66 protection with all standard accessories etc. Makes: HPL / Venture | 1 No | 4329 |
| 556 | ELEC-3.1.15 | Supply of 150W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK. | 1 No | 3562 |
| 557 | ELEC-3.1.16 | Supply of 250W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 6294 |
| 558 | ELEC-3.1.17 | Supply of 250W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: HPL / Venture | 1 No | 5789 |
| 559 | ELEC-3.1.18 | Supply of 250W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: Mahita Electro / Capart / RK. | 1 No | 5462 |
| 560 | ELEC-3.1.19 | Supply of 400W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 6688 |
| 561 | ELEC-3.1.20 | Supply of 400W MH Flood light luminaire with integral weather proof diecast aluminium housing with IP65 / IP66 protection with all standard accessories etc. Makes: HPL / Venture | 1 No | 5953 |
| 562 | ELEC-3.1.21 | Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells / Surya. | 1 No | 6786 |
| 563 | ELEC-3.1.22 | Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: HPL / Venture | 1 No | 6119 |
| 564 | ELEC-3.1.23 | Supply of 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp of Makes: Mahita Electro / Capart / RK. | 1 No | 5462 |
| 565 | ELEC-3.1.24 | Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp . Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | 1 No | 13105 |
| 566 | ELEC-3.1.25 | Supply of 2 x 250W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp of Makes: HPL / Surya / Venture | 1 No | 11824 |
| 567 | ELEC-3.1.26 | Supply of 400W MH Flood light luminaire with Non - integral weather | 1 No | 7573 |

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| 1 | 2 | 3 | 4 | 5 |
| | | proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | | |
| 568 | ELEC-3.1.27 | Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: HPL / Surya / Venture. | 1 No | 6595 |
| 569 | ELEC-3.1.28 | Supply of 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Mahita Electro / Capart / RK. | 1 No | 5766 |
| 570 | ELEC-3.1.29 | Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | 1 No | 14772 |
| 571 | ELEC-3.1.30 | Supply of 2 x 400W MH Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: HPL / Surya / Venture | 1 No | 12955 |
| 572 | ELEC-3.1.31 | Supply of 500W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | 1 No | 711 |
| 573 | ELEC-3.1.32 | Supply of 500W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories. Makes: HPL / Surya / Venture | 1 No | 636 |
| 574 | ELEC-3.1.33 | Supply of 500W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories. Makes: Mahita Electro / Capart / RK. | 1 No | 536 |
| 575 | ELEC-3.1.34 | Supply of 1000W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | 1 No | 1667 |
| 576 | ELEC-3.1.35 | Supply of 1000W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories. Makes: HPL / Surya / Venture | 1 No | 1355 |
| 577 | ELEC-3.1.36 | Supply of 1000W Hallozen Flood light luminaire with cast aluminium housing and tough end glass cover with all standard accessories. Makes: Mahita Electro / Capart / RK. | 1 No | 1071 |
| 578 | ELEC-3.1.37 | Supply of 2x 26W CFL well glass, medium bay luminaire with prismatic suspended built in Electronic ballast polycarbonate refractor. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | 1 No | 3600 |
| 579 | ELEC-3.1.38 | Supply of 1 x 26W CFL well glass, low bay luminaire with die cast aluminium housing epoxy gray powder coated built in Electronic ballast with gink plated wire guard and eye bolt. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Havells. | 1 No | 2250 |
| | 3.2 | POST TOP LANTERN LUMINAIRES | | |
| 580 | ELEC-3.2.1 | Supply of 1 x 18W CFL integral post top luminaire with conical shape, opal clear acrylic diffuser with cast aluminium pole mounting capsule complete with all accessories and ballast. Makes: Crompton / Bajaj / Surya / Havells / HPL. | 1 No | 1838 |
| 581 | ELEC-3.2.2 | Supply of 70W SV / MH integral HID lamp post top lantern BJDPTI 70SV / MH LPF or its equivalent with diamond / Mushroom / Spherical diffuser etc complete with all accessories. Makes: Wipro / Phillips / Bajaj / Crompton / Surya / HPL / Havells. | 1 No | 3822 |
| | 3.3 | ACCESSORIES FOR MV / SV / MH LUMINAIRES | | |
| 582 | ELEC-3.3.1 | Supply of 80W MV copper ballast. Makes: G.E. / Phillips / Crompton / Bajaj / Surya / Havells / Venture | 1 No | 638 |
| 583 | ELEC-3.3.2 | Supply of 80W MV copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro. | 1 No | 579 |
| 584 | ELEC-3.3.3 | Supply of 125W MV copper ballast. Makes: G.E. / Phillips / Crompton / Bajaj / Surya / Havells / Venture | 1 No | 697 |
| 585 | ELEC-3.3.4 | Supply of 125W MV copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro. | 1 No | 587 |
| 586 | ELEC-3.3.5 | Supply of 70 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips. | 1 No | 680 |
| 587 | ELEC-3.3.6 | Supply of 70 W SV / MH copper ballast. | 1 No | 579 |

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| 1 | 2 | 3 | 4 | 5 |
| 588 | ELEC-3.3.7 | Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture Supply of 70 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro. | 1 No | 553 |
| 589 | ELEC-3.3.8 | Supply of 150 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips. | 1 No | 1064 |
| 590 | ELEC-3.3.9 | Supply of 150 W SV / MH copper ballast. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture | 1 No | 904 |
| 591 | ELEC-3.3.10 | Supply of 150 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro. | 1 No | 812 |
| 592 | ELEC-3.3.11 | Supply of 250 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips. | 1 No | 1531 |
| 593 | ELEC-3.3.12 | Supply of 250 W SV / MH copper ballast. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture | 1 No | 1285 |
| 594 | ELEC-3.3.13 | Supply of 250 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro. | 1 No | 1101 |
| 595 | ELEC-3.3.14 | Supply of 400 W SV / MH copper ballast. Makes: Wipro / G.E. / Phillips. | 1 No | 2211 |
| 596 | ELEC-3.3.15 | Supply of 400 W SV / MH copper ballast. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture | 1 No | 1880 |
| 597 | ELEC-3.3.16 | Supply of 400 W SV / MH copper ballast. Makes: RK / Style Lamp / Akhil / Capart / Mahitha Electro. | 1 No | 1526 |
| 598 | ELEC-3.3.17 | Supply of Ignitor for SV / MH Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / HPL / Havells / Venture / Capart | 1 No | 162 |
| 599 | ELEC-3.3.18 | Supply of 4 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 120 |
| 600 | ELEC-3.3.19 | Supply of 10 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 200 |
| 601 | ELEC-3.3.20 | Supply of 15 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 240 |
| 602 | ELEC-3.3.21 | Supply of 20 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 320 |
| 603 | ELEC-3.3.22 | Supply of 33 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 493 |
| 604 | ELEC-3.3.23 | Supply of 42 mfd HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 550 |
| ENERGY SAVING ELECTRONIC BALLAST FOR STREET LIGHT | | | | |
| 605 | ELEC-3.3.24 | Supply of 70W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Wipro / Trinic / GE. | 1 No | 2450 |
| 606 | ELEC-3.3.25 | Supply of 150W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Wipro / Trinic / GE. | 1 No | 3350 |
| 607 | ELEC-3.3.26 | Supply of 250W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Wipro / Trinic / GE. | 1 No | 4200 |
| 608 | ELEC-3.3.27 | Supply of 400W SV / MH Electronic ballast having < 3W loss, PF > 0.90, THD < 15% with 3 years guarantee. Makes: Phillips / Wipro / Trinic / GE. | 1 No | 5400 |
| 3.4 LAMPS | | | | |
| 609 | ELEC-3.4.1 | Supply of 500W Halogen Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 86 |
| 610 | ELEC-3.4.2 | Supply of 500W Halogen Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Anchor | 1 No | 68 |
| 611 | ELEC-3.4.3 | Supply of 500W Halogen Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 51 |
| 612 | ELEC-3.4.4 | Supply of 1000W Halogen Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 104 |
| 613 | ELEC-3.4.5 | Supply of 1000W Halogen Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Anchor. | 1 No | 85 |
| 614 | ELEC-3.4.6 | Supply of 1000W Halogen Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 72 |
| 615 | ELEC-3.4.7 | Supply of 70W SV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 396 |
| 616 | ELEC-3.4.8 | Supply of 70W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 315 |
| 617 | ELEC-3.4.9 | Supply of 70W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 260 |
| 618 | ELEC-3.4.10 | Supply of 150W SV Lamp with ISI mark. | 1 No | 497 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: Wipro / G.E. / Phillips / Osram. | | |
| 619 | ELEC-3.4.11 | Supply of 150W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 390 |
| 620 | ELEC-3.4.12 | Supply of 150W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 330 |
| 621 | ELEC-3.4.13 | Supply of 250W SV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 539 |
| 622 | ELEC-3.4.14 | Supply of 250W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 432 |
| 623 | ELEC-3.4.15 | Supply of 250W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 374 |
| 624 | ELEC-3.4.16 | Supply of 400W SV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 630 |
| 625 | ELEC-3.4.17 | Supply of 400W SV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 560 |
| 626 | ELEC-3.4.18 | Supply of 400W SV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 468 |
| 627 | ELEC-3.4.19 | Supply of 70W double end MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 544 |
| 628 | ELEC-3.4.20 | Supply of 70W double end MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 522 |
| 629 | ELEC-3.4.21 | Supply of 70W double end MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 450 |
| 630 | ELEC-3.4.22 | Supply of 150W double end MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 765 |
| 631 | ELEC-3.4.23 | Supply of 150W double end MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 680 |
| 632 | ELEC-3.4.24 | Supply of 150W double end MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 600 |
| 633 | ELEC-3.4.25 | Supply of 70W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 801 |
| 634 | ELEC-3.4.26 | Supply of 70W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 722 |
| 635 | ELEC-3.4.27 | Supply of 150W MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 841 |
| 636 | ELEC-3.4.28 | Supply of 150W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 807 |
| 637 | ELEC-3.4.29 | Supply of 150W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 720 |
| 638 | ELEC-3.4.30 | Supply of 250W MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 1012 |
| 639 | ELEC-3.4.31 | Supply of 250W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 900 |
| 640 | ELEC-3.4.32 | Supply of 250W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 825 |
| 641 | ELEC-3.4.33 | Supply of 400W MH Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 1155 |
| 642 | ELEC-3.4.34 | Supply of 400W MH Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 1087 |
| 643 | ELEC-3.4.35 | Supply of 400W MH Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 910 |
| 644 | ELEC-3.4.36 | Supply of 80W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 180 |
| 645 | ELEC-3.4.37 | Supply of 80W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 160 |
| 646 | ELEC-3.4.38 | Supply of 80W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 140 |
| 647 | ELEC-3.4.39 | Supply of 125W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 190 |
| 648 | ELEC-3.4.40 | Supply of 125W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 170 |
| 649 | ELEC-3.4.41 | Supply of 125W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 150 |
| 650 | ELEC-3.4.42 | Supply of 250W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 450 |
| 651 | ELEC-3.4.43 | Supply of 250W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 420 |
| 652 | ELEC-3.4.44 | Supply of 250W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 400 |

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| 1 | 2 | 3 | 4 | 5 |
| 653 | ELEC-3.4.45 | Supply of 400W MV Lamp with ISI mark. Makes: Wipro / G.E. / Phillips / Osram. | 1 No | 576 |
| 654 | ELEC-3.4.46 | Supply of 400W MV Lamp with ISI mark. Makes: Crompton / Bajaj / Surya / HPL / Havells / Venture / Anchor | 1 No | 558 |
| 655 | ELEC-3.4.47 | Supply of 400W MV Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart | 1 No | 510 |
| | 3.5 | AUTOMATIC STREET LIGHT CONTROL SYSTEMS | | |
| 656 | ELEC-3.5.1 | Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 3 KW of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent. | 1 No | 10978 |
| 657 | ELEC-3.5.2 | Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, with suitable MCBs and contactor suitable to control the load of 5 KW of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent. | 1 No | 11518 |
| 658 | ELEC-3.5.3 | Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 8 KW of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent. | 1 No | 13140 |
| 659 | ELEC-3.5.4 | Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 5 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent. | 1 No | 13140 |
| 660 | ELEC-3.5.5 | Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 8 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent. | 1 No | 14221 |
| 661 | ELEC-3.5.6 | Supply of Automatic Street Light Control System with Optical Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 12 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch or its equivalent. | 1 No | 18026 |
| | 3.6 | INTERNAL LUMINAIRES | | |
| 662 | ELEC-3.6.1 | Supply of 1 x 11W Mirror light with all standard accessories diffuser. Makes: G.E. / Phillips / Crompton / Bajaj. | 1 No | 678 |
| 663 | ELEC-3.6.2 | Supply of 1 x 11W Mirror light with all standard accessories diffuser. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 578 |
| 664 | ELEC-3.6.3 | Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with VPIT Chokes and all standard accessories. Makes: Crompton / Bajaj / Surya / Havells / HPL. | 1 No | 599 |
| 665 | ELEC-3.6.4 | Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj . | 1 No | 813 |
| 666 | ELEC-3.6.5 | Supply of 1 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 766 |
| 667 | ELEC-3.6.6 | Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 1222 |
| 668 | ELEC-3.6.7 | Supply of 2 x 36/40W Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories. | 1 No | 1173 |

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| 669 | ELEC-3.6.8 | Makes: Surya / Havells / HPL / Fortune Art Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories. Makes: Crompton / Bajaj / Surya / Havells / HPL. | 1 No | 273 |
| 670 | ELEC-3.6.9 | Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories. Makes: RK / Million / Gold Medal / Vimal / Akhil. | 1 No | 231 |
| 671 | ELEC-3.6.10 | Supply of 2 x 36/40W Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton. | 1 No | 2594 |
| 672 | ELEC-3.6.11 | Supply of 2 x 36/40W Surface / Recessed mounting mirror optic luminaire with powder coated CRCA sheet steel housing with alluminium mirror reflector and decorative end plates with Electronic Ballast. Makes: Bajaj / Surya / HPL / Havells. | 1 No | 2369 |
| 673 | ELEC-3.6.12 | Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 3585 |
| 674 | ELEC-3.6.13 | Supply of 2 x 36W CFL Paralite louvre (P5) Surface / Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Surya / Havells / HPL | 1 No | 3012 |
| 675 | ELEC-3.6.14 | Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 3187 |
| 676 | ELEC-3.6.15 | Supply of 2 x 36W CFL Direct / Indirect Recessed low glare Mirror Optic luminaire comprising bright anodised alluminium reflector with Electronic Ballst. Makes: Surya / Havells / Trinic / HPL | 1 No | 2611 |
| 677 | ELEC-3.6.16 | Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 808 |
| 678 | ELEC-3.6.17 | Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Surya / Havells / HPL / Fortune Art. | 1 No | 682 |
| 679 | ELEC-3.6.18 | Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 960 |
| 680 | ELEC-3.6.19 | Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with alluminium/Matt finished reflector with Electronic Ballast. Makes: Surya / Havells / HPL / Fortune Art. | 1 No | 910 |
| 681 | ELEC-3.6.20 | Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 1033 |
| 682 | ELEC-3.6.21 | Supply of 1 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Surya / Havells / HPL / Fortune Art. | 1 No | 930 |
| 683 | ELEC-3.6.22 | Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 1325 |
| 684 | ELEC-3.6.23 | Supply of 2 x 13/18W CFL Indoor recessed mounting horizontal type down lights luminaire with Frosted glass cover reflector with Electronic Ballast. Makes: Surya / Havells / HPL / Fortune Art. | 1 No | 1212 |
| 685 | ELEC-3.6.24 | Supply of Recessed mounting 12V 50W adjustable Halogen down light with white colour gold shade including transformer. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 741 |

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| 686 | ELEC-3.6.25 | Supply of Recessed mounting 12V 50W adjustable Halozen down light with white colour gold shade including transformer. Make Surya / Havells / HPL / Fortune Art. | 1 No | 667 |
| 687 | ELEC-3.6.26 | Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 978 |
| 688 | ELEC-3.6.27 | Supply of Recessed mounting 12V 50W zoom type Halozen down light with white colour gold shade including transformer. Makes: Surya / Havells. | 1 No | 878 |
| 689 | ELEC-3.6.28 | Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 140 |
| 690 | ELEC-3.6.29 | Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: Surya / Havells / HPL / Fortune Art. | 1 No | 126 |
| 691 | ELEC-3.6.30 | Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: RK / Style Lamp / Mahita Electro / Capart | 1 No | 110 |
| 692 | ELEC-3.6.31 | Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 140 |
| 693 | ELEC-3.6.32 | Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: Surya / Havells / HPL / Fortune Art. | 1 No | 120 |
| 694 | ELEC-3.6.33 | Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: RK / Style Lamp / Mahita Electro / Capart | 1 No | 110 |
| 695 | ELEC-3.6.34 | Supply of 20W Copper Wound Ballast Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 162 |
| 696 | ELEC-3.6.35 | Supply of 20W Copper Wound Ballast. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 144 |
| 697 | ELEC-3.6.36 | Supply of 20W Copper Wound Ballast . Makes: RK / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal. | 1 No | 131 |
| 698 | ELEC-3.6.37 | Supply of 40W Copper Wound Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 162 |
| 699 | ELEC-3.6.38 | Supply of 40W Copper Wound Ballast. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 144 |
| 700 | ELEC-3.6.39 | Supply of 40W Copper Wound Ballast . Makes: RK / Style Lamp / Akhil / Capart / Million / Gold Medal / Vimal. | 1 No | 130 |
| 701 | ELEC-3.6.40 | Supply of 18/20W VPIT Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 162 |
| 702 | ELEC-3.6.41 | Supply of 18/20W VPIT Ballast. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 144 |
| 703 | ELEC-3.6.42 | Supply of 18/20W VPIT Ballast. Makes: RK / Style Lamp / Mahita Electro / Capart | 1 No | 145 |
| 704 | ELEC-3.6.43 | Supply of 36/40W VPIT Ballast. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 210 |
| 705 | ELEC-3.6.44 | Supply of 36/40W VPIT Ballast. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 180 |
| 706 | ELEC-3.6.45 | Supply of 36/40W VPIT Ballast. Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal. | 1 No | 170 |
| 707 | ELEC-3.6.46 | Supply of 40W Starter. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 11 |
| 708 | ELEC-3.6.47 | Supply of 40W Starter. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 9 |
| 709 | ELEC-3.6.48 | Supply of 40W Starter. Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal. | 1 No | 8 |
| 710 | ELEC-3.6.49 | Supply of Rotor holder(FTL). Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 21 |
| 711 | ELEC-3.6.50 | Supply of Rotor holder(FTL) Makes: Surya / Havells / HPL / Fortune Art | 1 No | 19 |
| 712 | ELEC-3.6.51 | Supply of Rotor holder(FTL) . Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal. | 1 No | 17 |
| 713 | ELEC-3.6.52 | Supply of HID Lamp holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 53 |
| 714 | ELEC-3.6.53 | Supply of HID Lamp holder. Makes: Surya / Havells / HPL / Fortune Art | 1 No | 48 |
| 715 | ELEC-3.6.54 | Supply of HID Lamp holder. Makes: RK / Style Lamp / Mahita Electro / Capart | 1 No | 42 |
| 716 | ELEC-3.6.55 | Supply of CFL holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 32 |
| 717 | ELEC-3.6.56 | Supply of CFL holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 27 |

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|--|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 718 | ELEC-3.6.57 | Makes: Surya / Havells / HPL / Fortune Art Supply of CFL holder. Makes: RK / Style Lamp / Mahita Electro / Capart | 1 No | 25 |
| 719 | ELEC-3.6.58 | Supply of FTL Starter holder. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 15 |
| 720 | ELEC-3.6.59 | Supply of FTL Starter holder. Makes: Surya / Havells. | 1 No | 13 |
| 721 | ELEC-3.6.60 | Supply of FTL Starter holder. Makes: RK / Style Lamp / Mahita Electro / Capart / Million / Gold Medal / Vimal. | 1 No | 12 |
| 722 | ELEC-3.6.61 | Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj. | 1 No | 658 |
| 723 | ELEC-3.6.62 | Supply of 36W Electronic Ballast with total harmonic distortion is less than 10% for FTL. Makes: Surya / HPL / Havells. | 1 No | 583 |
| 724 | ELEC-3.6.63 | Supply of 36W Electronic ballast with power factor greater than 0.9 to 0.95 suitable for FTL. Make : Crompton Model No.EBN 136D / Bajaj Model No.BJHF 136 / Havells LHB 27904025 or its equivalent. | 1 No | 275 |
| 725 | ELEC-3.6.64 | Supply of 2 x 36/40W Industrial Box type tube light luminaire powder coated CRCA sheet steel housing with Reflector and Electronic ballast and all standard accessories. Makes: Crompton / Bajaj / Surya / HPL / Havells. | 1 No | 1615 |
| 726 | ELEC-3.6.65 | Supply of 4 x 14W TL 5 high efficiency recessed luminaire, epoxy powder coated CRCA sheet steel housing, low glare with electronic ballast including cost of lamps etc., complete. Makes: Phillips Model No.sereno-TBS 869 / Bajaj Model No.BTMRA 414 CAT II/Crompton Model No.CRTLU414EB/S. | 1 No | 4301 |
| 727 | ELEC-3.6.66 | Supply of 1 x 28W surface pendent mounting T5 Luminaire Box type with CRCA housing with Electronic Ballast and all standard accessories. Makes: Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 855 |
| 728 | ELEC-3.6.67 | Supply of 1 x 28W surface pendent mounting T5 Luminaire plastic housing with integrated reflector extruded alluminium luminaire with Electronic Ballast and all standard accessories. Makes: Phillips / Crompton / Bajaj / Surya / Havells. | 1 No | 547 |
| 3.7 FLUORESCENT TUBES / CFL LAMPS / LED BULBS | | | | |
| 729 | ELEC-3.7.1 | Supply of 40W-60W Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / Havells / Anchor. | 1 No | 12 |
| 730 | ELEC-3.7.2 | Supply of 40W-60W Lamp. Makes: Elton / Style Lamp / Mahita Electro / Capart | 1 No | 10 |
| 731 | ELEC-3.7.3 | Supply of Night Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 11 |
| 732 | ELEC-3.7.4 | Supply of 18/20W fluorescent tube. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 41 |
| 733 | ELEC-3.7.5 | Supply of 18/20W fluorescent tube . Makes: Surya / HPL / Fortune Art | 1 No | 39 |
| 734 | ELEC-3.7.6 | Supply of 18/20W fluorescent tube. Makes: Style tube / Mahita Electro / Capart | 1 No | 38 |
| 735 | ELEC-3.7.7 | Supply of 36/40W fluorescent tube. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 45 |
| 736 | ELEC-3.7.8 | Supply of 36/40W fluorescent tube. Makes: Surya / HPL / Fortune Art | 1 No | 40 |
| 737 | ELEC-3.7.9 | Supply of 36/40W fluorescent tube. Makes: Style tube / Mahita Electro / Capart | 1 No | 38 |
| 738 | ELEC-3.7.10 | Supply of 28W T5 fluorescent tube. Makes: Crompton / Bajaj / Phillips / Surya / Havells / Anchor | 1 No | 114 |
| 739 | ELEC-3.7.11 | Supply of 9W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 75 |
| 740 | ELEC-3.7.12 | Supply of 9W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 70 |
| 741 | ELEC-3.7.13 | Supply of 11W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 80 |
| 742 | ELEC-3.7.14 | Supply of 11W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 75 |
| 743 | ELEC-3.7.15 | Supply of 13W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 105 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 744 | ELEC-3.7.16 | Supply of 13W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 100 |
| 745 | ELEC-3.7.17 | Supply of 18W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 115 |
| 746 | ELEC-3.7.18 | Supply of 18W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 110 |
| 747 | ELEC-3.7.19 | Supply of 26W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 160 |
| 748 | ELEC-3.7.20 | Supply of 26W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 150 |
| 749 | ELEC-3.7.21 | Supply of 36W Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 135 |
| 750 | ELEC-3.7.22 | Supply of 36W Pin type CFL Lamp. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 130 |
| 751 | ELEC-3.7.23 | Supply of up to 5W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 115 |
| 752 | ELEC-3.7.24 | Supply of up to 5W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 110 |
| 753 | ELEC-3.7.25 | Supply of up to 8W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 125 |
| 754 | ELEC-3.7.26 | Supply of up to 8W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 120 |
| 755 | ELEC-3.7.27 | Supply of up to 10/11W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 135 |
| 756 | ELEC-3.7.28 | Supply of up to 10/11W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 130 |
| 757 | ELEC-3.7.29 | Supply of up to 13/14W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 110 |
| 758 | ELEC-3.7.30 | Supply of up to 13/14W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 100 |
| 759 | ELEC-3.7.31 | Supply of 15W Retrofit tiny CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 180 |
| 760 | ELEC-3.7.32 | Supply of 15W Retrofit tiny CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 150 |
| 761 | ELEC-3.7.33 | Supply of up to 18/20W Retrofit CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 170 |
| 762 | ELEC-3.7.34 | Supply of up to 18/20W Retrofit CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 150 |
| 763 | ELEC-3.7.35 | Supply of 23W Retrofit CFL. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Anchor | 1 No | 200 |
| 764 | ELEC-3.7.36 | Supply of 23/25W Retrofit CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 180 |
| 765 | ELEC-3.7.37 | Supply of up to 25/26W Retrofit CFL. Makes: Wipro / G.E. / Phillips / Crompton / Baja / Havells / Anchor | 1 No | 200 |
| 766 | ELEC-3.7.38 | Supply of up to 25/26W Retrofit CFL. Makes: Surya / HPL / Fortune Art / Halonix. | 1 No | 180 |
| 767 | ELEC-3.7.39 | Supply of 0.5W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 40 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / Halonix / VIN / Jaquor | 1 No | 80 |
| 768 | ELEC-3.7.40 | Supply of 0.5W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 40 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite / Glosun / HPL / Polycab | 1 No | 72 |
| 769 | ELEC-3.7.41 | Supply of 3.0W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 210 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor | 1 No | 280 |
| 770 | ELEC-3.7.42 | Supply of 3.0W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 210 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite / Glosun / HPL / Polycab. | 1 No | 200 |
| 771 | ELEC-3.7.43 | Supply of 5.0W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 350 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor | 1 No | 340 |

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| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 772 | ELEC-3.7.44 | Supply of 5.0W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 350 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / Pharox / Polycab. | 1 No | 250 |
| 773 | ELEC-3.7.45 | Supply of 7.0W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 490 Lumens. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor | 1 No | 396 |
| 774 | ELEC-3.7.46 | Supply of 7.0W LED Lamp with input voltage 90 to 300V, Colour temparature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, 490 Lumens. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / Pharox / Polycab . | 1 No | 300 |
| 775 | ELEC-3.7.47 | Supply of LED Candel Lamp for shandliers. Makes: Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN / Halonix / Jaquor | 1 No | 319 |
| 776 | ELEC-3.7.48 | Supply of LED Candel Lamp for shandliers. Makes: Syska / Pasolite / Fortune Art / Panasonic / Avni / ilite/ Glosun / HPL / GM. | 1 No | 250 |
| | 3.8 | ENERGY CONSERVING FIXTURES | | |
| 777 | ELEC-3.8.1 | Supply of 1 x 28W Patty type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS Specification with auto cut off at high voltage suitable for 36/40W tube with 5 years guarantee for luminaire. Makes: Trinic or its equivalent. | 1 No | 950 |
| 778 | ELEC-3.8.2 | Supply of 1 x 28W Box type powder coated energy conserving tube light luminaire with Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS Specification with auto cut off at high voltage suitable for 36/40W tube with 5 years guarantee for luminaire. Makes: Trinic or its equivalent. | 1 No | 1060 |
| 779 | ELEC-3.8.3 | Supply of Recessed mounted mirror optic luminaire with paralite louvers (P5) suitable for 2 x 36W CFL lamps. Electronic ballast operating voltage range of 90 volts to 350 volts power factor > 0.98 current less than 130ma crest factor and total harmonic distortion shall be as per the IS Specification with auto cut off at High Voltage suitable for 36/40W tube with 5 years guarantee for luminaire. Makes: Trinic or its equivalent. | 1 No | 3895 |
| 780 | ELEC-3.8.4 | Supply of 28 W Electronic Ballast with less than 10% total harmonic distortion and auto cut off at High Voltage suitable for FTL with 5 years guarantee for luminaire. Makes: Trinic or its equivalent. | 1 No | 800 |
| | 3.9 | LED LUMINAIRES INDOOR | | |
| 781 | ELEC-3.9.1 | Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15% with high power LED's having efficacy of > 120 lumins/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton /Bajaj / Havells / VIN / b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 800 |
| 782 | ELEC-3.9.2 | Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV,THD<15%, with high power LED's having efficacy of > 120 lumins/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Surya / KRIPA Lights / Fortune Art / Capart / Semtronics / Syska / Halonix / HPL / Pharox / GM b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 600 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 783 | ELEC-3.9.3 | <p>Supply and Transportation of 3W Down lighter with system lumens of 240lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumins/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete</p> <p>a) LUMINAIRE MAKE : Procorp / Scintilla / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.</p> | 1 No | 540 |
| 784 | ELEC-3.9.4 | <p>Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumins/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete</p> <p>a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.</p> | 1 No | 1224 |
| 785 | ELEC-3.9.5 | <p>Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, with high power LED's having efficacy of > 120 lumins/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete</p> <p>a) LUMINAIRE MAKE : Surya / KRIPPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Pharox / GM / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.</p> | 1 No | 980 |
| 786 | ELEC-3.9.6 | <p>Supply and Transportation of 6W Down lighter with system lumens of 480lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, with high power LED's having efficacy of > 120 lumins/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete</p> <p>a) LUMINAIRE MAKE : Procorp / Scintilla / R-LED / ilite b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.</p> | 1 No | 880 |
| 787 | ELEC-3.9.7 | <p>Supply and Transportation of 9W Down lighter with system lumens of 720lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumins/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete</p> <p>a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.</p> | 1 No | 1657 |
| 788 | ELEC-3.9.8 | <p>Supply and Transportation of 9W Down lighter with system lumens of 720lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumins/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete</p> <p>a) LUMINAIRE MAKE : Surya / KRIPPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / Trinic / HPL / Pharox / GM / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.</p> | 1 No | 1312 |
| 789 | ELEC-3.9.9 | <p>Supply and Transportation of 9W Down lighter with system lumens of 720lm, suitable for Recessed / Surface mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of</p> | 1 No | 1180 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Procorp / Scintilla / R-LED / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | | |
| 790 | ELEC-3.9.10 | Supply and Transportation of 12W Down lighter with system lumens of 1050lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 2279 |
| 791 | ELEC-3.9.11 | Supply and Transportation of 12W Down lighter with system lumens of 1050lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete with 3 years warranty. a) LUMINAIRE MAKE : Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Pharox / Polycab b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 1872 |
| 792 | ELEC-3.9.12 | Supply and Transportation of 12W Down lighter with system lumens of 1050lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete with 3 years warranty. a) LUMINAIRE MAKE : Procorp / Scintilla / ilite b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 1680 |
| 793 | ELEC-3.9.13 | Supply and Transportation of 18W Down lighter with system lumens of 1580lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 2722 |
| 794 | ELEC-3.9.14 | Supply and Transportation of 18W Down lighter with system lumens of 1580lm, suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver, operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<15%, with high power LED's having efficacy of > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Bajaj / Havells / VIN / Surya / Capart / Fortune Art / Halonix / HPL / Pharox / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 1968 |
| 795 | ELEC-3.9.15 | Supply and transportation of 16W/20W, 1600/2000 lumens, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes: Phillips / GE / Crompton / Bajaj / VIN. | 1 No | 1548 |
| 796 | ELEC-3.9.16 | Supply and transportation of 16W/20W, 1600/2000 lumens, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete | 1 No | 1258 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | Makes: Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Pharox. | | |
| 797 | ELEC-3.9.17 | Supply and transportation of 16W/20W, 1600/2000 lumens, T8,1200mm length LED retrofit tube light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes: Procorp / Scintilla / R-LED / ilite | 1 No | 1130 |
| 798 | ELEC-3.9.18 | Supply and transportation of 16W/20W, 1600/2000 lumens, ,1200mm length LED batten light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete. Makes: Phillips / GE / Crompton / Bajaj / VIN. | 1 No | 1863 |
| 799 | ELEC-3.9.19 | Supply and transportation of 16W/20W, 1600/2000 lumens, ,1200mm length LED batten light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes: Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Trinic / Pharox. | 1 No | 1440 |
| 800 | ELEC-3.9.20 | Supply and transportation of 16W/20W, 1600/2000 lumens, ,1200mm length LED batten light, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes: Procorp / Scintilla / R-LED / ilite. | 1 No | 1300 |
| 801 | ELEC-3.9.21 | Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current Driver, With System lumen output ≥3200lm operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of > 120 lumins/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete. a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 6300 |
| 802 | ELEC-3.9.22 | Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LEDs having efficacy of > 120 lumins/watt, junction temparature less than 85 degrees centigrade and THD is less than 12% etc., complete Makes: Surya / KRIPA Lights / Fortune Art / Capart / SEMTRONICS / Syska / Pasolite / Cosmo / VRILISO / Anchor Panasonic / Stanjo / Avni / Halonix / HPL / Trinic / Pharox / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 5208 |
| 803 | ELEC-3.9.23 | Supply and Transportation of 36W Recessed / Surface mounting 2' x 2' LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LEDs having efficacy of > 120 lumins/watt, junction temparature less than 85 degrees centigrade and THD is less than 12% etc., complete Makes: Procorp / Scintilla / ilite b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | 1 No | 4690 |
| | | LED DRIVERS | | |
| 804 | ELEC-3.9.24 | Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, suitable for 6 / 9 W LED down lighter with 2 Years Warranty. | 1 No | 250 |
| 805 | ELEC-3.9.25 | Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, | 1 No | 375 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 806 | ELEC-3.9.26 | suitable for 12 / 18 W LED down lighter with 2 Years Warranty. Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, suitable for 36W, 2'x2' panel light with 2 Years Warranty. | | 580 |
| 807 | ELEC-3.9.27 | Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, suitable for 40/45W, 2'x2' panel light with 2 Years Warranty. | | 700 |
| 808 | ELEC-3.9.28 | Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for 15-30W, LED street light fitting with 2 Years Warranty. | | 420 |
| 809 | ELEC-3.9.29 | Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for 45-80W, LED street light fitting with 2 Years Warranty. | | 890 |
| 810 | ELEC-3.9.30 | Supply and transportation of LED Driver with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for 90-180W, LED street light fitting with 2 Years Warranty. | | 1700 |
| | | LED STREET LIGHTS | | |
| | | Supply and transportation of LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | | |
| 811 | ELEC-3.9.31 | 20W / 25W | 1 No | 6154 |
| 812 | ELEC-3.9.32 | 30W | 1 No | 9370 |
| 813 | ELEC-3.9.33 | 60W | 1 No | 13000 |
| 814 | ELEC-3.9.34 | 90W | 1 No | 19687 |
| 815 | ELEC-3.9.35 | 120W | 1 No | 24253 |
| 816 | ELEC-3.9.36 | 180W | 1 No | 33320 |
| | | Supply and transportation ofLED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete, a) LUMINAIRE Makes: Surya / Fortune Art / Syska / Capart/ Anchor Panasonic / Venture / Avni / Halonix / HPL / Pharox / Havells / Polycab. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | | |
| 817 | ELEC-3.9.37 | 20W | 1 No | 4679 |
| 818 | ELEC-3.9.38 | 30W | 1 No | 6142 |
| 819 | ELEC-3.9.39 | 60W | 1 No | 8872 |
| 820 | ELEC-3.9.40 | 90W | 1 No | 14105 |
| 821 | ELEC-3.9.41 | 120W | 1 No | 18190 |
| 822 | ELEC-3.9.42 | 180W | 1 No | 24990 |
| | | Supply and transportation ofLED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, w, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE Makes: KRIPA Lights / SEMTRONICS / Pasolite / Cosmo / VRILISO / Stanjo / Glosun / Trinic / Procorp / Scintilla / R-LED / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / | | |

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| 1 | 2 | 3 | 4 | 5 |
| | | OSRAM / SAMSUNG. | | |
| 823 | ELEC-3.9.43 | 20W | 1 No | 3800 |
| 824 | ELEC-3.9.44 | 30W | 1 No | 5000 |
| 825 | ELEC-3.9.45 | 60W | 1 No | 7000 |
| 826 | ELEC-3.9.46 | 90W | 1 No | 10000 |
| | | FLOOD LIGHTS | | |
| | | Supply and transportation of LED Flood light Luminaire made of pressure diecast alluminium housing with powder coated,having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | | |
| 827 | ELEC-3.9.47 | 90W | 1 No | 21500 |
| 828 | ELEC-3.9.48 | 120W | 1 No | 24440 |
| 829 | ELEC-3.9.49 | 135W | 1 No | 26715 |
| 830 | ELEC-3.9.50 | 200W | 1 No | 47320 |
| | | Supply and transportation of LED Flood light Luminaire made of pressure diecast alluminium housing with powder coated, having toughned glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 120 lumines/watt and junction temprature < 85 degree centegrade of IP 65 with optics, total hormonic destortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete a) LUMINAIRE Makes: Surya / Fortune Art / Syska / Capart/ Anchor Panasonic / Venture / Avni / Halonix / HPL / Pharox / Havells. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | | |
| 831 | ELEC-3.9.51 | 90W | 1 No | 16505 |
| 832 | ELEC-3.9.52 | 120W | 1 No | 18800 |
| 833 | ELEC-3.9.53 | 135W | 1 No | 20550 |
| 834 | ELEC-3.9.54 | 200W | 1 No | 36400 |
| | | Supply and transportation ofLED Flood light Luminaire made of pressure diecast alluminium housing with powder coated,having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingrees protection IP65, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE Makes: Pasolite / Cosmo / Stanjo / Glosun / Procorp / Scintilla / R-LED / ilite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. | | |
| 835 | ELEC-3.9.55 | 30W | 1 No | 6000 |
| 836 | ELEC-3.9.56 | 50W | 1 No | 8520 |
| 837 | ELEC-3.9.57 | 70W | 1 No | 9080 |
| 838 | ELEC-3.9.58 | 90W | 1 No | 13204 |
| 839 | ELEC-3.9.59 | 120W | 1 No | 15040 |
| | 3.10 | INDUCTION LUMINARIES | | |
| | | Supply and Transportation of Induction Type street light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection including Induction lamp and ballast etc., Complete. Makes: Crompton/ Surya / Billion Light | | |
| 840 | ELEC-3.10.1 | 40W | 1 No | 14010 |
| 841 | ELEC-3.10.2 | 80W | 1 No | 15802 |
| 842 | ELEC-3.10.3 | 120W | 1 No | 17908 |
| | | Supply and Transportation of Induction Type street light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection including Induction lamp and ballast etc., Complete. | | |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: LVD RAES /Bajaj / Fortune Art / Synergy Solutions. | | |
| 843 | ELEC-3.10.6 | 40W | 1 No | 12182 |
| 844 | ELEC-3.10.7 | 80W | 1 No | 13740 |
| 845 | ELEC-3.10.8 | 120W | 1 No | 15572 |
| | | Supply and Transportation of Induction Type Flood light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection of including Induction lamp and ballast etc., Complete. Makes: Crompton/ Surya / Billion Light | | |
| 846 | ELEC-3.10.9 | 40W | 1 No | 15033 |
| 847 | ELEC-3.10.10 | 80W | 1 No | 16836 |
| 848 | ELEC-3.10.11 | 120W | 1 No | 18952 |
| 849 | ELEC-3.10.12 | 150W | 1 No | 20516 |
| 850 | ELEC-3.10.13 | 200W | 1 No | 22080 |
| | | Supply and Transportation of Induction Type Flood light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection of including Induction lamp and ballast etc., Complete Makes: LVD RAES / Bajaj / Fortune Art / Synergy Solutions. | | |
| 851 | ELEC-3.10.14 | 40W | 1 No | 13072 |
| 852 | ELEC-3.10.15 | 80W | 1 No | 14640 |
| 853 | ELEC-3.10.16 | 120W | 1 No | 16480 |
| 854 | ELEC-3.10.17 | 150W | 1 No | 17840 |
| 855 | ELEC-3.10.18 | 200W | 1 No | 19200 |
| | | Supply and Transportation of Induction Type suspended type decorative high bay luminaire with polycarbonate refractor, decorative integral die cast aluminium housing with heat shrinks including Induction lamp and ballast etc., Complete Makes: Crompton/ Surya / Billion Light. | | |
| 856 | ELEC-3.10.19 | 80W | 1 No | 14260 |
| 857 | ELEC-3.10.20 | 120W | 1 No | 16100 |
| 858 | ELEC-3.10.21 | 150W | 1 No | 17940 |
| | | Supply and Transportation of Induction Type suspended type decorative high bay luminaire with polycarbonate refractor, decorative integral die cast aluminium housing with heat shrinks including Induction lamp and ballast etc., Complete with 5 years warranty. Makes: LVD RAES / Bajaj / Fortune Art / Synergy Solutions. | | |
| 859 | ELEC-3.10.22 | 80W | 1 No | 12400 |
| 860 | ELEC-3.10.23 | 120W | 1 No | 14000 |
| 861 | ELEC-3.10.24 | 150W | 1 No | 15600 |
| | | SECTION - 4 | | |
| | | 4.1 | | |
| | | U.G. CABLES | | |
| 862 | ELEC-4.1.1 | Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | 1 RM | 92 |
| 863 | ELEC-4.1.2 | Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 78 |
| 864 | ELEC-4.1.3 | Supply of 4 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 74 |
| 865 | ELEC-4.1.4 | Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | 1 RM | 108 |
| 866 | ELEC-4.1.5 | Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 93 |
| 867 | ELEC-4.1.6 | Supply of 6 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 87 |
| 868 | ELEC-4.1.7 | Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | 1 RM | 129 |
| 869 | ELEC-4.1.8 | Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured | 1 RM | 112 |

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| 1 | 2 | 3 | 4 | 5 |
| | | alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | | |
| 870 | ELEC-4.1.9 | Supply of 10 Sqmm 2 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 104 |
| 871 | ELEC-4.1.10 | Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 130 |
| 872 | ELEC-4.1.11 | Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 112 |
| 873 | ELEC-4.1.12 | Supply of 6 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 104 |
| 874 | ELEC-4.1.13 | Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 147 |
| 875 | ELEC-4.1.14 | Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 128 |
| 876 | ELEC-4.1.15 | Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 118 |
| 877 | ELEC-4.1.16 | Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 162 |
| 878 | ELEC-4.1.17 | Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 140 |
| 879 | ELEC-4.1.18 | Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 131 |
| 880 | ELEC-4.1.19 | Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 207 |
| 881 | ELEC-4.1.20 | Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 180 |
| 882 | ELEC-4.1.21 | Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 166 |
| 883 | ELEC-4.1.22 | Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 247 |
| 884 | ELEC-4.1.23 | Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 212 |
| 885 | ELEC-4.1.24 | Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 197 |
| 886 | ELEC-4.1.25 | Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 326 |
| 887 | ELEC-4.1.26 | Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 280 |
| 888 | ELEC-4.1.27 | Supply of 50 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 261 |
| 889 | ELEC-4.1.28 | Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured | 1 RM | 421 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | | |
| 890 | ELEC-4.1.29 | Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 363 |
| 891 | ELEC-4.1.30 | Supply of 70 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 337 |
| 892 | ELEC-4.1.31 | Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 547 |
| 893 | ELEC-4.1.32 | Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 472 |
| 894 | ELEC-4.1.33 | Supply of 95 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 439 |
| 895 | ELEC-4.1.34 | Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 669 |
| 896 | ELEC-4.1.35 | Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster/ Suncab / Finecab | 1 RM | 579 |
| 897 | ELEC-4.1.36 | Supply of 120 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Kundancab / Delton / Payal / Gemscab. | 1 RM | 537 |
| 898 | ELEC-4.1.37 | Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | 1 RM | 762 |
| 899 | ELEC-4.1.38 | Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard | 1 RM | 658 |
| 900 | ELEC-4.1.39 | Supply of 150 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Fortune Art / Gloster/ Suncab / Finecab / Kundancab / Delton / Payal / Gemscab | 1 RM | 613 |
| 901 | ELEC-4.1.40 | Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | 1 RM | 934 |
| 902 | ELEC-4.1.41 | Supply of 185 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard | 1 RM | 806 |
| 903 | ELEC-4.1.42 | Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Universal / CCI / Unicab. | 1 RM | 1185 |
| 904 | ELEC-4.1.43 | Supply of 240 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I). Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard | 1 RM | 1023 |
| 905 | ELEC-4.1.44 | Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) | 1 RM | 1449 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 906 | ELEC-4.1.45 | Makes: Universal / CCI / Unicab. Supply of 300 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: KEI / RPG / Paragon / V-Guard | 1 RM | 1251 |
| 907 | ELEC-4.1.46 | Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Universal / CCI / Unicab. | 1 RM | 1815 |
| 908 | ELEC-4.1.47 | Supply of 400 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard | 1 RM | 1568 |
| | | 11 KV H.T. XLPE CABLES | | |
| 909 | ELEC-4.1.48 | Supply of 3 Core 11 KV 35 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 603 |
| 910 | ELEC-4.1.49 | Supply of 3 Core 11 KV 50 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 683 |
| 911 | ELEC-4.1.50 | Supply of 3 Core 11 KV 70 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 816 |
| 912 | ELEC-4.1.51 | Supply of 3 Core 11 KV 95 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 972 |
| 913 | ELEC-4.1.52 | Supply of 3 Core 11 KV 120 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 1104 |
| 914 | ELEC-4.1.53 | Supply of 3 Core 11 KV 150 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 1248 |
| 915 | ELEC-4.1.54 | Supply of 3 Core 11 KV 185 Sqmm HT XLPE (E) armoured Cable, as per IS specification confirming to IS 7098/II/85 with latest ammendments. Makes: Universal / CCI / Unicab. | 1 No | 1475 |
| | 4.2 | CABLE GLANDS | | |
| 916 | ELEC-4.2.1 | Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 185Sqmm with brass washers complete. | 1 No | 327 |
| 917 | ELEC-4.2.2 | Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 240Sqmm with brass washers complete. | 1 No | 491 |
| 918 | ELEC-4.2.3 | Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 300Sqmm with brass washers complete. | 1 No | 578 |
| 919 | ELEC-4.2.4 | Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable for 400Sqmm with brass washers complete. | 1 No | 654 |
| 920 | ELEC-4.2.5 | Supply and Fixing of single compression brass cable glands for 4 core XLPE armoured cable up to 16.0 Sq.mm with brass washers complete. | 1 No | 94 |
| 921 | ELEC-4.2.6 | Supply and Fixing of single compression brass cable glands for 3.5 core XLPE armoured cable from 25 Sqmm to 50.0 Sq.mm with brass washers complete. | 1 No | 138 |
| 922 | ELEC-4.2.7 | Supply and Fixing of Single compression brass cable glands for 3.5 core XLPE armoured cable from 70 Sqmm to 150.0 Sq.mm with brass washers complete. | 1 No | 264 |
| | 4.3 | LUGS | | |
| 923 | ELEC-4.3.1 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with | 1 No | 22 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 924 | ELEC-4.3.2 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections. | 1 No | 30 |
| 925 | ELEC-4.3.3 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections. | 1 No | 33 |
| 926 | ELEC-4.3.4 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections. | 1 No | 40 |
| 927 | ELEC-4.3.5 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections. | 1 No | 55 |
| 928 | ELEC-4.3.6 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections. | 1 No | 65 |
| 929 | ELEC-4.3.7 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections. | 1 No | 88 |
| 930 | ELEC-4.3.8 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections. | 1 No | 104 |
| 931 | ELEC-4.3.9 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections. | 1 No | 149 |
| 932 | ELEC-4.3.10 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections. | 1 No | 215 |
| 933 | ELEC-4.3.11 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections. | 1 No | 284 |
| 934 | ELEC-4.3.12 | Supply and fixing of crimping type copper lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections. | 1 No | 418 |
| 935 | ELEC-4.3.13 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections. | 1 No | 12 |
| 936 | ELEC-4.3.14 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections. | 1 No | 14 |
| 937 | ELEC-4.3.15 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections. | 1 No | 17 |
| 938 | ELEC-4.3.16 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 50 Sq.mm including nuts and bolts with connections. | 1 No | 20 |
| 939 | ELEC-4.3.17 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 70 Sq.mm including nuts and bolts with connections. | 1 No | 25 |
| 940 | ELEC-4.3.18 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 95 Sq.mm including nuts and bolts with connections. | 1 No | 27 |
| 941 | ELEC-4.3.19 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 120 Sq.mm including nuts and bolts with connections. | 1 No | 35 |
| 942 | ELEC-4.3.20 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 150 Sq.mm including nuts and bolts with connections. | 1 No | 40 |
| 943 | ELEC-4.3.21 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 185 Sq.mm including nuts and bolts with connections. | 1 No | 46 |
| 944 | ELEC-4.3.22 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 240 Sq.mm including nuts and bolts with connections. | 1 No | 71 |
| 945 | ELEC-4.3.23 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 300 Sq.mm including nuts and bolts with connections. | 1 No | 92 |
| 946 | ELEC-4.3.24 | Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 400 Sq.mm including nuts and bolts with connections. | 1 No | 119 |

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| 1 | 2 | 3 | 4 | 5 |
| | | connections. | | |
| | 4.4 | HEAT SHRINKABLE LT CABLE JOINTS | | |
| 947 | ELEC-4.4.1 | Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials complete for 10 to 16 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 1300 |
| 948 | ELEC-4.4.2 | Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials complete for 25 to 50 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 1545 |
| 949 | ELEC-4.4.3 | Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing complete with necessary accessories and suitable clamps including cost and conveyance of materials complete for 70 to 185 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 2230 |
| 950 | ELEC-4.4.4 | Supply and erecting heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials and all labour charges etc., complete for 240 to 300 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 4000 |
| 951 | ELEC-4.4.5 | Supply of heat shrinkable straight through joint Indoor / Out door for L.T. XLPE Armoured 1100V grade cable of seamless type outer tubing with necessary accessories and suitable clamps including cost and conveyance of materials complete for 400 Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 5425 |
| | | 3 CORE 11 KV HT CABLE STRAIGHT THROUGH JOINTS | | |
| 952 | ELEC-4.4.6 | Providing and erecting heat shrinkable straight through joint out door / indoor for H.T. XLPE Insulated armoured cable 11000V grade of seamless type outer tubing with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 16 to 35Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 15070 |
| 953 | ELEC-4.4.7 | Providing and erecting heat shrinkable straight through joint out door / indoor for H.T. XLPE Insulated armoured cable 11000V grade of seamless type outer tubing with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 50 to 95Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 18095 |
| 954 | ELEC-4.4.8 | Providing and erecting heat shrinkable straight through joint out door / indoor for H.T. XLPE Insulated armoured cable 11000V grade of seamless type outer tubing with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 120 to 185Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 23018 |
| | | HT END TERMINATION KITS | | |
| 955 | ELEC-4.4.9 | Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 8211 |
| 956 | ELEC-4.4.10 | Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 120 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 8321 |
| 957 | ELEC-4.4.11 | Providing and erecting heat shrinkable indoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 8925 |
| 958 | ELEC-4.4.12 | Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 70 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang.. | 1 No | 12452 |
| 959 | ELEC-4.4.13 | Providing and erecting heat shrinkable outdoor termination kit for | 1 No | 12562 |

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| | | 11 KV XLPE HT cable 3 core 120 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang. | | |
| 960 | ELEC-4.4.14 | Providing and erecting heat shrinkable outdoor termination kit for 11 KV XLPE HT cable 3 core 150 Sqmm with Anti Tracking Red colour material etc., complete. Makes: Raychem / M Seal / Denson / Multy / Transeal - Hongshang. | 1 No | 13750 |
| | 4.5 | DOUBLE WALLED CORRUGATED HDPE PIPE | | |
| 961 | ELEC-4.5.1 | Supply and Transportation of Outer dia 50mm and Inner dia 38mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 97 |
| 962 | ELEC-4.5.2 | Supply and Transportation of Outer dia 63mm and Inner dia 51mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 124 |
| 963 | ELEC-4.5.3 | Supply and Transportation of Outer dia 78mm and Inner dia 63mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 152 |
| 964 | ELEC-4.5.4 | Supply and Transportation of Outer dia 90mm and Inner dia 76mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 163 |
| 965 | ELEC-4.5.5 | Supply and Transportation of Outer dia 120mm and Inner dia 103.50mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 254 |
| 966 | ELEC-4.5.6 | Supply and Transportation of Outer dia 160mm and Inner dia 136mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 376 |
| 967 | ELEC-4.5.7 | Supply and Transportation of Outer dia 180mm and Inner dia 152mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 494 |
| 968 | ELEC-4.5.8 | Supply and Transportation of Outer dia 200mm and Inner dia 170mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make. | 1 RM | 576 |
| | 4.6 | CABLE TRAYS | | |
| 969 | ELEC-4.6.1 | Supply and Installation of 600mm x 75mm x 2mm thick hot dip GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 1300 |
| 970 | ELEC-4.6.2 | Supply and Installation of 600mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 960 |
| 971 | ELEC-4.6.3 | Supply and Installation of 450mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 845 |
| 972 | ELEC-4.6.4 | Supply and Installation of 300mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 725 |
| 973 | ELEC-4.6.5 | Supply and Installation of 150mm x 50mm x 2mm thick GI perforated cable tray with cover along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 400 |
| 974 | ELEC-4.6.6 | Supply and Installation of 150mm x 50mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 200 |
| 975 | ELEC-4.6.7 | Supply and Installation of 300mm x 50mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. | 1 RM | 300 |

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| 1 | 2 | 3 | 4 | 5 |
| 976 | ELEC-4.6.8 | Supply and Installation of 600mm x 75mm x 2mm thick GI Ladder type cable tray along with required angle supports, with coupler plates, Anchor bolts and nuts etc complete and the tray should be fitted on the wall / Ceiling etc. complete. Note: Perforated cable trays provided without cover 30% may be deducted from above rates | 1 RM | 550 |
| | | SECTION - 5 | | |
| | 5.1 | FANS | | |
| 977 | ELEC-5.1.1 | Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : Crompton / Orient | 1 No | 1600 |
| 978 | ELEC-5.1.2 | Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : Bajaj / Usha / Havells | 1 No | 1550 |
| 979 | ELEC-5.1.3 | Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator . Makes : MIIT / Anchor | 1 No | 1500 |
| 980 | ELEC-5.1.4 | Supply of 48" (1200mm) Sweep , 5 Star rated Ceiling Fan, with double ball bearings , power input not more than 53W , air delivery more than 218 cubic meter/min and service value 4.11, but without Regulator. Makes: Crompton / Orient. | 1 No | 1870 |
| 981 | ELEC-5.1.5 | Supply of 48" (1200mm) Sweep , 5 Star rated Ceiling Fan, with double ball bearings , power input not more than 53W , air delivery more than 218 cubic meter/min and service value 4.11, but without Regulator. Makes: Bajaj / Usha / Havells /Anchor | 1 No | 1800 |
| 982 | ELEC-5.1.6 | Supply of 48" (1200mm) Sweep Ceiling Fan, with double ball bearings , power input not more than 74W , air delivery more than 230 cubic meter/min, but without Regulator. Makes: Crompton Aura / Orient Avalon / Havells Fusion | 1 No | 2230 |
| 983 | ELEC-5.1.7 | Supply of 56" (1400mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings but without Regulator. Makes: Crompton / Bajaj Kassels 50 / Usha atom | 1 No | 1675 |
| 984 | ELEC-5.1.8 | Supply of 56" (1400mm) Sweep 4/5 Star rated Ceiling Fan without Regulator Makes: Crompton / Bajaj Elegance Star / Usha / Havells. | 1 No | 2160 |
| 985 | ELEC-5.1.9 | Supply of 16" (400mm) Wall mounted Fan. Makes: Crompton SDX Gold / Bajaj Elite / Havells Swing Premia gold / Usha / Orient Wall 43. | 1 No | 2352 |
| 986 | ELEC-5.1.10 | Supply of 16" (400mm) Pedestal Fan. Makes: Crompton SDX Gold / Bajaj Spectrum / Havells Swing Remote / Usha / Orient. | 1 No | 2714 |
| 987 | ELEC-5.1.11 | Supply of 18" (450mm) Wall mounting / Pedestal Air Circulators. Makes: Crompton / Havells Turbo Force / Orient / Almounard. | 1 No | 6000 |
| 988 | ELEC-5.1.12 | Supply of 24" (600mm) Wall mounting / Pedestal Air Circulators. Makes: Crompton / Havells Turbo Force / Almounard. | 1 No | 6600 |
| 989 | ELEC-5.1.13 | Supply of 12" (300mm) Cabin fan. Makes: Crompton / Havells ciera / Orient AP12. | 1 No | 1550 |
| 990 | ELEC-5.1.14 | Supply of 12" (300mm) Light duty exhaust fan with wire guard etc complete. Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air / MIIT. | 1 No | 1350 |
| 991 | ELEC-5.1.15 | Supply of 9" (225mm), Light duty exhaust fan with double ball bearing and wire guard etc complete. Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DS / Orient hill air / MIIT. | 1 No | 1265 |
| 992 | ELEC-5.1.16 | Supply of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force. | 1 No | 2645 |
| 993 | ELEC-5.1.17 | Supply of 15" (375mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force | 1 No | 3220 |
| 994 | ELEC-5.1.18 | Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. | 1 No | 4100 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Makes: Crompton / Almounard / Havells Turbo Force | | |
| | 5.2 | WATER HEATERS | | |
| 995 | ELEC-5.2.1 | Supply, Transportation and fixing of storage / Pressure type Vertical / Horizontal 230/250V single phase 2000watts ISI mark 5 Star rated water heater with SS tank and ABS plastic body of 15 Ltrs capacity to withstand up to 6.5 bar of water pressure including all standard accessories and dead weight pressure reducing valve on out let side, including cost of 2 Nos nylon / PVC / Metallic hose pipe, testing and all labour charges etc., complete. Makes: Crompton model No. solarium plus SWH 725, Class 1 rated or its equivalent make of Bajaj / Venus / Racold / Usha / V-Guard / Havells. | 1 No | 8866 |
| 996 | ELEC-5.2.2 | Supply, Transportation and fixing of storage / Pressure type Vertical / Horizontal 230/250V single phase 2000watts ISI mark 5 Star rated water heater with SS tank and ABS plastic body of 25 Ltrs capacity to withstand up to 6.5 bar of water pressure including all standard accessories and dead weight pressure reducing valve on out let side, including cost of 2 Nos nylon / PVC / Metallic hose pipe, testing and all labour charges etc., complete. Makes: Crompton model No. solarium plus SWH 725, Class 1 rated or its equivalent make of Bajaj / Venus / Racold / Usha / V-Guard / Havells | 1 No | 10438 |
| | 5.3 | ACCESSORIES FOR WATER HEATERS | | |
| 997 | ELEC-5.3.1 | Heating element of 1.5 / 2.0 / 3.0 KW. | 1 No | 381 |
| 998 | ELEC-5.3.2 | Supply of thermostat with range 30° to 90°C. Adjustable and suitable for 25 to 50 Ltrs. Capacity. | 1 No | 263 |
| 999 | ELEC-5.3.3 | Supply of pressure release valve for water heater of 15 to 50 Ltrs.capacity. | 1 No | 263 |
| 1000 | ELEC-5.3.4 | Flexible Nylon / PVC Metallic hose pipe | 1 No | 158 |
| | 5.4 | ACCESSORIES FOR MOTORS | | |
| 1001 | ELEC-5.4.1 | Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS encloser comprising of contactor with bi-metallic relay with necessary push buttons, etc., complete. Makes: Siemens / Crompton / L&T. | 1 No | 780 |
| 1002 | ELEC-5.4.2 | Supply & Fixing of D.O.L Starter 415V, 3 phase, 50Hz.. enclosed with no volt coil and overload protection with necessary materials, etc., complete suitable upto 7.5.HP. Makes: Siemens / Crompton / L&T. | 1 No | 1450 |
| 1003 | ELEC-5.4.3 | Motor Cover made with GI sheet of 18SWG for protection from rain complete. | 1 No | 60 |
| 1004 | ELEC-5.4.4 | Supply & Fixing of D.O.L Starter 415V, 3 phase, 50Hz.. enclosed with no volt coil, overload protection and single phase preventor , etc., complete suitable upto 10.0.HP. Makes: Siemens / Crompton / L&T. | 1 No | 2490 |
| | | SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS | | |
| 1005 | ELEC-5.4.5 | Supply and Transportation of 0.75HP 8 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 14700 |
| 1006 | ELEC-5.4.6 | Supply and Transportation of 0.75HP 8 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 14000 |
| 1007 | ELEC-5.4.7 | Supply and Transportation of 1.00HP 10 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 16800 |
| 1008 | ELEC-5.4.8 | Supply and Transportation of 1.00HP 10 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 16000 |
| 1009 | ELEC-5.4.9 | Supply and Transportation of 1.00HP 15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 17325 |
| 1010 | ELEC-5.4.10 | Supply and Transportation of 1.00HP 15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 16500 |
| 1011 | ELEC-5.4.11 | Supply and Transportation of 1.50HP 21 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 21000 |
| 1012 | ELEC-5.4.12 | Supply and Transportation of 1.50HP 21 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 20000 |

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| 1 | 2 | 3 | 4 | 5 |
| 1013 | ELEC-5.4.13 | Supply and Transportation of 2.00HP 25 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 25200 |
| 1014 | ELEC-5.4.14 | Supply and Transportation of 2.00HP 25 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 24000 |
| 1015 | ELEC-5.4.15 | Supply and Transportation of 3.00HP 10-15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 22000 |
| 1016 | ELEC-5.4.16 | Supply and Transportation of 3.00HP 10-15 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 20000 |
| | | Star Rated THREE PHASE SUBMERSIBLE MOTOR PUMP SETS. | | |
| 1017 | ELEC-5.4.17 | Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 28000 |
| 1018 | ELEC-5.4.18 | Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel | 1 No | 25200 |
| 1019 | ELEC-5.4.19 | Supply and Transportation of 3.00HP 30- 35 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 35000 |
| 1020 | ELEC-5.4.20 | Supply and Transportation of 3.00HP 30- 35 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna | 1 No | 31500 |
| 1021 | ELEC-5.4.21 | Supply and Transportation of 5.00HP 35 - 40 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 40000 |
| 1022 | ELEC-5.4.22 | Supply and Transportation of 5.00HP 35 - 40 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna | 1 No | 36000 |
| 1023 | ELEC-5.4.23 | Supply and Transportation of 5.00HP 45 - 50 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 43000 |
| 1024 | ELEC-5.4.24 | Supply and Transportation of 5.00HP 45 - 50 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna | 1 No | 38700 |
| 1025 | ELEC-5.4.25 | Supply and Transportation of 5.00HP 55 - 60 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 45000 |
| 1026 | ELEC-5.4.26 | Supply and Transportation of 5.00HP 55 - 60 ,Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna | 1 No | 40500 |
| 1027 | ELEC-5.4.27 | Supply and Transportation of 6.00HP 15 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 42000 |
| 1028 | ELEC-5.4.28 | Supply and Transportation of 6.00HP 15 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel | 1 No | 37800 |
| 1029 | ELEC-5.4.29 | Supply and Transportation of 7.5 HP 20 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 50000 |
| 1030 | ELEC-5.4.30 | Supply and Transportation of 7.5 HP 20 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel | 1 No | 45000 |
| 1031 | ELEC-5.4.31 | Supply and Transportation of 10 HP 25 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 60000 |
| 1032 | ELEC-5.4.32 | Supply and Transportation of 10 HP 25 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel | 1 No | 54000 |
| 1033 | ELEC-5.4.33 | Supply and Transportation of 15 HP 27 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 65000 |
| 1034 | ELEC-5.4.34 | Supply and Transportation of 15 HP 27 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel | 1 No | 58500 |

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| 1 | 2 | 3 | 4 | 5 |
| 1035 | ELEC-5.4.35 | Supply and Transportation of 20 HP 30 Stage, 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / Aryan Varsha / KSB. | 1 No | 75000 |
| 1036 | ELEC-5.4.36 | Supply and Transportation of 20 HP 30 Stage , 5 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Flowell / Waterman / Lubi / Varuna / U-neel. | 1 No | 67500 |
| SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS. | | | | |
| 1037 | ELEC-5.4.37 | Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 11550 |
| 1038 | ELEC-5.4.38 | Supply and Transportation of 1.00HP Single phase open well ISI submersible motor pumpset. Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 11000 |
| 1039 | ELEC-5.4.39 | Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 13125 |
| 1040 | ELEC-5.4.40 | Supply and Transportation of 1.50HP Single phase open well ISI submersible motor pumpset. Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 12500 |
| 1041 | ELEC-5.4.41 | Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 17850 |
| 1042 | ELEC-5.4.42 | Supply and Transportation of 3.00HP Single phase open well ISI submersible motor pumpset. Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 17000 |
| THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS. | | | | |
| 1043 | ELEC-5.4.43 | Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65x50) Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 17850 |
| 1044 | ELEC-5.4.44 | Supply and Transportation of 3.00HP Three phase open well ISI submersible motor pumpset.(65x50) Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 17000 |
| 1045 | ELEC-5.4.45 | Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75x65) Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 22050 |
| 1046 | ELEC-5.4.46 | Supply and Transportation of 5.00HP Three phase open well ISI submersible motor pumpset.(75x65) Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 21000 |
| 1047 | ELEC-5.4.47 | Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 26250 |
| 1048 | ELEC-5.4.48 | Supply and Transportation of 7.50HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 25000 |
| 1049 | ELEC-5.4.49 | Supply and Transportation of 10.00HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 33600 |
| 1050 | ELEC-5.4.50 | Supply and Transportation of 10.00HP Three phase open well ISI submersible motor pumpset.(100x75) Makes: Aryan Varsha / Flowell / Waterman / U-neel. | 1 No | 32000 |
| SINGLE PHASE MONO BLOCK MOTOR PUMP SETS. | | | | |
| 1051 | ELEC-5.4.51 | Supply and Transportation of 0.5HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Havells Hi-flow V2 | 1 No | 5145 |
| 1052 | ELEC-5.4.52 | Supply and Transportation of 0.5HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Aryan Varsha / Flowell / Waterman / Havells Hi-flow S2 | 1 No | 4900 |
| 1053 | ELEC-5.4.53 | Supply and Transportation of 1.0HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB / Havells Hi-flow V1 | 1 No | 7455 |
| 1054 | ELEC-5.4.54 | Supply and Transportation of 1.0HP Single phase ISI Mono block CI body motor pumpset (25x25mm). Makes: Aryan Varsha / Flowell / Waterman / Havells Hi-flow S1 | 1 No | 7100 |
| 1055 | ELEC-5.4.55 | Supply and Transportation of 1.5HP Single phase ISI Mono block CI body motor pumpset (32x25mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 9975 |
| 1056 | ELEC-5.4.56 | Supply and Transportation of 1.5HP Single phase ISI Mono block CI | 1 No | 9500 |

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| | | body motor pumpset (32x25mm). Makes: Aryan Varsha / Flowell / Waterman. | | |
| 1057 | ELEC-5.4.57 | Supply and Transportation of 1.02HP Single phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 12600 |
| 1058 | ELEC-5.4.58 | Supply and Transportation of 1.02HP Single phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 12000 |
| 1059 | ELEC-5.4.59 | Supply and Transportation of 2.00HP Three phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 14700 |
| 1060 | ELEC-5.4.60 | Supply and Transportation of 2.00HP Three phase ISI self priming Mono block IP44 motor pumpset (40x40mm). Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 14000 |
| 1061 | ELEC-5.4.61 | Supply and Transportation of 3.00HP Three phase ISI self priming Mono block IP44 motor pumpset (50x50mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 19950 |
| 1062 | ELEC-5.4.62 | Supply and Transportation of 3.00HP Three phase ISI self priming Mono block IP44 motor pumpset (50x50mm). Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 19000 |
| 1063 | ELEC-5.4.63 | Supply and Transportation of 5.00HP Three phase ISI self priming Mono block IP44 motor pumpset (80x80mm). Makes: Kirloskar / Crompton / Texmo / CRI / KSB. | 1 No | 24150 |
| 1064 | ELEC-5.4.64 | Supply and Transportation of 5.00HP Three phase ISI self priming Mono block IP44 motor pumpset (80x80mm). Makes: Aryan Varsha / Flowell / Waterman. | 1 No | 23000 |
| | | CONTROL PANEL BOARD FOR MOTORS | | |
| 1065 | ELEC-5.4.65 | Fabrication , transportation and supply of suitable size panel board for single phase submersible motor up to 1.5 HP consisting of relay, Contactor, starting and running capacitors, Voltmeter, Ammeter, indicator lamps, MCB , on/off switch. Makes: LT / LK / BCH / Crompton/ Siemens. | 1 No | 4800 |
| 1066 | ELEC-5.4.66 | Fabrication , transportation and supply of suitable size panel board for single phase submersible motor above 2 Hp to 3 HP consisting of relay, Contactor, starting and running capacitors, Voltmeter, Ammeter, indicator lamps, MCB , on/off switch. Makes; LT / LK / BCH / Crompton/ Siemens. | 1 No | 5500 |
| 1067 | ELEC-5.4.67 | Supply of 32mm dia PE 80 Grade material 12.5 kg / Cm ² ISI Mark HDPE pipe upto 600 feet Makes : Sudhakar / Reliance / Duroline / Premier / Vijaya / Godavari. | 1 RM | 100 |
| 1068 | ELEC-5.4.68 | Supply of 40mm dia PE 80 Grade material 16 kg / Cm ² ISI Mark HDPE pipe above 600 feet to 1000 feet Makes : Sudhakar / Reliance / Duroline / Premier / Vijaya / Godavari. | 1 RM | 160 |
| 1069 | ELEC-5.4.69 | Supply of 40mm dia PE 80 Grade material 20 kg / Cm ² ISI HDPE pipe above 1000 feet Makes : Sudhakar / Reliance / Duroline / Premier / Vijaya / Godavari. | 1 RM | 180 |
| 1070 | ELEC-5.4.70 | Supply and fixing of 32mm x 25mm dia stainless steel Nipple. | 1 No | 150 |
| 1071 | ELEC-5.4.71 | Supply and fixing of 40mm x32mm dia stainless steel Nipple. | 1 No | 175 |
| 1072 | ELEC-5.4.72 | Supply and fixing of 50mm x 40mm dia stainless steel Nipple | 1 No | 375 |
| 1073 | ELEC-5.4.73 | Supply and fixing of MS clamp set (2 Nos) suitable for 32mm dia pipe with 8Nos nut & bolts | 1 No | 950 |
| 1074 | ELEC-5.4.74 | Supply and fixing of MS clamp set (2 Nos) suitable for 40mm dia pipe with 8Nos nut & bolts | 1 No | 1200 |
| 1075 | ELEC-5.4.75 | Supply and fixing of 32mm dia brass Non return valve ISI make | 1 No | 500 |
| 1076 | ELEC-5.4.76 | Supply and fixing of 40mm dia brass Non return valve ISI make | 1 No | 750 |
| | | Supply and delivery of wall mounted control panel board of size 600x600x250mm made of 18 SWG CRCA sheet steel enclosure, 14 SWG mounting plate for cable entry fabricated , painted with two coats of Red oxide primer and two coats of Grey paint, lock and key arrangements two side louveres with weld mesh inside etc., complete consisting of the following equipment with all internal wiring using L&T / Finolex copper FRLS cables of suitable size and capacity and cable clamp etc complete for 3 phase motor pump sets. | | |
| | 1 | Voltmeter ; 0-500 V 96x96mm size. Makes: L&T / C&S / SALZAR / HPL / AEI / Meco / Rishab -1No | | |
| | 2 | 0 to 20 Amps / 0 50 Amps Ammeter (96x96mm size). Makes: L&T / C&S / SALZAR / HPL / AEI / Meco / Rishab-1No. | | |
| | 3 | Single phase preventor of suitable range Makes: L&T / Minilec / Powertec. -1No. | | |

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| | 4 | TP, 10KA MCB Makes: Legrand / Schneider / - 1No | . | |
| | 5 | Indication lamps (R-Y-B) with switch control - 1set | | |
| | 6 | Voltmeter & Ammeter selector switch - 2 Nos | | |
| | 7 | Supply and delivery of ISI Mark capacitor Makes: L&T / Siemens / Schneider / Epcos. | | |
| 1077 | ELEC-5.4.77 |do..... Upto 7.5 HP with DOL Starter. Makes: Crompton / L&T / Siemens. | 1 No | 8000 |
| 1078 | ELEC-5.4.78 |do.....Above 7.5 HP up to 15 HP with Automatic Star Delta Starter. Makes: Crompton / L&T / Siemens. | 1 No | 12000 |
| 1079 | ELEC-5.4.79 |do.....Above 15 HP up to 20 HP with Automatic Star Delta Starter. Makes: Crompton / L&T / Siemens. | 1 No | 16000 |
| | 5.5 | REPAIRS TO AIR CONDITIONERS, SPLIT, CASSETTE AND TOWER MODEL AIR CONDITIONERS | | |
| | I. | REPAIRS TO AIR CONDITIONERS, | | |
| 1080 | ELEC-5.5.1 | Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of split AC unit. | 1 Set | 1000 |
| 1081 | ELEC-5.5.2 | Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Cassete Air-Conditioner including foaming etc., complete. 1.3/4" x 3/8" 2. 5/8" x 1/4" 3. 1/2" x 1/4" | 1 RM | 1000 |
| 1082 | ELEC-5.5.3 | Supply of 1.0 / 1.5 Ton brand new Rotary type sealed compressor. | 1 No | 8150 |
| 1083 | ELEC-5.5.4 | Supply of 2.0 Ton brand new Rotary type sealed compressor. | 1 No | 9250 |
| 1084 | ELEC-5.5.5 | Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit Makes : Crompton / AU. | 1 No | 1590 |
| 1085 | ELEC-5.5.6 | Fan motor capacitor 6 mfd by new capacitor for A.C machine of 1.0 1.5 / Ton Capacity. Make: Siemens / Crompton / L&T / Tibcon | 1 No | 156 |
| 1086 | ELEC-5.5.7 | Thermostat switch suitable for 1.0 / 1.5 / 2.0 Ton A.C.Unit. | 1 No | 410 |
| 1087 | ELEC-5.5.8 | Starting capacitor of 80 to 120 mfd. by new approved make capacitor suitable for compressor motor of 1.0 / 1.5 Ton A.C. Unit. Make: Siemens / Crompton / L&T / Tibcon | 1 No | 189 |
| 1088 | ELEC-5.5.9 | Running capacitor of 36 mfd by new approved make capacitor suitable for compressor motor of 1.0 / 1.5 Ton A.C.Unit. Make: Siemens / Crompton / L&T / Tibcon | 1 No | 242 |
| 1089 | ELEC-5.5.10 | Relay by approved make having pickup voltage 220 Volts and dropout voltage 120 Volts suitable for 1.0 / 1.50 Ton A.C. Unit. | 1 No | 225 |
| 1090 | ELEC-5.5.11 | Filter and capillary tube including welding etc., complete for 1.0 / 1.5 / 2.0 Ton A.C.Unit. | 1 No | 485 |
| 1091 | ELEC-5.5.12 | Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON. | 1 No | 225 |
| 1092 | ELEC-5.5.13 | Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON. | 1 No | 475 |
| 1093 | ELEC-5.5.14 | Rewiring the entire Window type 1.50 Ton A.C.unit with 2.5 Sq.mm Flexible copper cable and putting the same in working conditions. | 1 No | 341 |
| 1094 | ELEC-5.5.15 | Overhauling and servicing the Window type 1.0 / 1.5 Ton A.C. Machine by Cleaning the condensor cooling Coil etc., by blower and oiling the Fan Motor and Cleaning all parts and putting the machine in working condition. | 1 No | 368 |
| 1095 | ELEC-5.5.16 | Fan blade for 1.0 / 1.5 Ton A.C.Machine. | 1 No | 560 |
| 1096 | ELEC-5.5.17 | Grill of 1.0 / 1.5 ton A.C. Machine (for assembled Units). | 1 No | 427 |
| 1097 | ELEC-5.5.18 | Grill of 1.0 / 1.5 ton A.C. Machine of branded units. | 1 No | 1700 |
| 1098 | ELEC-5.5.19 | Rotary / Selector switch by new one. | 1 No | 115 |
| 1099 | ELEC-5.5.20 | Flushing the line, leak testing, leak stopping, vaccumming, dehydrating and charging the gas in the refrigeration system for 1.0/ 1.5 /2.0 Ton Window A.C.Unit. | 1 No | 1500 |
| 1100 | ELEC-5.5.21 | Flushing the line, leak testing, leak stopping, vaccumming, dehydrating and charging the gas in the refrigeration system for 1.5 /2.0 Ton Split A.C.Unit. | 1 No | 2100 |
| 1101 | ELEC-5.5.22 | Spray painting of Refrigerator using good quality paint after scraping the surface etc. | 1 No | 720 |
| 1102 | ELEC-5.5.23 | New sealed compressor of 1/8 HP suitable for 165 to 185 Ltrs. Capacity Refrigerator. | 1 No | 3100 |
| 1103 | ELEC-5.5.24 | Sealed compressor of 1/6 HP suitable for 285 / 310 Ltrs. Capacity Refrigerator. | 1 No | 3750 |
| 1104 | ELEC-5.5.25 | Supply of fan motor by new 1/10 to 1/12 H.P 1250 RPM fan motor for Water Cooler of 80-150 Ltrs. | 1 No | 1590 |
| 1105 | ELEC-5.5.26 | Bush for fan motor of 80-150 Lts. | 1 No | 125 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1106 | ELEC-5.5.27 | Resistance type regulator for ceiling fans 900/1200/1400mm sweep complete erected on existing board. | 1 No | 40 |
| 1107 | ELEC-5.5.28 | Installation of Split Air Conditioners. | 1 No | 1500 |
| 1108 | ELEC-5.5.29 | Removing of existing Split Air Conditioners without damaging to copper pipe. | 1 No | 400 |
| 1109 | ELEC-5.5.30 | Installation of Cassette type Split Air Conditioners. | 1 No | 3000 |
| 1110 | ELEC-5.5.31 | Installation of Tower type Split Air Conditioners. | 1 No | 2500 |
| 1111 | ELEC-5.5.32 | Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of Casseete AC unit. | 1 Set | 2000 |
| 1112 | ELEC-5.5.33 | Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Casseete Air-Conditioner including foaming etc., 1.7/8" x 1/2" complete. | 1 RM | 1500 |
| 1113 | ELEC-5.5.34 | Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Casseete Air-Conditioner including foaming etc., 1. 1 1/8" x 5/8" complete. | 1 RM | 1750 |
| | II. | AIR CONDITIONERS | | |
| | | Supply of split AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 3.5 mts of copper piping, insulation kit and 4 mts of 3 core copper flexible chord , built-in stabilizer (Voltage range 160- 264 volts) and cordless remote control | | |
| | A | 1.5TR Split ACs | | |
| 1114 | ELEC-5.5.35 |do..... 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22 Makes: Mitsubishi SRK 19 CK-6 | 1 No | 40811 |
| 1115 | ELEC-5.5.36 |do..... 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FTE-M or N Sereis / Carrier Novello / Blue Star 3HW18VB1 / Hitachi (Kazi+) / Voltas 183 PX-R. | 1 No | 38535 |
| 1116 | ELEC-5.5.37 |do..... 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22. Makes: Godrej GSC18FT3 WNT / Lloyds | 1 No | 36000 |
| 1117 | ELEC-5.5.38 |do..... 1.5 TR 5 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-22 Makes: Mitsubishi SRK20CKS-6 / Hitachi ACE FMS | 1 No | 48650 |
| 1118 | ELEC-5.5.39 |do..... 1.5 TR 5 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32 / R-410A with COP not less than 3.6 w/w Makes: Daikin FTF50QRV16 or its equivalent model of Carrier / Blue Star. | 1 No | 46258 |
| | B | 1.8TR-2.1TR Split ACs | | |
| 1119 | ELEC-5.5.40 |do..... 1.8 / 2.0 TR 3 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-32 / R-22 with COP not less than 3.25 w/w. Makes: Daikin FTC60QRV16 or its equivalent make of Carrier / Blue Star | 1 No | 50016 |
| 1120 | ELEC-5.5.41 |do..... 1.8 / 2.0 TR 3 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-32 / R-22 with COP not less than 3.25 w/w. Makes: Godrej GSC24FW3 WNU / Lloyds | 1 No | 45000 |
| 1120 | ELEC-5.5.42 |do..... 2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' General. | 1 No | 56490 |
| 1121 | ELEC-5.5.43 |do..... 2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 Makes: Carrier Kurve. | 1 No | 49980 |
| 1122 | ELEC-5.5.44 |do..... 1.8 / 2.0 TR 4 Star capable of delivering 21600 BTU/hr and above with operating on refrigerant R-22 / R-32 with COP not less than 3.4 w/w Makes: Daikin FTF60QRV16 or its equivalent of Mitsubishi | 1 No | 58654 |
| | C | Inverter Split AC Units (Cooling Only) | | |
| | | Supply of INVERTER Model Cool type split AC unit with high wall mounted Single Split indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing Heat cool | | |

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| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | dehumidifying air circulating and filtering with cooling and condensing units with 3.5 mts of copper piping, insulation kit and 4 mts of 4 core copper flexible chord , built-in stabilizer (Voltage range 160- 264 volts) and cordless remote control | | |
| 1123 | ELEC-5.5.45 |do..... 1.5 TR capable of delivering 18000 BTU/hr and above with operating on refrigerant R-410 Makes: O General model No. ASGA18JCC / Toshiba Model No. RAS-18N3KCV-IN | 1 No | 57865 |
| 1124 | ELEC-5.5.46 |do..... 1.5 TR capable of delivering 18000 BTU/hr and above with operating on refrigerant R-410 / R-32 with COP not less than 3.8 w/w Makes: 'Daikin Model No. FTKM50QRV16 or its equivalent of Mitsubishi | 1 No | 56364 |
| 1125 | ELEC-5.5.47 |do..... 1.8 TR capable of delivering 21600 BTU/hr and above with operating on refrigerant R-410 / R-32 with COP not less than 3.6 w/w Makes: Daikin FTKM60QRV16 or its equivalent of Thosibha | 1 No | 71715 |
| 1126 | ELEC-5.5.48 |do..... 2.0 TR capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410 Makes: 'O' General Model No. ASGA24JCC / Blue Star Model No. HNHW22CBF | 1 No | 67295 |
| | | CASSETTE TYPE AC UNITS | | |
| | | Supply of Cassette type AC unit with ceiling mounted indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units etc complete with Wireless remote controller, but without refrigerant piping and cable. | | |
| 1127 | ELEC-5.5.49 |do..... Single Phase R-22 Makes: 2.2TR Daikin FHC28EXVI / R28CGXVI 2.0TR 'O' Genral AUG25AB | 1 No | 88560 |
| 1128 | ELEC-5.5.50 |do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' Genral | 1 No | 130090 |
| 1129 | ELEC-5.5.51 |do..... 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: 'O' General | 1 No | 137940 |
| 1130 | ELEC-5.5.52 |do..... 3.3TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FHC40EXVI / R40DGXY1 | 1 No | 125210 |
| 1131 | ELEC-5.5.53 |do..... 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22. Makes: Carrier / Blue Star | 1 No | 125000 |
| 1132 | ELEC-5.5.54 |do..... 4.1TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-22 Makes: Daikin FHC50EXV1 / R50DGXY1 / 'O' Genral | 1 No | 141912 |
| 1133 | ELEC-5.5.55 |do..... 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-22 Makes: Carrier / Blue Star | 1 No | 115000 |
| 1134 | ELEC-5.5.56 |do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-410 Makes: Carrier / Blue Star. | 1 No | 116300 |
| 1135 | ELEC-5.5.57 |do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-410 . (Inverter Technology) Makes: Toshiba / O General (Inverter Technology) | 1 No | 155170 |
| 1136 | ELEC-5.5.58 |do..... 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-410 Makes: Carrier / Blue Star | 1 No | 133000 |
| 1137 | ELEC-5.5.59 |do..... 4.0TR Three Phase capable of delivering 48000 BTU/hr and above with operating on refrigerant R-410 (Inverter Technology) Makes: Toshiba / O General | 1 No | 168190 |
| | | TOWER MODEL TYPE AC UNITS | | |
| | | Supply of Slim line / Tower Model/Verticool type split AC unit with indoor unit and floor mounted outdoor condensing unit Hermetically sealed Scroll compressor suitable for operation on AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units etc complete with cordless remote control | | |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1138 | ELEC-5.5.60 |do..... 3.0TR Three Phase capable of delivering 36000 BTU/hr and above with operating on refrigerant R-22 Makes: Voltas | 1 No | 80000 |
| 1139 | ELEC-5.5.61 |do..... 3.5TR Three Phase capable of delivering 42000 BTU/hr and above with operating on refrigerant R-22 Makes: Blue Star | 1 No | 82500 |
| | | INVERTOR MODEL HEAT COOL SPLIT AC'S | | |
| 1140 | ELEC-5.5.62 | Supply, transportation of 1.5 TR capacity (HEAT and COOL) high wall mounted indoor evaporator unit and outdoor condensing unit with Heat pump, cord less remote control and hermetically sealed rotary compressor operating on refrigerent R-410A suitable for operation on 230V, 50Hz, single phase A.C supply, capable of performing of capable of performing of cooling capacity 5.25KW and above and heating capacity 5.28 KW and above, Running current in cooling mode less than 7.19 Amps, & in Heating mode less than 6.53 Amps , Power Consumption in Cooling mode not more than 1635 W and in heating mode not more than 1490 W co-efficient of performance in cooling mode not less than 3.21 & in heating mode not less than 3.54, dehumidifing Aircirculating and filtering with cooling and condensing unit duly insulated and 3 core copper flexible chord of required length etc with 2 years comprehensive warranty and 5 years warranty on compressor etc complete. Make: Daikin Model No FTYN50JXVI or its equivalent model of Toshiba / Mitsubishi / O General. | 1 No | 58380 |
| | | Indoor Unit | | |
| | | a) Noise level: in Cooling mode not more than 44 DB(A) | | |
| | | b) Air flow rate: 16.1 to 10.6 meter cube per minute(570 to 375 cfm) | | |
| | | Out door Unit | | |
| | | a) Noise level: In Cooling mode not more than 49 DB(A) | | |
| 1141 | ELEC-5.5.63 | Supply, transportation of 1.8 / 2.0 TR capacity , (HEAT and COOL) high wall mounted indoor evaporator unit and outdoor condensing unit with Heat pump, cord less remote control and hermetically sealed rotary compressor operating on refrigerent R-410A suitable for operation on 230V, 50Hz, single phase A.C supply, capable of performing of cooling capacity 6.01KW and above and heating capacity 6.15 KW and above, Running current in cooling mode less than 8.26 Amps, & in Heating mode less than 7.99 Amps , Power Consumption in Cooling mode not more than 1870W and in heating mode not more than 1800 W, co-efficient of performance in cooling mode not less than 3.21 & in heating mode not less than 3.40, dehumidifing Aircirculating and filtering with cooling and condensing unit duly insulated and 3 core copper flexible chord of required length etc with 2 years comprehensive warranty and 5 years warranty on compressor etc complete. Make: Daikin Model No FTYN60JXVI or its equivalent model of Toshiba / Mitsubishi / O General | 1 No | 68838 |
| | | Indoor Unit | | |
| | | a) Noise level: in Cooling mode not more than 48 DB(A) | | |
| | | b) Air flow rate: 18.2 to 11.8 meter cube per minute (641 to 418 cfm) | | |
| | | Out door Unit | | |
| | | a) Noise level: In Cooling mode not more than 52 DB(A) | | |
| | | STABILIZERS | | |
| 1142 | ELEC-5.5.64 | Supply of 0.5 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL. | 1 No | 990 |
| 1143 | ELEC-5.5.65 | Supply of 0.5 KVA Stabilizer. Makes: Keeline / Soft Line / Capri. | 1 No | 810 |
| 1144 | ELEC-5.5.66 | Supply of 1.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL. | 1 No | 1805 |
| 1145 | ELEC-5.5.67 | Supply of 1.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri. | 1 No | 1615 |
| 1146 | ELEC-5.5.68 | Supply of 3.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL. | 1 No | 2500 |
| 1147 | ELEC-5.5.69 | Supply of 3.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri. | 1 No | 2300 |
| 1148 | ELEC-5.5.70 | Supply of 4.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL. | 1 No | 3325 |
| 1149 | ELEC-5.5.71 | Supply of 4.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri. | 1 No | 3135 |
| 1150 | ELEC-5.5.72 | Supply of 5.0 KVA Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL. | 1 No | 4002 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1151 | ELEC-5.5.73 | Supply of 5.0 KVA Stabilizer. Makes: Keeline / Soft Line / Capri. | 1 No | 3806 |
| | 5.6 | REPAIRS TO MOTORS AND REWINDING, BEARINGS | | |
| 1152 | ELEC-5.6.1 | Bearing of approved make for electric motor single phase / 3 phase AC upto 1 HP of all types. | 1 No | 179 |
| 1153 | ELEC-5.6.2 | Bearing of approved make for electric motor single phase / 3 phase AC upto 2 to 3 HP of all types. | 1 No | 231 |
| 1154 | ELEC-5.6.3 | Bearing of approved make for electric motor single phase / 3 phase AC upto 5 to 7.5 HP of all types. | 1 No | 306 |
| 1155 | ELEC-5.6.4 | Bearing of approved make for electric motor single phase / 3 phase AC upto 10 to 12.5 HP of all types. | 1 No | 319 |
| 1156 | ELEC-5.6.5 | Bearing of approved make for electric motor single phase / 3 phase AC upto 15 to 20 HP of all types. | 1 No | 489 |
| 1157 | ELEC-5.6.6 | Bearing of table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested. | 1 No | 92 |
| 1158 | ELEC-5.6.7 | Bearing of bush / rubber / ring washers complete with alignment of shaft and tested. | 1 No | 44 |
| 1159 | ELEC-5.6.8 | Capacitor of table / cabin / pedestal / ceiling / exhaust fan complete. | 1 No | 42 |
| 1160 | ELEC-5.6.9 | EICHER model 11:10 with 100 H. P direct injection 4 stroke engine with one spare wheel 3800 mm cabin high deck with jangla (full body) (4 wheeler) for generator | 1 No | 795069 |
| | 6.1 | SWAGED POLES / OCTOGONAL POLES, GARDEN POSTS AND ACCESSORIES | | |
| 1161 | ELEC-6.1.1 | Fabrication, supply and transportation of all sizes swaged poles up to site confirming to IS 2713 / 1980 specifications. The pole should be painted with primary coat of red oxide and black bituminous paint up to ground level with base plate, including cost of all materials etc., complete.(Rate per K. G) | 1 Kg | 71 |
| 1162 | ELEC-6.1.2 | Fabrication and Supply of M.S. Poles for garden posts with 'B' class 60.25mm outer dia with base plate and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete. (Rate per K. G) | 1 Kg | 65 |
| 1163 | ELEC-6.1.3 | Supply of different sizes of M. S. Pipe brackets (Rate per K.G) | 1 Kg | 65 |
| 1164 | ELEC-6.1.4 | Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 7 Mtrs height Pole having dimensions Bottom 130 mm,, Top 70mm with 3mm thick, base plate 220 x 220 x 12mm and 4 Nos of M20 x 700 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 10503 |
| 1165 | ELEC-6.1.5 | Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 7 Mtrs height Pole having dimensions Bottom 130 mm,, Top 70mm with 3mm thick, base plate 220 x 220 x 12mm and 4 Nos of M20 x 700 long 'J' bolts along with template. Makes: Surya / LAASMA. | 1 No | 9200 |
| 1166 | ELEC-6.1.6 | Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 8Mtrs height Pole having dimensions Bottom 135 mm,, Top 70mm with 3mm thick, base plate 225 x 225 x 16mm and 4 Nos of M20 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 11500 |
| 1167 | ELEC-6.1.7 | Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 8Mtrs height Pole having dimensions Bottom 135 mm,, Top 70mm with 3mm thick, base plate 225 x 225 x 16mm and 4 Nos of M20 x 750 long 'J' bolts along with template. Makes: Surya / LAASMA. | 1 No | 9300 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1168 | ELEC-6.1.8 | Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm., Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 15329 |
| 1169 | ELEC-6.1.9 | Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm., Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Surya / LAASMA. | 1 No | 13507 |
| 1170 | ELEC-6.1.10 | Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 10 Mtrs height Pole having dimensions Bottom 175 mm., Top 70mm with 3mm thick, base plate 275 x 275 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 16057 |
| 1171 | ELEC-6.1.11 | Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 10 Mtrs height Pole having dimensions Bottom 175 mm., Top 70mm with 3mm thick, base plate 275 x 275 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Surya / LAASMA. | 1 No | 14098 |
| 1172 | ELEC-6.1.12 | Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 240mm, Top 100mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 25040 |
| 1173 | ELEC-6.1.13 | Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 240mm, Top 100mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template. Makes: Surya / LAASMA. | 1 No | 22536 |
| 1174 | ELEC-6.1.14 | Fabrication, Transportation and supply of 1.0 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. | 1 No | 1215 |
| 1175 | ELEC-6.1.15 | Fabrication, Transportation and supply of 1.50 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. | 1 No | 1604 |
| 1176 | ELEC-6.1.16 | Fabrication, Transportation and supply of 1 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. | 1 No | 1400 |
| 1177 | ELEC-6.1.17 | Fabrication, Transportation and supply of 1.50 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. | 1 No | 2479 |
| 1178 | ELEC-6.1.18 | Fabrication, Transportation and supply of 1.5 Mtr Length Single Arm suitable size decorative galvanized Bracket with PU paint colour finish etc complete. Makes: Valmont / Schreder | 1 No | 5000 |
| 1179 | ELEC-6.1.19 | Fabrication, Transportation and supply of 1.5 Mtr Length Double Arm suitable size decorative galvanized Bracket with PU paint colour finish etc complete. Makes: Valmont / Schreder | 1 No | 9000 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1180 | ELEC-6.1.20 | Fabrication, Transportation and supply of of 1.5mtrs sword type decorative double arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe. | 1 No | 4500 |
| 1181 | ELEC-6.1.21 | Foundation and erection charges for 9 mtrs / 10 Mtrs long Octagonal/Conical pole duly erecting on base plate 290mm x 290mm x 16mm thick duly providing 4 Nos. foundation bolts with nuts with providing of M20 c.c work vibrated concreting mixing with necessary steel (15kgs) reinforcement as directed by the field engineers during execution including all labour charges and cost and conveyance of materials etc. complete. | 1 No | 4950 |
| 1182 | ELEC-6.1.22 | Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 360mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 520mm dia 16mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity, suitable for 6 luminaires with GLS type aviation twin lamp. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 103354 |
| 1183 | ELEC-6.1.23 | Fabrication, transportation and supply of 12 Mtrs Polygon High Mast with single section of 3mm thick of Bottom 360mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 520mm dia 16mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity, suitable for 6 luminaires with GLS type aviation twin lamp. Makes: Surya / LAASMA. | 1 No | 88790 |
| 1184 | ELEC-6.1.24 | Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 360mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 560mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 134879 |
| 1185 | ELEC-6.1.25 | Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 360mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 560mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes: Surya / LAASMA. | 1 No | 121391 |
| 1186 | ELEC-6.1.26 | Fabrication, transportation and supply of 20 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick of Bottom 410mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 | 1 No | 168256 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes: Bajaj / Valmont / TRANSRAIL. | | |
| 1187 | ELEC-6.1.27 | Fabrication, transportation and supply of 20 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick of Bottom 410mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes: Surya / LAASMA. | 1 No | 151430 |
| 1188 | ELEC-6.1.28 | Supply and fixing of suitable feeder piller box made with 14 SWG CRCA sheet including S & F of Legrand / Schnieder / Siemens / ABB / L&T make 40A TP MCB, 6 Nos SP MCB's, bus bars, 6 Sqmm 3 core copper cable for individual light control, contactor, suitable timer and connectors and provision for energy meter etc., complete for finished item of work. | 1 No | 28884 |
| 1189 | ELEC-6.1.29 | Supply and fixing of suitable feeder piller box made with 14 SWG CRCA sheet including S & F of Legrand / Schnieder / Siemens / ABB / L&T make 63A TP MCB, 8 Nos SP MCB's, bus bars, 6 Sqmm 3 core copper cable for individual light control, contactor, suitable timer and connectors and provision for energy meter etc., complete for finished item of work. | 1 No | 30473 |
| 1190 | ELEC-6.1.30 | Earth work excavation with a approximate quantity of 4.0 Cum for erection of 12 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8, 1.50 Cum M 20 grade concrete and (80 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete. | 1 No | 28073 |
| 1191 | ELEC-6.1.31 | Earth work excavation with a approximate quantity of 6.0 Cum for erection of 16 Mtrs high mast and refilling with a quantity of 0.65 Cum of PCC 1:4:8, 2.60 Cum M 20 grade concrete and (110 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete. | 1 No | 35794 |
| 1192 | ELEC-6.1.32 | Earth work excavation with a approximate quantity of 7.0 Cum for erection of 20 Mtrs high mast and refilling with a quantity of 0.75 Cum of PCC 1:4:8, 3.60 Cum M 20 grade concrete and (140 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for erection of High Mast and Carraige etc complete. | 1 No | 45551 |
| 1193 | ELEC-6.1.33 | Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a bottom 155mm dia and top 70mm dia, base plate of size 260mmx260mmx16mm thick welded to bottom of pole, terminal box with door size of 500mm x 100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5mtrs sword type decorative single arm bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 19165 |
| 1194 | ELEC-6.1.34 | Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long octagonal poles with 3mm thick HT steel plate with a | 1 No | 16828 |

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| 1 | 2 | 3 | 4 | 5 |
| | | bottom 155mm dia and top 70mm dia, base plate of size 260mmx260mmx16mm thick welded to bottom of pole, terminal box with door size of 500mm x 100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5mtrs sword type decorative single arm bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes: Surya / LAASMA. | | |
| 1195 | ELEC-6.1.35 | Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 173mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.0 mtrs C type decorative single arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 14580 |
| 1196 | ELEC-6.1.36 | Fabrication,transportation and supply of MS hot dip galvanized 9.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 173mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.0 mtrs C type decorative single arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes: Surya / LAASMA. | 1 No | 13122 |
| 1197 | ELEC-6.1.37 | Fabrication,transportation and supply of MS hot dip galvanized 10.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 184mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5 mtrs C type decorative Double arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes: Bajaj / Valmont / TRANSRAIL. | 1 No | 16740 |
| 1198 | ELEC-6.1.38 | Fabrication,transportation and supply of MS hot dip galvanized 10.0 Mtrs long Conical poles with 3mm thick HT steel plate with a bottom 184mm dia and top 75mm dia, base plate of size 275mmx275mmx16mm thick welded to bottom of pole, terminal box with door size of 500mmx100mm with all accessories connector and fuse base and a fixing arrangements for advertisements holdings, foundation bolts with washers and nuts 4 sets. including S&F of 1.5 mtrs C type decorative Double arm with painted bracket with dooms either sides complete with all accessories as per the requirements at site and as per the directions of field engineers during execution for finished item of work. Makes: Surya / LAASMA. | 1 No | 15066 |
| | | Supply of following sizes thermo plastic pole boxes IP 65 protection Make : Hensel / Sintex | | |
| 1199 | ELEC-6.1.39 | 300X150X170 | | 1220 |
| 1200 | ELEC-6.1.41 | 300X300X170 | | 1750 |
| 1201 | ELEC-6.1.42 | 300X450X170 | | 2385 |
| 1202 | ELEC-6.1.43 | 300X600X170 | | 2830 |
| 1203 | ELEC-6.1.44 | Erection charges for 7mts / 8mts long Octagonal pole on bridge kerb portion (R.C.C. with 4 Nos 8" Anchor bolts/ M20xsuitable "J" type bolts etc duly drilling holes to RCC slab and with V.C.C. M.15 concrete for base concreting up to a height of 8" with necessary Reinforcement work etc. including cost and conveyance of all material and all labour charges etc. complete as directed by the department officers. | 1 No | 3200 |
| | | Supply and transportation of following glass reinforced polymer (GRP) composite type Conical pole with single arm bracket of length | | |

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| | | 1Mtr and internal junction box including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip. | | |
| 1204 | ELEC-6.1.45 | ...do.... 3.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr | 1 No | 8908 |
| 1205 | ELEC-6.1.46 | ...do.... 4.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr | 1 No | 11168 |
| 1206 | ELEC-6.1.47 | ...do.... 6.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr | 1 No | 14275 |
| 1207 | ELEC-6.1.48 | ...do.... 8.00 Mtrs height, Bottom dia 193mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr | 1 No | 18795 |
| 1208 | ELEC-6.1.49 | ...do.... 10.00 Mtrs height, Bottom dia 227mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 155Km/Hr | 1 No | 27268 |
| | | Supply and transportation of base bracket suitable for glass reinforced polymer (GRP) composite type pole including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip. | | |
| 1209 | ELEC-6.1.50 | ...do.... For 3.00 Mtrs Pole | 1 No | 1650 |
| 1210 | ELEC-6.1.51 | ...do.... For 4.00 Mtrs Pole | 1 No | 1650 |
| 1211 | ELEC-6.1.52 | ...do.... For 6.00 Mtrs Pole | 1 No | 1980 |
| 1212 | ELEC-6.1.53 | ...do.... For 8.00 Mtrs Pole | 1 No | 2310 |
| 1213 | ELEC-6.1.54 | ...do.... For 10.00 Mtrs Pole | 1 No | 5500 |
| | 6.2 | CONTROL PANEL BOARD | | |
| 1214 | ELEC-6.2.1 | Fabrication and erection of 14SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges. | 1 Sqm | 3720 |
| 1215 | ELEC-6.2.2 | Fabrication and erection of 16 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges. | 1 Sqm | 3565 |
| 1216 | ELEC-6.2.3 | Fabrication and erection of 18SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges. | 1 Sqm | 3255 |
| | 6.3 | METERING EQUIPMENT | | |
| 1217 | ELEC-6.3.1 | Supply and erection of 0-415V Digital meter on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL | 1 No | 2500 |
| 1218 | ELEC-6.3.2 | Supply and erection of 0-415V Analog meter on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL | 1 No | 450 |
| 1219 | ELEC-6.3.3 | Supply and erection of 0-100 / 200 / 400 / 600 /1000 Digital Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL. | 1 No | 2500 |
| 1220 | ELEC-6.3.4 | Supply and erection of 0-100 / 200 / 400 / 600 /1000 Analog Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL. | 1 No | 450 |
| 1221 | ELEC-6.3.5 | Supply and erection of Digital frequency meter on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL. | 1 No | 4556 |
| 1222 | ELEC-6.3.6 | Supply and erection of Digital power factor meter, 3 phase, 4 wire balanced or unbalanced load 5A, 415V of size 96x96mm on existing box / panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL. | 1 No | 2700 |
| 1223 | ELEC-6.3.7 | Supply and erection of L.T. 3phase Digital multifunction energy meter with 3 lines LCD display for measuring all the parameters (voltage / Current / Power / frequency / power factor / kw / kwh / KVAR/ KVARH) on existing box panel board including connections etc., complete. Makes: CONZERVE / ELMEASURE / LEGRAND / MECO / HPL. | 1 No | 10023 |
| 1224 | ELEC-6.3.8 | Supply and erection of selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete. | 1 No | 175 |

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| 1 | 2 | 3 | 4 | 5 |
| 1225 | ELEC-6.3.9 | Makes: L&T / C&S / SALZAR / HPL Supply and erection of LED indicator lamps on the existing box / panel Makes: L&T / C&S / SALZAR / HPL . | 1 No | 135 |
| 1226 | ELEC-6.3.10 | Supply and erection of LT current transformer with bar primary 100/5A to 1000 / 5A ratio in the existing box / panel including connections etc., Makes: KAPPA | 1 No | 450 |
| 1227 | ELEC-6.3.11 | Supply and fixing of single phase Electronic energy Meter,240V AC,50 HZ as per IS13010 up to 40A range with 200% over load capacity complete with connections etc., complete on the existing board. Makes: CONSERVE / ELMEASURE / MECO / HPL / HAVELLS. | 1 No | 1050 |
| 1228 | ELEC-6.3.12 | Supply and fixing of single phase Electronic energy Meter,240V AC,50 HZ as per IS13010 up to 40A range with 200% over load capacity complete with connections etc., complete on the existing board. Makes: CONSERVE / ELMEASURE / MECO / HPL / HAVELLS. | 1 No | 3037 |
| 1229 | ELEC-6.3.13 | Supply and fixing of 8 Stage APFC Relay with connection etc complete. Makes: L&T / Siemens / EPCOS / Schneider / Elmeasure | 1 No | 13600 |
| 1230 | ELEC-6.3.14 | Supply and fixing of 14 Stage APFC Relay with connection etc complete. Makes: L&T / Siemens / EPCOS / Schneider / Elmeasure) | 1 No | 16900 |
| 6.4 | | | | |
| SUB STATION EQUIPMENT and TRANSFORMERS | | | | |
| 1231 | ELEC-6.4.1 | Carryout routine maintenance, servicing and testing of 630A to 1000A L.T.ACB by cleaning fixed contacts, moving contacts and arcchutes including servicing and putting the ACB in perfect working condition after detting all relay and ON, OFF mechanism etc done with only manufacturing companies | 1 No | 1998 |
| 1232 | ELEC-6.4.2 | Carryout routine maintenance and servicing of LT.Cubical pannel board having approximately 15 to 22 Nos of switches cleaning with power brower and servicing the contacts, tightning the connection of incoming and outgoing cables, and clicking the operating machanism for smooth functioning of switches and putting them in smooth working condition. | 1 No | 2500 |
| 1233 | ELEC-6.4.3 | Routine maintenance of transformer in operation covering insulation resistance oil, break down strength. Reconditioning / replacement of silicazel, cleaning of transformer and topping upto oil level if required (extra cost will be paid for oil). | 1 No | 4350 |
| 1234 | ELEC-6.4.4 | Testing of Transformer oil for dielectric breakdown strength. | 1 No | 500 |
| 1235 | ELEC-6.4.5 | Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete.- Upto 315 KVA | 1 No | 2500 |
| 1236 | ELEC-6.4.6 | Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete. -500 / 1000 KVA | 1 No | 3500 |
| 1237 | ELEC-6.4.7 | Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -Upto 315 KVA | 1 No | 750 |
| 1238 | ELEC-6.4.8 | Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -500 / 1000 KVA | 1 No | 1050 |
| 1239 | ELEC-6.4.9 | Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -Upto 315 KVA | 1 No | 300 |
| 1240 | ELEC-6.4.10 | Replacing old and unserviceable gasket of H. T bushing for the following Transformer capacity. -500 / 1000 KVA | 1 No | 550 |
| 1241 | ELEC-6.4.11 | Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. Upto 315 KVA | 1 No | 700 |
| 1242 | ELEC-6.4.12 | Replacing old and unserviceable gasket of L.T bushing for the following transformer capacity. 500 / 1000 KVA | 1 No | 1450 |
| 1243 | ELEC-6.4.13 | Replacement the H/T / L. T burntout winding coils of distribution transformer including rewinding, varnishing and vaccuming etc.,duly retaining the removed burnt winding coils by the Contractor / Firm- For copper coils | 1 Kg | 590 |
| 1244 | ELEC-6.4.14 | Replacement the H/T / L. T burntout winding coils of distribution transformer including rewinding, varnishing and vaccuming etc.,duly retaining the removed burnt winding coils by the Contractor / Firm - For aluminium coils | 1 Kg | 390 |

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| 1 | 2 | 3 | 4 | 5 |
| 1245 | ELEC-6.4.15 | Insulating HT / LT copper / aluminium coils for Transformers. | 1 No | 300 |
| 1246 | ELEC-6.4.16 | Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. - Upto 500 KVA | 1 No | 3000 |
| 1247 | ELEC-6.4.17 | Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. - 630 / 1000 KVA | 1 No | 4000 |
| 1248 | ELEC-6.4.18 | Replacing H.T bushing for distribution Transformer by new one. | 1 No | 350 |
| 1249 | ELEC-6.4.19 | Replacing H.T bushing metal parts for distribution Transformer by new one. | 1 No | 380 |
| 1250 | ELEC-6.4.20 | Replacing L.T bushing for distribution Transformer by new one for the following capacities. - Upto 315 KVA | 1 No | 165 |
| 1251 | ELEC-6.4.21 | Replacing L.T bushing for distribution Transformer by new one for the following capacities. - 500 / 1000 KVA | 1 No | 175 |
| 1252 | ELEC-6.4.22 | Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 100 KVA | 1 No | 300 |
| 1253 | ELEC-6.4.23 | Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 250 / 315 KVA | 1 No | 500 |
| 1254 | ELEC-6.4.24 | Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 500 KVA | 1 No | 1300 |
| 1255 | ELEC-6.4.25 | Replacing L.T bushing metal parts for distribution Transformer by new one for the following capacities. - 1000 KVA | 1 No | 2000 |
| 1256 | ELEC-6.4.26 | Drying the repaired transformer with appropriate heat / air of following capacity of transformers. - Upto 315 KVA | 1 No | 3000 |
| 1257 | ELEC-6.4.27 | Drying the repaired transformer with appropriate heat / air of following capacity of transformers. - 500 / 1000KVA | 1 No | 4200 |
| 1258 | ELEC-6.4.28 | Loading and Unloading of transformer from site to Workshop or vice versa. - Upto 500 KVA | 1 No | 4500 |
| 1259 | ELEC-6.4.29 | Loading and Unloading of transformer from site to Workshop or vice versa. - 630 / 1000 KVA | 1 No | 6800 |
| 1260 | ELEC-6.4.30 | Transformer oil tested as per IS-335 - 1972 (per Ltr) | 1 Ltr | 99 |
| 1261 | ELEC-6.4.31 | Filteration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at site. (per Ltr) | 1 Ltr | 8 |
| 1262 | ELEC-6.4.32 | Filteration of transformer oil as per ISS specifications filters to die electric strength above 40 K. V at workshop (per Ltr) | 1 Ltr | 5 |
| 1263 | ELEC-6.4.33 | Supply of MPP type heavy duty capacitor of operating voltage not less than 480V and losses not more than 0.35W per KVAR and inrush current withstand capability 300 times the rated current. Makes:L&T/Siemens/Schneider/Epcos. | 1 KVAR | 330 |
| | | Supply, transportation and delivery at site of 3 Phase, 50 Hz, oil immersed and naturally cooled, outdoor / Indoor type copper wound transformer designed and manufactured as per IS 2026-1977 and 1st filling of oil as per IS 335 of 1993, connected delta on primary side and Star on secondary side with additional neutral brought out on load side, 1100V / (433V / 415V) with HV tapping + or - 2.5% continuously rated for full load and temperature rise not exceeding 50°C in oil and 55°C rise by th resistance of the winding after continuous run on full load rating complete with the following standard mountings. Makes: Kirloskar / PETE / Esennar / Servomax | | |
| | | (Note:Other than these makes / brands mentioned rate may be allowed as approved by AP Electricity Board). | | |
| | | 1. Rated KVA :KVA 2. Service: Outdoor / Indoor 3. Mounting : Plinth. 4. Copper wound : Double. 5. Type : Core. 6. Cooling : ONAN 7. Temp . Rise : 55°C. 8. Vector Group: Dyn 11 | | |
| | | 9. Primary Connection : Delta 10. Primary Volts : 11000 11. Primry Frequency : 50 12.Primary Phases : 3 13. Primary wires: 3 14. Secondary connection : Star 15. Secondary Volts: 415 / 433V 16. Secondary phases : 3 17. Secondary wires: 4 | | |

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| | | 18. Taps on primary winding for primary voltage variation : +7.5% to - 7.5% in steps of 2.5%, 19. Terminal arrangement. a. HV: Bare Busings / Cable end box b. LV : Cable box 20. LV : One separate terminal for earthing. 21. Impedance(Z%) :As per IS specification | | |
| | | 22. Fittings & Accessories. a. Rating and terminal marking plate b. Earthing terminals c. Lifting Lugs d. Conservator with drain plug. e. Oil level Indicator f. Dehydrating silicagel breather g. Air release device h. Drain cum filter wall i. Explosion vent with diaphragm j. Radiators (Attachable) k. Separate neutral bushing l. Uni directional flat rollers. | | |
| 1264 | ELEC-6.4.34 | ... do..... 63 KVA Copper Wound Transformer with No load / Load losses (Watts):As per IS specification | | 165000 |
| 1265 | ELEC-6.4.35 | ... do..... 100 KVA Copper Wound Transformer with No load Losses : 260 Watts and Full Load losses (Watts): 2100 Watts | | 193500 |
| 1266 | ELEC-6.4.36 | ... do..... 160 KVA Copper Wound Transformer with No load Losses : 400 Watts and Full Load losses (Watts): 3200 Watts | | 295000 |
| 1267 | ELEC-6.4.37 | ... do..... 250 KVA Copper Wound Transformer with No load Losses : 600 Watts and Full Load losses (Watts): 4000 Watts | | 333125 |
| 1268 | ELEC-6.4.38 | ... do..... 315 KVA Copper Wound Transformer with No load Losses : 700 Watts and Full Load losses (Watts): 4600 Watts | | 384375 |
| 1269 | ELEC-6.4.39 | ... do..... 500 KVA Copper Wound Transformer with No load Losses : 1000 Watts and Full Load losses (Watts): 6500 Watts | | 536250 |
| | | Supply, transportation and delivery at site of 3 Phase, 50 Hz, Dry type, Indoor type copper wound transformer designed and manufactured as per IS 2026-1977 and IS 11171-1985, connected delta on primary side and Star on secondary side with additional neutral brought out on load side, 1100V / (433V / 415V) with HV tapping + or - 2.5% temperature rise by the resistance 90°C. complete with the following standard mountings. Makes: Kirloskar / PETE / Esennar | | |
| | | (Note: Other than these makes / brands mentioned rate may be allowed as approved by AP Electricity Board). | | |
| | | 1. Rated KVA :KVA (Cast Resin) 2. Service: Indoor 3. Mounting : Floor. 4. Copper wound : Double. 5. Type of cooling : ANAN. 6. Insulation Class : Class F 7. Temperature rise by resistance : 90°C 8. Vector Group: Dyn 11 | | |
| | | 9. Primary Connection : Delta 10. Primary Volts : 11000 11. Primary Frequency : 50 12. Primary Phases : 3 13. Primary wires: 3 14. Secondary connection : Star 15. Secondary Volts : 433V / 415V 16. Secondary phases : 3 17. Secondary wires: 4 18. Taps on primary winding for primary voltage variation : +5.0% to - 10.0% in steps of 2.5% through links. | | |
| | | 19. Terminal arrangement. a. HV: Cable end box b. LV : Cable end box 20. No load losses (Watts): As per IS specifications | | |

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| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | 21. Load losses (Watts):As per IS specifications 22. Impedance(Z%) :As per IS specifications | | |
| | | 21. Fittings & Accessories. a. Rating and terminal marking plate b. Earthing terminals c. Lifting Lugs d. Winding temperature Indicator e. Separate neutral bushing f. Uni directional flat rollers. | | |
| 1270 | ELEC-6.4.40 | ... do..... 100 KVA Copper Wound Cast Resin Transformer | | 400000 |
| 1271 | ELEC-6.4.41 | ... do..... 250 KVA Copper Wound Cast Resin Transformer | | 645000 |
| 1272 | ELEC-6.4.42 | ... do..... 315 KVA Copper Wound Cast Resin Transformer | | 735000 |
| 1273 | ELEC-6.4.43 | ... do..... 500 KVA Copper Wound Cast Resin Transformer | | 910000 |
| | | 6.5 LIGHTENING PROTECTIVE SYSTEM | | |
| 1274 | ELEC-6.5.1 | Supply and erecting approved make 11KV, 5KA metal oxide lightning arrestors suitable for 11 KV supply with necessary materials on existing cross arm. | 1 No | 1500 |
| 1275 | ELEC-6.5.2 | Supply and erecting porcelain disc type insulator suitable for 11KV line with suitable hardware on existing cross arms. | 1 No | 600 |
| 1276 | ELEC-6.5.3 | Supply and erecting porcelain pin type insulator suitable for 11KV line with suitable hardware on existing cross arms. | 1 No | 300 |
| 1277 | ELEC-6.5.4 | Supply and erecting porcelain post type insulator suitable for 11KV line with suitable hardware on existing cross arms. | 1 No | 675 |
| 1278 | ELEC-6.5.5 | Supply and erecting porcelain pin/shackle type insulator suitable for L. T. | 1 No | 90 |
| 1279 | ELEC-6.5.6 | Supply and fixing of lightning protective system conforming to IS : 2309 with all standard accessories such as metal globe finials on the top of the building with 25.4 mm dia 3.0mtrs. Length of 'B' class G.I pipe etc., complete without down conductors and earthing. | 1 No | 600 |
| 1280 | ELEC-6.5.7 | Approved made 11KV, 400A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials. | 1 No | 7000 |
| 1281 | ELEC-6.5.8 | Approved made 11KV, 200A A.B switch with all standard accessories etc., complete with cost and conveyance of all materials. | 1 No | 6100 |
| 1282 | ELEC-6.5.9 | Approved made 11KV, 200A A.B switch (tilting) with all standard accessories etc., complete with cost and conveyance of all materials. | 1 No | 5900 |
| 1283 | ELEC-6.5.10 | 11KV, H.G fuse set including all standard accessories etc., complete with cost and conveyance of all materials. | 1 No | 4000 |
| 1284 | ELEC-6.5.11 | Supply of 7/3.15 AAA C all Aluminium annealed conductor Rabbit. | 1 Km | 25013 |
| 1285 | ELEC-6.5.12 | Supply of 7/2.50 AAA C all Aluminium annealed conductor Weasel. | 1 Km | 15383 |
| 1286 | ELEC-6.5.13 | Supply of 9.1 Mtr PSCC Pole 280 Kg Working load. | 1 No | 3129 |
| 1287 | ELEC-6.5.14 | Supply of 8.0 Mtr PSCC Pole 140 Kg Working load. | 1 No | 1665 |
| 1288 | ELEC-6.5.15 | Supply of 175 x 85 mm / 150 x 75 mm RS Joist. | 1 Kg | 50 |
| 1289 | ELEC-6.5.16 | Supply of Advanced lighting protection with capturing head of 135 - 210mm diameter, 205 -580mm height and 4.60 - 4.940 kgs , and having Rod length 760mm, weight 1.795 kgs with stainless steel rod, working on the principle of (ESE) Early Streamer Emission technology, having a coverage radius of 79mts when mounted on 10 - 15 mts height of existing lattice tower giving level 1 protection and anticipation emission time of 60 micro seconds/72 micro seconds. The NIMBUS is manufactured according to standard NFC 17 102 and UNE 21186-96 including functional integrity etc Complete. Make : NIMBUS CPT-3 / NLP 2200 / FOREND(ESE-EU) / SCHIRTEC or its equivalent | 1 No | 115200 |
| 1290 | ELEC-6.5.17 | Installation and commissioning of advanced lighting protection systems which includes 1. Laying of CC Bed Rod 2. Installation of Lighting Rod 3. Laying of Down conductor Counter 4. Installation of Earth Electrodes 5. Installation of Earth Electrodes 6. Interconnection between the Electrodes 7. Termination of down conductor to earth bus etc complete. Makes: NIMBUS / FOREND / SCHIRTEC or its equivalent | 1 No | 31200 |
| 1291 | ELEC-6.5.18 | Supply of electro-Mechanical counter Make: CIRPROTEC / INDALAC / INGESCO / SCHIRTEC. | 1 Point | 16000 |
| 1292 | ELEC-6.5.19 | Providing earth electrode of low carbon steel rod of 17mm dia | 1 Point | 9600 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | coated with 250 microns thick copper 3mtr long with clamps and 2 bags of LORESCO ZEROLITE back fill compound etc complete (As per drawings enclosed) | | |
| 1293 | ELEC-6.5.20 | Supply of down conductor of 1x70sqmm single core PVC insulated unarmoured copper conductor cable of ISI mark. Makes: Polycab / Havells / RPG / RR Kabel | 1 RM | 410 |
| | 7.1 | NET WORKING | | |
| 1294 | ELEC-7.1.1 | Supply of 2 Pair, 0.5mm telephone copper wire. Makes: Finolex / Delton / Surabi / Polycab | 100 RM | 1010 |
| 1295 | ELEC-7.1.2 | Supply of 5 Pair telephone copper wire. Makes: Finolex / Delton / Surabi / Polycab / | 100 RM | 2800 |
| 1296 | ELEC-7.1.3 | Supply of LAN Cable cat - 6 UTP cable. Makes: D Link / AMP / Molex / Legrand / Krone. | 100 RM | 2580 |
| 1297 | ELEC-7.1.4 | Supply of Cat 6 RJ-45 information outlets including duel face plate . Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 340 |
| 1298 | ELEC-7.1.5 | Supply of 24 Port switches. Makes: D link / CISCO / Net Gear / HP. | 1 No | 5200 |
| 1299 | ELEC-7.1.6 | Supply of 8 Port switches. Makes: D link / CISCO / Net Gear / HP. | 1 No | 1235 |
| 1300 | ELEC-7.1.7 | Supply of 3200 access point. Makes: D link / CISCO / Net Gear / HP. | 1 No | 12500 |
| 1301 | ELEC-7.1.8 | Supply of 7 feet length moulded patch cord. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 220 |
| 1302 | ELEC-7.1.9 | Supply of 3 feet length moulded patch cord. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 200 |
| 1303 | ELEC-7.1.10 | Supply of 24 port patch panels. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 6500 |
| 1304 | ELEC-7.1.11 | Supply of 100 pair MDF loaded with 2/10 Modular. Makes: Krone or its equivalent. | 1 No | 3680 |
| 1305 | ELEC-7.1.12 | Supply of 100 Pair raiser cable for telephone Makes: Finolex / Delton / Surabi / Polycab. | 1 RM | 387 |
| 1306 | ELEC-7.1.13 | Supply of 10 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab | 1 RM | 40 |
| 1307 | ELEC-7.1.14 | Supply of 20 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab | 1 RM | 76 |
| 1308 | ELEC-7.1.15 | Supply of 50 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab. | 1 RM | 195 |
| 1309 | ELEC-7.1.16 | Supply of 10 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 650 |
| 1310 | ELEC-7.1.17 | Supply of 20 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 990 |
| 1311 | ELEC-7.1.18 | Supply of 50 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 2070 |
| 1312 | ELEC-7.1.19 | Supply of 200 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 7900 |
| 1313 | ELEC-7.1.20 | Supply of 6U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall. | 1 No | 4700 |
| 1314 | ELEC-7.1.21 | Supply of 9U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall. | 1 No | 5580 |
| 1315 | ELEC-7.1.22 | Supply of 12U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall. | 1 No | 6484 |
| 1316 | ELEC-7.1.23 | Supply of 15U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall. | 1 No | 7348 |
| 1317 | ELEC-7.1.24 | Supply of 17U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall. | 1 No | 10125 |
| 1318 | ELEC-7.1.25 | Supply of 42U floor mounting net work rack with power spike including all accessories. Makes: HCL / Vall. | 1 No | 13500 |
| 1319 | ELEC-7.1.26 | Supply of 6 Core (Indoor / Out door), Single mode armoured, Optic fibre | 1 RM | 75 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1320 | ELEC-7.1.27 | Makes: D Link / AMP / Molex / Legrand / Krone. Supply of 12 Core (Indoor / Out door), Single mode armourd, Optic fibre cable. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 RM | 105 |
| 1321 | ELEC-7.1.28 | Supply of 6 port fibre distribution unit. (FDU / LIU) loaded with couplers etc complete. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 7500 |
| 1322 | ELEC-7.1.29 | Supply of 12 port fibre distribution unit. (FDU / LIU) loaded with couplers etc complete. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 9500 |
| 1323 | ELEC-7.1.30 | Supply of Subscriber connector (SC) to SC / LC patch card of 1 Mtr length. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 2000 |
| 1324 | ELEC-7.1.31 | Supply of Pigtauls for fibre core connectivity. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 350 |
| 1325 | ELEC-7.1.32 | Supply of Cat 6 RJ-45 information outlets including Single face plate. Makes: D Link / AMP / Molex / Legrand / Krone. | 1 No | 250 |
| | | RACEWAYS AND JUNCTION BOXES | | |
| 1326 | ELEC-7.1.33 | Supply of 100mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete. | 1 RM | 460 |
| 1327 | ELEC-7.1.34 | Supply of 150mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete. | 1 RM | 605 |
| 1328 | ELEC-7.1.35 | Supply of 300mm x 38mm G I Raceways of 2mm thick with top cover and required hard ware etc complete. | 1 RM | 1035 |
| 1329 | ELEC-7.1.36 | Supply of 100mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete. | 1 RM | 435 |
| 1330 | ELEC-7.1.37 | Supply of 150mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete. | 1 RM | 560 |
| 1331 | ELEC-7.1.38 | Supply of 300mm x 25mm G I Raceways of 2mm thick with top cover and required hard ware etc complete. | 1 RM | 1010 |
| 1332 | ELEC-7.1.39 | Supply of 172mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways. | 1 No | 340 |
| 1333 | ELEC-7.1.40 | Supply of 222mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways. | 1 No | 430 |
| 1334 | ELEC-7.1.41 | Supply of 372mm x 52mm G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways. | 1 No | 830 |
| | 8.1 | MISSILLANEOUS ITEMS | | |
| 1335 | ELEC-8.1.1 | Supply of single fancy bracket with glass shade best Indian make | 1 No | 215 |
| 1336 | ELEC-8.1.2 | Supply of double fancy bracket with glass shade best Indian make | 1 No | 385 |
| 1337 | ELEC-8.1.3 | Supply of 10" ceiling fittings with glass doom best Indian make | 1 No | 193 |
| 1338 | ELEC-8.1.4 | Supply of Bulk head fitting with cast aluminium enamel painted body with water tight, clear glass with wire guard hinged with lock and key arrangements etc., complete. Makes: Bajaj / Crompton / Surya. | 1 No | 396 |
| 1339 | ELEC-8.1.5 | TW Separators / Gutties | 100 Nos | 165 |
| 1340 | ELEC-8.1.6 | Rawl Plugs | 100 Nos | 28 |
| 1341 | ELEC-8.1.7 | U Nails | 100 Nos | 44 |
| 1342 | ELEC-8.1.8 | Alluminium Link Clips | 144 Nos | 55 |
| 1343 | ELEC-8.1.9 | 50 mm G.I.Nut and Bolts. | 1 Set | 13 |
| 1344 | ELEC-8.1.10 | 63 to 100 mm G.I.Nut and Bolts. | 1 Set | 24 |
| 1345 | ELEC-8.1.11 | 50 mm 0 Gauge Nails | 1 Dozen | 44 |
| 1346 | ELEC-8.1.12 | 63 to 100 mm 0 Gauge Nails | 1 Dozen | 73 |
| 1347 | ELEC-8.1.13 | Hard Coke | 1 Kg | 9 |
| 1348 | ELEC-8.1.14 | Salt | 1 Kg | 4 |
| 1349 | ELEC-8.1.15 | PVC Cleats 2 Way | 100 Nos | 330 |
| 1350 | ELEC-8.1.16 | PVC Cleats 4 Way | 100 Nos | 440 |
| 1351 | ELEC-8.1.17 | Binding Wire | 1 Kg | 61 |
| 1352 | ELEC-8.1.18 | PVC / Cotton Insulation tape Role (10 Mtrs) | 1 No | 17 |
| 1353 | ELEC-8.1.19 | C.I.Knob | 1 No | 13 |
| 1354 | ELEC-8.1.20 | Stay tight set (Jum bracket 300 mm) | 1 Pair | 303 |
| 1355 | ELEC-8.1.21 | Stay clamp with bolts and Nuts) | 1 Set | 194 |
| 1356 | ELEC-8.1.22 | L.T.Guy insulator | 1 No | 51 |
| 1357 | ELEC-8.1.23 | 12 / 15 MS plain rod fan hook | 1 No | 22 |
| 1358 | ELEC-8.1.24 | 19 / 20 mm Steel tube fan down rod | 1 RM | 66 |
| 1359 | ELEC-8.1.25 | Consealed box PVC / MS with hook for fan | 1 No | 88 |
| 1360 | ELEC-8.1.26 | Coil Earthing | 1 No | 66 |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1361 | ELEC-8.1.27 | Cable root Indicators | 1 No | 83 |
| 1362 | ELEC-8.1.28 | 40 mm x 40 mm x 6 mm angle iron with I bolt. | 1 Set | 242 |
| 1363 | ELEC-8.1.29 | Mild Steel Items | 1 Kg | 61 |
| 1364 | ELEC-8.1.30 | Acrylic Cover of size 4" x 7" for night lamps. | 1 No | 17 |
| 1365 | ELEC-8.1.31 | TW / PVC Round Blocks | 1 No | 7 |
| 1366 | ELEC-8.1.32 | G.I.Funnel with Mesh 1/2" x 4" | 1 No | 83 |
| 1367 | ELEC-8.1.33 | Asbestos Sheet | 1 Sqm | 237 |
| 1368 | ELEC-8.1.34 | First Aid box 18" x 12" x 8" | 1 No | 1100 |
| 1369 | ELEC-8.1.35 | 11 KV/22 KV Hand gloves | 1 No | 154 |
| 1370 | ELEC-8.1.36 | Copper plate / Copper strip (Per K.G) | 1 Kg | 605 |
| 1371 | ELEC-8.1.37 | No. 8/10 SWG copper wire (per K.G) | 1 Kg | 605 |
| 1372 | ELEC-8.1.38 | PVC Insulated copper winding wire of fine quality (per K. G) | 1 Kg | 726 |
| 1373 | ELEC-8.1.39 | No. 14 SWG copper wire (per K. G) | 1 Kg | 605 |
| 1374 | ELEC-8.1.40 | Copper winding wire (per K. G) | 1 Kg | 701 |
| 1375 | ELEC-8.1.41 | G.I. Strip / Plate / Wire (per K. G) | 1 Kg | 68 |
| 1376 | ELEC-8.1.42 | Alluminum Bus bars / Strips / accessories | 1 Kg | 234 |
| 1377 | ELEC-8.1.43 | Alluminum winding wire | 1 Kg | 322 |
| 1378 | ELEC-8.1.44 | 6.2 Volt series bulb (25 Nos.) | 25 Nos | 91 |
| 1379 | ELEC-8.1.45 | 6.2 Volt series bulb with navar plate(25 Nos.) | 25 Nos | 97 |
| 1380 | ELEC-8.1.46 | Supply of Rotating machine | 1 No | 16500 |
| 1381 | ELEC-8.1.47 | Supply and fixing of 6mm thick MS Chekered plate. | 1 Kg | 67 |
| 1382 | ELEC-8.1.48 | Supply and fixing of 6mm thick Alluminium Chekered plate. | 1 Kg | 266 |
| 1383 | ELEC-8.1.49 | Copper old winding Wire scrap for 1 Kg | 1 Kg | 165 |
| 1384 | ELEC-8.1.50 | Cement | 1 Kg | 7 |
| 1385 | ELEC-8.1.51 | Hylam Sheet | 1 Sqm | 945 |
| 1386 | ELEC-8.1.52 | Earth work excavation in all soils for trench, Pole Pit and Earth Pit. | 1 Cum | 110 |
| 1387 | ELEC-8.1.53 | Cost of Sand | 1 Cum | 594 |
| 1388 | ELEC-8.1.54 | Cost of Bricks | 1000 Nos | 3819 |
| 1389 | ELEC-8.1.55 | 25mm Nominal Bore light grade G.I.Pipe | 1 RM | 226 |
| 1390 | ELEC-8.1.56 | 25mm Nominal Bore Medium grade G.I.Pipe | 1 RM | 242 |
| 1391 | ELEC-8.1.57 | 40mm Nominal Bore light grade G.I.Pipe | 1 RM | 355 |
| 1392 | ELEC-8.1.58 | 40mm Nominal Bore Medium grade G.I.Pipe | 1 RM | 381 |
| 1393 | ELEC-8.1.59 | Drilling of 16 Nos through holes of 12mm dia to G.I pipe | 1 No | 6 |
| 1394 | ELEC-8.1.60 | G.I Nuts, Bolts an Washers each set | 1 Set | 11 |
| 1395 | ELEC-8.1.61 | 18" dia 2" thick hume pipe ring | 1 No | 220 |
| 1396 | ELEC-8.1.62 | 18" dia 3" hume pipe ring | 1 No | 275 |
| 1397 | ELEC-8.1.63 | 2" thick CC cover for hume pipe ring with handle. | 1 No | 121 |
| 1398 | ELEC-8.1.64 | Supply of Saddle / Clamps suitable for fixing 2 Core 4 to 10 Sqmm Cable. | 100 Nos | 249 |
| 1399 | ELEC-8.1.65 | Supply of Saddle / Clamps suitable for fixing 4 Core 4 & 6 Sqmm Cable. | 100 Nos | 249 |
| 1400 | ELEC-8.1.66 | Supply of Saddle / Clamps suitable for fixing 4 Core 10 & 16 Sqmm Cable. | 100 Nos | 314 |
| 1401 | ELEC-8.1.67 | Supply of Saddle / Clamps suitable for fixing 3.5 Core 25 & 35 Sqmm Cable. | 100 Nos | 382 |
| 1402 | ELEC-8.1.68 | Supply of Saddle / Clamps suitable for fixing 3.5 Core 50 Sqmm Cable. | 100 Nos | 545 |
| 1403 | ELEC-8.1.69 | Supply of Saddle / Clamps suitable for fixing 3.5 Core 70 & 95 Sqmm Cable. | 100 Nos | 605 |
| 1404 | ELEC-8.1.70 | Supply of Saddle / Clamps suitable for fixing 3.5 Core 120 to 185 Sqmm Cable. | 100 Nos | 726 |
| 1405 | ELEC-8.1.71 | Supply of Saddle / Clamps suitable for fixing 3.5 Core 240 & 300 Sqmm Cable. | 100 Nos | 908 |
| 1406 | ELEC-8.1.72 | Supply of Saddle / Clamps suitable for fixing 3.5 Core 400 Sqmm Cable. | 100 Nos | 1210 |
| 1407 | ELEC-8.1.73 | Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement plastering. | 1 No | 88 |
| | | LABOUR RATES | | |
| 1408 | ELEC-8.1.74 | Skilled Electrician | 1 No | 480 |
| 1409 | ELEC-8.1.75 | Semi Skilled Electrician / Lineman | 1 No | 375 |
| 1410 | ELEC-8.1.76 | Skilled Mason | 1 No | 420 |
| 1411 | ELEC-8.1.77 | Semi Skilled Mason | 1 No | 375 |
| 1412 | ELEC-8.1.78 | Skilled Welder | 1 No | 420 |
| 1413 | ELEC-8.1.79 | Skilled Fitter | 1 No | 420 |
| 1414 | ELEC-8.1.80 | Semi Skilled Fitter / Welder | 1 No | 375 |
| 1415 | ELEC-8.1.81 | Helper (Electrical) | 1 No | 375 |
| 1416 | ELEC-8.1.82 | Skilled Carpenter | 1 No | 420 |

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| 1 | 2 | 3 | 4 | 5 |
| 1417 | ELEC-8.1.83 | Semi Skilled Carpenter | 1 No | 375 |
| 1418 | ELEC-8.1.84 | Man Mazdoor | 1 No | 320 |
| 1419 | ELEC-8.1.85 | DG Set operator/Air Compressor | 1 No | 420 |
| 1420 | ELEC-8.1.86 | 2nd Class DG Set operator/Air Com | 1 No | 375 |
| 1421 | ELEC-8.1.87 | Plumber (Licensed)/Pipe Fitter | 1 No | 480 |
| 1422 | ELEC-8.1.88 | Painter Class -2 | 1 No | 375 |
| 1423 | ELEC-8.1.89 | Diploma Engineer / Surveyor | 1 No | 600 |
| 1424 | ELEC-8.1.90 | Graduate Engineer | 1 No | 800 |
| 1425 | ELEC-8.1.91 | ITI Certificate holder | 1 No | 495 |
| 1426 | ELEC-8.1.92 | Stenographer / Computer Operator | 1 No | 535 |
| | 9.1 | WIRELESS FIRE ALARM SYSTEM | | |
| 1427 | ELEC-9.1.1 | Supply and fixing of wireless smoke detection control panel of 28 wireless zones, 2 Hard wired Zones, Tamper Alert, Pass code protected, RF jamming recognition, diagnostic feature for RF signal strength between panel and each detector, vent reporting using PSTN telephone line, dialing upto 4 telephone numbers, event reporting as per users choice, LCD screen display, two way voice interaction, battery backup stand by time up to 12 hrs. Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell | 1 No | 40062 |
| 1428 | ELEC-9.1.2 | Supply and fixing of Wireless Repeater.The wireless repeater extends the communication range of detection by relaying data between receiver and remote wireless transmitter including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell. | 1 No | 9463 |
| 1429 | ELEC-9.1.3 | Supply and fixing of Wireless Siren Strobe external wireless siren - a fully supervised power code outdoor (IP55) wireless Siren and strobe light. Designed for external installation. Wire - Free connection between control panel and siren. Convenient rapid no-mess installation. Separate fire alarm signals, 98db Piezo siren and high power strobe light. Weather resistant, IP55, 2-way communication for local and remote diagnostics. Plug-in power supply, NIMH rechargeable back-up power battery, transmits status, tamper, low- battery, supervisory and AC loss messages to the control panel, Tri- State tamper switch identifies screw manipulation removal of cover or playing from the wall including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell. | 1 No | 13249 |
| 1430 | ELEC-9.1.4 | Supply and fixing of wireless Fully Supervised Smoke Detector, Photoelectric detection technology for superior detection sensitivity , sound and transmitted for smoke, tamper and low battery, works on power code protocol, easy programming and enrolling to the control panel, long life 9 volt alkaline or lithium battery including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell. | 1 No | 6624 |
| | 9.2 | ADDRESSABLE - FIRE ALARM SYSTEM | | |
| 1431 | ELEC-9.2.1 | Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards. | 1 No | 619875 |
| 1432 | ELEC-9.2.2 | Supply, Installation, testing and commissioning of wall mounting 10 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire | 1 No | 577125 |

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| | | system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel. | | |
| 1433 | ELEC-9.2.3 | Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 8 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards. | 1 No | 448875 |
| 1434 | ELEC-9.2.4 | Supply, Installation, testing and commissioning of wall mounting 8 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 8 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 401850 |
| 1435 | ELEC-9.2.5 | Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 6 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards. | 1 No | 403156 |
| 1436 | ELEC-9.2.6 | Supply, Installation, testing and commissioning of wall mounting 6 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification | 1 No | 361594 |

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| | | and as required fixing of 6 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel. | | |
| 1437 | ELEC-9.2.7 | Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 4 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards. | 1 No | 270156 |
| 1438 | ELEC-9.2.8 | Supply, Installation, testing and commissioning of wall mounting 4 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 4 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 241062 |
| 1439 | ELEC-9.2.9 | Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 2 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards. | 1 No | 235125 |
| 1440 | ELEC-9.2.10 | Supply, Installation, testing and commissioning of wall mounting 2 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 2 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 215294 |
| 1441 | ELEC-9.2.11 | Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire alarm Control | 1 No | 207812 |

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| | | panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards. | | |
| 1442 | ELEC-9.2.12 | Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 188100 |
| 1443 | ELEC-9.2.13 | Supply, Installation, testing and commissioning of intelligent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required. Makes: Notifier / Edwards. | 1 No | 118750 |
| 1444 | ELEC-9.2.14 | Supply, Installation, testing and commissioning of intelligent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 101080 |
| 1445 | ELEC-9.2.15 | Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning. Makes: Notifier / Edwards. | 1 No | 5772 |
| 1446 | ELEC-9.2.16 | Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 5130 |
| 1447 | ELEC-9.2.17 | Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alarm including the cost of mounting accessories etc. complete. Makes: Notifier / Edwards. | 1 No | 5912 |
| 1448 | ELEC-9.2.18 | Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alarm including the cost of mounting accessories etc. complete. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 5325 |
| 1449 | ELEC-9.2.19 | Supply and installation of intelligent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories. Makes: Notifier / Edwards. | 1 No | 5728 |
| 1450 | ELEC-9.2.20 | Supply and installation of intelligent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 5130 |
| 1451 | ELEC-9.2.21 | Supply and installation of intelligent analogue addressable rate of rise cum fixed temperature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Notifier / Edwards. | 1 No | 5059 |
| 1452 | ELEC-9.2.22 | Supply and installation of intelligent analogue addressable rate of rise cum fixed temperature heat detectors including the cost of | 1 No | 4560 |

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| | | base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel. | | |
| 1453 | ELEC-9.2.23 | Supply and installation of intelligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Notifier / Edwards. | 1 No | 6175 |
| 1454 | ELEC-9.2.24 | Supply and installation of intelligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 5558 |
| 1455 | ELEC-9.2.25 | Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required. Makes: Notifier / Edwards. | 1 No | 5225 |
| 1456 | ELEC-9.2.26 | Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 4655 |
| 1457 | ELEC-9.2.27 | Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required. Makes: Notifier / Edwards. | 1 No | 5225 |
| 1458 | ELEC-9.2.28 | Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 4655 |
| 1459 | ELEC-9.2.29 | Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required. Makes: Notifier / Edwards. | 1 No | 4275 |
| 1460 | ELEC-9.2.30 | Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required. Makes: Siemens / Morley / Bosch / Ravel. | 1 No | 3800 |
| | 9.3 | CONVENTIONAL - FIRE ALARM SYSTEM | | |
| 1461 | ELEC-9.3.1 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 2 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 7500 |
| 1462 | ELEC-9.3.2 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 4 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 9000 |
| 1463 | ELEC-9.3.3 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 6 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 12500 |
| 1464 | ELEC-9.3.4 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 8 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 14500 |
| 1465 | ELEC-9.3.5 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 10 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 18500 |
| 1466 | ELEC-9.3.6 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 12 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 20500 |
| 1467 | ELEC-9.3.7 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with 14 zone, 12V SMF batteries etc., complete with all standard accessories. Makes: System Censor / Ravel / Pinnacle. | 1 No | 25000 |
| 1468 | ELEC-9.3.8 | Supply and installation of Repeater panel including the cost of | 1 No | 12500 |

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| | | mounting accessories complete as per specifications and as required. Makes: System Censor / Ravel / Pinnacle. | | |
| 1469 | ELEC-9.3.9 | Supply and installation of duel tone electronic hooter of 85dB including the cost of mounting accessories complete as per specifications and as required. | 1 No | 675 |
| 1470 | ELEC-9.3.10 | Supply and installation of dust and vermin proof manual call point to initiate audio visual alarm including the cost of mounting accessories complete as per specifications and as required. | 1 No | 650 |
| 1471 | ELEC-9.3.11 | Supply and installation of response indicators for above false ceiling detectors. | 1 No | 150 |
| 1472 | ELEC-9.3.12 | Supply and installation of plug - in type multi criterion detectors including the cost of base plate. 75mm dia M.S. outlet box for fixing of the detector base. Mounting accessories etc., complete as per specifications as required. Makes: System Censor / Ravel / Pinnacle | 1 No | 1800 |
| 1473 | ELEC-9.3.13 | Supply and installation of plug -in type photo electric smoke detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base. Mounting accessories etc complete and as per specifications and as required. Makes: System Censor / Ravel / Pinnacle. | 1 No | 1487 |
| 1474 | ELEC-9.3.14 | Supply and installation of plug -in type rate of rise cum fixed temperature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: System Censor / Ravel / Pinnacle. | 1 No | 1445 |
| | 9.4 | FIRE EXTINGUISHERS | | |
| 1475 | ELEC-9.4.1 | Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 9 kg capacity, IS:15683 : 2006, filled with ABC Mono Ammonium Phosphate base powder-90 complete with discharge hose and wall mounting bracket, 2mm Mild Steel, EPDM Rubbers, Pressure Guage, which work effectively on all class of fires (A, B, C & Electrical fires) with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes : Cease Fire / Minimax | 1 No | 9180 |
| 1476 | ELEC-9.4.2 | Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 9 kg capacity, IS:15683 : 2006, filled with ABC Mono Ammonium Phosphate base powder-90 complete with discharge hose and wall mounting bracket, 2mm Mild Steel, EPDM Rubbers, Pressure Guage, which work effectively on all class of fires (A, B, C & Electrical fires) with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes : Safex / Kenex / Bharat / Reliance | 1 No | 5900 |
| 1477 | ELEC-9.4.3 | Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 2 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 3.6 kg, empty wt.1.6 kg, Discharge time minimum 8 sec, controllable discharge mechanism, range min. 2 mts applicable on classes A,B, C & electrically started fire, A rating -2 A, B rating -21 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax | 1 No | 4509 |
| 1478 | ELEC-9.4.4 | Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 2 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 3.6 kg, empty wt.1.6 kg, Discharge time minimum 8 sec, controllable discharge mechanism, range min. 2 mts applicable on classes A,B, C & electrically started fire, A rating -2 A, B rating -21 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance | 1 No | 3750 |
| 1479 | ELEC-9.4.5 | Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 4 Kg Fire extinguisher, stored pressure type, | 1 No | 6372 |

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| | | pressure gauge, gross wt. 6.9 kg, empty wt.2.9 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 3 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax . | | |
| 1480 | ELEC-9.4.6 | Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 4 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 6.9 kg, empty wt.2.9 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 3 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. | 1 No | 4200 |
| 1481 | ELEC-9.4.7 | Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax | 1 No | 7398 |
| 1482 | ELEC-9.4.8 | Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyester powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. | 1 No | 6300 |
| 1483 | ELEC-9.4.9 | Supply and fixing of ISI mark (IS:15683) Ceiling Mounted, Mono ammonium phosphate powder 90 (MAP), 5 Kg fire extinguisher, stored pressure type, pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Discharge time : minimum 8 sec, Auto discharge mechanism on temperature rise, Applicable on class A,B,C, & Electrically - started fires, Can Construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.60mm , Helium leakage detection tested, with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax. | 1 No | 7200 |
| 1484 | ELEC-9.4.10 | Supply and fixing of ISI mark (IS:15683) Ceiling Mounted, Mono ammonium phosphate powder 90 (MAP), 5 Kg fire extinguisher, stored pressure type, pressure gauge, Gross Wt.7.7 kg, Empty Wt.2.7 kg, Discharge time : minimum 8 sec, Auto discharge mechanism on temperature rise, Applicable on class A,B,C, & Electrically - started fires, Can Construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, Internal coating of Can: Epoxy Power coating, External Coating of Can: Epoxy Polyester powder coating, sheet metal thickness:1.60mm , Helium leakage detection tested, with 5 years warranty Including | 1 No | 6000 |

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| | | transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. | | |
| 1485 | ELEC-9.4.11 | Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 2 Kg Fire extinguisher , Stored pressure type, pressure guage, gross weight 3.7Kg , empty weight 1.7 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating-21B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty Makes: Ceasefire / Minimax) | 1 No | 12830 |
| 1486 | ELEC-9.4.12 | Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 4 Kg Fire extinguisher , Stored pressure type, pressure guage, gross weight 6.9Kg , empty weight 2.9 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating-21B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty. Makes: Ceasefire / Minimax) | 1 No | 22584 |
| 1487 | ELEC-9.4.13 | Supply and fixing of Co2 type Fire Extinguishers 4.5 Kg capacity confirming to IS 2878 made from ISI marked steam less cylinder confirming to IS:7285 & CE certified and fitted with ISI marked controlled valve confirming to IS:3224, high pressure 1 Mtr discharge hose & horn complete with initial gas charged with carrying handle with wheels and wall mounting bracket. Squeeze lever discharge, used un-used indicator, Aphoxy coated paint (Red) with 93% gloss with 2 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Minimax | 1 No | 9961 |
| 1488 | ELEC-9.4.14 | Supply and fixing of Co2 type Fire Extinguishers 4.5 Kg capacity confirming to IS 2878 made from ISI marked steam less cylinder confirming to IS:7285 & CE certified and fitted with ISI marked controlled valve confirming to IS:3224, high pressure 1 Mtr discharge hose & horn complete with initial gas charged with carrying handle with wheels and wall mounting bracket. Squeeze lever discharge, used un-used indicator, Aphoxy coated paint (Red) with 93% gloss with 2 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. | 1 No | 7467 |
| 1489 | ELEC-9.4.15 | Supply and fixing of DCP powder type cylindrical shape fire extinguisher 2 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type. Makes: Minimax / Safex / Kenex / Reliance. | 1 No | 2100 |
| 1490 | ELEC-9.4.16 | Supply and fixing of DCP powder type cylindrical shape fire extinguisher 5 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type. Makes: Minimax / Safex / Kenex / Reliance | 1 No | 3100 |
| 1491 | ELEC-9.4.17 | Supply and fixing of DCP powder type cylindrical shape fire extinguisher 10 Kg with fixing hangers, hose, brackets, screws to required size etc., complete as per IS:13849 - wall mounted type. Makes: Minimax / Safex / Kenex / Reliance. | 1 No | 4100 |
| 1492 | ELEC-9.4.18 | Supply and fixing of Escape signage boards in Rigid Photo luminecent based glow in Dark rigid sheet with high intensity luminous properties with specificaiton. Makes: Cease Fire or its equivalent make Model-1ES01 | 1 No | 1300 |
| 1493 | ELEC-9.4.19 | Supply and fixing of Cease fire or its equivalent Escape gear Mild Steel box size 425mmx360mmx140mm Epoxy powder coated to protect it from Weathering , smoke hood tested to European Standard EN 403 1993-S known to reduce Carbon Monoxide, propend(acrloein), hydrogen chloride, hydrogen Cyanide and Solid and liquid toxic particles to manageable level for atleast 15 minutes shall with stand tempeartures upto 80 degrees single use only Fire Blanket size 1.2m x1.8m used to cover any vessel containing used to Extinguish a clothing fire wrap blanket around the victim. | 1 No | 15010 |
| 1494 | ELEC-9.4.20 | Supply and fixing of 4Nos of 9 Ltrs capacity round bottom sand buckets along with bucket sand, Fire buckets with round bottom | 1 Set | 1200 |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | type enamel painted, white inside & red out side and letter FIRE in black out side & Handle with mounting bracket. | | |
| 1495 | ELEC-9.4.21 | Supply and fixing of Fire bucket stand fabricated by M.S. angles to install for two numbers of buckets as per local fire officers standards. | 1 Set | 1000 |
| 1496 | ELEC-9.4.22 | Supply and installation of manually operated suppression system for all classes of fire with active substance of 3.3 kg and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 25 sec and has net weight of 4.6 kg and has a capacity to cover 60 m³ and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / AGS / SALAMANDRA. | 1 No | 65000 |
| 1497 | ELEC-9.4.23 | Supply and installation of Auto Detection and suppression system used for all classes of fire with active substance of 1.6 kg. It can be connected with smoke / Heat detector with control panel and hooter with cross zoning facility to kill the fire and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 45 sec and has net weight of 4.6 kg and has a capacity to cover 21 m³ and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / DSPA / SALAMANDRA | 1 No | 68000 |
| 1498 | ELEC-9.4.24 | Supply and installation of Auto Detection and Suppression system used for all classes of fire with active substance of 5.7 Kg. It can be connected with smoke / Heat detector with control panel and hooter with cross zoning facility to kill the fire and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 165 sec and has net weight of 10.8kg and has a capacity to cover 134 m3 and is confirmed to NFPA 2010 and other national and international certificates. Make: SEAARA / DSPA / SALAMANDRA | 1 No | 100000 |
| 1499 | ELEC-9.4.25 | Supply and installation of Auto Detection and Suppression system used for all classes of fire with active substance of 3.4 kg. It can be connected with smoke / Heat detector with control panel and hooter with cross zoning facility to kill the fire and does cooling effect with no re-ignition. The product is eco friendly with minimum life of 15 years . The discharge time should be 37 sec and has net weight of 12.5kg and has a capacity to cover 52 m³ and is confirmed to NFPA 2010 and other national and international certificates. Makes: SEAARA / AGS / SALAMANDRA | 1 No | 85000 |
| 1500 | ELEC-9.4.26 | Supply & Fixing of Water Mist 9 Ltr. Fire Extinguisher : Gross Weight – 23.9 kg., Weight of the empty firefighting system without compressed air bottle and bottle valve- 14.9 kg., Can Height – 560 MM,Diameter – 204MM, Weight of the gun- 1.9kg, Nominal charge- 9 Ltr., Recoil – approx. 10N, Extinguishing Media Flow – 0.23 L/ sec, Water Discharge Hose – 13 MM, Discharge time minimum 25 Secs, Range minimum 10 Meters, Compressed Air to Gun – 10 MM, Applicable on Class A, B, C & Electrically started Fires, ARating- 27A, BRating-233B, Compressed air bottle (volume/pressure) - 2L / 300bar, Operating pressure (dynamic) - approx 5.0 bar, Lancing distance of the extinguishing agent-in spray Approx. 7.0 m, in jet mode Approx, 12.0 m. Operation time- approx 40 sec, Extinguishing enhancement agent- Foam Additive, CE and ERDA approved, Sheet Metal Thickness – 1.5MM, 1 Year Warranty. Makes: Cease Fire or Equivalent reputed brand. | 1 No | 175000 |
| 1501 | ELEC-9.4.27 | Supply of Auto Detection and Suppression System using Dry Sprinkler Generator as per standard composition for all classes of fire, with a provision to connect to detect smoke and heat with a obt/ft of 0.5 and flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment. The Discharge time should be 21 sec. The Generator has a net weight of 1.2 kg. Active Substance of 0.3 kg . The Generator is suitable for Server Room, Electrical Storage and technical appliances, important documents area & etc. approved by NFAP2010, UL & EN. Makes: SEAARA / AGS or equivalent | | 40000 |
| 1502 | ELEC-9.4.28 | Supply of Aerosol Heat Starter Sprinkler used for Auto Detection and Suppression System for all Class of Fire. The heat Starter Sprinkler has various starter capacity, which ranges from +50c to +163c. The starter can cover up to 18 m2. The product Min Life shall be 15 years. The output power from the Starter is 3v and current 0.6A and operates at a temperature range of - 50c to +80c. The | | 8500 |

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| 1 | 2 | 3 | 4 | 5 |
| | | Starter Sprinkler is suitable for Server Room, Electrical Storage and technical appliances, Important documents area etc. Makes : SALAMANDRA / SEAARA / AGS | | |
| 1503 | ELEC-9.4.29 | Supply, installation, testing and commissioning of Addressable Control panel with monitoring system and provision of interactive TFT color Graphic Display with touch Screen Control and shall have built in feature of Mimic software which works on a Android based technology and a facility to show the layout location of the installation area and prescribed location of the devices during the fire accident. shall have minimum two level password protection. Shall have alert indication for missing device, contaminated device. The control panel shall have real-time clock (RTC) indicate time, date, month & year and along with a provision of Ethernet based circuit as if required. Makes : SALAMANDRA / SEAARA / AGS or equivalent brand | 1 No | 46000 |
| 1504 | ELEC-9.4.30 | Supply, installation, testing and commissioning of Addressable Multi sensor with integrated smoke sensing chamber and heat sensing element. Addressable smoke detector shall operate on light scatter principle. The build-up of dirt or similar contamination on the sensing chamber shall be continually monitored by control panel, when it exceeds predetermined level; the panel has to indicate that the detector is in need of servicing. The detector shall have an integral microprocessor capable of making alarm decision based on alarm level set. The Obs/ft should be 0.5 obs/ft. The detector shall blink when the detector is addressed and glow steady on alarm. The detector shall have provision to alter the sensitivity from the panel. | | 2500 |
| | | The detector shall have electronic free base. The detector and base construction shall be made of polycarbonate plastic. The detector shall be capable of reading from the control panel, i.e. health of the detector, alarm level setting. Latching the detector, isolating the detector from the control panel shall be possible. The detector shall preferably have twin LED's for 360 viewing angle. Makes : SALAMANDRA / SEAARA / AGS | | |
| 1505 | ELEC-9.4.31 | Supply, installation, testing and commissioning of addressable Loop Powered Sounder with integral beacon within horn using high intensity LED technology. The sounder beacon shall work with loop power. No separate power supply with cable shall be used. The sounder beacon shall be addressable type. It shall have electronic addressing. No DIP/DIL switches are permitted for address setting in order to avoid unauthorized setting. The construction of the sounder beacon shall be made of polycarbonate plastic. The sounder beacon sound pressure level shall be 85 dB at 10ft. Makes : SALAMANDRA / SEAARA / AGS | | 2900 |
| 1506 | ELEC-9.4.32 | Supply, installation, testing and commissioning of addressable Control Module with built-in LED. The LED shall blink when it is addressed and it shall glow steady when it is actuated and it should have principle of working with NC/NO relay circuit. It should have a cross zoning facility with a inbuilt sounder. The control module shall have electronic addressing. The control contact rating shall be a minimum of 2 amps @ 24V DC (Resistive). The control module shall operate from SLC loop power. No external power/cable shall be used. Makes : SALAMANDRA / SEAARA / AGS | | 3300 |
| | 9.5 | FIRE HYDRANT AND SPRINKLER SYSTEM | | |
| 1507 | ELEC-9.5.1 | Supplying, installation, testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following complete in all respect as required | 1 Set | 354000 |
| | | a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr. head conforming to IS 1520 | | |
| | | b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325 | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |

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|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar | | |
| 1508 | ELEC-9.5.2 | Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 390000 |
| | | a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 70 Mtr. head conforming to IS 1520 | | |
| | | b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325 | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar | | |
| 1509 | ELEC-9.5.3 | Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required. | 1 Set | 446400 |
| | | a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2850 lpm at 70 Mtr. head conforming to IS 1520 | | |
| | | b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325 | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar | | |
| 1510 | ELEC-9.5.4 | Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 468000 |
| | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr head conforming to IS 1520 | | |
| | | b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required. | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt | | |
| 1511 | ELEC-9.5.5 | Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 678000 |
| | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 70 Mtr head conforming to IS 1520 | | |

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|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick alluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required. | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt | | |
| 1512 | ELEC-9.5.6 | Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 762000 |
| | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 2850 lpm at 70 Mtr head conforming to IS 1520 | | |
| | | b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick alluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required. | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt | | |
| 1513 | ELEC-9.5.7 | Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 268750 |
| | | a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 171 Cum/hr (2850 LPM) at total head 70 M at operating speed 2900 rpm. Pump duty as per TAC | | |
| | | b) 55 KW / 75 HP, 3000 srpm, TEFC (IP55) horizontal foot mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 250 M frame for driving above pump. | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar | | |
| 1514 | ELEC-9.5.8 | Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 556250 |
| | | a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 171 Cum/hr(2850 LPM) at a total head of 70 M when operated at 1800 rpm and pump duty as per TAC | | |
| | | b) Liquid cooled, 85 BHP at 1800 rpm, diesel engine (Radiator cooled) 12 Volts starting system with standard accessories | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt | | |

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| 1 | 2 | 3 | 4 | 5 |
| 1515 | ELEC-9.5.9 | <p>Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required</p> <p>a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 137 Cum/hr (2280 LPM) at total head 70 mwc at operating speed 2900 rpm. Pump duty as per TAC</p> <p>b) 45 KW / 60 HP, 3000 srpm, TEFC (IP55) Horizontal foot mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 225 M frame</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p> | 1 Set | 218750 |
| 1516 | ELEC-9.5.10 | <p>Supplying, installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required</p> <p>a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 137 Cum/hr(2280 LPM) at a total head of 70 M when operated at 2150 rpm and pump duty as per TAC</p> <p>b) Liquid cooled, 68 BHP at 1800 rpm, Diesel engine (Radiator cooled) 12 Volts starting system with standard accessories</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt</p> | 1 Set | 443750 |
| 1517 | ELEC-9.5.11 | <p>Supplying, installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required</p> <p>a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 97 Cum/hr (1620 LPM) at total head 56 mwc at operating speed 2900 rpm. Pump duty as per TAC</p> <p>b) 30 KW / 40 HP, 3000 srpm, TEFC (IP55) horizontal foot mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 250 M frame for driving above pump.</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar</p> | 1 Set | 161250 |
| 1518 | ELEC-9.5.12 | <p>Supplying , installation , testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required</p> <p>a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 97 Cum/hr(1620 LPM) at a total head of 56 M when operated at 2150 rpm and pump duty as per TAC</p> <p>b) Liquid cooled, 50 BHP at 1800 rpm, Diesel engine (Radiator cooled) 12 Volts starting system with standard accessories</p> <p>c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.</p> <p>d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt</p> | 1 Set | 387500 |
| 1519 | ELEC-9.5.13 | Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 55000 |

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| 1 | 2 | 3 | 4 | 5 |
| | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 56 Mtr head conforming to IS 1520 b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325 c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar | | |
| 1520 | ELEC-9.5.14 | Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required | 1 Set | 77860 |
| | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 70 Mtr head conforming to IS 1520 b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325 c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar | | |
| 1521 | ELEC-9.5.15 | Supplying , installation , testing and commissioning of electric driven Terrace / Booster pump suitable for automatic operation and consisting of following : complete in all respect as required. | 1 Set | 62450 |
| | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 900 lpm at 45 Mtr head conforming to IS 1520 b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325 c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens / ABB / Kirloskar | | |
| 1522 | ELEC-9.5.16 | Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required. | 1 Set | 48400 |
| | | a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 900 lpm at 45 Mtr head conforming to IS 1520 b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 9.3 KW / 12.5HP, 2 pole, TEFC, 415 V, 3ph motor c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar | | |
| 1523 | ELEC-9.5.17 | Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required. | 1 Set | 46245 |
| | | a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 750 lpm at 35 Mtr head conforming to IS 1520 b) Three Phase High Speed Centrifugal Pump. Pump with CI | | |

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| | | Impeller and Gland Packing with 7.5 KW / 10 HP, 2 pole, TEFC, 415 V, 3ph motor | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar | | |
| 1524 | ELEC-9.5.18 | Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required. | 1 Set | 42542 |
| | | a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 450 lpm at 35 Mtr head conforming to IS 1520 | | |
| | | b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 5 KW / 7.5 HP, 2 pole, TEFC, 415 V, 3ph motor | | |
| | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |
| | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar | | |
| | | Providing , laying, testing & Commissioning of following classes MS pipes conforming to IS 3589 and 1239 including fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc., complete. Makes: Jindal / Hissar / Tata pipes | | |
| 1525 | ELEC-9.5.19 | (a) 250 mm dia | 1 RM | 3245 |
| 1526 | ELEC-9.5.20 | (b) 200 mm dia 'C' Class | 1 RM | 3210 |
| 1527 | ELEC-9.5.21 | (c) 200 mm dia 'B' Class | 1 RM | 2800 |
| 1528 | ELEC-9.5.22 | (d) 150 mm dia 'C' Class | 1 RM | 2400 |
| 1529 | ELEC-9.5.23 | (e) 150 mm dia 'B' Class | 1 RM | 1930 |
| 1530 | ELEC-9.5.24 | (f) 100 mm dia 'C' Class | 1 RM | 1515 |
| 1531 | ELEC-9.5.25 | (g) 100 mm dia 'B' Class | 1 RM | 1275 |
| 1532 | ELEC-9.5.26 | (h) 80 mm dia 'C' Class | 1 RM | 1000 |
| 1533 | ELEC-9.5.27 | (i) 80 mm dia 'B' Class | 1 RM | 895 |
| 1534 | ELEC-9.5.28 | (j) 65 mm dia 'C' Class | 1 RM | 750 |
| 1535 | ELEC-9.5.29 | (k) 65 mm dia 'B' Class | 1 RM | 675 |
| 1536 | ELEC-9.5.30 | (l) 50 mm dia 'C' Class | 1 RM | 600 |
| 1537 | ELEC-9.5.31 | (m) 50 mm dia 'B' Class | 1 RM | 530 |
| 1538 | ELEC-9.5.32 | (n) 40 mm dia | 1 RM | 512 |
| 1539 | ELEC-9.5.33 | (o) 32 mm dia 'C' Class | 1 RM | 400 |
| 1540 | ELEC-9.5.34 | (p) 32 mm dia 'B' Class | 1 RM | 330 |
| 1541 | ELEC-9.5.35 | (q) 25 mm dia 'C' Class | 1 RM | 300 |
| 1542 | ELEC-9.5.36 | (r) 25 mm dia 'B' Class | 1 RM | 270 |
| 1543 | ELEC-9.5.37 | Supplying and fixing single headed Internal / External hydrant valve with instantaneous Gun metal couplings of 63mm dia with Cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gun Metal cap and chain as required. Makes: Audco / Kirloskar / BDK / H Shankar/ Leader/ Zolotto / Intervale. | 1 No | 8125 |
| | | Supplying, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze / Gun metal seat duly ISI marked complete with Nuts, Bolts, Washers, gaskets, conforming to IS 13095 of following sizes as required. Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Intervale. | | |
| 1544 | ELEC-9.5.38 | (a) 250 mm . dia | 1 No | 12525 |
| 1545 | ELEC-9.5.39 | (b) 200 mm . dia | 1 No | 5300 |
| 1546 | ELEC-9.5.40 | (c) 150 mm dia | 1 No | 4350 |
| 1547 | ELEC-9.5.41 | (d) 100 mm dia | 1 No | 3400 |
| 1548 | ELEC-9.5.42 | (e) 80 mm dia | 1 No | 3100 |
| | | Providing, installation, testing and commissioning of dual plate non - return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc as required Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Intervale. | | |
| 1549 | ELEC-9.5.43 | (a) 200 mm dia | 1 No | 5000 |
| 1550 | ELEC-9.5.44 | (b) 150 mm dia | 1 No | 4000 |
| 1551 | ELEC-9.5.45 | (c) 100 mm dia | 1 No | 3725 |

BUILDINGS SoR 2015-16 (Civil & Electrical) – ELECTRICAL

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1552 | ELEC-9.5.46 | (d) 80 mm dia | 1 No | 3500 |
| 1553 | ELEC-9.5.47 | (e) 50 mm dia | 1 No | 1723 |
| | | Manufacture, Supply and delivery of CI Wafer Lug type Butterfly Valves conforming to IS 13095/1991 (Reaffirmed 1998) excluding transportation, CED and taxes etc., complete. Operation done with worm actuator ISI marked Rate at Ex-Factory Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Intervalue. | | |
| 1554 | ELEC-9.5.48 | (a) 250 mm . dia | 1 No | 17007 |
| 1555 | ELEC-9.5.49 | (b) 200 mm . dia | 1 No | 11849 |
| 1556 | ELEC-9.5.50 | (c) 150 mm dia | 1 No | 7631 |
| 1557 | ELEC-9.5.51 | (d) 100 mm dia | 1 No | 5088 |
| 1558 | ELEC-9.5.52 | (e) 80 mm dia | 1 No | 3812 |
| 1559 | ELEC-9.5.53 | (f) 50 mm dia | 1 No | 3067 |
| | | Providing, installation, testing and commissioning of gun metal valves of following sizes as required. Make: Newage/ Winco/ Padmini | | |
| 1560 | ELEC-9.5.54 | (a) 50 mm dia | 1 No | 1750 |
| 1561 | ELEC-9.5.55 | (b) 40 mm dia | 1 No | 1400 |
| 1562 | ELEC-9.5.56 | (c) 32 mm dia | 1 No | 1250 |
| 1563 | ELEC-9.5.57 | Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Makes: Newage/ Winco/ Padmini / Safex | 1 No | 6140 |
| 1564 | ELEC-9.5.58 | Supplying and fixing 63mm dia, 15 mtr long CP hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Makes: Newage/ Winco/ Padmini / Safex | 1 No | 5510 |
| 1565 | ELEC-9.5.59 | Supplying and fixing First -Aid Hose Reel with MS construction spray painted in Post office Red, Conforming to Is 884 with upto date amendments, complete with the following as required. | 1 No | 7500 |
| | | a) 36.6 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 Makes: Eversafe/ Reliance/ Newage/ SRI / Safex | | |
| | | b) 20mm (Nominal internal) dia gun metal globe valve and nozzle. Makes: Newage/ Winco/ Padmini / Safex. | | |
| | | c) Drum and brackets for fixing the equipments on wall. | | |
| | | d) Connections from riser with 25mm dia stop valve (gun metal) & MS pipe. | | |
| 1566 | ELEC-9.5.60 | Supplying and fixing of hose cabinet of size 750mm X 600mm x 250mm made of No 16 gauge SWG CRCA sheet with 6mm thick glazed glass door including necessary locking arrangement suitable to accommodate 2 Nos 15 mtr long Hose pipe, 1 No branch pipe, mounted on wall OR raised brick platform and duly painted with Post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant as required. | 1 No | 3250 |
| 1567 | ELEC-9.5.61 | Supply and fixing 63mm dia Gun metal branch pipe with 20mm (Nominal internal diameter) size Gun metal / SS nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required. Makes: Newage/ Winco/ Padmini / Safex | 1 No | 2530 |
| 1568 | ELEC-9.5.62 | Supply and fixing 4 way fire brigade connection of cast iron body with 4 Nos Gun metal Male instantaneous inlet couplings complete with cap and chain as required for 150mm dia MS pipe connection, conforming to IS 904 as required. | 1 No | 9100 |
| 1569 | ELEC-9.5.63 | Supply and fixing 2 way fire brigade connection of cast iron body with 2 Nos Gun metal Male instantaneous inlet couplings complete with cap and chain as required for 100mm dia MS pipe connection, conforming to IS 904 as required. | 1 No | 6900 |
| 1570 | ELEC-9.5.64 | Supply and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25mm dia Gun metal wheel valve, with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required. | 1 No | 16000 |
| 1571 | ELEC-9.5.65 | Providing fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68° C. pendent / side wall with required accessories. Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX | 1 No | 490 |

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| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1572 | ELEC-9.5.66 | Providing and fixing of Pressure Switch in the MS pipe Line including connection etc as required. Makes : Danfoss / Indfoss / Approved makes | 1 No | 2500 |
| 1573 | ELEC-9.5.67 | Providing and fixing Flow Switches in 100mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes | 1 No | 5375 |
| 1574 | ELEC-9.5.68 | Providing and fixing Flow Switches in 150 mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes | 1 No | 7500 |
| 1575 | ELEC-9.5.69 | Supply, installation, testing and commissioning of Bourden type, stainless steel dial type pressure gauge with isolation valve and pipe having calibration of 0-16 kg/cm ² . MAKES: HGURU / FIEBIG and Approved makes | 1 No | 675 |
| 1576 | ELEC-9.5.70 | Supply, installation, testing and commissioning of 25mm dia Gate valve Makes : Zoloto / Leader / Approved makes | 1 No | 1175 |
| 1577 | ELEC-9.5.71 | Supply, installation, testing and commissioning of 25mm dia Ball valve Makes : Zoloto / Leader / Approved makes | 1 No | 650 |
| 1578 | ELEC-9.5.72 | Supply, installation, testing and commissioning of 25 / 20mm dia Air Release Valve | 1 No | 1250 |
| 1579 | ELEC-9.5.73 | Providing, fixing, testing, commissioning of installation control valve of Cast iron body and brass / Bronze working parts comprising of water, motor alarm, bronze seat clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the Wet riser / Sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass , test control box, ball valves, Ms pipe of required size, flanges, orifice plate, gasket etc of size 150mm dia as required. Makes : HD / TYCO / NEWAGE | 1 No | 9500 |
| | | Supplying, installing, testing and commissioning approved make CI body Foot Valve with brass strainer with necessary flanges, nuts and bolts etc., complete on to the suction line.Rate as per the lowest quotation of Bharat Fire Safety Engineers. Makes:Normex & approved makes | | |
| 1580 | ELEC-9.5.75 | a) 200mm nominal dia | Each | 24790 |
| 1581 | ELEC-9.5.76 | b) 150mm nominal dia | Each | 13280 |
| 1582 | ELEC-9.5.77 | c) 100mm nominal dia | Each | 7450 |
| 1583 | ELEC-9.5.78 | d) 80mm nominal dia | Each | 5100 |
| 1584 | ELEC-9.5.79 | Supply and laying of 300mm dia NP2 RCC Hume pipe with Collars for Road crossings | | Rate as per Common SSR |
| | | Supplying and wrapping the anticorrosive material for buried pipes with coating of Primer and wrapping with 4 mm thick polymer corrosion resistant tape as per IS : 10221 with 15 mm overlap as per specificatios. | | |
| 1585 | ELEC-9.5.80 | a) 150mm nominal dia | 1 RM | 45 |
| 1586 | ELEC-9.5.81 | b) 100mm nominal dia | 1 RM | 40 |
| 1587 | ELEC-9.5.82 | c) 80mm nominal dia | 1 RM | 30 |
| 1588 | ELEC-9.5.83 | Supply, fabricating , installing structural steel supports for fixing all sizes of MS pipes from ceiling / wall with MS Channels, Angles, Flats, Rods, as required at site with anchor fasteners, Clamps, threaded rods, nuts, bolts,washers etc complete with painting. | 1 Kg | 60 |
| 1589 | ELEC-9.5.84 | Supply of 4 Core x 1.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells. | 1 RM | 110 |
| 1590 | ELEC-9.5.85 | Supply of 4 Core x 2.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells. | 1 RM | 150 |
| 1591 | ELEC-9.5.86 | Supply of 8 Core x 2.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells. | 1 RM | 252 |
| 1592 | ELEC-9.5.87 | Supply of 10 Core x 1.5Sqmm FRLS armoured copper cable as per IS. 7098 / Part-I / 1988 including all taxes etc., complete. Makes: Universal / CCI / Unicab / Polycab / Finolex / KEI / Havells. | 1 RM | 214 |
| | 10.1 | GENERATORS SPECIFICATION | | |
| | | Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - KVA/ - - - KW out put | | |

BUILDINGS SoR 2015-16 (Civil & Electrical) – ELECTRICAL

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | continuous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete with standard control panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below. A. Alternator : The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP23. Make: Kirloskar / Stamford / Crompton Greaves / Leroy Somer | | |
| | | B.Diesel Engine : Kirloskar / Cummins / Mahindra & Mahindra Diesel Engine start, developing suitable ----- BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - - KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc. 01. Exhaust pipe of required size and length with insulation or cladding. 02. Diesel tank suitable for 8 to 12 Hours running capacity. 03. Residential Silencer. 04. SMF Batteries with leads as per the Manufacturer standards | | |
| 1593 | ELEC-10.1.1 |do.....15KVA, 3 Phase, 415, 50Hz, 19BHP, water cooled multi cylinder diesel generator set with alternator of 15 KVA out put continuous rating at 0.8 p.f, Batteries. (SOR-2013-14-ELEC-10.1.1) | 1 No | 385875 |
| 1594 | ELEC-10.1.2 |do.....30KVA, 3 Phase, 415, 50Hz, 40 to 42 BHP, water cooled multi cylinder diesel generator set with alternator of 30KVA out put continuous rating at 0.8 p.f, Batteries. (SOR-2013-14-ELEC-10.1.2) | 1 No | 496125 |
| 1595 | ELEC-10.1.3 |do.....40KVA, 3 Phase, 415, 50Hz, 56BHP, water cooled multi cylinder diesel generator set with alternator of 40 KVA out put continuous rating at 0.8 p.f, and Batteries . | 1 No | 617400 |
| | | Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - KVA/ - - - KW out put continuous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete with standard control panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below. | | |
| | | A. Alternator : The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 with regulation of +5% from no load to full load. degree of protections shall be IP21. Makes: Kirloskar / Stamford / Crompton Greaves / Leroy Somer. | | |
| | | B.Diesel Engine : Kirloskar / Cummins / Mahindra & Mahindra Diesel Engine start, developing suitable ----- BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - - KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc. 01. Exhaust pipe of required size and length with insulation or cladding. 02. Diesel tank suitable for 8 to 12 Hours running capacity. 03. Residential Silencer. 04. SMF Batteries with leads as per the Manufacturer standards | | |
| | | C. AMF Control Panel:- AMF control panel shall be fabricated with 16SWG CRCA sheet shall be totally enclosed with dust and Vermin proof, floor mounted / wall mounted type and shall be comprising the following. 01. Voltmeter with selector switch. 02. 4 Pole MCCB incomer of -----A rating of Schenieder / L&T make for EB and DG 03. Ammeter with selector switch with CTs. 04. PF Meter and frequency Meter. 05. Indicator lamps (set Run, Load ON) with fuses. | | |

BUILDINGS SoR 2015-16 (Civil & Electrical) – ELECTRICAL

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | 06. KWH Meter of required rating. 07. Set of control fuses and current transformer. 08. Input Terminal board and output Terminal Board. 09. Battery charger with transformer rectifier unit. 10. Alternator supply air break contactor of L&T make. 11. Main supply air break contactor of L&T make. 12. Audio Visual annunciation . 13. Main supply voltage set of control relays and timers with one mode selector switch, set of push buttons. 14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core | | |
| 1596 | ELEC-10.1.4 |do..... 63.00KVA, 3 Phase, 415, 50Hz, 78 to 83BHP, water cooled multi cylinder diesel generator set with alternator of 63KVA out put continuous rating at 0.8 p.f, and Batteries . | 1 No | 771750 |
| 1597 | ELEC-10.1.5 | 125KVA, 3 Phase, 415, 50Hz, 154BHP, water cooled multi cylinder diesel generator set with alternator of 125 KVA out put continuous rating at 0.8 p.f, and Batteries . | 1 No | 1047375 |
| | | Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of - - - KVA/ - - - KW out put continuous rating directly coupled Engine and Alternator with guard and mounted on a common base plate of Robust construction and complete with standard control panel having IP-52 protection, Acoustic Enclosure as per CPCB norms , sound absorbing material, t to restrict sound level up to 75 dB up to 1 mtr distance and as per CPCB norms etc as per following specifications mentioned below. | | |
| | | A. Alternator : The alternator of the output rating shall be 3 Phase, 415V, 50Hz, Ac , 0.8 P.F. lagging at 1500 RPM. The alternator is self excited, self regulated, and shall confirm to IS: 13364 of 1992 or latest version with regulation of +5% from no load to full load. degree of protections shall be IP23. Makes: Kirloskar / Stamford / Crompton Greaves / Leroy Somer. | | |
| | | B.Diesel Engine : Kirloskar / Cummins / Catterpiller Diesel Engine start, developing suitable ----- BHP output at 1500 RPM with mechanical / electronic governing so as to enable the alternator to give - - - - KVA continuous output at 0.8 P.F. lagging at NTP conditions. The diesel engine shall be capable of providing 10% O/L for 1 Hr for every 11 Hrs of continuous running at full load. The engine with 1st filling of oil and Diesel etc. 01. Exhaust pipe of required size and length with insulation or clading. 02. Diesel tank suitable for 8 to 12 Hours running capacity. 03. Residential Silencer. 04. SMF Batteries with leads as per the Manufacturer standards | | |
| | | C. AMF Control Panel:- AMF control panel shall be fabricated with 16SWG CRCA sheet shall be totally enclosed with dust and Vermin proof, floor mounted / wall mounted type and shall be comprising the following. | | |
| | | 01. Voltmeter with selector switch. 02. 4 Pole MCCB incomer of -----A rating of Schenieder / L&T make for EB and DG . 03. Ammeter with selector switch with CTs. 04. PF Meter and frequency Meter. 05. Indicator lamps (set Run, Load ON) with fuses. 06. KWH Meter of required rating. 07. Set of control fuses and current transformer. 08. Input Terminal board and output Terminal Board. 09. Battery charger with transformer rectifier unit. 10. Alternator supply air break contactor of L&T make. 11. Main supply air break contactor of L&T make. 12. Audio Visual annunciation . 13. Main supply voltage set of control relays and timers with one mode selector switch, set of push buttons. 14. Control cable up to 15 Mtrs 2.5Sqmm 6 Core | | |
| 1598 | ELEC-10.1.6 |do.....160KVA, 3 Phase, 415, 50Hz, 200BHP, water cooled multi cylinder diesel generator set with alternator of 160 KVA out put continuous rating at 0.8 p.f, and Batteries . | 1 No | 1433250 |

BUILDINGS SoR 2015-16 (Civil & Electrical) – ELECTRICAL

| SL. NO. | ITEM CODE | DESCRIPTION OF ITEM | Unit | RATE FOR SOR 2015-16 |
|--------------------|------------------|--|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1599 | ELEC-10.1.7 |do.....250KVA, 3 Phase, 415, 50Hz, 310BHP, water cooled multi cylinder diesel generator set with alternator of 250 KVA out put continuous rating at 0.8 p.f, and Batteries | 1 No | 2205000 |
| 1600 | ELEC-10.1.8 |do..... 320KVA, 3 Phase, 415, 50Hz, 380BHP, water cooled multi cylinder diesel generator set with alternator of 45 KVA out put continuous rating at 0.8 p.f, and Batteries | 1 No | 2866500 |
| | 11.1 | UPS SYSTEMS | | |
| 1601 | ELEC-11.1.1 | Supply and installation of 800VA, 12VDC home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servamax / Top Power / Amar Raja / Samhitha. | 1 No | 9500 |
| 1602 | ELEC-11.1.2 | Supply and installation of 1400VA, 24VDC home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servamax / Top Power / Amar Raja / Samhitha / Sukhila. | 1 No | 13500 |
| 1603 | ELEC-11.1.3 | Supply and installation of 2000VA, 36VDC home UPS system pure sine wave out put, single phase input / Single phase output. Makes: Servamax / Top Power / Amar Raja / Samhitha / Sukhila. | 1 No | 19200 |
| 1604 | ELEC-11.1.4 | Supply and installation of 2.0KVA true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: CONSUL / Power one / Numeric / DB Power / Sukhila. | 1 No | 29400 |
| 1605 | ELEC-11.1.5 | Supply and installation of 3.0KVA, 72VDC true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: CONSUL / Power one / Numeric / DB Power / Sukhila. | 1 No | 39507 |
| 1606 | ELEC-11.1.6 | Supply and installation of 5.0KVA, 180/192VDC true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: CONSUL / Power one / Numeric / DB Power / Sukhila. | 1 No | 68250 |
| 1607 | ELEC-11.1.7 | Supply and installation of 7.5KVA, 180/192VDC true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: CONSUL / Power one / Numeric / DB Power / Sukhila. | 1 No | 94500 |
| 1608 | ELEC-11.1.8 | Supply and installation of 10KVA, 180/192VDC true on line UPS system IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes: CONSUL / Power one / Numeric / DB Power / Sukhila. | 1 No | 110250 |
| 1609 | ELEC-11.1.9 | Supply and providing of UPS cum battery rack up to 4 batteries | 1 No | 1500 |
| 1610 | ELEC-11.1.10 | Supply and providing of UPS cum battery rack 5 to 10 batteries | 1 No | 2875 |
| 1611 | ELEC-11.1.11 | Supply and providing of UPS cum battery rack upto 11 to 20 batteries | 1 No | 5175 |
| 1612 | ELEC-11.1.12 | Supply and fixing of 12V 26 AH SMF battery including wire leads Makes: Quanta / Racket / Exide. | 1 No | 3850 |
| 1613 | ELEC-11.1.13 | Supply and fixing of 12V 42 AH SMF battery including wire leads Makes: Quanta / Racket / Exide. | 1 No | 6446 |
| 1614 | ELEC-11.1.14 | Supply and fixing of 12V 65 AH SMF battery including wire leads Makes: Quanta / Racket / Exide. | 1 No | 7970 |
| 1615 | ELEC-11.1.15 | Supply and fixing of 12V 100 AH SMF battery including wire leads Makes: Quanta / Racket / Exide. | 1 No | 9900 |
| 1616 | ELEC-11.1.16 | Supply and fixing of 12V 120 AH SMF battery including wire leads Makes: Quanta / Racket / Exide. | 1 No | 10500 |
| 1617 | ELEC-11.1.17 | Supply and fixing of 12V, 120 AH MF battery including wire leads Makes: Amar Raja(Power Zone) or Equivalent model of Exide / Panasonic / Gotech. | 1 No | 9965 |
| 1618 | ELEC-11.1.18 | Supply and fixing of 12V, 150 AH MF battery including wire leads Makes: Amar Raja(Power Zone) or Equivalent model of Exide / Panasonic / Gotech. | 1 No | 12750 |
| 1619 | ELEC-11.1.19 | Supply and fixing of Push type button motor starter for A.C Units including internal connection and labour charges for Flush Mounting etc.,complete Makes: Legrand | 1 No | 799 |

Note: 1) All Building Materials conforming to ISI Standards, shall be used in all CIVIL, Water Supply & Sanitary Fittings and Electrical Works.

2) Not only limiting to the Brand / Manufacturer / Supplier for Materials/Products mentioned above, Material / Product conforming to the Specification and Standards of ISI from any Brand / Manufacturer, shall also be allowed in all CIVIL, Water Supply & Sanitary Fittings and Electrical Works also.

PART-IV

PUBLIC HEATH ITEMS

| PUBLIC HEALTH ITEMS | | | |
|----------------------------|--|-------------|---|
| Sl. No. | Description | Unit | SoR for 2015-16 |
| 1 | 2 | 3 | 4 |
| 1 | RATES OF LABOUR (SKILLED WORKMEN) | | |
| 1. | Caulkar | Per Day | As per Labour rates of SoR |
| 2. | Plumber 1st Class | Per Day | |
| 3. | Plumber 2nd Class | Per Day | |
| 4. | Sewer Cleaner | Per Day | |
| 5. | Well Sinker | Per Day | |
| 6. | Pipe line Fitter 1st Class | Per Day | |
| 7. | Pipe line Fitter 2nd Class | Per Day | |
| 8. | Pump Operator | Per Day | |
| 9. | Bore Mechanic | Per Day | |
| 10. | Light Vehicle Driver | Per Day | |
| | Note:The rate at relevant item in common SoR is applicable for occasional employment. | | |
| 2 | RATES FOR EARTH WORK : | | |
| a. | Earth work excavation in all types soils for pipe lines, for drainage and water supply, where the depth is more than 1.5 times the width. | | To follow the relevant items of Irrigation work items as per AP.Standard data |
| b. | Earth work excavation in all types soils for pipe lines, for drainage and water supply, where the depth is less than 1.5 times the width. | | |
| c. | Earth work excavation in all types soils for open trenches, for valve pits, inspection chambers, etc. | | |
| 3. | a. Excavation of pipe line trenches for drainage and water supply in rock requiring blasting with initial lead and lift including cost of blasting materials where the depth is more than 1.5 times the width, in places where there is no habitation. | | |
| b. | Excavation of pipe line trenches for drainage and water supply in rock requiring blasting with initial lead and lift including cost of blasting materials where the depth is less than 1.5 times the width, in places where there is no habitation. | | |
| c. | Cutting rock for pipe line trenches by hammers, nuckles and chisels including stacking where the depth is 1.5 times or more than the width. | | |
| d. | Cutting rock for pipe line trenches by hammers, nuckles and chisels including stacking where the depth is less than 1.5 times the width. | | |
| e. | Cutting rock for works other than pipe lines trenches by hammers, nuckles and chisels including stacking. | | |
| f. | For controlled blasting at restricted places | | |

| | | | |
|----------|---|-----------|-----------------------------------|
| | NOTE :- Rock should be measured in solids. In case it is not possible, stacks should be made in which case 40% for voids to be deducted from the stack measurements. | | |
| 4 | Loading or unloading materials such as C.I. Pipes, PVC Pipes, AC Pressure Pipes, DI Pipes, SW Pipes, PVC Pipes, A.C/Specials less than 300 mm dia upto 4 m in length including stacking. | | |
| a. | C.I. Pipes/D.I. Pipes and fittings | Per Tonne | To follow as per AP.Standard data |
| b. | A.C. Pipes & Specials | Per Tonne | |
| c. | Stoneware pipes & Specials | Per Tonne | |
| d. | P.V.C. Pipes and fittings | Per Tonne | |
| 5 | Loading or unloading materials such as C.I. Pipes, DI pipes, SW pipes, AC pressure pipes & fittings/ specials from 300 mm to 600 mm dia upto 4 m in length including stacking. | | |
| a. | C.I. Pipes/D.I. Pipes and fittings | Per Tonne | To follow as per AP.Standard data |
| b. | A.C. Pipes & Specials | Per Tonne | |
| c. | Stoneware pipes & Specials | Per Tonne | |
| 6 | Loading or unloading materials such as C.I. Pipes, DI pipes, PVC pipes, AC pipes less than 300 mm dia, above 4 m in length including stacking. | | |
| a. | C.I. Pipes/D.I. Pipes and fittings | Per Tonne | To follow as per AP.Standard data |
| b. | A.C. Pipes & Specials | Per Tonne | |
| c. | P.V.C. Pipes and fittings | Per Tonne | |
| 7 | Loading or unloading materials such as C.I. Pipes, DI pipes, AC pipes from 300 mm to 600 mm above 4 m in length including stacking. | | To follow as per AP.Standard data |
| a. | C.I. Pipes/D.I. Pipes and fittings | Per Tonne | |
| b. | A.C. Pipes & Specials | Per Tonne | |
| | Note:- For loading and unloading the above materials at Railway Stations, the rates may be adopted based on the competitive quotations or the hammalae charges if prevailing. | | |
| 8. a. | Lowering C.I. / D.I. Pipes (all classes) and specials (fittings) with s/s ends carefully into trenches and laying them true to alignment and gradient including all sundries but excluding cost and conveyance of pipes from source of supply (Ref to specifications. BIS No.3114/1994) | | To follow as per AP.Standard data |
| | Diameter of Pipe/Fittings in mm : | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|------------------------------------|
| 1 | 2 | 3 | 4 |
| 8. b. | Lowering C.I. / D.I. Pipes (all classes) and specials (fittings) with flanged ends carefully into trench and laying them true to alignment and gradient including all sundries but excluding cost and conveyance of pipes from source of supply. (Reference to specifications. BIS No.3114/1994) | | |
| | DIAMETER OF PIPE/Fittings in mm : | | To follow as per AP.Standard data |
| | 80mm to 750mm dia | | |
| | 800 | Per Metre | 530 |
| | 900 | Per Metre | 689 |
| | 1000 | Per Metre | 895 |
| | 1100 | Per Metre | 1103 |
| | 1200 | Per Metre | 1311 |
| 9. a. | Jointing CI /DI pipes & fittings with s/s ends including cost of pig lead, Spun yarn and sundries such as cost of fuel for melting lead, filling with water with lead up to 500m and testing to required pressure complete. (Reference to specifications. BIS No.3114/94/12288:1997) | | |
| | DIAMETER OF PIPE/Fittings in mm : | | To follow as per AP. Standard data |
| | 80mm to 800mm | | |
| | 900 | Each Joint | 15237 |
| | 1000 | Each Joint | 17023 |
| | 1100 | Each Joint | 18807 |
| | 1200 | Each Joint | 20592 |
| 10 | Jointing CI pipes, fittings and valves with flanged ends including cost of jointing materials such as bolts, rubber insertion, white lead including filling with water, with lead up to 500 meters and testing to required pressure complete. (Reference to specifications. BIS No.3114/1994.) | | |
| | DIAMETER OF PIPE/Fittings/ valve in mm : | | To follow as per AP.Standard data |
| | 80mm to 750mm dia | Each Joint | |
| | 800 | Each Joint | 6389 |
| | 900 | Each Joint | 7514 |
| | 1000 | Each Joint | 8653 |
| | 1100 | Each Joint | 9821 |
| | 1200 | Each Joint | 11030 |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|-----------------------------------|
| 1 | 2 | 3 | 4 |
| 11a | Lowering the RCC plain ended pipes carefully into the trench laying them true to alignment and gradient, jointing RCC pipes with cement joints including curing, the cost of jointing materials i.e., Cement Mortar (1:1.5), hemp yarn etc., and testing including filling with water with a water lead upto 500 metres excluding cost of rubber rings as per BIS No.783/85. per every 25 mm dia. | Per Metre | 20.00 |
| 11b | Lowering the RCC S/S pipes carefully into the ready made trenches laying them true to alignment and gradient, jointing with rubber rings and testing including filling with water with a water lead upto 500 meters <u>including cost of rubber rings</u> as per BIS No. 783/1985 per every 25 mm dia. | Per Metre | |
| | 80mm to 600mm | | To follow as per AP.Standard data |
| | 700 | | 321 |
| | 800 | | 385 |
| | 900 | | 462 |
| | 1000 | | 553 |
| 12 | Lowering and Jointing G.I. pipes and specials / fittings including excavation of trench of 0.5m width and 0.50 m depth in all soils except rock requiring blasting and refilling trenches after laying and jointing pipes and also including cost of jointing materials but excluding the cost of pipes. Reference to specifications. BIS No.783/85 | | |
| b | Laying, jointing of PVC/HDPE pipes as per BIS No.7634 part-III/75 for PVC and BIS No.7634 part-II/75 for HDPE pipes including trench excavation and refiling. | | |
| | DIA in mm | | |
| | 50 | Per Metre | 31 |
| | 40 | Per Metre | 31 |
| | 32 | Per Metre | 31 |
| | 25 | Per Metre | 28 |
| | 20 | Per Metre | 26 |
| | NOTE :- (i) The above rates are applicable for the works in District only. | | |
| | (ii) If the depth of excavation is more than 0.5 m separate rates to be worked out. | | |
| | | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|-----------------------------------|
| 1 | 2 | 3 | 4 |
| 15 | Laying and jointing of HDPE pipes by butt fusion welding as per IS:7634 – part-II/1975 as amended from time to time to the alignment and gradient and testing the pipeline to the required pressure. | | To follow as per AP.Standard data |
| | Outer Dia of pipes in MM | | |
| | 63 to 355 mm dia | | |
| | 400 | | 238 |
| | 450 | | 264 |
| 17 | Labour charges for fixing Air valves including boring the mains and threading the bore fixing nipple etc., complete. | | |
| | <u>Dia of Air valve in mm.</u> | | |
| | 25 | Each | |
| | 40 | Each | To follow as per AP.Standard data |
| | 50 | Each | 165 |
| | 65 | Each | 176 |
| | 80 | Each | 191 |
| | 100 | Each | 226 |
| | 125 | Each | 351 |
| | 150 | Each | 385 |
| 18 | Labour charges for fixing Kinetic Air Valves with isolating Sluice valves, Double Air valves/ Air Cushion valve excluding cost of jointing materials such as bolts, nuts and rubber insertions etc., complete. | | |
| | <u>Dia of Air valve in mm.</u> | | |
| | 25 | Each | 156 |
| | 40 | Each | 177 |
| | 50(Double Air valves) | Each | 188 |
| | 65 | Each | 201 |
| | 80 | Each | 220 |
| | 100 | Each | 256 |
| | 125 | Each | 400 |
| | 150 | Each | 438 |
| 22 | Cutting C.I./ DI Pipes without water in mains.Dia of pipes in mm. | | |
| | <u>Dia of Pipes in mm</u> | | |
| | 80mm to 600mm | Each cut | To follow as per AP.Standard data |
| | 680 | Each cut | 486 |
| | 700 | Each cut | 499 |
| | 750 | Each cut | 537 |
| | 800 | Each cut | 572 |
| | 900 | Each cut | 642 |
| | 1000 | Each cut | 714 |
| | 1100 | Each cut | 787 |
| | 1200 | Each cut | 858 |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| 23 | Cutting A.C. Pipes without water in mains.Dia of pipes in mm. <u>Dia of Pipes in mm</u> | Each cut | |
| | 80 | Each cut | 32 |
| | 100 | Each cut | 32 |
| | 125 | Each cut | 32 |
| | 150 | Each cut | 32 |
| | 200 | Each cut | 33 |
| | 250 | Each cut | 54 |
| | 300 | Each cut | 54 |
| | 350 | Each cut | 67 |
| | 400 | Each cut | 74 |
| | 450 | Each cut | 92 |
| | 500 | Each cut | 102 |
| | 600 | Each cut | 112 |
| | | | |
| 25 | Cutting road surface including stacking of excavated materials for pipe line trench work. | | |
| | a) Cutting open B.T. road surface (as well as asphalt concrete upto 75 mm thick) including water bound macadam | 10 Sqm | 656 |
| | b) Cutting open C.C. road surface | 1 Cum | 1822 |
| | c) Cutting open water bound macadam road including soiling | 1 Cum | 224 |
| 26 | Bailing out water.(For PH item) | | |
| | a) Bailing out water from the pipe line trenches with oil engine driven pumpsets, including hire charges, fuel charges and wages for Driver and Helper. | HP/Hour | 53 |
| | b) Bailing out water from the pipe line trenches with Electric Driven pumpset including hire charges, current charges and wages for Driver and Helper. | HP/Hour | 39 |
| | NOTE:- The rate is payable on the total H.P. hours ignoring fractions less than 0.5 HP hour and rounding off 0.5 HP hour or more to the next higher integer. | | |
| 29 | Excavation of trenches for infiltration galleries, syphon lines and connecting mains in all soils under water including all leads, lifts, shoring, strutting, bailing out water and removal of shoring and strutting materials, after completion of pipe line work. | | |
| | a) 0 to 1 m deep under water. | 10 Cum | 11671 |
| | b) 1 to 2 m deep under water. | 10 Cum | 16717 |
| | c) 2 to 5 m deep under water. | 10 Cum | 25092 |
| | d) Beyond 5 m deep under water for every additional 1 m depth over item 'c' | 10 Cum | 4794 |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|---------------------------|-----------------------------------|
| 1 | 2 | 3 | 4 |
| | NOTE:- The above rates do not include rock requiring blasting or chiselling | | |
| 30 | Laying and jointing <u>perforated RCC pipes</u> inclusive of bailing out water and jointing with cement fillets and all other incidental charges for infiltration gallery inclusive of bailing out water by pumping to keep the trench reasonably dry to facilitate the work excluding cost of perforated pipes and collars. | Per Metre | 36.00 |
| | per every 25 mm dia. | | |
| 31 | Centring and scaffolding charges for RCC members including all materials and labour charges for forming and dismantling. | | |
| a) | for R C C Elevated Service Reservoir of staging up to 15 metre below L W L. | One Sqm of Centering area | |
| | 1) Slabs for thickness (150 mm to 300 mm) | | 3260 |
| | 2) Slabs for thickness above (300 mm) | | 6518 |
| | 3) Side walls curved surfaces. | | 2463 |
| | 4) Side wall straight surfaces. | | 2192 |
| | 5) Dome. | | 2670 |
| | 6) Roof Slab. | | 1643 |
| | 7) Column braces and beams | | 1099 |
| | 8) Circular braces, ring beams & circular column. | | 1206 |
| | Note:- For RCC ELSR of staging above 15 m, the % increase in these rates shall be as follows. 15-18 m ---- 9% 18-21m --- 15% 21-24 m --- 21% 24 m -27m --27% above27m --- 30% | | |
| b) | For Ground level works :- | | |
| | 1) Slabs | 1 Sqm | To follow as per AP.Standard data |
| | 2) Beams & Lintels | 1 Cum | |
| | 3) Sun shades | 1 Sqm | |
| | 4) RCC vertical walls of plane surface | 1 Sqm of centering area | 876 |
| | 5) RCC vertical walls of circular faces | 1 Sqm of centering area | 1115 |
| | NOTE: Scaffolding for every extra height of 1 m or part thereof but not less than 0.5 m.The above centering charges are applicable for water retaining structures only. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|-------------------------------------|
| 1 | 2 | 3 | 4 |
| 32 | Lift or delift of materials : a) Lifting of cement concrete for RCC elevated reservoir. For every 1m height or part thereof over the initial lift of 3 m | 1 Cum | 134 |
| | b) Delifting the materials such as stones, concrete etc., for concrete below ground level for construction of masonry ground level reservoirs, construction of ground level reservoirs, inspection wells, test wells and sump wells etc., for every 1 m depth or part thereof beyond the initial depth of 3 meters from ground level. | 1 Cum | 41 |
| 39 (a) | Extra allowance for isolated scattered works viz., valve pits / chambers, public fountains, meter pits and manholes, delivery cistern etc., complete. | Each | 50% extra over the cost of chamber. |
| (b) | Repairs to the existing mains, interconnections, replacement of valves/specials etc., including the cutting ,jointing, bailing out of water, drying, earth work execavation etc., complete. | | 150% extra over the cost of work |
| 40 | Removal of wet silt and sludge from sullage drains with aid of baskets and vessels. | 10 Cum | 1755 |
| 43 | Rates for OHSRs/ELSRs including fixtures with a staging of 15 m, without Seismic analysis. | | SoR 2015-16 rates |
| a | 500 Kilo litres | Per litre | 20.46 |
| b | 1000 Kilo litres | Per litre | 16.91 |
| c | 1500 Kilo litres | Per litre | 15.27 |
| d | 2000 Kilo litres | Per litre | 14.27 |
| e | 2500 Kilo litres | Per litre | 13.40 |
| | 1) The above rates are arrived with base rate of Cement Rs.6400/- per MT & Steel for Rs.42000/- per MT for the month of May '2015 | | |
| | 2) All concrete components shall be designed with M30 Design Mix proportion. | | |
| | 3) For intermediate capacities proportional rates shall be adopted. | | |
| | 4) The foundations shall be designed for Annular Raft Footings. The above rates are applicable for Elevated Level Services Reservoirs / OHSRs for SBC of 15 T/Sqm. | | |
| | a) For every decrease of 2.50 T/Sqm of SBC, the rate shall be increased by 2.50% on basic rate. | | |
| | b) For every increase of 2.5 T/Sqm of SBC, the rate shall be decreased by 1.0% on basic rate. | | |
| | c) For SBC below 10T/sqm , solid raft shall be provided and for solid raft the rate shall be increased by 10% on basic rate. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | 5) For staging less than 15 m, the rate shall be decreased by Rs.0.05 paise on basic rate per litre per every metre decrease in staging. | | |
| | 6) For staging above 15 m, the rate shall be increased by Rs.0.10 paise on basic rate per litre per every metre additional staging. | | |
| | 7) The above rates shall be increased / decreased due to increase/decrease in the cost of cement by Basic rate x (Rc-6400)x0.00007 Rc = Rate of Cement (Rs per MT) at the time of preparation of estimate. | | |
| | 8) The above rates shall be increased / decreased due to increase/decrease in the cost of Steel by Basic rate x (Rs-42000) x 0.00002 Rs = Rate of Steel (Rs per MT) at the time of preparation of estimate. | | |
| | 9) Rate inclusive of three coats of epoxy paint Food Grade of best quality to inner surface of the Reservoir including roof. | | |
| | 10) The above rates are adopted for preparation of estimate for construction of ELSRs/OHSRs for finished work including 2 coats of weather proof emulsion painting for external surfaces, lettering, all required fixtures, Pipes,Pipe specials, valves of DI material, Valve chambers etc., for pipe connections including cost of pipes,specials and valves as per departmental designs and drawings. | | |
| | 11) The above rates adopted for a wind pressure upto "350 kg/sq m". For every 100 kg/sqm decrease in wind pressure, the rate shall be decreased by 5% | | |
| | 12) For tribal/Agency / Rural area, the above rates as arrived upto shall be increased by 10%. | | |
| | 13.The Basic rate is adopted by considering the design for Seismic forces for Zone-I & II only of seismic zones. | | |
| | (a) The basic rates shall be increased by $33^{1/3}\%$ for Zone-III of seismic zones. | | |
| | 14. The ELSR/OHSR shall be designed with minimum of two rows of columns for capacities above 500 KL & upto 1000KL. | | |
| | 15. The ELSR/OHSR shall be designed with minimum of three rows of columns for capacities above 1000KL. | | |
| | 16) The basic rate is inclusive of following Fixtures | | |
| | i) Pipe connections & Specials with D.I materials | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | (a) All pipe conections for Inlet, Out let, Over Flow, Scour pipes shall be provided with D/F DI material. (b) The Valves for above pipe connections also shall be of DI material of PN 16 conforming to the specification of SoR item No.28 (c) All specials such as Bends,Tees, Reducers, Duckfoot Bends,Bell mouths etc., shall be of DI material. | | |
| | II) The sizes of the verticals for ELSR/OHSR shall be: | | |
| | a) For 500 KL to 750 KI ELSRs Inlet Pipe - 300mm dia. Out let Pipe - 350mm dia Over Flow pipe - 350m dia Scour Pipe - 200mm dia | | |
| | b) For 800 KL to 1500 KI ELSRs Inlet Pipe - 400mm dia. Out let Pipe - 450mm dia Over Flow pipe - 450m dia Scour Pipe - 200mm dia | | |
| | c) For above 1500 KL to 2500 KI ELS Rs Inlet Pipe - 400mm dia. Out let Pipe - 500mm dia Over Flow pipe - 500m dia Scour Pipe - 200mm dia | | |
| | (iii) Manhole Frames & Covers | | |
| | a) All man hole Frames & Covers shall be made of CI/DI materials with min. size of 0.60mX 0.60m - For Roof & Valve Chambers. | | |
| | iv) CI/D.I Double Swan neck ventilators (min.of 150mm dia) shall be provided in top dome and slab with mosquito/fly proof nets - 4Nos. | | |
| | v) RCC Finial ventilator with fly/bird protection with GI mesh - 1 No. | | |
| | vi) RCC precast ladders of 0.60 m width - 2 Nos. | | |
| | vii) RCC dog legged stair case of 1.00 m flight width and 1.20 m landing width R.C.C hand railing of 1.0 m height – 1 No | | |
| | viii)The staircase shall be enclosed with brick masonry walls on three side and collapsible MS gate on front side up to 1 st brace level, to prevent unauthorized entry. | | |
| | ix) Construction of R.C.C valve chambers as per Standard Drawings with RCC cover slab fixed with CI/DI manhole Frame & Cover with lock and Key arrangement.The Mix shall not be less than VRCC M 20 grade with 150mm thick side walls, 150mm thick top slab, 150mm thick base slab over base course of 100mm thick (1:4:8) prop. | | |
| | x) Balcony of 1.00 m width at floor slab level / middle ring beam level by using Stainless Steel pipe of grade 304 hand railing up to 1.20 m height, with top railing of 40mm dia pipe & middle railing of 25mm dia and verticals with 40mm dia at an interval not more than of 1.00m c/c. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | xi) Water Level Indicator of reputed make – Digital type (1 No) and Conventional type (1 No) | | |
| | xii) Lightening Arrestor with all its accessories complete including earthing,with relevant IS Codes - 1 No. | | |
| | xiii) Compound wall: Construction of compound wall including ornamental M.S.Gate of size 3.0 X 2.40m is included in the basic rate of ELSRs. Length of compound wall shall be minimum of 150m. Min. height of the compound wall shall be 1.80m above plinth and thickness 230mm in brick masonry in CM(1:6).The compound wall shall be constructed including earth work excavation in all types of soils for plinth beam of 230mm X 300mm and 0.75X0.75X1.20m size for column footing portions. The footings shall be of 0.75X0.75X0.25m in VRCC M20 grade and constructed over a C.C (1:4:8)prop bed of 100mm thick. The columns shall be of 230X230 mm in size with VRCC M20 grade at 3.00m c/c spacing, having depth of 1.20m below ground level and height of 2.00m above GL. The plinth beam of size of 230X300 mm shall be constructed in VRCC M20 grade at Gound level, over a bed of CC(1:4:8)-100mmthick. 450X450mm size columns in M20 grade shall be constructed for gate pillars. All the materials shall be followed as per the standards. | | |
| | Tie beam shall be provided above the brick work with 230X200mm size, fixed with MS angulars of 25mm X 25mm X 4mm in "Y" shape to hieght of 0.60m, with embedded length of 150mm in concrete. The barbed wire fencing with 3 ply of 18 gauge shall be streched in 4 rows (2x2). Plastering shall be done with 16mm thick in two coats i.e., base coat 12mm thick in CM(1:6)prop and 4mm thick 2nd coat CM(1:4) prop on both sides of brick work. | | |
| | Snowcem paint in two coats shall be provided for both sides of wall. The M.S ornamental gate as per the approved drawings shall be provided with minimum of 3.60mts width and 2.40mts height with enamel paint. Yard lighting shall be arranged on four corners of compound wall. If the length of the wall is increased/decreased | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | <p>Note:-For every 1m increase/decrease in length of compound wall the increase/decrease in basic rates of ELSRs of the capacities from 500KL to 2500KL shall be as follows.:</p> <ul style="list-style-type: none"> i)500KL:0.086% ii)1000KL:0.047% iii)1500KL:0.034% iv)2000KL:0.026% v)2500KL:0.022% <p>For intermediate capacities, interpolated percentages shall be adopted.</p> | | |
| | xiv) Staff Quarter shall be constructed for a minimum plinth area of 40 sqm with the following specification: RCC framed structure with concrete grade not less than M20 design mix at the locations specified by the department at the time of execution with verandah, hall, bed room, kitchen and bath &W/C with floor area of 40.00sqmts excluding balconies and staircases. | | |
| | MS hollow door frame with cold rolled processed steel sheet 1.25mm thick bright CRCA conforming to IS 4351/76, Flush door shutters with solid bond wood bond board doors shall be provided. N.C.L. Windows centre fixed both sides openable shutter window 1.35 X 1.35mts outer frame section 48 x50mm shutter frame section with a size of 48 X20 mm mullion section of size 48 X 50mm fixed beading section of 12 X 12 mm shall be provided. Flooring with polished Kadapa stone shall be provided. Walls shall be provided with snowcem paint in two coats over primary coat. Electrical and water supply arrangement shall be provided as directed by dept officer. Water Storage tank made with plastic/polymer material of reputed make with necessary out let and inlet connection pipes shall provided. Septic tank for 5 users shall be provided. | | |
| 44 | Rates for OHSRs/ELSRs including fixtures with a staging of 10 m without Seismic analysis. | | SoR 2015-16 rates |
| a | Upto 10,000 Litres capacity | Per litre | 65.56 |
| b | 15,000 Litres capacity | Per litre | 45.09 |
| c | 20,000 Litres capacity | Per litre | 44.31 |
| d | 40,000 Litres capacity | Per litre | 39.22 |
| e | 60,000 Litres capacity | Per litre | 29.76 |
| f | 1,00,000 Litres capacity | Per litre | 27.47 |
| g | 2,00,000 Litres capacity | Per litre | 24.05 |
| h | 3,00,000 Litres capacity | Per litre | 22.57 |
| i | 4,00,000 Litres capacity | Per litre | 19.90 |
| j | 4,50,000 Litres capacity | Per litre | 17.25 |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | NOTE: -1) For intermediate ranges proportional rates may be adopted. All VRCC shall be in M30 grade design mix. | | |
| | 2)The above rates are applicable for Elevated Level Services Reservoirs / OHSRs with RAFT FOUNDATION and a rate of Rs.6,400/- per tonne for cement and Rs.42,000/- per tonne for steel. | | |
| | 3) For every metre of staging less than 10 m, the rate shall be reduced by Rs.0.05 paise per litre per every metre of difference in staging | | |
| | 4) For every metre of staging above 10 m , the rate shall be increase by Rs.0.10 paise per litre per every metre of additional in staging | | |
| | 5) The above rates shall be increased / decreased due to increase / decrease in the cost of cement by Basic Rate x (Rc-6400) x 0.00007 Rc = Rate of cement (Rs per Mt) at the time of preparation of estimate | | |
| | 6)The above rates shall be increased / decreased due to increase / decrease in the cost of steel by Basic Rate x (RS-42000) x 0.00002 Rs = Rate of steel (Rs per Mt) at the time of preparation of estimate. | | |
| | 7) Rate inclusive of three coats of epoxy paint to inner surface of the reservoir including roof dome. | | |
| | 8) The above rates shall be adopted for estimate purposes for construction of ELSR for a finished work including 2 coats of wheather proof emulsion painting for external surfaces, lettering, all required fixtures, pipes, bends, valves etc., for pipe connections but excluding cost of pipes,bends and valves as per departmental designs and drawings. | | |
| | 9) The above rates are applicable for wind pressures upto 350 kg / sq m .For decrease in wind presure the rate has to be decreased by 5% per every 100kg/sqm. If the ELSR / OHSR is to be designed for seismic forces also, cost shall be arrived by working out detailed quantities based on the designs. | | |
| | 10) For Tribal/Agency/ Rural area, the above rates shall be increased by 10% | | |
| | 11) If the ELSR is to be designed for seismic forces also, cost shall be arrived by working out detailed quanitites based on the design & difference to be paid extra. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | 12) If the ELSR is to be designed for seismic forces a) The above rates are applied upto Zone-II earth quake. b) for Zone-III earth quake the above rates are to be increased by 33 1/3% . | | |
| | 13) The rate is proposed duly adopting the 2014-15 rate of SSR with the Steel & Cement rates of May-2015 (which is 12%). | | |
| | 13) Fixtures include : | | |
| | a) RCC or Aluminium ladder inside 0.60 m wide. | | |
| | b) spiral staircase on the outside shall be provided upto 200KL. Above 200KL capacity dog legged staircase shall be provided with staircase flight width of 1.0mts and landing width of 1.20mts with S.S railing upto 1.0 height. | | |
| | c) Lightening arrestor, including conductor and earthing etc. | | |
| | d) RCC ventilators with copper or stainless steel fly proof mesh. | | |
| | e) D.I Manholes frame and cover 0.60x0.60 m as per IS specifications (light duty) - 2 Nos. | | |
| | f) Water level indicator of good quality with ebonite/ copper float approved pattern - 1 No. | | |
| | g) The ladder shall be with M.S ladder and Verticals with HDPE of 10kg/Sqcm shall be provided for single column OHSRs only. | | |
| | h) Minimum staging for all ELSR/OHSR shall be 10.0mts. | | |
| | i) The increase in staging shall be at 1.0mt interval. | | |
| | j)The railing provided to the gallery and stair case shall be with stainless steel of grade 304 for a height of 1.20mts. | | |
| | k). The dog legged staircase shall be enclosed with brick/CRS wall on three sides and front side with M.S collapsible gate upto 1st brace level from ground level to prevent unauthorized entry. | | |
| | l). D.I swan neck ventilators shall be provided in top dome and slab. | | |
| | m). The above rates are exclusive of all inlet, out let conenction and valves. All valves near inlet, out let and for scour of ELSRs shall be D.I valves of heavy duty confirming to the specification of SoR item No.28 | | |
| | | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| 45 | Construction of Rapid Gravity Filtration Plant including all civil, mechanical and electrical works using sand as filter media, compatible with SCADA arrangements, duly following relevant IS codes in the design of plant components with a driving head shall not be less than 2.5 metres between Filter Beds Maximum Water Level and crest of Clear Water weir including trial running for 90 days etc., including consumables complete. | | SoR 2015-16 rates |
| | 1) 2.0 Mld | Per litre | 4.85 |
| | 2) 5.0 Mld | Per litre | 4.01 |
| | 3) 10.0 Mld | Per litre | 3.53 |
| | 4) 20.0 Mld | Per litre | 3.09 |
| | 5) 30.00 mld and above | Per litre | 2.71 |
| | NOTE :- | | |
| | a) For Intermediate Capacities proportional rates may be adopted | | |
| | b) The above rates are applicable with Cement @ rate of Rs.6,400/-MT and Steel of Rs. 42,000/MT. | | |
| | c) The above rates shall be increased / decreased due to increase / decrease in the cost of cement by Basic Rate x (Rc-6400) x 0.00007 Rc = Rate of cement (Rs per Mt) at the time of preparation of estimate | | |
| | d) The above rates shall be increased / decreased due to increase / decrease in the cost of steel by Basic Rate x (RS-42000) x 0.00002 Rs = Rate of Steel (Rs per MT) at the time of preparation of estimate. | | |
| | e) For Rural areas an extra allowance of 10% shall be given on basic rate | | |
| | f) For components immersed in water Steel of Grade 304L shall be used., for other components 304 Grade steel shall be used. | | |
| | g) Lab testing equipment of reputed make and consumables for one year.The testing equipment for conducting all laboratory tests shall be installed & training shall be imparted to the Municipal staff . | | |
| | h) The rate is proposed duly adopting the 2014-15 rate of SSR with the Steel & Cement rates of May-2015 (which is 12%). | | |
| | The above rates of Filtration Plants shall include all the following components. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | A) Civil Works (All works of VRCC Shall be in M30 design mix) | | |
| | 1). Stilling Chamber and Areation cascade | | |
| | 2). Raw water channel with Stainles Steel Weir of SS 304 L Grade material and also with digital flow meters | | |
| | 3) Flash Mixer chamber with Flash mixing arrangements including SS shaft & SS Blades with gear wheel arrangements etc.,using 304 L Grade Steel. | | |
| | 4) Clariflucculator / Flocculation tanks with the components of central driven circular clarifier with scrapper & bridge arrangements made with Stainless Steel Grade 304 L tubes /angulars for durability & chemical resistant with wheel arrangements etc., | | |
| | 5) Filter house, Chemical house, Alum store, Laboratory room , Chlorination plant room, toilet etc. (All structures shall be provided RCC roof only).Chemical house & Chlorinator rooms are to be isolated and shall be as per CPHEEO manual. | | |
| | 6) Wash water tank of suitable capacity shall be constructed at minimum clearance of 2.00m, above the roof slab of Filter beds / any other structure, and the minimum residual head at the top of under drain system shall not be less than 8.0 meters | | |
| | 7) All the Doors and Windows shall be of Best Teak wood/Aluminium / UPVC make, except entrance door. The entrance door including shutter in filter house shall be with best teak wood of minmum size of 2.40 X 2.40 mts. a) Main Doors of all individual Buidings shall be made of Best Teak wood b) Other Internal Doors of the buildings shall be of Compreesed wood/ Aluminium/ UPVC materials. c) Ventilators shall be provided for each building/structure of suitable size as per NBC statndards. | | |
| | 8) a)All pipes in Plant shall be of D.I. , D/F materials. All Connecting pipes of the plant components such as from Flash mixer to Clarifloculator/ Clarifier/Flocculation tank, to Filter beds, sludge disposal pipes shall be of D.I. , D/F material. The size of sludge disposal pipe shall be minimum of 450 mm dia with D.I D/F pipe and minimum length of 100 meters. b) All the Valves in Plant shall be heavy duty and as per the specification of SoR item No.28 | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | 9) The Pipe gallery way for Clear water/ Back wash water/ pipe connections shall be sufficiently spaced for easy operation & maintenance and inspection, as per standard norms. | | |
| | 10) The bottom level of the wash water control chamber must be above G.L so as to dispose the wash water and sludge from Clariflocculator by gravity to disposal point. | | |
| | Additional specificaions | | |
| | 11) Railing for all the components (Clariflocculator, Filter House, Staircase etc.,) shall be provided with Stainless Steel of grade 304 for a height of 1.00m, with 40mm dia pipe for top horizontals, 25mm dia for middle row and 40mm dia verticals spaced at interval of not more than 1.00m c/c. | | |
| | 12) Inspection / Path ways in filter beds : Middle pathway: Minimum of 1.50m, Side pathway: Minimum of 1.20m. | | |
| | 13) Flooring in the buildings (Filter house, Chemical House, Chlorinator Room, Laboratory) shall be provided with Non-skid tiles of approved make & quality , as per standard specifications. | | |
| | 14) The basement of the Filtration plant building shall be minimum of 1.20m above the existing nearby Road top level. | | |
| | 15) Minimum head room of 2.00m shall be provided , at the alum mixing chambers in alum store for inspection & maintenance | | |
| | 16) The minimum width of entrance hall for the Filter House shall be 4.50m , and Laboratory of min size .of 3.30 X 4.50m . | | |
| | 17) a)High efficient Air Blowers shall be installed to the design requirement with low noise pollution , environmental pollution as per PCB guide lines & Testing of blowers as per I.S Standards at site. b) the Piping from Blower to Filter Beds shall be GI and submerged pipe in water shall be HDPE. | | |
| | 18) UPVC pipes shall be provided for under drain system.Filter pipe manifolds shall be assembled with HDPE pipes. | | |
| | 19) Alum storage capacity shall be designed for minimum period of 90 days. Consumables shall be provided for 2115 Running Hours of WTP. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | <p>20) Chlorinator : Vacuum type chlorinator shall be provided with following specifications:</p> <ul style="list-style-type: none"> a) Vacuum operated solution feeding type Vacuum Regulator, Rotometer, Rate setting Valve, built-in NRV, Gas Overflow out let by manifolding to mount the system with the unit. b) The unit shall consists of Ejector with necessary accessories such as Check Valve, Drain Valve and Vacum relief Valves - for control of chlorinator dosage. c) The Accessories and manifolds shall be chlorine resistant and made of carbon steel seam less pipes, copper tube with brass fittings of suitable size & dimensions, with diaphram sealed chlorine pressure gauge arrangements | | |
| | <p>d) Water Booster Pump of pumping capacity ranging from 2 cum/hr to 12 cum/hr, with Head ranging from 16 to 35 me) The water & solution carrying pipes shall be made of UPVC material of suitable size incl.all specials such as Tee's , Bends, couplings & NRVs and also Pressure Gauges of suitable range.f) Chlorine Gas Leak detector with alarm indicator.The installation includes all necessary accssories, civil and mechanical works,manifold header installations, injector fixing, connection with UPVC pipes, solution pipings, fixing of motors as per standard speicifications and commissioning of Cholirnation Plant to the required demand, with a deffect liability period of 1 year.The cholrinator of may be of any reupted make or any make of Metito/Toshocow-Jesco Siemens Industrial Devices.g) Life breathing apparatus.h) Chlorine escape BA set</p> | | |
| | i) 2 to 10 MLD Plants - 1Kg/hr Chlorinator- For Post Chlorination | | |
| | ii) 10 MLD to 20 MLD Plants - 2 Kg/hr Chlorinator - For Post Chlorination. | | |
| | iii) 20 MLD to 50 MLD Plants - 5 Kg/hr Chlorinator - For Post Chlorination. | | |
| | B) Mechanical Equipment | | |
| | 1) Alum dosing equipment with SS 304 material made stirrers & paddles for chemical resistance. (Alum tanks must be bound with corrosion resistant material (HDPE Lining, Bitumen Coating, tiles etc) | | |
| | 2) Flash mixer equipment with SS 304 material made stirrers & paddles for chemical resistance. | | |
| | 3) Filtration plant euipment instrumentation and piping. | | |
| | 4) Clariflocculation equipment (with stainless steel blades) with rotating bridge arrangement etc., | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | 5) Pneumatic tyre wheel shall be provided for the bridge clariflocculator. | | |
| | 6) Wash water tank fittings and pumpsets with 100% stand by. | | |
| | 7) Air blower with motor of 100% stand by and pipe connections made with of SS pipes confirming to SS 304 Grade, in filter bed region. | | |
| | 8) Chlorination equipment and pipe connections with chlorinator of 100% standby. | | |
| | 9) Spares & Tools for 2 years. | | |
| | 10) Gaseous Chlorination with cylinders has to be provided with protection measures. | | |
| | C) Electrical Equipment | | |
| | 1) Necessary power supply wiring to motors and switches bus bar connections as per IE Rules | | |
| | 2) Internal wiring and illumination and fittings and fixtures for internal and external lighting exhaust fans, ceiling fans etc. | | |
| | 3) Erecting mechanical and electrical equipment, trial run for 90 days at 23.50 hours per day testing the treated water as per CPHEEO standards and maintenance of records and imparting training to staff. | | |
| | 4) Supply of 6 - Sets of completion plans and maintenance manual and brochures. | | |
| | 5) All cables shall be of copper material, Cable ducts shall be covered with MS / Aluminum chequered plate. | | |
| | 6) Min LUX levels inside the treatment plant shall be maintained. | | |
| | 7) Yard lighting shall be provided as per norms. | | |
| | D) Equipment for Flow measurements | | |
| | 1) Equipment for measuring Conductivity, Turbidity, Ph value, Residual Chlorine with recording & data storage facility (Computer based) & Alarm by SMS or other methods. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | 2) Off - Site Supervisory and Data Acquisition (OSSADA) system for Raw water & Clear water flows by installing Digital Flow meters to measure the flows at Raw water Channel and at each filter bed individually and combined for measuring the quantities of water treated with a facility to record and store the readings & also to send messages to the assigned designatories about the variations/ deficiencies in the flow including alerts for back wash requirements of filter beds, and recovery of data for the past 360 days. All the Digital Flow Meters & Pressure Gauges shall be provided of standard approved make. The equipment shall have the following specifications. | | |
| | Hardware: | | |
| | i) Wall mounted Sensor House for measuring Raw water & Clear water flow from Filter bed out lets with accessories. | | |
| | ii) Electrode Type: General type, Scraper type or replaceable type Electorde made with material of SS external Ultra Touch Sensors as per requirement. | | |
| | iii) Customised Application Requirement : Sensors with Interface logic control board with serial interfaces, including accessories such as Add-on port, external DC Power Socket, On - sensor Board Buffer, Timer, RS485 Communication, Analog to Digital Sensing Sensor Circuit, 32 Sensors Sensing Tags, Interval Power Supply System , LCD 16c/2L, Filter Bed Working Status Indication LED, Filter Bed Wash Indication Button and memory of Data Storage for 30Days , status of Filter Bed Level indicator, Rating, Reading on LCB Display, Menu Driven Data for sending to Onsite Big Display, operated with Battery Power of any reputed make or any equalent make. | | |
| | iv) Customised Application Requirement: Power Sensors Interface logic control board with support 8 Power Sensing tags, Central System Interfacing Communication, On - board analog to Digit Convert Integrate Circuit of any reputed make or any equalent make. | | |
| | v) Customised Application Requirement: Centralized System with two serial interfaces, 3 Nos of Add-On ports, One external DC Power Socket, On - Board Buffer, On - Board Timer, On - Board RS485 Communication, On - Board RS 232 Communication, On - Board GPRS/GSM Module, On - Board Voice Chip, On - Board Power Sensing Module, LCD 16c/2L, Filter Bed Wash Precaution Indication with Stop Button, Memory of Data Storage for 30 Days, Total Bed Rating, Reading display on LCD Display, Menu Driven, Menu Navigate Keypad, sendind data to the Web Server, Communication with GPRS , operated with Battery Power of any reputed make or any equalent make. | | |

| Sl. No. | Description | Unit | SoR for 2015-16 |
|--------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 |
| | Software: | | |
| | The software shall be designed with Web Domain with Data Base Server and Web Name as per the directions of the Departmental Authorities | | |
| | The application of Software for Web design & Desktop shall meet the following requirements: | | |
| | i) Onsite Display: Letters with size of 1.5' seven Segment LED Display with Interface for each Filter Bed, for Onsite Display, by displaying the Bed Levels, Ratings, Readings in 3 Columns , for each bed of the plant in successive rows and cumulative results at the bottom of the screen. | | |
| | ii) Off Site Display: Letters with size of 1.5' seven Segment LED Display with Interface GPRS/GSM Modules Offsite Display, with Display of Bed Total Rating, Total Cumulative Reading as specified on On-site Display Features. | | |
| | The system shall have also the features of Onsite Bed Wash Voice Precautions for Bed Levels, Readings, Ratings, Bed Capacity Readings and Ratings and Bed Low Level Triggering, before & after Bed wash. | | |
| | The software shall also have the features of sending messages to the mobiles of the Departmental designatories indicating Bed Low Levels,Power Supply timings, Bed Wash timings and its status, Power Supply timings and its status Grid View Table, Motor Working time and its status Grid View Table, all trigger events and schedule information and including all Snap View Reports, all Daily, Monthly, Yearly Reports, all Power Working Reports, all Power Events Information etc., | | |

1. S o R FOR R.C.C. PLAIN ENDED PIPES

| Sl. No. | Description | | | |
|------------|---|-------------|------------------------|---------------------|
| | 2 | | | |
| 1 | Manufacture, Supply and Delivery of R.C.C. Plain ended pipes conforming to B.I.S 458/2003 , Ex-factory, Excluding transportation, taxes & duties | | | |
| | Size | Unit | SoR For 2015-16 | |
| | | | NP - 2 Class | NP - 3 Class |
| | 80 mm dia | Metre | 146 | |
| | 100 mm dia | Metre | 169 | |
| | 150 mm dia | Metre | 201 | |
| | 200 mm dia | Metre | 239 | |
| | 225 mm dia | Metre | 260 | |
| | 250 mm dia | Metre | 277 | |
| | 300 mm dia | Metre | 397 | 906 |
| | 350 mm dia | Metre | 495 | 1117 |
| | 400 mm dia | Metre | 571 | 1233 |
| | 450 mm dia | Metre | 699 | 1412 |
| | 500 mm dia | Metre | 767 | 1535 |
| | 600 mm dia | Metre | 1135 | 2309 |
| | 700 mm dia | Metre | 1453 | 2870 |
| | 800 mm dia | Metre | 1788 | 3792 |
| | 900 mm dia | Metre | 2251 | 4764 |
| | 1000 mm dia | Metre | 2738 | 5917 |
| | 1100 mm dia | Metre | 3246 | 6982 |
| | 1200 mm dia | Metre | 3867 | 8225 |
| | 1400 mm dia | Metre | 5270 | 10626 |
| | 1600 mm dia | Metre | 6104 | 13794 |
| | 1800 mm dia | Metre | 8005 | 18293 |
| | | | | 24713 |

Note : All the prices are ex-works. Excise duty, CST/VAT extra as applicable at the time of supply.

The above rates of RCC Plain ended pipes are based on the following raw materials cost.

Cement. Rs.6,400/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.45,000/- per MT. (including all taxes and freight).

The revised cost of RCC pipes due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost =Cost as per the above table +R1+R2

R1= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of M.S. Rods = $(S_2 - S_1)/1000 \times W_s$.

R2= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of Cement = $(C_2 - C_1)/1000 \times W_c$.

S_1 = Rs. 45,000/- , S_2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C_1 = Rs. 6,400/- C_2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

W_s =Weight of MS Rods required (Kg.) per metre of pipe as per IS:458/2003.

W_c = Weight of Cement required (Kg.) per metre of pipe.

2. S o R FOR R.C.C. COLLARS

| Sl.No. | Description | | | |
|--------|--|------|-----------------|--------------|
| | 1 | 2 | | |
| 1 | Manufacture, Supply and Delivery of R.C.C. Collars conforming to B.I.S. 458/2003 (rate per each collar) suitable for R.C.C. Plain ended pipes including transportation but excluding taxes & duties | | | |
| | Size | Unit | SoR For 2015-16 | |
| | | | NP - 2 Class | NP - 3 Class |
| | 80 mm dia | Each | 45 | |
| | 100 mm dia | Each | 46 | |
| | 150 mm dia | Each | 48 | |
| | 200 mm dia | Each | 65 | |
| | 225 mm dia | Each | 68 | |
| | 250 mm dia | Each | 75 | |
| | 300 mm dia | Each | 99 | 142 |
| | 350 mm dia | Each | 122 | 176 |
| | 400 mm dia | Each | 135 | 201 |
| | 450 mm dia | Each | 212 | 267 |
| | 500 mm dia | Each | 241 | 318 |
| | 600 mm dia | Each | 327 | 417 |
| | 700 mm dia | Each | 425 | 561 |
| | 800 mm dia | Each | 600 | 714 |
| | 900 mm dia | Each | 717 | 832 |
| | 1000 mm dia | Each | 837 | 1040 |
| | 1100 mm dia | Each | 1025 | 1317 |
| | 1200 mm dia | Each | 1246 | 1649 |
| | 1400 mm dia | Each | 1607 | 2088 |
| | 1600 mm dia | Each | 2052 | 2677 |
| | 1800 mm dia | Each | 2125 | 3450 |

Note: Excise duty, CST/VAT extra as applicable at the time of supply.

The above rates of RCC Collars suitable to plain ended pipes are based on the following raw materials cost.

Cement. Rs.6,400/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.45,000/- per MT. (including all taxes and freight).

The revised cost of RCC collars due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost =Cost as per the above table +R1+R2

R1= Variation (increase / decrease) in cost (Rs. per each) due to change in the cost of M.S. Rods = $(S_2 - S_1)/1000 \times W_s$. R2= Variation (increase / decrease) in cost (Rs. per each)due to change in the cost of Cement = $(C_2 - C_1)/1000 \times W_c$.

S_1 = Rs. 45,000/- , S_2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C_1 = Rs.6, 400/-, C_2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

W_s =Weight of MS Rods required (Kg.) per each collar.

W_c = Weight of Cement required (Kg.) per each collar.

3. SoR FOR R.C.C. S/S PIPES (Non - Pressure)

| Sl. No. | Description | | | |
|--------------------|--|-------------|------------------------|---------------------|
| 1 | 2 | | | |
| 1 | Manufacture, Supply and Delivery of R.C.C. Socket and Spigot pipes conforming to B.I.S. 458/2003 at ex-factory (rate per meter of effective length) Excluding transportation, taxes & duties. | | | |
| | Size | Unit | SoR For 2015-16 | |
| | | | NP - 2 Class | NP - 3 Class |
| | 80 mm dia | Metre | 182 | |
| | 100 mm dia | Metre | 206 | |
| | 150 mm dia | Metre | 240 | |
| | 200 mm dia | Metre | 293 | |
| | 225 mm dia | Metre | 319 | |
| | 250 mm dia | Metre | 341 | |
| | 300 mm dia | Metre | 479 | 1154 |
| | 350 mm dia | Metre | 615 | 1471 |
| | 400 mm dia | Metre | 679 | 1630 |
| | 450 mm dia | Metre | 845 | 1799 |
| | 500 mm dia | Metre | 974 | 2057 |
| | 600 mm dia | Metre | 1370 | 2885 |
| | 700 mm dia | Metre | 1777 | 3683 |
| | 800 mm dia | Metre | 2279 | 4875 |
| | 900 mm dia | Metre | 2880 | 6128 |
| | 1000 mm dia | Metre | 3498 | 6927 |
| | 1100 mm dia | Metre | 4102 | 8176 |
| | 1200 mm dia | Metre | 4649 | 9649 |
| | 1400 mm dia | Metre | 6619 | 12778 |
| | 1600 mm dia | Metre | 8187 | 16592 |
| | 1800 mm dia | Metre | 9200 | 21999 |
| | | | | 23367 |

Note: All the prices are ex-works, Excise duty, CST/VAT extra as applicable at the time of supply. The above rates of RCC S/S Non-Pressure pipes are based on the following raw materials cost.

Cement. Rs.6,400/- per MT (including all taxes and freight).

Steel (M.S. Rods) – Rs45,000/- per MT. (including all taxes and freight).

The revised cost of RCC pipes due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost = Cost as per the above table +R1+R2

R1= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of M.S. Rods =(S2-S1)/1000 X Ws.

R2= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of Cement =(C2-C1)/1000 X Wc.

S1 = Rs. 45,000/- , S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 6,400/- , C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

Ws=Weight of MS Rods required (Kg.) per metre of pipe as per IS:458/2003.

Wc= Weight of Cement required (Kg.) per metre of pipe.

4. S o R FOR R.C.C. S/S PIPES (Pressure)

| Sl.No. | Description | | | | |
|--------|---|-------|-----------------|-------------|-------------|
| | 1 | 2 | | | |
| 1 | Manufacture, Supply and Delivery of R.C.C. Socket and Spigot pipes conforming to B.I.S. 458/2003 Ex-factory (rate per meter of effective length) Excluding transportation, taxes & duties. | | | | |
| | Size | Unit | SoR For 2015-16 | | |
| | | | P1 - Class | P2 - Class | P3 - Class |
| | 80 mm dia | Metre | 238 | 268 | 305 |
| | 100 mm dia | Metre | 268 | 321 | 371 |
| | 150 mm dia | Metre | 370 | 479 | 591 |
| | 200 mm dia | Metre | 430 | 617 | 815 |
| | 225 mm dia | Metre | 484 | 702 | 909 |
| | 250 mm dia | Metre | 530 | 751 | 955 |
| | 300 mm dia | Metre | 715 | 1082 | 1350 |
| | 350 mm dia | Metre | 891 | 1503 | 1946 |
| | 400 mm dia | Metre | 1058 | 1989 | 2569 |
| | 450 mm dia | Metre | 1133 | 2357 | 3167 |
| | 500 mm dia | Metre | 1504 | 2566 | 3605 |
| | 600 mm dia | Metre | 2059 | 3825 | 5013 |
| | 700 mm dia | Metre | 2742 | 5049 | 6377 |
| | 800 mm dia | Metre | 3434 | 6018 | 7724 |
| | 900 mm dia | Metre | 4145 | 7091 | |
| | 1000 mm dia | Metre | 5225 | 8152 | |
| | 1100 mm dia | Metre | 6270 | | |
| | 1200 mm dia | Metre | 7358 | | |

Note: All the prices are ex-works, Excise duty, CST/VAT extra as applicable at the time of supply.

The above rates of RCC S/S Pressure pipes are based on the following raw materials cost.

Cement. Rs.6,400/- per MT (including all taxes and freight).

Steel (M.S. Rods) - Rs.45,000/- per MT. (including all taxes and freight).

The revised cost of RCC pipes due to increase / decrease in the cost of raw materials shall be as per the following formula.

Revised Cost =Cost as per the above table +R1+R2

R1= Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of M.S. Rods =(S2-S1)/1000 X Ws.

R2= Variation (increase / decrease) in cost (Rs. per metre) due to change in the cost of Cement =(C2-C1)/1000 X Wc.

S1 = Rs. 45,000/-

S2 = Cost of M S Rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 6,4000/-, C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

Ws=Weight of MS Rods required (Kg) per metre of pipe as per IS: 458 / 2003.

Wc= Weight of Cement required (Kg) per metre of pipe.

5. S o R FOR RUBBER RINGS TO SUIT R.C.C. S/S PIPES

| Sl. No. | Description | | | | |
|----------------|---|-------------|------------------------|---------------------|---------------------|
| 1 | 2 | | | | |
| 1 | Manufacture, Supply and Delivery of Rubber rings to suit R.C.C. Socket and Spigot pipes conforming to B.I.S 5382/ 1985 (rate per each rubber ring) including transportation but excluding taxes & duties. the Rubber Rings shall be tested at the factory premises confirming to B.I.S. 5382/1985. | | | | |
| | Size | Unit | SoR For 2015-16 | | |
| | | | NP - 2 Class | NP - 3 Class | NP - 4 Class |
| | 80 mm dia | Each | 29 | | |
| | 100 mm dia | Each | 35 | | |
| | 150 mm dia | Each | 63 | | |
| | 200 mm dia | Each | 74 | | |
| | 225 mm dia | Each | 81 | | |
| | 250 mm dia | Each | 91 | | |
| | 300 mm dia | Each | 111 | 143 | 143 |
| | 350 mm dia | Each | 129 | 171 | 171 |
| | 400 mm dia | Each | 142 | 194 | 194 |
| | 450 mm dia | Each | 161 | 220 | 220 |
| | 500 mm dia | Each | 210 | 252 | 252 |
| | 600 mm dia | Each | 276 | 366 | 366 |
| | 700 mm dia | Each | 375 | 438 | 438 |
| | 800 mm dia | Each | 476 | 531 | 531 |
| | 900 mm dia | Each | 596 | 718 | 718 |
| | 1000 mm dia | Each | 697 | 867 | 867 |
| | 1100 mm dia | Each | 838 | 1110 | 1110 |
| | 1200 mm dia | Each | 1342 | 1395 | 1395 |
| | 1400 mm dia | Each | 1476 | 1535 | 1535 |
| | 1600 mm dia | Each | 1838 | 1873 | 1873 |
| | 1800 mm dia | Each | 2289 | 2393 | 2393 |
| 2 | Manufacture, Supply and Delivery of Rubber rings to suit R.C.C. Socket and Spigot pipes conforming to B.I.S 5382/ 1985 (rate per each rubber ring) including transportation but excluding taxes & duties. the Rubber Rings shall be tested at the factory premises confirming to B.I.S. 5382/1985. | | | | |
| | Size | | | | |
| | 80 mm dia | Each | 29 | 29 | 29 |
| | 100 mm dia | Each | 35 | 37 | 37 |
| | 150 mm dia | Each | 63 | 63 | 63 |
| | 200 mm dia | Each | 74 | 74 | 74 |
| | 225 mm dia | Each | 81 | 83 | 85 |
| | 250 mm dia | Each | 91 | 94 | 96 |
| | 300 mm dia | Each | 111 | 118 | 122 |
| | 350 mm dia | Each | 129 | 147 | 161 |
| | 400 mm dia | Each | 142 | 194 | 198 |

| Size | | | | | |
|-------------|------|-------------|------------|------------|--|
| 450 mm dia | Each | 161 | 222 | 228 | |
| 500 mm dia | Each | 210 | 252 | 263 | |
| 600 mm dia | Each | 276 | 311 | 317 | |
| 700 mm dia | Each | 375 | 411 | 438 | |
| 800 mm dia | Each | 476 | 527 | 527 | |
| 900 mm dia | Each | 596 | 664 | | |
| 1000 mm dia | Each | 697 | 802 | | |
| 1100 mm dia | Each | 838 | | | |
| 1200 mm dia | Each | 1342 | | | |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

6. S o R FOR CONVEYANCE OF R.C.C. PLAIN ENDED PIPES

| Sl.No. | Description | Rate upto 5 Kms Lead including Loading, unloading and stacking | Rate for every additional 1 KM lead or part thereof. | Rate upto 5 Kms Lead including Loading, unloading and stacking | Rate for every additional 1 KM lead or part thereof. |
|---------------|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Conveyance of R.C.C plain ended pipes on all weathered roads including loading, unloading and stacking (per metre) SoR for 2015-16 | | | | |
| | | NP - 2 Class | | NP - 3 Class & NP - 4 Class | |
| | 80 mm dia | 3.15 | 0.14 | | |
| | 100 mm dia | 4.20 | 0.14 | | |
| | 150 mm dia | 6.30 | 0.27 | | |
| | 200 mm dia | 8.40 | 0.27 | | |
| | 225 mm dia | 9.45 | 0.42 | | |
| | 250 mm dia | 10.50 | 0.42 | | |
| | 300 mm dia | 14.70 | 0.56 | 40.95 | 1.12 |
| | 350 mm dia | 21.00 | 1.26 | 44.10 | 1.26 |
| | 400 mm dia | 23.10 | 1.40 | 52.50 | 1.68 |
| | 450 mm dia | 30.45 | 1.68 | 56.70 | 1.95 |
| | 500 mm dia | 32.55 | 1.95 | 61.95 | 1.95 |
| | 600 mm dia | 47.25 | 3.08 | 93.45 | 4.34 |
| | 700 mm dia | 59.85 | 4.34 | 103.95 | 5.04 |
| | 800 mm dia | 70.35 | 4.34 | 124.95 | 5.04 |
| | 900 mm dia | 80.85 | 4.34 | 163.80 | 9.50 |
| | 1000 mm dia | 119.70 | 8.94 | 197.40 | 9.50 |
| | 1100 mm dia | 131.25 | 8.94 | 214.20 | 10.34 |
| | 1200 mm dia | 149.10 | 9.50 | 239.40 | 10.34 |
| | 1400 mm dia | 179.55 | 9.50 | 325.50 | 10.76 |
| | 1600 mm dia | 207.90 | 9.50 | 390.60 | 10.76 |
| | 1800 mm dia | 239.40 | 9.50 | 520.80 | 15.10 |

7. S o R FOR CONVEYANCE OF R.C.C. S/S PIPES

| Sl. No. | Description | Rate upto 5 Kms Lead including Loading, unloading & stacking | Rate for every additional 1 KM lead or part thereof. | Rate upto 5 Kms Lead including Loading, unloading and stacking | Rate for every additional 1 KM lead or part thereof. |
|--|--------------------|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 Conveyance of R.C.C. Socket and Spigot pipes on all weather roads including loading, unloading and stacking (per metre of effective length) SoR for 2015-16 | | | | | |
| | Size | NP - 2 & P1 Class | | NP – 3 & NP - 4 Class | |
| | 80 mm dia | 4.20 | 0.13 | | |
| | 100 mm dia | 4.20 | 0.25 | | |
| | 150 mm dia | 7.35 | 0.25 | | |
| | 200 mm dia | 9.45 | 0.50 | | |
| | 225 mm dia | 10.50 | 0.50 | | |
| | 250 mm dia | 11.55 | 1.14 | | |
| | 300 mm dia | 18.90 | 1.27 | 49.68 | 1.52 |
| | 350 mm dia | 22.05 | 1.40 | 54.00 | 1.77 |
| | 400 mm dia | 22.05 | 1.65 | 66.96 | 3.31 |
| | 450 mm dia | 31.50 | 1.77 | 73.44 | 3.31 |
| | 500 mm dia | 34.65 | 1.91 | 81.00 | 3.56 |
| | 600 mm dia | 45.15 | 3.31 | 109.08 | 5.08 |
| | 700 mm dia | 55.65 | 3.56 | 146.88 | 10.04 |
| | 800 mm dia | 76.65 | 5.46 | 173.88 | 10.04 |
| | 900 mm dia | 114.45 | 9.79 | 200.88 | 10.04 |
| | 1000 mm dia | 130.20 | 9.79 | 211.68 | 10.04 |
| | 1100 mm dia | 147.00 | 10.04 | 226.80 | 10.04 |
| | 1200 mm dia | 163.80 | 10.04 | 253.80 | 10.29 |
| | 1400 mm dia | 203.70 | 10.04 | 340.20 | 10.29 |
| | 1600 mm dia | 241.50 | 10.29 | 401.76 | 11.06 |
| | 1800 mm dia | 299.25 | 10.29 | 535.68 | 15.12 |
| | P2 - Class | P3 – Class | | | |
| | 80 mm dia | 4.20 | 0.13 | 4.20 | 0.13 |
| | 100 mm dia | 4.20 | 0.25 | 4.20 | 0.25 |
| | 150 mm dia | 7.35 | 0.25 | 7.35 | 0.25 |
| | 200 mm dia | 9.45 | 0.50 | 12.60 | 1.14 |
| | 225 mm dia | 12.60 | 1.14 | 14.70 | 1.27 |
| | 250 mm dia | 13.65 | 1.27 | 17.85 | 1.40 |
| | 300 mm dia | 26.25 | 1.52 | 30.45 | 1.65 |
| | 350 mm dia | 32.55 | 1.77 | 42.00 | 1.91 |
| | 400 mm dia | 38.85 | 1.91 | 55.65 | 3.31 |
| | 450 mm dia | 49.35 | 3.18 | 69.30 | 3.31 |
| | 500 mm dia | 55.65 | 3.31 | 84.00 | 4.96 |
| | 600 mm dia | 73.50 | 3.31 | 121.80 | 6.35 |
| | 700 mm dia | 110.25 | 6.73 | 177.45 | 10.04 |
| | 800 mm dia | 145.95 | 9.53 | 226.80 | 10.04 |
| | 900 mm dia | 177.45 | 10.04 | | |
| | 1000 mm dia | 218.40 | 10.29 | | |

8. S o R FOR A.C. PIPES

| Sl.No | Description | | | | |
|-------|---|------------|--------------|--------------|--------------|
| | SoR For 2015-16 | | | | |
| | | | Class - 15 | Class - 20 | Class - 25 |
| 1 | Manufacture, Supply of A.C. Pressure pipes (mazza process) as per BIS No: 1592/2003 as amended from time to time duly marked with BIS mark, including cost of material, incidental handling, loading and packing charges but are exclusive of transportation, unloading, stacking at departmental stores, and excluding excise duty, VAT octroi and other govt. Levies. The pipes shall be tested at factory premises confirming to is code 1592/2003. | | | | |
| | 80 mm dia | Rate/Metre | 204 | 223 | 278 |
| | 100 mm dia | Rate/Metre | 268 | 341 | 419 |
| | 125 mm dia | Rate/Metre | 350 | 436 | 547 |
| | 150 mm dia | Rate/Metre | 492 | 613 | 770 |
| | 200 mm dia | Rate/Metre | 815 | 1043 | 1323 |
| | 250 mm dia | Rate/Metre | 1033 | 1340 | 1678 |
| | 300 mm dia | Rate/Metre | 1445 | 1883 | 2406 |
| | 350 mm dia | Rate/Metre | 1762 | 2290 | 2888 |
| | 400 mm dia | Rate/Metre | 2290 | 2995 | 3718 |
| | 450 mm dia | Rate/Metre | 2719 | 3609 | 4519 |
| | 500 mm dia | Rate/Metre | 3356 | 4413 | 5541 |
| | 600 mm dia | Rate/Metre | 4773 | 6233 | 7942 |
| | 700 mm dia | Rate/Metre | 6301 | 8547 | 11052 |
| | 750 mm dia | Rate/Metre | 7181 | 9866 | 12646 |
| | 800 mm dia | Rate/Metre | 8216 | 11178 | 14346 |
| | 850 mm dia | Rate/Metre | 9216 | 12575 | 16155 |
| | 900 mm dia | Rate/Metre | 10274 | 14049 | 18070 |
| | 1000 mm dia | Rate/Metre | 12683 | 17248 | 22221 |
| 2 | Lowering, laying and jointing of ac pressure pipes with ac couplings or CID joints complete with Rubber rings in readymade trenches true to alignment and gradient including filling with water lead upto 500 mts and testing to required pressure including all sundries but excluding cost of jointing materials and conveyance from source of supply as per BIS No. 6530/1972 | | | | |
| | 80 mm dia | Rate/Metre | 39 | 39 | 39 |
| | 100 mm dia | Rate/Metre | 57 | 57 | 57 |
| | 125 mm dia | Rate/Metre | 63 | 63 | 63 |
| | 150 mm dia | Rate/Metre | 75 | 75 | 75 |
| | 200 mm dia | Rate/Metre | 98 | 98 | 98 |
| | 250 mm dia | Rate/Metre | 118 | 118 | 118 |
| | 300 mm dia | Rate/Metre | 145 | 145 | 145 |
| | 350 mm dia | Rate/Metre | 246 | 246 | 246 |
| | 400 mm dia | Rate/Metre | 370 | 370 | 370 |
| | 450 mm dia | Rate/Metre | 450 | 450 | 450 |
| | 500 mm dia | Rate/Metre | 572 | 572 | 572 |
| | 600 mm dia | Rate/Metre | 615 | 615 | 615 |
| | 700 mm dia | Rate/Metre | 686 | 686 | 686 |
| | 750 mm dia | Rate/Metre | 763 | 763 | 763 |
| | 800 mm dia | Rate/Metre | 803 | 803 | 803 |

| | | | | | | |
|--------------|--|------------|--|------------|------------|--|
| | 850 mm dia | Rate/Metre | | 857 | 857 | 857 |
| | 900 mm dia | Rate/Metre | | 935 | 935 | 935 |
| | 1000 mm dia | Rate/Metre | | 963 | 963 | 963 |
| | <p>1. The above rates of AC Pipes are based on the Cement cost of RS 6,400/- per MT (Including all taxes and freight).</p> <p>2. The above rates of AC pipes are based on the Fiber cost of Rs 75,500/- per M.T (Excluding all taxes & Freight)</p> <p>For any Increase/ Decrease in the rate of cement, the price of AC pipe per Rmt shall be increased/decreased as under.</p> <p>$W \times 0.85 \times IC$ Where W = Weight of pipe in Kg's/Rmt IC = Increase/Decrease in cost of cement/Kg</p> <p>For any increase/decrease in the rate of fiber, the price of AC pipe per Rmt shall be increased/Decreased as under :</p> <p>$W \times 0.15 \times IF$ Where : W=: Weight of pipe in Kg's/Rmt IF = Increase /Decrease in cost of fiber/Kg</p> | | | | | |
| Note: | <p>1) The Fiber rates are to be obtained from A.C. Pipe manufacturer of "Mazza" process.</p> <p>2) The cement rate shall be communicated by the sub-committee of Board of Chief engineers.</p> <p>3)The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate</p> | | | | | |
| 2 | Transportation of AC pressure pipes at site of work anywhere in Andhra Pradesh on motor able roads for full truck loads including transit insurance, unloading, and stacking at site of work etc. Complete (AC Couplings and Rubber rings are to be supplied free of transportation charges). | | | | | 5% on the basic cost of corresponding AC Pressure pipes. |

9. S o R FOR A.C. COUPLINGS

| Sl. No. | Description | | | | |
|------------|---|-------------|------------------------|-------------------|-------------------|
| | 2 | | | | |
| 1 | Manufacture, Supply of A.C Couplings suitable to A.C. Pressure pipes (mazza process) as per BIS: 1592/2003 excluding cost of rubber rings to suit AC pressure pipes including cost of material, incidental handling, packing, transportation and unloading at site transit risk, but excluding excise duty, VAT and other govt. Levies and testing of joints as per IS Code. | | | | |
| | Size | Unit | SoR For 2015-16 | | |
| 0 | | | Class - 15 | Class - 20 | Class – 25 |
| | 80 mm dia | Rate/Each | 97 | 105 | 120 |
| | 100 mm dia | Rate/Each | 125 | 135 | 163 |
| | 125 mm dia | Rate/Each | 157 | 174 | 209 |
| | 150 mm dia | Rate/Each | 184 | 230 | 284 |
| | 200 mm dia | Rate/Each | 338 | 370 | 471 |
| | 250 mm dia | Rate/Each | 395 | 498 | 634 |
| | 300 mm dia | Rate/Each | 515 | 668 | 859 |
| | 350 mm dia | Rate/Each | 668 | 862 | 1101 |
| | 400 mm dia | Rate/Each | 1029 | 1343 | 1719 |
| | 450 mm dia | Rate/Each | 1232 | 1624 | 2085 |
| | 500 mm dia | Rate/Each | 1469 | 1964 | 2508 |
| | 600 mm dia | Rate/Each | 1804 | 2265 | 2897 |
| | 700 mm dia | Rate/Each | 2380 | 3204 | 4167 |
| | 750 mm dia | Rate/Each | 2685 | 3671 | 4738 |
| | 800 mm dia | Rate/Each | 3046 | 4131 | 5345 |
| | 850 mm dia | Rate/Each | 3394 | 4620 | 5991 |
| | 900 mm dia | Rate/Each | 3755 | 5136 | 6668 |
| | 1000 mm dia | Rate/Each | 4583 | 6245 | 8139 |

1. The above rates of AC Coupling are based on the Cement cost of RS 6,400/- per MT (Including all taxes and freight).

2. The above rates of AC Coupling are based on the Fiber cost of Rs 75,500/- per M.T (Excluding all taxes & Freight)

For any Increase/ Decrease in the rate of cement, the price of AC Coupling per Each shall be increased/decreased as under.

$W \times 0.85 \times IC$ Where W = Weight of Coupling in Kgs/Each

IC = Increase/Decrease in cost of cement/kg

For any increase/decrease in the rate of fiber, the price of AC Coupling per Each shall be increased/Decreased as under :

$W \times 0.15 \times IF$ Where : W =: Weight of Coupling in Kgs/Each

IF = Increase /Decrease in cost of fiber/kg

The Fiber rates are to be obtained from A.C. Pipe manufacturer of "Mazza" process.

The cement rate shall be communicated by the sub-committee of Board of Chief engineers.

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

10. S o R FOR RUBBER RINGS TO SUIT A.C. COUPLINGS

| Sl. No. | Description | | | | | |
|------------------------|--|-------------|--|-------------------|-------------------|-------------------|
| 1 | 2 | | | | | |
| 1 | Schedule of rate for supply of Rubber rings manufactured as per BIS: 5382/1988 with BIS Mark embossed per each set suitable for A.C. Couplings including cost of material, incidental, handling, packing, transportation and unloading at site transit risk etc., but excluding VAT. The Rubber Rings shall be tested at the factory premises confirming to B.I.S 5382/1988 | | | | | |
| SoR for 2015-16 | | | | | | |
| | Size | Unit | | Class - 15 | Class - 20 | Class - 25 |
| | 80 mm dia | Each Set | | 75.00 | 75.00 | 75.00 |
| | 100 mm dia | Each Set | | 91.00 | 91.00 | 91.00 |
| | 125 mm dia | Each Set | | 119.00 | 119.00 | 119.00 |
| | 150 mm dia | Each Set | | 150.00 | 150.00 | 150.00 |
| | 200 mm dia | Each Set | | 156.00 | 156.00 | 156.00 |
| | 250 mm dia | Each Set | | 180.00 | 180.00 | 180.00 |
| | 300 mm dia | Each Set | | 180.00 | 180.00 | 180.00 |
| | 350 mm dia | Each Set | | 205.00 | 205.00 | 205.00 |
| | 400 mm dia | Each Set | | 251.00 | 251.00 | 251.00 |
| | 450 mm dia | Each Set | | 294.00 | 294.00 | 294.00 |
| | 500 mm dia | Each Set | | 340.00 | 340.00 | 340.00 |
| | 600 mm dia | Each Set | | 385.00 | 385.00 | 385.00 |
| | 700 mm dia | Each Set | | 800.00 | 800.00 | 800.00 |
| | 750 mm dia | Each Set | | 831.00 | 831.00 | 831.00 |
| | 800 mm dia | Each Set | | 892.00 | 892.00 | 892.00 |
| | 850 mm dia | Each Set | | 994.00 | 994.00 | 994.00 |
| | 900 mm dia | Each Set | | 1045.00 | 1045.00 | 1045.00 |
| | 1000 mm dia | Each Set | | 1158.00 | 1158.00 | 1158.00 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

11. S o R FOR PRE-STRESSED (NON-CYLINDER) CONCRETE PIPES FOR THE YEAR 2015-16

| Sl.No. | Description | | | | | | | |
|---------------|---|-------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1 | 2 | | | | | | | |
| 1 | Manufacture, Supply, Delivery of Pre-stressed (Non-cylinder) concrete pipes conforming to IS 784/2001 ex-factory excluding transportation, taxes & duties., for the following Field/Site Test Pressures.(The manufacture shall design the pipes as per the IS Code 784-2001) | | | | | | | |
| | Size | Unit | SoR for 2015-16. | | | | | |
| | | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | | 6 Kg/cm² | 8 Kg/cm² | 10 Kg/cm² | 12 Kg/cm² | 14 Kg/cm² | 16 Kg/cm² |
| | 350 MM DIA | Metre | 2624 | 2632 | 2646 | 2659 | 2712 | 2805 |
| | 400 MM DIA | Metre | 2823 | 2844 | 2876 | 2914 | 2967 | 3011 |
| | 450 MM DIA | Metre | 3023 | 3037 | 3071 | 3131 | 3210 | 3278 |
| | 500 MM DIA | Metre | 3271 | 3285 | 3312 | 3383 | 3452 | 3553 |
| | 600 MM DIA | Metre | 3762 | 3791 | 3829 | 3947 | 4071 | 4193 |
| | 700 MM DIA | Metre | 4610 | 4630 | 4703 | 4813 | 4980 | 5119 |
| | 800 MM DIA | Metre | 5442 | 5497 | 5635 | 5767 | 5994 | 6202 |
| | 900 MM DIA | Metre | 6312 | 6360 | 6501 | 6767 | 7025 | 7493 |
| | 1000 MM DIA | Metre | 7410 | 7473 | 7681 | 7980 | 8349 | 8778 |
| | 1100 MM DIA | Metre | 8416 | 8535 | 8769 | 9236 | 9632 | 10078 |
| | 1200 MM DIA | Metre | 9346 | 9501 | 9983 | 10430 | 11070 | 11882 |
| | 1300 MM DIA | Metre | 10599 | 11178 | 11770 | 12370 | 13400 | 14589 |
| | 1400 MM DIA | Metre | 12081 | 12751 | 13450 | 14569 | 15729 | 16552 |
| | 1500 MM DIA | Metre | 14074 | 14865 | 15655 | 16940 | 18235 | 19170 |
| | 1600 MM DIA | Metre | 15842 | 16744 | 17646 | 19921 | 20628 | 21686 |
| | 1700 MM DIA | Metre | 16679 | 17337 | 18230 | 20441 | 22595 | 23854 |
| | 1800 MM DIA | Metre | 18044 | 19171 | 20209 | 22164 | 24490 | 25855 |
| | 1900 MM DIA | Metre | 19267 | 20309 | 22080 | 23326 | 25323 | 28348 |
| | 2000 MM DIA | Metre | 21188 | 22484 | 23658 | 25942 | 29469 | 31774 |
| 2 | Cost of laying jointing, testing to hydrostatic field test pressure including cost of rubber rings, cost of transportation of water and emptying pipe line after completion of field testing etc. | | | | | | | |
| | 350 MM DIA | Metre | 213 | 213 | 213 | 213 | 213 | 213 |

| | | | | | | | | |
|----------|---|---------|------|------|------|------|------|------|
| | 400 MM DIA | Metre | 230 | 230 | 230 | 230 | 230 | 230 |
| | 450 MM DIA | Metre | 266 | 266 | 266 | 266 | 266 | 266 |
| | 500 MM DIA | Metre | 283 | 283 | 283 | 283 | 283 | 283 |
| | 600 MM DIA | Metre | 348 | 348 | 348 | 348 | 348 | 348 |
| | 700 MM DIA | Metre | 408 | 408 | 408 | 408 | 408 | 408 |
| | 800 MM DIA | Metre | 462 | 462 | 462 | 462 | 462 | 462 |
| | 900 MM DIA | Metre | 506 | 506 | 506 | 506 | 506 | 506 |
| | 1000 MM IA | Metre | 584 | 584 | 584 | 584 | 584 | 584 |
| | 1100 MM IA | Metre | 656 | 656 | 656 | 656 | 656 | 656 |
| | 1200 MMDIA | Metre | 727 | 727 | 727 | 727 | 727 | 727 |
| | 1300 MM DIA | Metre | 824 | 824 | 824 | 824 | 824 | 824 |
| | 1400 MM DIA | Metre | 932 | 932 | 932 | 932 | 932 | 932 |
| | 1500 MM DIA | Metre | 1011 | 1011 | 1011 | 1011 | 1011 | 1011 |
| | 1600 MM DIA | Metre | 1133 | 1133 | 1133 | 1133 | 1133 | 1133 |
| | 1700 MM DIA | Metre | 1233 | 1233 | 1233 | 1233 | 1233 | 1233 |
| | 1800 MM DIA | Metre | 1305 | 1305 | 1305 | 1305 | 1305 | 1305 |
| | 1900 MM DIA | Metre | 1378 | 1378 | 1378 | 1378 | 1378 | 1378 |
| | 2000 MM DIA | Metre | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 |
| 3 | Conveyance of pre-stressed (Non-cylinder) concrete pipies and accessories including loading at factory, un-loading at site and stacking for the following sizes.(minimum distance of 100 km to be considered if the distance is less by 100 km from factory to site) | | | | | | | |
| | 350 MM DIA | PerKM/M | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| | 400 MM DIA | PerKM/M | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| | 450 MM DIA | PerKM/M | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 500 MM DIA | PerKM/M | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 600 MM DIA | PerKM/M | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 |
| | 700 MM DIA | PerKM/M | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 |
| | 800 MM DIA | PerKM/M | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 |
| | 900 MM DIA | PerKM/M | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 |
| | 1000 MM DIA | PerKM/M | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |

| | | | | | | | | |
|----------|--|----------|-------|-------|-------|-------|-------|-------|
| | 1100 MM DIA | PerKM/M | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| | 1200 MM DIA | PerKM/M | 9.60 | 9.60 | 9.60 | 9.60 | 9.60 | 9.60 |
| | 1300 MM DIA | PerKM/M | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| | 1400 MM DIA | PerKM/M | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| | 1500 MM DIA | PerKM/M | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| | 1600 MM DIA | PerKM/M | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 |
| | 1700 MM DIA | PerKM/M | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 |
| | 1800 MM DIA | PerKM/M | 11.10 | 11.10 | 11.10 | 11.10 | 11.10 | 11.10 |
| | 1900 MM DIA | PerKM/M | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 |
| | 2000 MM DIA | PerKM/M | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 |
| 4 | Cost of Machine End pair (Socket +Spigot) for providing M.S Specials on PSC pipelines excluding cost of M.S Special including cost and conveyance to site etc., complete. | | | | | | | |
| | 350 MM DIA | Per Pair | 11012 | 11012 | 11012 | 11012 | 11012 | 11012 |
| | 400 MM DIA | Per Pair | 12632 | 12632 | 12632 | 12632 | 12632 | 12632 |
| | 450 MM DIA | Per Pair | 14250 | 14250 | 14250 | 14250 | 14250 | 14250 |
| | 500 MM DIA | Per Pair | 15870 | 15870 | 15870 | 15870 | 15870 | 15870 |
| | 600 MM DIA | Per Pair | 19045 | 19045 | 19045 | 19045 | 19045 | 19045 |
| | 700 MM DIA | Per Pair | 22283 | 22283 | 22283 | 22283 | 22283 | 22283 |
| | 800 MM DIA | Per Pair | 25522 | 25522 | 25522 | 25522 | 25522 | 25522 |
| | 900 MM DIA | Per Pair | 28760 | 28760 | 28760 | 28760 | 28760 | 28760 |
| | 1000 MM DIA | Per Pair | 31740 | 31740 | 31740 | 31740 | 31740 | 31740 |
| | 1100 MM DIA | Per Pair | 34979 | 34979 | 34979 | 34979 | 34979 | 34979 |
| | 1200 MM DIA | Per Pair | 38218 | 38218 | 38218 | 38218 | 38218 | 38218 |
| | 1300 MM DIA | Per Pair | 41198 | 41198 | 41198 | 41198 | 41198 | 41198 |
| | 1400 MM DIA | Per Pair | 48582 | 48582 | 48582 | 48582 | 48582 | 48582 |
| | 1500 MM DIA | Per Pair | 57003 | 57003 | 57003 | 57003 | 57003 | 57003 |
| | 1600 MM DIA | Per Pair | 63481 | 63481 | 63481 | 63481 | 63481 | 63481 |

| | | | | | | | | |
|----------|---|-------------|--------|--------------------------|-------------|--------|--------|--------|
| | 1700 MM DIA | Per Pair | 71231 | 71231 | 71231 | 71231 | 71231 | 71231 |
| | 1800 MM DIA | Per Pair | 81407 | 81407 | 81407 | 81407 | 81407 | 81407 |
| | 1900 MM DIA | Per Pair | 94126 | 94126 | 94126 | 94126 | 94126 | 94126 |
| | 2000 MM DIA | Per Pair | 113206 | 113206 | 113206 | 113206 | 113206 | 113206 |
| 5 | Cost of M.S Flanges including cost of bolts, nuts, rubber packing etc., complete and flange thickness confirming to is:7322-1985 and flange dimensions confirming to is:1538-1993 excluding cost of ms specials including cost and conveyance to site, vat etc., complete. | | | | | | | |
| | Diameter and thickness | Unit | Rate | Diameter and thickness | Unit | Rate | | |
| | 80 mm diax 15 mm thick | Each Flange | 745 | 500mm diax 20 mm thick | Each Flange | 7531 | | |
| | 100 mm diax 15 mm thick | Each Flange | 1016 | 600 mm diax 20 mm thick | Each Flange | 9479 | | |
| | 125 mm diax 15 mm thick | Each Flange | 1220 | 700 mm diax 25 mm thick | Each Flange | 13407 | | |
| | 150 mm diax 15 mm thick | Each Flange | 1625 | 750 mm diax 25 mm thick | Each Flange | 14762 | | |
| | 200 mm diax 15 mm thick | Each Flange | 2031 | 800 mm diax 25 mm thick | Each Flange | 16521 | | |
| | 250 mm diax 15 mm thick | Each Flange | 2641 | 900 mm diax 25 mm thick | Each Flange | 18959 | | |
| | 300 mm diax 15 mm thick | Each Flange | 2992 | 1000 mm diax 25 mm thick | Each Flange | 22344 | | |
| | 350 mm diax 18 mm thick | Each Flange | 4361 | 1050 mm diax 25 mm thick | Each Flange | 23672 | | |
| | 400 mm diax 18 mm thick | Each Flange | 5444 | 1100 mm diax 25 mm thick | Each Flange | 25594 | | |
| | 450 mm diax 18 mm thick | Each Flange | 6324 | 1200 mm diax 32 mm thick | Each Flange | 33991 | | |

Note: a) The above rate of PSC pipes are based on the HT wire cost of Rs.58,500/-MT (Basic+ CED+ST & freight). and cement price of Rs6,400/- per MT (including all taxes and freight)

The rates may be revised depending upon the increase/decrease in the cost of HT wire and cement. as per the following method. The cost of HT wire may be obtained from reputed firms like SAIL/TATA/ SS Ltd. etc.,

Revised Cost =Cost as per the above table +R1+R2.

R1= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of HT Wire =(H2-H1)/1000 X Wh.

R2= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of Cement =(C2-C1)/1000 X Wc.

H1 = Rs. 58,500/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

C1 = Rs. 6,400/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

Wh=Weight of HT Wire required (Kg.) per metre of pipe. Wc= Weight of Cement required (Kg.) per metre of pipe.

The rates for MS flanges are considering landed price of MS Plates of Rs.44,000/- per MT. Price variation to be released on actual weight of flange.

Note: 1) The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate

2) The above formula for calculation of revised cost to be used for preparation of Estimates only.

12. S o R FOR PRE-STRESSED (CYLINDER) CONCRETE PIPES FOR THE YEAR 2015-16

| Sl No. | Description | | | | | | | | | |
|---------------|---|-------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1 | 2 | | | | | | | | | |
| 1 | Pre-stressed (Cylinder type) concrete pipes conforming to IS 784/2001 @ ex-factory cost of pipes, excluding transportation, laying, jointing, testing, bends, tees, specials, taxes & duties for the following Field/Site Test Pressures.(The manufacture shall design the pipes as per the IS Code 784-2001) | | | | | | | | | |
| | Size | Unit | | | | | SoR For 2015-16 | | | |
| | | | 4 Kg/cm² | 6 Kg/cm² | 8 Kg/cm² | 10 Kg/cm² | 12 Kg/cm² | 14 Kg/cm² | 16 Kg/cm² | 18 Kg/cm² |
| | | | | | | | | | | 20 Kg/cm² |
| 400 MM DIA | Meter | 5569 | 5569 | 5569 | 5569 | 5598 | 5657 | 5756 | 5851 | 5924 |
| 450 MM DIA | Meter | 6050 | 6050 | 6053 | 6081 | 6153 | 6240 | 6330 | 6380 | 6440 |
| 500 MM DIA | Meter | 6450 | 6450 | 6520 | 6580 | 6640 | 6720 | 6820 | 6890 | 6970 |
| 600 MM DIA | Meter | 7420 | 7510 | 7600 | 7690 | 7770 | 7860 | 8000 | 8120 | 8210 |
| 700 MM DIA | Meter | 8470 | 8590 | 8700 | 8810 | 8930 | 9040 | 9240 | 9370 | 9520 |
| 800 MM DIA | Meter | 9940 | 10080 | 10220 | 10370 | 10520 | 10670 | 10880 | 11080 | 11260 |
| 900 MM DIA | Meter | 11340 | 11530 | 11710 | 11900 | 12090 | 12280 | 12810 | 13060 | 13360 |
| 1000 MM DIA | Meter | 13620 | 13840 | 14080 | 14310 | 14540 | 14780 | 15470 | 15800 | 16140 |
| 1100 MM DIA | Meter | 15150 | 15430 | 15710 | 15990 | 16270 | 16560 | 17400 | 17760 | 18200 |
| 1200 MM DIA | Meter | 16870 | 17200 | 17530 | 17870 | 18210 | 18550 | 19550 | 20010 | 20480 |
| 1300 MM DIA | Meter | 18910 | 19300 | 19700 | 20100 | 20500 | 21270 | 22080 | 22660 | 23310 |
| 1400 MM DIA | Meter | 21090 | 21590 | 22100 | 22650 | 23650 | 24820 | 25210 | 25470 | 26550 |
| 1500 MM DIA | Meter | 24616 | 25260 | 25790 | 26320 | 27350 | 27940 | 28720 | 29910 | 30580 |
| 1600 MM DIA | Meter | 27774 | 28553 | 29280 | 30390 | 31060 | 31820 | 33140 | 33890 | 34650 |
| 1700 MM DIA | Meter | 29886 | 30788 | 31610 | 32870 | 33630 | 35230 | 36080 | 36930 | 37790 |
| 1800 MM DIA | Meter | 32731 | 33678 | 35530 | 36680 | 37802 | 39910 | 41749 | 43047 | 44230 |
| 1900 MM DIA | Meter | 38402 | 39330 | 40820 | 41760 | 43670 | 44730 | 45790 | 46860 | 47930 |
| 2000 MM DIA | Meter | 40720 | 42290 | 43330 | 44380 | 46490 | 47660 | 48840 | 50030 | 51220 |
| 2 | Cost of laying jointing, testing to hydrostatic field test pressure including cost of site welding and fixing of polypropylene diapher cloth, cost of transportation of water and emptying pipe line after completion of field testing etc. | | | | | | | | | |

| | | | | | | | | | | | |
|----------|--|----------|------|------|------|------|------|------|------|------|------|
| | 400 MM DIA | Meter | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 | 449 |
| | 450 MM DIA | Meter | 528 | 528 | 528 | 528 | 528 | 528 | 528 | 528 | 528 |
| | 500 MM DIA | Meter | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | 600 MM DIA | Meter | 673 | 673 | 673 | 673 | 673 | 673 | 673 | 673 | 673 |
| | 700 MM DIA | Meter | 767 | 767 | 767 | 767 | 767 | 767 | 767 | 767 | 767 |
| | 800 MM DIA | Meter | 880 | 880 | 880 | 880 | 880 | 880 | 880 | 880 | 880 |
| | 900 MM DIA | Meter | 992 | 992 | 992 | 992 | 992 | 992 | 992 | 992 | 992 |
| | 1000 MM DIA | Meter | 1087 | 1087 | 1087 | 1087 | 1087 | 1087 | 1087 | 1087 | 1087 |
| | 1100 MM DIA | Meter | 1232 | 1232 | 1232 | 1232 | 1232 | 1232 | 1232 | 1232 | 1232 |
| | 1200 MM DIA | Meter | 1344 | 1344 | 1344 | 1344 | 1344 | 1344 | 1344 | 1344 | 1344 |
| | 1300 MM DIA | Meter | 1439 | 1439 | 1439 | 1439 | 1439 | 1439 | 1439 | 1439 | 1439 |
| | 1400 MM DIA | Meter | 1584 | 1584 | 1584 | 1584 | 1584 | 1584 | 1584 | 1584 | 1584 |
| | 1500 MM DIA | Meter | 1758 | 1758 | 1758 | 1758 | 1758 | 1758 | 1758 | 1758 | 1758 |
| | 1600 MM DIA | Meter | 1903 | 1903 | 1903 | 1903 | 1903 | 1903 | 1903 | 1903 | 1903 |
| | 1700 MM DIA | Meter | 2143 | 2143 | 2143 | 2143 | 2143 | 2143 | 2143 | 2143 | 2143 |
| | 1800 MM DIA | Meter | 2272 | 2272 | 2272 | 2272 | 2272 | 2272 | 2272 | 2272 | 2272 |
| | 1900 MM DIA | Meter | 2478 | 2478 | 2478 | 2478 | 2478 | 2478 | 2478 | 2478 | 2478 |
| | 2000 MM DIA | Meter | 2638 | 2638 | 2638 | 2638 | 2638 | 2638 | 2638 | 2638 | 2638 |
| 3 | Conveyance of Pre-stressed (Cylinder type) concrete pipes and accessories including loading at factory, un-loading at site and stacking for the following sizes. (minimum distance of 100 km to be considered if the distance is less by 100 km from factory to site) | | | | | | | | | | |
| | 400 MM DIA | Per KM/M | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| | 450 MM DIA | Per KM/M | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| | 500 MM DIA | Per KM/M | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 600 MM DIA | Per KM/M | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 700 MM DIA | Per KM/M | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 |
| | 800 MM DIA | Per KM/M | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 |

| | | | | | | | | | | | |
|--|-------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 900 MM DIA | Per KM/M | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 |
| | 1000 MM DIA | Per KM/M | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 |
| | 1100 MM DIA | Per KM/M | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 |
| | 1200 MM DIA | Per KM/M | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 |
| | 1300 MM DIA | Per KM/M | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 |
| | 1400 MM DIA | Per KM/M | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 |
| | 1500 MM DIA | Per KM/M | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 |
| | 1600 MM DIA | Per KM/M | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 |
| | 1700 MM DIA | Per KM/M | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 |
| | 1800 MM DIA | Per KM/M | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 |
| | 1900 MM DIA | Per KM/M | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 |
| | 2000 MM DIA | Per KM/M | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 | 11.50 |

Note: The rates of PCCP pipes which were incorporated in the SSR are based on the following raw materials cost.

HT Wire: - Rs.58,500/- (including all taxes & freight)

HR Coil (Hot Rolled): - Rs.44,500/- (including all taxes & freight)

Cement Cost Rs. 6,400/- per MT (including all duties, taxes & freight)

The rates may be revised depending upon the increase/ decrease in the cost of raw materials (landed price) as per the following method.

Revised Cost =Cost as per the above table +R1+R2+R3.

R1= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of HT Wire =(H2-H1)/1000 X Wh.

R2= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of HR Coil =(R2-R1)/1000 X Wr.

R3= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of Cement =(C2-C1)/1000 X Wc .

H1 = Rs. 58,500/- H2 = Cost of HT Wire (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

R1 = Rs. 44,500/- R2 = Cost of HR Coil (Rs. Per MT including all taxes and freight) at the time of preparation of estimate .

C1 = Rs. 6,400/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

Wh=Weight of HT Wire required (Kg.) per metre of pipe. Wc= Weight of Cement required (Kg.) per metre of pipe.
 Wr = Weight of HR Coil required (kg) per metre of pipe.

Note: 1) The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.
2) The above formula for calculation of revised cost to be used for preparation of Estimates only.

13. S o R FOR BAR WRAPPED STEEL CYLINDRICAL (BWSC) PIPES FOR THE YEAR 2015-16

| Sl. No | Description | | | | | | | | | | | |
|--------|---|-------|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | | | | | | | | | | | |
| 1 | Bar Wrapped Steel Cylindrical (BWSC) pipes conforming to IS 15155 - 2002, ex-factory excluding transportation, taxes and duties etc., for bar wrapped steel cylindrical pipes for the following Field/Site Test Pressures.(The manufacture shall design the pipes as per the IS Code 784-2001) | | | | | | | | | | | |
| | Size | Unit | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | | 4 -12 Kg/cm ² | 14 Kg/cm ² | 16 Kg/cm ² | 18 Kg/cm ² | 20 Kg/cm ² | 22 Kg/cm ² | 24 Kg/cm ² | 26 Kg/cm ² | 28 Kg/cm ² | 30 Kg/cm ² |
| | 250 MM DIA | Meter | 2800 | 2800 | 2800 | 2800 | 2800 | 2800 | 3120 | 3220 | 3277 | 3430 |
| | 300 MM DIA | Meter | 3140 | 3140 | 3140 | 3140 | 3140 | 3280 | 3747 | 3884 | 3957 | 4165 |
| | 350 MM DIA | Meter | 3830 | 3830 | 3830 | 3900 | 4080 | 4280 | 4470 | 4660 | 4860 | 5030 |
| | 400 MM DIA | Meter | 4230 | 4230 | 4320 | 4560 | 4810 | 5050 | 5280 | 5530 | 5763 | 6020 |
| | 450 MM DIA | Meter | 4760 | 4800 | 5120 | 5420 | 5712 | 5942 | 6215 | 6453 | 6710 | 7285 |
| | 500 MM DIA | Meter | 5170 | 5520 | 5890 | 6280 | 6660 | 6984 | 7319 | 7607 | 8114 | 8632 |
| | 600 MM DIA | Meter | 6380 | 6820 | 7370 | 7890 | 8440 | 9040 | 9660 | 10254 | 10887 | 11453 |
| | 700 MM DIA | Meter | 7800 | 8520 | 9240 | 9960 | 10780 | 11630 | 12400 | 13470 | 14190 | 14920 |
| | 800 MM DIA | Meter | 9430 | 10350 | 11280 | 12310 | 13460 | 14490 | 15760 | 16670 | 17710 | 18890 |
| | 900 MM DIA | Meter | 11370 | 12510 | 13660 | 14930 | 16250 | 17587 | 19080 | 20240 | 21713 | 22660 |
| | 1000 MM DIA | Meter | 13500 | 14920 | 16530 | 18090 | 19580 | 21270 | 22650 | 24490 | 25710 | 27120 |
| | 1100 MM DIA | Meter | 17620 | 17990 | 19700 | 21610 | 23470 | 25430 | 26740 | 28580 | 30590 | 32610 |
| | 1200 MM DIA | Meter | 19240 | 20540 | 22620 | 24790 | 27000 | 29480 | 31220 | 33630 | 35820 | 37880 |
| 2 | Cost of laying jointing, testing to hydrostatic field test pressure including cost of site welding and fixing of polypropylene diaher cloth, cost of transportation of water and emptying pipe line after completion of field testing. | | | | | | | | | | | |
| | 250 MM DIA | Meter | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 | 306 |

| | | | | | | | | | | | | |
|----------|---|----------|------|------|------|------|------|------|------|------|------|------|
| | 300 MM DIA | Meter | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| | 350 MM DIA | Meter | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 | 426 |
| | 400 MM DIA | Meter | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 |
| | 450 MM DIA | Meter | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 |
| | 500 MM DIA | Meter | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 |
| | 600 MM DIA | Meter | 733 | 733 | 733 | 733 | 733 | 733 | 733 | 733 | 733 | 733 |
| | 700 MM DIA | Meter | 854 | 854 | 854 | 854 | 854 | 854 | 854 | 854 | 854 | 854 |
| | 800 MM DIA | Meter | 971 | 971 | 971 | 971 | 971 | 971 | 971 | 971 | 971 | 971 |
| | 900 MM DIA | Meter | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 |
| | 1000 MM DIA | Meter | 1262 | 1262 | 1262 | 1262 | 1262 | 1262 | 1262 | 1262 | 1262 | 1262 |
| | 1100 MM DIA | Meter | 1483 | 1483 | 1483 | 1483 | 1483 | 1483 | 1483 | 1483 | 1483 | 1483 |
| | 1200 MM DIA | Meter | 1660 | 1660 | 1660 | 1660 | 1660 | 1660 | 1660 | 1660 | 1660 | 1660 |
| 3 | Conveyance of Bar Wrapped Steel Cylindrical (BWSC) pipes and accessories including loading at factory, un-loading at site and stacking for the following sizes. (minimum distance of 100 km to be considered if the distance is less by 100 km from factory to site) | | | | | | | | | | | |
| | 250 MM DIA | Per KM/M | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| | 300 MM DIA | Per KM/M | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| | 350 MM DIA | Per KM/M | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| | 400 MM DIA | Per KM/M | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 450 MM DIA | Per KM/M | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| | 500 MM DIA | Per KM/M | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 600 MM DIA | Per KM/M | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 700 MM DIA | Per KM/M | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 |
| | 800 MM DIA | Per KM/M | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| | 900 MM DIA | Per KM/M | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| | 1000 MM DIA | Per KM/M | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 |
| | 1100 MM DIA | Per KM/M | 6.93 | 6.93 | 6.93 | 6.93 | 6.93 | 6.93 | 6.93 | 6.93 | 6.93 | 6.93 |
| | 1200 MM DIA | Per KM/M | 9.68 | 9.68 | 9.68 | 9.68 | 9.68 | 9.68 | 9.68 | 9.68 | 9.68 | 9.68 |

Note: The above rates of BWSC pipes are based on the following raw materials' cost.

HR Plates - Rs.44,500/- per MT (Basic +CED+ST & freight)

Wire rods - Rs.42,500/- per MT (Basic +CED+ST & freight)

Cement Cost Rs. 6,400/-per MT (including all duties, taxes & freight)

The rates may be revised depending upon the increase/ decrease in the cost of raw materials (landed price) as per the following method.

Revised Cost =Cost as per the above table +R1+R2+R3.

R1= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of HR Plate =(H2-H1)/1000 X Wh.

R2= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of wire rods =(W2-W1)/1000 X Ww.

R3= Variation (increase / decrease) in cost (Rs. per metre)due to change in the cost of Cement =(C2-C1)/1000 X Wc .

H1 = Rs. 44,500/- H2 = Cost of HR Plate (Rs. Per MT including all taxes and freight) at the time of preparation of estimate.

W1 = Rs. 42,500/- W2 = Cost of Wire rods (Rs. Per MT including all taxes and freight) at the time of preparation of estimate .

C1 = Rs. 6,400/- C2 = Cost of Cement (Rs. Per MT including all taxes and freight) at the time of preparation of estimate

Wh=Weight of HR Plate required (Kg.) per metre of pipe. Wc= Weight of Cement required (Kg.) per metre of pipe.

Ww = Weight of wire rods required (kg) per metre of pipe.

Note: 1) The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

2) The above formula for calculation of revised cost to be used for preparation of Estimates only.

14. S o R FOR M.S. PIPES FOR THE YEAR 2015-16

| Sl.No. | Description | Unit | Thickness in mm | Rate (Rs.) |
|---------------|--|-------------|------------------------|-------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Manufacture, supply and delivery of M.S Pipes conforming to is 3589/2001 including in lining with cement mortar (1:2) 15mm thick using 4 numbers of 6mm dia M.S.Rings at each end of the pipe and out coating with cement mortar (1:3) 30mm thick by shortcreting or gunetting duly providing wire mesh of size 50x50x3mm including cost of all materials, labour charges, transportation to anywhere in AP, but excluding taxes & duties, etc. | | | |
| | 500 mm dia | Meter | 8.00 | 8559 |
| | | | | |
| | 600 mm dia | Meter | 8.00 | 10207 |
| | | | | |
| | 700 mm dia | Meter | 8.00 | 11907 |
| | 700 mm dia | Meter | 10.00 | 14763 |
| | | | | |
| | 800 mm dia | Meter | 8.00 | 13665 |
| | 800 mm dia | Meter | 10.00 | 15758 |
| | 800 mm dia | Meter | 12.00 | 18643 |
| | | | | |
| | 900 mm dia | | 8.00 | 15255 |
| | 900 mm dia | Meter | 10.00 | 17606 |
| | 900 mm dia | Meter | 12.00 | 19963 |
| | | | | |
| | 1000 mm dia | Meter | 8.00 | 17124 |
| | 1000 mm dia | Meter | 10.00 | 19726 |
| | 1000 mm dia | Meter | 12.00 | 22244 |
| | 1000 mm dia | Meter | 14.00 | 25680 |
| | | | | |
| | 1100 mm dia | Meter | 8.00 | 20195 |
| | 1100 mm dia | Meter | 10.00 | 23058 |
| | 1100 mm dia | Meter | 12.00 | 25923 |
| | 1100 mm dia | Meter | 14.00 | 29941 |
| | 1100 mm dia | Meter | 16.00 | 33974 |
| | | | | |
| | 1200 mm dia | Meter | 8.00 | 22831 |
| | 1200 mm dia | Meter | 10.00 | 25944 |
| | 1200 mm dia | Meter | 12.00 | 29066 |
| | 1200 mm dia | Meter | 14.00 | 32205 |
| | 1200 mm dia | Meter | 16.00 | 36532 |
| | 1200 mm dia | Meter | 18.00 | 40872 |
| | | | | |
| | 1300 mm dia | Meter | 8.00 | 24917 |

| | | | | |
|--|-------------|-------|-------|-------|
| | 1300 mm dia | Meter | 10.00 | 28285 |
| | 1300 mm dia | Meter | 12.00 | 31664 |
| | 1300 mm dia | Meter | 14.00 | 35052 |
| | 1300 MM DIA | Meter | 16.00 | 38455 |
| | 1300 MM DIA | Meter | 18.00 | 43012 |
| | 1300 MM DIA | Meter | 20.00 | 47583 |
| | | | | |
| | 1400 MM DIA | Meter | 8.00 | 26509 |
| | 1400 MM DIA | Meter | 10.00 | 30130 |
| | 1400 MM DIA | Meter | 12.00 | 33764 |
| | 1400 MM DIA | Meter | 14.00 | 37412 |
| | 1400 MM DIA | Meter | 16.00 | 41066 |
| | 1400 MM DIA | Meter | 18.00 | 45926 |
| | 1400 MM DIA | Meter | 20.00 | 50797 |
| | 1400 MM DIA | Meter | 22.00 | 55682 |
| | | | | |
| | 1500 MM DIA | Meter | 8.00 | 28374 |
| | 1500 MM DIA | Meter | 10.00 | 32256 |
| | 1500 MM DIA | Meter | 12.00 | 36142 |
| | 1500 MM DIA | Meter | 14.00 | 40043 |
| | 1500 MM DIA | Meter | 16.00 | 43955 |
| | 1500 MM DIA | Meter | 18.00 | 47871 |
| | 1500 MM DIA | Meter | 20.00 | 52935 |
| | 1500 MM DIA | Meter | 22.00 | 58013 |
| | 1500 MM DIA | Meter | 24.00 | 63105 |
| | | | | |
| | 1600 MM DIA | Meter | 8.00 | 29981 |
| | 1600 MM DIA | Meter | 10.00 | 34097 |
| | 1600 MM DIA | Meter | 12.00 | 38242 |
| | 1600 MM DIA | Meter | 14.00 | 42398 |
| | 1600 MM DIA | Meter | 16.00 | 46564 |
| | 1600 MM DIA | Meter | 18.00 | 50739 |
| | 1600 MM DIA | Meter | 20.00 | 56099 |
| | 1600 MM DIA | Meter | 22.00 | 61474 |
| | 1600 MM DIA | Meter | 24.00 | 66861 |
| | 1600 MM DIA | Meter | 26.00 | 72260 |
| | | | | |
| | 1700 MM DIA | Meter | 8.00 | 31830 |
| | 1700 MM DIA | Meter | 10.00 | 36218 |
| | 1700 MM DIA | Meter | 12.00 | 40617 |
| | 1700 MM DIA | Meter | 14.00 | 45029 |
| | 1700 MM DIA | Meter | 16.00 | 49447 |
| | 1700 MM DIA | Meter | 18.00 | 53879 |
| | 1700 MM DIA | Meter | 20.00 | 59568 |
| | 1700 MM DIA | Meter | 22.00 | 65273 |
| | 1700 MM DIA | Meter | 24.00 | 70986 |
| | 1700 MM DIA | Meter | 26.00 | 76718 |
| | 1700 MM DIA | Meter | 28.00 | 82457 |
| | | | | |
| | 1800 MM DIA | Meter | 8.00 | 33696 |
| | 1800 MM DIA | Meter | 10.00 | 38338 |
| | 1800 MM DIA | Meter | 12.00 | 42994 |

| | | | | |
|--|-------------|-------|-------|--------|
| | 1800 MM DIA | Meter | 14.00 | 47663 |
| | 1800 MM DIA | Meter | 16.00 | 52333 |
| | 1800 MM DIA | Meter | 18.00 | 57022 |
| | 1800 MM DIA | Meter | 20.00 | 61718 |
| | 1800 MM DIA | Meter | 22.00 | 67615 |
| | 1800 MM DIA | Meter | 24.00 | 73525 |
| | 1800 MM DIA | Meter | 26.00 | 79445 |
| | 1800 MM DIA | Meter | 28.00 | 85381 |
| | 1800 MM DIA | Meter | 30.00 | 91326 |
| | | | | |
| | 1900 MM DIA | Meter | 8.00 | 34253 |
| | 1900 MM DIA | Meter | 10.00 | 40185 |
| | 1900 MM DIA | Meter | 12.00 | 45091 |
| | 1900 MM DIA | Meter | 14.00 | 50013 |
| | 1900 MM DIA | Meter | 16.00 | 54944 |
| | 1900 MM DIA | Meter | 18.00 | 59888 |
| | 1900 MM DIA | Meter | 20.00 | 64835 |
| | 1900 MM DIA | Meter | 22.00 | 71024 |
| | 1900 MM DIA | Meter | 24.00 | 77226 |
| | 1900 MM DIA | Meter | 26.00 | 83442 |
| | 1900 MM DIA | Meter | 28.00 | 89668 |
| | 1900 MM DIA | Meter | 30.00 | 95909 |
| | 1900 MM DIA | Meter | 32.00 | 102159 |
| | | | | |
| | 2000 MM DIA | Meter | 8.00 | 35834 |
| | 2000 MM DIA | Meter | 10.00 | 42031 |
| | 2000 MM DIA | Meter | 12.00 | 47196 |
| | 2000 MM DIA | Meter | 14.00 | 52371 |
| | 2000 MM DIA | Meter | 16.00 | 57556 |
| | 2000 MM DIA | Meter | 18.00 | 62755 |
| | 2000 MM DIA | Meter | 20.00 | 67956 |
| | 2000 MM DIA | Meter | 22.00 | 73133 |
| | 2000 MM DIA | Meter | 24.00 | 79506 |
| | 2000 MM DIA | Meter | 26.00 | 85891 |
| | 2000 MM DIA | Meter | 28.00 | 92292 |
| | 2000 MM DIA | Meter | 30.00 | 98701 |
| | 2000 MM DIA | Meter | 32.00 | 105124 |
| | 2000 MM DIA | Meter | 34.00 | 111559 |
| | | | | |
| | 2100 MM DIA | Meter | 8.00 | 37643 |
| | 2100 MM DIA | Meter | 10.00 | 44151 |
| | 2100 MM DIA | Meter | 12.00 | 49571 |
| | 2100 MM DIA | Meter | 14.00 | 54989 |
| | 2100 MM DIA | Meter | 16.00 | 60441 |
| | 2100 MM DIA | Meter | 18.00 | 65892 |
| | 2100 MM DIA | Meter | 20.00 | 71352 |
| | 2100 MM DIA | Meter | 22.00 | 76827 |
| | 2100 MM DIA | Meter | 24.00 | 83520 |
| | 2100 MM DIA | Meter | 26.00 | 90225 |
| | 2100 MM DIA | Meter | 28.00 | 96944 |
| | 2100 MM DIA | Meter | 30.00 | 103672 |
| | 2100 MM DIA | Meter | 32.00 | 110415 |

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|--|-------------|-------|-------|--------|
| | 2100 MM DIA | Meter | 34.00 | 117169 |
| | 2100 MM DIA | Meter | 36.00 | 123935 |
| | 2200 MM DIA | Meter | 8.00 | 39221 |
| | 2200 MM DIA | Meter | 10.00 | 45997 |
| | 2200 MM DIA | Meter | 12.00 | 51674 |
| | 2200 MM DIA | Meter | 14.00 | 57356 |
| | 2200 MM DIA | Meter | 16.00 | 63054 |
| | 2200 MM DIA | Meter | 18.00 | 68756 |
| | 2200 MM DIA | Meter | 20.00 | 74474 |
| | 2200 MM DIA | Meter | 22.00 | 80204 |
| | 2200 MM DIA | Meter | 26.00 | 94182 |
| | 2200 MM DIA | Meter | 28.00 | 101187 |
| | 2200 MM DIA | Meter | 30.00 | 108206 |
| | 2200 MM DIA | Meter | 32.00 | 115236 |
| | 2200 MM DIA | Meter | 34.00 | 122281 |
| | 2200 MM DIA | Meter | 36.00 | 129337 |
| | 2200 MM DIA | Meter | 38.00 | 136406 |
| | | | | |
| | 2300 MM DIA | Meter | 10.00 | 48118 |
| | 2300 MM DIA | Meter | 12.00 | 54048 |
| | 2300 MM DIA | Meter | 16.00 | 65934 |
| | 2300 MM DIA | Meter | 18.00 | 71897 |
| | 2300 MM DIA | Meter | 20.00 | 77869 |
| | 2300 MM DIA | Meter | 22.00 | 83849 |
| | 2300 MM DIA | Meter | 26.00 | 98455 |
| | 2300 MM DIA | Meter | 28.00 | 105775 |
| | 2300 MM DIA | Meter | 30.00 | 113110 |
| | 2300 MM DIA | Meter | 32.00 | 120455 |
| | 2300 MM DIA | Meter | 34.00 | 127813 |
| | 2300 MM DIA | Meter | 36.00 | 135184 |
| | 2300 MM DIA | Meter | 38.00 | 142567 |
| | 2300 MM DIA | Meter | 40.00 | 149960 |
| | | | | |
| | 2400MM DIA | Meter | 10.00 | 49963 |
| | 2400 MM DIA | Meter | 12.00 | 56148 |
| | 2400 MM DIA | Meter | 14.00 | 63274 |
| | 2400 MM DIA | Meter | 16.00 | 69482 |
| | 2400 MM DIA | Meter | 18.00 | 75695 |
| | 2400 MM DIA | Meter | 20.00 | 81925 |
| | 2400 MM DIA | Meter | 22.00 | 89006 |
| | 2400 MM DIA | Meter | 26.00 | 96023 |
| | 2400 MM DIA | Meter | 28.00 | 102657 |
| | 2400 MM DIA | Meter | 30.00 | 109303 |
| | 2400 MM DIA | Meter | 32.00 | 115958 |
| | 2400 MM DIA | Meter | 34.00 | 122623 |
| | 2400 MM DIA | Meter | 36.00 | 129303 |
| | 2400 MM DIA | Meter | 38.00 | 135989 |
| | 2400 MM DIA | Meter | 40.00 | 136423 |
| | 2400 MM DIA | Meter | 42.00 | 143127 |
| | | | | |
| | 2500 MM DIA | Meter | 10.00 | 52086 |

| | | | | |
|---|---|-------|-------|--------|
| | 2500 MM DIA | Meter | 14.00 | 64975 |
| | 2500 MM DIA | Meter | 16.00 | 71435 |
| | 2500 MM DIA | Meter | 18.00 | 77907 |
| | 2500 MM DIA | Meter | 20.00 | 84386 |
| | 2500 MM DIA | Meter | 22.00 | 90879 |
| | 2500 MM DIA | Meter | 28.00 | 114615 |
| | 2500 MM DIA | Meter | 30.00 | 122554 |
| | 2500 MM DIA | Meter | 34.00 | 138465 |
| | 2500 MM DIA | Meter | 36.00 | 146440 |
| | 2500 MM DIA | Meter | 38.00 | 154426 |
| | 2500 MM DIA | Meter | 40.00 | 162423 |
| | 2500 MM DIA | Meter | 42.00 | 170435 |
| | 2500 MM DIA | Meter | 44.00 | 178459 |
| | 2500 MM DIA | Meter | 46.00 | 186494 |
| | | | | |
| | 2600 MM DIA | Meter | 12.00 | 60622 |
| | 2600 MM DIA | Meter | 14.00 | 67331 |
| | 2600 MM DIA | Meter | 16.00 | 74049 |
| | 2600 MM DIA | Meter | 18.00 | 80774 |
| | 2600 MM DIA | Meter | 20.00 | 87510 |
| | 2600 MM DIA | Meter | 22.00 | 94255 |
| | 2600 MM DIA | Meter | 32.00 | 135327 |
| | 2600 MM DIA | Meter | 34.00 | 143579 |
| | 2600 MM DIA | Meter | 36.00 | 151841 |
| | 2600 MM DIA | Meter | 38.00 | 160116 |
| | 2600 MM DIA | Meter | 40.00 | 168404 |
| | 2600 MM DIA | Meter | 42.00 | 176706 |
| | 2600 MM DIA | Meter | 44.00 | 185018 |
| | 2600 MM DIA | Meter | 46.00 | 193343 |
| | 2600 MM DIA | Meter | 48.00 | 201681 |
| 2 | Cost of Laying, Jointing, Hydrostatic Filed Test Pressure, Including Cost of Site Welding, Jointing Materials And Cost of Transportation of Water Including Emptying Pipe Line After Completion Of Field Testing | | | |
| | 400 MM DIA | Meter | | 527 |
| | 500 MM DIA | Meter | | 656 |
| | 600 MM DIA | Meter | | 807 |
| | 700 MM DIA | Meter | | 936 |
| | 800 MM DIA | Meter | | 1068 |
| | 900 MM DIA | Meter | | 1256 |
| | 1000 MM DIA | Meter | | 1387 |
| | 1100 MM DIA | Meter | | 1631 |
| | 1200 MM DIA | Meter | | 1827 |
| | 1300 MM DIA | Meter | | 2100 |
| | 1400 MM DIA | Meter | | 2417 |
| | 1500 MM DIA | Meter | | 2778 |
| | 1600 MM DIA | Meter | | 3193 |
| | 1700 MM DIA | Meter | | 3670 |
| | 1800 MM DIA | Meter | | 4222 |
| | 1900 MM DIA | Meter | | 4855 |
| | 2000 MM DIA | Meter | | 5586 |

| | | | | |
|--|-------------|-------|--|-------|
| | 2100 MM DIA | Meter | | 6424 |
| | 2200 MM DIA | Meter | | 7385 |
| | 2300 MM DIA | Meter | | 8493 |
| | 2400 MM DIA | Meter | | 9767 |
| | 2500 MM DIA | Meter | | 11232 |
| | 2600 MM DIA | Meter | | 12918 |

The above rates of MS Spiral pipes are based on the following raw materials cost.

MS Plates = Rs 44,000/- Per MT.

The rates may be revised depending upon the increase/decrease in the cost of raw materials (landed price) as per the following method.

Revised Cost = Cost as per the above table "R₁".

R₁= Variation (Increase/Decrease) in cost (Rs. Per meter) due to change in cost of MS Plates = $(M_2 - M_1)/1000 \times W_m$

M₁= Rs 44,000/-

M₂= Cost of MS Plates (Rs. Per MT including all taxes and freight)
at the time of preparation of estimate

W_m=Weight of MS Plates required (Kg) per meter of pipe

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

15. S.S. RATES FOR H.D.P.E PIPES FOR THE YEAR 2015-16. (PE - 80 Grade)

| Sl.No | Description | 4.0 kg/ sqcm |
|---|-----------------------|-------------------------|
| 1 | 2 | 4 |
| Manufacture, Supply, & Delivery of HDPE pipes conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. (supply upto 90 mm dia in coil & above 90 mm dia straight lengths in 6 m.) | | |
| | Rate per Meter | |
| OD 40 mm | | 41 |
| OD 50 mm | | 63 |
| OD 63 mm | | 86 |
| OD 75 mm | | 117 |
| OD 90 mm | | 168 |
| OD 110 mm | | 250 |
| OD 125 mm | | 323 |
| OD 140 mm | | 399 |
| OD 160 mm | | 521 |
| OD 180 mm | | 658 |
| OD 200 mm | | 807 |
| OD 225 mm | | 1048 |
| OD 250 mm | | 1296 |
| OD 280 mm | | 1616 |
| OD 315 mm | | 2053 |
| OD 355 mm | | 2499 |
| OD 400 mm | | 3239 |
| OD 450 mm | | 4117 |
| OD 500 mm | | 5057 |
| OD 560 mm | | 6258 |
| OD 630 mm | | 7916 |
| OD 710 mm | | 10058 |
| OD 800 mm | | 12730 |
| OD 900 mm | | 16130 |
| OD 1000 mm | | 19864 |

Note: Excise duty, CST / VAT extra as applicable at the time of supply.

Reliance Industries Resin cost adopted for the above rates are

For PE - 80 grade Rs.1,03,770/- per MT. (Excluding CED&ST)

The variation in cost of HDPE pipes due to increase / decrease in raw material cost shall be allowed as per the following price variation formula.

price variation formula as follows:

$$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95 \text{ (for increase in raw material cost)}$$

$$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95 \text{ (for decrease in raw material cost)}$$

P2 = Revised pipe price in Rs. Per Meter excluding CED & ST

P1 = Existing pipe price in Rs. Per Meter excluding CED & ST

A2 = Revised price of raw material Rs. Per MT excluding CED & ST

A1 = Existing price of raw material Rs. Per MT excluding CED & ST

M = Weight of pipe in Kgs per Meter as per weight chart.

Note: The above formula for calculation of revised cost to be used for preparation of Estimates only.

16(I). S o R FOR H.D.P.E PIPES FOR THE YEAR 2015-16. (PE - 100 Grade)

| Sl. No | Description | 6.0 kg/ sqcm | 8.0 kg/ sqcm | 10.0 kg/ sqcm | 12.5 kg/ sqcm | 16.0 kg/ sqcm |
|-------------------|--|-----------------------------|-----------------------------|--------------------------|------------------------------|------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I | Manufacture, Supply, & Delivery of HDPE Pipes conforming to IS 4984 - 1995 including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. (supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 m.) | | | | | |
| | Rate per Meter | | | | | |
| | OD 20 mm | | | | | 32 |
| | OD 25 mm | | | | | 43 |
| | OD 32 mm | | | 43 | 55 | 70 |
| | OD 40 mm | | 55 | 65 | 83 | 107 |
| | OD 50 mm | 67 | 83 | 101 | 129 | 168 |
| | OD 63 mm | 101 | 128 | 155 | 204 | 259 |
| | OD 75 mm | 143 | 182 | 219 | 291 | 370 |
| | OD 90 mm | 203 | 260 | 311 | 413 | 537 |
| | OD 110 mm | 305 | 387 | 462 | 621 | 775 |
| | OD 125 mm | 389 | 499 | 600 | 796 | 995 |
| | OD 140 mm | 489 | 625 | 752 | 1002 | 1259 |
| | OD 160 mm | 639 | 814 | 979 | 1305 | 1631 |
| | OD 180 mm | 805 | 1030 | 1239 | 1648 | 2055 |
| | OD 200 mm | 995 | 1273 | 1528 | 2040 | 2542 |
| | OD 225 mm | 1284 | 1642 | 1976 | 2574 | 3207 |
| | OD 250 mm | 1580 | 2029 | 2439 | 3178 | 3964 |
| | OD 280 mm | 1980 | 2540 | 3050 | 3994 | 4980 |
| | OD 315 mm | 2510 | 3216 | 3865 | 5036 | 6301 |
| | OD 355 mm | 3151 | 4030 | 4851 | 6405 | 8025 |
| | OD 400 mm | 4147 | 5298 | 6363 | 8293 | 10347 |
| | OD 450 mm | 5154 | 6612 | 7954 | 10485 | 13004 |
| | OD 500 mm | 6375 | 8153 | 9811 | 12949 | 15495 |
| | OD 560 mm | 7422 | 9501 | 11363 | 14552 | |
| | OD 630 mm | 9359 | 12020 | 14395 | 17271 | |

| | | | | | | |
|--|------------|-------|-------|-------|--|--|
| | OD 710 mm | 11903 | 15233 | 18284 | | |
| | OD 800 mm | 15106 | 19340 | 23281 | | |
| | OD 900 mm | 19136 | 24482 | | | |
| | OD 1000 mm | 23598 | | | | |

Note:-

Excise duty, CST / VAT extra as applicable at the time of supply.

Reliance Industries Resin cost adopted for the above rates are

For PE - 100 grade Rs.1,04,600/- per MT. (Excluding CED&ST)

The variation in cost of HDPE pipes due to increase / decrease in raw material cost shall be allowed as per the following price variation formula.

price variation formula as follows:

$P_2 = P_1 + (A_2 - A_1) / 1000 \times M \times 0.95$ (for increase in raw material cost)

$P_2 = P_1 - (A_1 - A_2) / 1000 \times M \times 0.95$ (for decrease in raw material cost)

P_2 = Revised pipe price in Rs. Per Meter excluding CED & ST

P_1 = Existing pipe price in Rs. Per Meter excluding CED & ST

A_2 = Revised price of raw material Rs. Per MT excluding CED & ST

A_1 = Existing price of raw material Rs. Per MT excluding CED & ST

M = Weight of pipe in Kgs per Meter as per weight chart.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

16(II)HDPE PIPES –(PE –100 Grade) SEWER LINES FOR THE YEAR 2015-16

| Sl. No | Description | 6.0 kg/ sqcm | 8.0 kg/ sqcm | 10.0 kg/ sqcm | 12.5 kg/ sqcm | 16.0 kg/ sqcm |
|-------------------|---|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I | Manufacture, Supply, & Delivery of HDPE Pipes conforming to IS 14333 - 2000 for using under ground drainage and sewerage systems including transportation to any where in A.P, excluding excise duty, sale tax and specials etc., complete. (supply upto 90 mm dia in coil & above 90 mm dia straight length in 6 m or 12 m.) | | | | | |
| | Rate per Meter | | | | | |
| | OD 63mm | 111 | 141 | 168 | 200 | 239 |
| | OD 75 mm | 157 | 201 | 239 | 285 | 340 |
| | OD 90 mm | 224 | 286 | 341 | 405 | 490 |
| | OD 110 mm | 323 | 409 | 488 | 585 | 699 |
| | OD 125 mm | 413 | 528 | 632 | 749 | 904 |
| | OD 140 mm | 517 | 658 | 792 | 943 | 1134 |
| | OD 160 mm | 674 | 859 | 1033 | 1200 | 1477 |
| | OD 180 mm | 849 | 1090 | 1306 | 1552 | 1868 |
| | OD 200 mm | 1052 | 1342 | 1610 | 1922 | 2303 |
| | OD 225 mm | 1326 | 1694 | 2038 | 2422 | 2918 |
| | OD 250 mm | 1636 | 2095 | 2514 | 2992 | 3594 |
| | OD 280 mm | 2045 | 2620 | 3134 | 3761 | 4514 |
| | OD 315 mm | 2589 | 3317 | 4041 | 4745 | 5707 |
| | OD 355 mm | 3281 | 4202 | 5056 | 6033 | 7240 |
| | OD 400 mm | 4333 | 5544 | 6657 | 7937 | 9519 |
| | OD 450 mm | 5470 | 7015 | 8431 | 10030 | |
| | OD 500 mm | 6760 | 8648 | 10398 | 12396 | |
| | OD 560 mm | 8452 | 10838 | 13046 | | |
| | OD 630 mm | 10702 | 13719 | 16483 | | |
| | OD 710 mm | 13860 | 17754 | | | |
| | OD 800 mm | 17583 | | | | |
| | OD 900 mm | 22270 | | | | |

| | | | | | |
|--|------------|-------|--|--|--|
| | OD 1000 mm | 27514 | | | |
|--|------------|-------|--|--|--|

Note:-

Excise duty, CST / VAT extra as applicable at the time of supply.

Reliance Industries Resin cost adopted for the above rates are

For PE - 100 grade Rs.1,04,600/- per MT. (Excluding CED&ST)

The variation in cost of HDPE pipes due to increase / decrease in raw material cost shall be allowed as per the following price variation formula.

price variation formula as follows:

$P_2 = P_1 + (A_2 - A_1) / 1000 \times M \times 0.95$ (for increase in raw material cost)

$P_2 = P_1 - (A_1 - A_2) / 1000 \times M \times 0.95$ (for decrease in raw material cost)

P_2 = Revised pipe price in Rs. Per Meter excluding CED & ST

P_1 = Existing pipe price in Rs. Per Meter excluding CED & ST

A_2 = Revised price of raw material Rs. Per MT excluding CED & ST

A_1 = Existing price of raw material Rs. Per MT excluding CED & ST

M = Weight of pipe in Kgs per Meter as per weight chart.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

17(I). S o R FOR H.D.P.E FITTINGS FOR THE YEAR 2015-16.

| | | |
|--------------|---|----------------------|
| | Manufacture, Supply, & Delivery of HDPE fittings conforming to IS 4984 - 1995 including transportation to anywhere in A.P. Excluding excise duty, sale tax and specials etc., complete | |
| I (a) | PIPE ENDS LONG NECK | Rate per Each |
| | OD 50 mm | 79 |
| | OD 63 mm | 100 |
| | OD 75 mm | 120 |
| | OD 90 mm | 155 |
| | OD 110 mm | 215 |
| | OD 125 mm | 386 |
| | OD 140 mm | 390 |
| | OD 160 mm | 544 |
| | OD 180 mm | 771 |
| | OD 200 mm | 991 |
| | OD 225 mm | 1137 |
| | OD 250 mm | 1332 |
| | OD 280 mm | 1488 |
| | OD 315 mm | 1716 |
| | OD 355 mm | 3587 |
| | OD 400 mm | 4781 |
| | OD 450 mm | 7955 |
| | OD 500 mm | 8853 |
| (b) | MS FLANGES | Rate per |
| | | Each |
| | OD 50 mm | 108 |
| | OD 63 mm | 136 |
| | OD 75 mm | 172 |
| | OD 90 mm | 185 |
| | OD 110 mm | 195 |
| | OD 125 mm | 268 |
| | OD 140 mm | 290 |
| | OD 160 mm | 381 |
| | OD 180 mm | 537 |
| | OD 200 mm | 696 |
| | OD 225 mm | 871 |
| | OD 250 mm | 1028 |
| | OD 280 mm | 1166 |
| | OD 315 mm | 1371 |

| | | |
|-----|--------------------------------|----------------------|
| | OD 355 mm | 2322 |
| | OD 400 mm | 2880 |
| | OD 450 mm | 3760 |
| | OD 500 mm | 4305 |
| (c) | END CAPS Each | Rate per |
| | OD 50 mm | 53 |
| | OD 63 mm | 65 |
| | OD 75 mm | 80 |
| | OD 90 mm | 107 |
| | OD 110 mm | 122 |
| | OD 125 mm | 169 |
| | OD 140 mm | 197 |
| | OD 160 mm | 301 |
| | OD 180 mm | 489 |
| | OD 200 mm | 534 |
| | OD 225 mm | 556 |
| | OD 250 mm | 792 |
| | OD 280 mm | 811 |
| | OD 315 mm | 1108 |
| | OD 355 mm | 1710 |
| | OD 400 mm | 2987 |
| | OD 450 mm | 4804 |
| | OD 500 mm | 8853 |
| (d) | REDUCERS | Rate per Each |
| | OD 50 mm x 63 mm | 74 |
| | OD 63 mm x 75 mm | 107 |
| | OD 75 mm x 90 mm | 175 |
| | OD 90 mm x 110 mm | 242 |
| | OD 110 mm x 125 mm | 369 |
| | OD 125 mm x 140 mm | 510 |
| | OD 140 mm x 160 mm | 712 |
| | OD 160 mm x 180 mm | 986 |
| | OD 180 mm x 200 mm | 1274 |
| | OD 200 mm x 225 mm | 1564 |
| | OD 225 mm x 250 mm | 2131 |
| | OD 250 mm x 280 mm | 3028 |
| | OD 280 mm x 315 mm | 4281 |
| | OD 315 mm x 355 mm | 4910 |

| | | |
|-----|-----------------------------|-----------------|
| | OD 355 mm x 400 mm | 6928 |
| | OD 400 mm x 450 mm | 7187 |
| | OD 450 mm x 500 mm | 9215 |
| (e) | TEES Each | Rate per |
| | OD 50 mm | 102 |
| | OD 63 mm | 163 |
| | OD 75 mm | 197 |
| | OD 90 mm | 346 |
| | OD 110 mm | 410 |
| | OD 125 mm | 617 |
| | OD 140 mm | 850 |
| | OD 160 mm | 1464 |
| | OD 180 mm | 1985 |
| | OD 200 mm | 2734 |
| | OD 225 mm | 3882 |
| | OD 250 mm | 5314 |
| | OD 280 mm | 7441 |
| | OD 315 mm | 10606 |
| | OD 355 mm | 15123 |
| | OD 400 mm | 22152 |
| | OD 450 mm | 31465 |
| | OD 500 mm | 43214 |
| (f) | BENDS Each | Rate per |
| | OD 50 mm | 65 |
| | OD 63 mm | 143 |
| | OD 75 mm | 186 |
| | OD 90 mm | 319 |
| | OD 110 mm | 420 |
| | OD 125 mm | 620 |
| | OD 140 mm | 817 |
| | OD 160 mm | 1218 |
| | OD 180 mm | 1748 |
| | OD 200 mm | 2368 |
| | OD 225 mm | 3359 |
| | OD 250 mm | 4604 |
| | OD 280 mm | 6638 |
| | OD 315 mm | 9181 |

| | | |
|-----------|--|------------------|
| | OD 355 mm | 12727 |
| | OD 400 mm | 19197 |
| | OD 450 mm | 28222 |
| | OD 500 mm | 38261 |
| II | Providing and Fixing electro Fusion <u>Ferrule Tapping saddle</u> manufactured from virgin resin of PE-80/PE-100 having blue/black colour using food grade compounded raw material with quality assurance certificate from quality agencies like CIPET etc. For usage in drinking water system and having working pressure of 10 bar. The cost shall include testing of all materials, labour all taxes (central & state), inspection charges, transportation upto site, transit insurance, loading, unloading, stacking, providing and fixing etc. Complete as specified and directed by the Departmental Engineers. | |
| | SIZE | Rate Each |
| | (Main pipe outer diameter in mm & Tapping size in Inches) | |
| | 63x1/2" | 921 |
| | 63 x3/4" | 921 |
| | 63 x1" | 921 |
| | 63 x1/2" | 921 |
| | 75 x1/2" | 921 |
| | 75 x3/4" | 921 |
| | 75 x1 | 921 |
| | 90 x1/2" | 921 |
| | 90 x3/4" | 921 |
| | 90 x1" | 921 |
| | 90 x 1 1/4" | 1195 |
| | 90 x 1 1/2" | 1195 |
| | 90 x2" | 1195 |
| | 110x1/2" | 921 |
| | 110 x3/4" | 921 |
| | 110 x1" | 921 |
| | 110 x 1 1/4" | 1195 |
| | 110x1 1/2" | 1195 |
| | 110x2" | 1195 |
| | 160 x1/2" | 921 |
| | 160 x3/4" | 921 |
| | 160 x1" | 921 |
| | 160 x 1 1/4" | 1306 |
| | 160 x 1 1/2" | 1306 |

| | | |
|--|--------------|------|
| | 160 x 2" | 1306 |
| | 200 x 1/2" | 1300 |
| | 200 x 3/4" | 1300 |
| | 200 x 1" | 1300 |
| | 200 x 1 1/4" | 1880 |
| | 200 x 2" | 1880 |
| | 250 x 1/2" | 1300 |
| | 250 x 3/4" | 1300 |
| | 250 x 1" | 1300 |
| | 250 x 1 1/4" | 1880 |
| | 250 x 1 1/2" | 1880 |
| | 250 x 2" | 1880 |
| | 315 x 1/2" | 1549 |
| | 315 x 3/4" | 1549 |
| | 315 x 1" | 1549 |
| | 315 x 1 1/4" | 2102 |
| | 315 x 1 1/2" | 2102 |
| | 315 x 2" | 2102 |

18. SoR FOR PVC PIPES FOR THE YEAR 2015-16

| Sl. No. | Description | TEST PRESSURE | | | |
|------------|--|----------------------------|----------------------------|--------------------------|---------------------------|
| | | 2.5 Kgs/cm ² | 4.0 Kgs/cm ² | 6 Kgs/cm ² | 10 Kgs/cm ² |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Manufacture, Supply and Delivery of Unplasticised PVCs Pipes for potable water supplies conforming to IS : 4985/2000 (3rd revision) with bell ends (Socket) as per specification in light Grey/Natural Ivory Grey/ Any other Color (except White) inclusive of transportation to the sub-divisional stores anywhere in AP excluding Excise duty and Sales Tax etc. | | | | |
| | DIA IN MM | Rate/Metre | Rs. | Rs. | Rs. |
| | 20 | | | | 16 |
| | 25 | | | | 23 |
| | 32 | | | | 36 |
| | 40 | | | 34 | 55 |
| | 50 | | | 50 | 84 |
| | 63 | | 56 | 81 | 122 |
| | 75 | | 82 | 110 | 176 |
| | 90 | 74 | 111 | 160 | 249 |
| | 110 | 110 | 162 | 231 | 372 |
| | 125 | 145 | 211 | 295 | 485 |
| | 140 | 176 | 264 | 380 | 602 |
| | 160 | 234 | 348 | 492 | 789 |
| | 180 | 295 | 443 | 634 | 1010 |
| | 200 | 374 | 539 | 772 | 1230 |
| | 225 | 482 | 716 | 1034 | 1645 |
| | 250 | 579 | 833 | 1269 | 2002 |
| | 280 | 743 | 1090 | 1603 | 2534 |
| | 315 | 937 | 1380 | 2015 | 3198 |
| | 355 | | 1814 | 2633 | |
| | 400 | | 2288 | 3351 | |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The resin cost adopted for the above rates is Rs.71,214/- per MT(Basic rate, excluding CED)

The variation in cost of PVC pipes due to increase / decrease in raw material cost shall be allowed subject to the following price variation formula.

The price variation formula to be adopted is as follows:

$$P_2 = P_1 + (A_2 - A_1) / 1000 \times M \times 0.95 \text{ (for increase in raw material cost)}$$

$$P_2 = P_1 - (A_1 - A_2) / 1000 \times M \times 0.95 \text{ (for decrease in raw material cost)}$$

P2 = Revised pipe price in Rs. Per Metre, P1 = Existing pipe price in Rs. Per Metre

A2 = Revised price of raw material Rs. Per MT, A1 = Existing price of raw material Rs. Per MT

M = Weight of pipe in Kgs per Meter as per weight chart.

Note: The above formula for calculation of revised cost to be used for preparation of Estimates only

19. SoR FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2015-16

| Code No | Description | |
|----------------|--|------------------------|
| 1 | 2 | 4 |
| | Manufacture, Supply, & Delivery of unplasticized Non-pressure polyvinyl chloride(PVC-U) pipes of dark (any shade of brown) for use in underground drainage & sewerage system conforming to IS 15328/2003) with solvent cement jointing as per specification inclusive of transportation to the sub-divisional stores any where in A.P, excluding Central Excise Duty, Cess, & VAT etc., | SoR For 2015-16 |
| | Rate per Meter | Rs. |
| | Pipe Series (S25) | |
| | OD 160 mm | 292 |
| | OD 200 mm | 445 |
| | OD 250mm | 690 |
| | OD 315 mm | 1088 |
| | Pipe Series (S20) | |
| | OD 125 mm | 227 |
| | OD 160 mm | 362 |
| | OD 200 mm | 550 |
| | OD 250mm | 857 |
| | OD 315 mm | 1345 |
| | Pipe Series (S16.5) | |
| | OD 110 mm | 200 |
| | OD 125 mm | 269 |
| | OD 160 mm | 420 |
| | OD 200 mm | 653 |
| | OD 250mm | 1012 |
| | OD 315 mm | 1599 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The resin cost adopted for the above rates is Rs.71,124/- per MT (Basic rate, excluding CED)

The variation in cost of PVC pipes due to increase / decrease in raw material cost shall be allowed subject to the following price variation formula.

The price variation formula to be adopted is as follows:

$$P_2 = P_1 + (A_2 - A_1) / 1000 \times M \times 0.95 \text{ (for increase in raw material cost)}$$

$$P_2 = P_1 - (A_1 - A_2) / 1000 \times M \times 0.95 \text{ (for decrease in raw material cost)}$$

P2 = Revised pipe price in Rs. Per Metre

P1 = Existing pipe price in Rs. Per Metre

A2 = Revised price of raw material Rs. Per MT

A1 = Existing price of raw material Rs. Per MT

M = Weight of pipe in Kgs per Meter as per weight chart.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

20. SoR FOR NON- PRESSURE P.V.C.U PIPES FOR THE YEAR 2015-16

| Code No | Description | |
|----------------|---|------------------------|
| 1 | 2 | 4 |
| | Manufacture, supply, & delivery of un-plasticized Non-Pressure Polyvinyl Chloride(PVC-U) pipes of dark (any shade of Brown) for use in underground drainage & sewerage system conforming to IS 15328/2003) with Elastomeric Seal Ring Joints (Ringtite PVC Pipes)as per specification inclusive of transportation to the Sub-Divisional stores anywhere in A.P, excluding Central Excise Duty, Cess, & VAT etc., | SoR For 2015-16 |
| | Rate per Meter | Rs. |
| | Pipe Series (S25) | |
| | OD 160 mm | 313 |
| | OD 200 mm | 474 |
| | OD 250mm | 736 |
| | OD 315 mm | 1158 |
| | Pipe Series (S20) | |
| | OD 125 mm | 244 |
| | OD 160 mm | 384 |
| | OD 200 mm | 584 |
| | OD 250mm | 910 |
| | OD 315 mm | 1429 |
| | Pipe Series (S16.5) | |
| | OD 110 mm | 212 |
| | OD 125 mm | 286 |
| | OD 160 mm | 448 |
| | OD 200 mm | 691 |
| | OD 250mm | 1074 |
| | OD 315 mm | 1696 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The resin cost adopted for the above rates is Rs.71,124/- per MT (Basic rate, excluding CED)

The variation in cost of PVC pipes due to increase / decrease in raw material cost shall be allowed subject to the following price variation formula.

The price variation formula to be adopted is as follows:

$$P2 = P1 + (A2 - A1) / 1000 \times M \times 0.95 \text{ (for increase in raw material cost)}$$

$$P2 = P1 - (A1 - A2) / 1000 \times M \times 0.95 \text{ (for decrease in raw material cost)}$$

P2 = Revised pipe price in Rs. Per Metre

P1 = Existing pipe price in Rs. Per Metre

A2 = Revised price of raw material Rs. Per MT

A1 = Existing price of raw material Rs. Per MT

M = Weight of pipe in Kgs per Meter as per weight chart.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

21. SoR FOR CENTRIFUGALLY CAST (SPUN)IRON PRESSURE PIPES

| Sl. No. | Description | Unit | SoR For 2015-16 | | |
|------------|--|-------------|-----------------|--------------|--------------|
| | | | 3 | 4 | 5 |
| I | Socket and Spigot Centrifugally Cast (Spun) Iron pressure pipes for water, Gas and Sewage conforming to specification No: IS 1536/1989 (third revision) with amdt. No: 1 & 2 in standard lengths of 3.66 m, 4 m, 4.5m, 5 m, 5.5 m & 6 m and details given below, suitable either for lead jointing or rubber gasket (push on) jointing at purchasers option at ex-factory excluding transportation, taxes & duties. | | LA Class (Rs) | A Class (Rs) | B Class (Rs) |
| | Nominal dia (in MM) | | | | |
| | 80 | Rmt | 834 | 904 | 972 |
| | 100 | Rmt | 1015 | 1114 | 1191 |
| | 125 | Rmt | 1279 | 1397 | 1503 |
| | 150 | Rmt | 1549 | 1697 | 1829 |
| | 200 | Rmt | 2261 | 2453 | 2656 |
| | 250 | Rmt | 3047 | 3318 | 3590 |
| | 300 | Rmt | 3929 | 4298 | 4655 |
| | 350 | Rmt | 5026 | 5453 | 5915 |
| | 400 | Rmt | 6120 | 6687 | 7217 |
| | 450 | Rmt | 7405 | 8136 | 8775 |
| | 500 | Rmt | 8758 | 9541 | 10322 |
| | 600 | Rmt | 11581 | 12643 | 13693 |
| | 700 | Rmt | 15246 | 16657 | 17997 |
| | 750 | Rmt | 17076 | 18671 | 20253 |
| | 800 | Rmt | 19114 | 20827 | 22530 |
| | 900 | Rmt | 23293 | 29103 | 27538 |
| | 1000 | Rmt | 27985 | 30567 | 33040 |
| II | Conveyance of Centrifugally Cast (Spun) Iron Pressure Pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes. (The Minimum distance/lead in Km for destination below 100 Km to be taken as 100 Km) | | Class | | |
| | SIZE IN MM | UNIT | LA | A | B |
| | 80 | Per KM/RMT | 0.24 | 0.24 | 0.24 |
| | 100 | Per KM/RMT | 0.24 | 0.24 | 0.24 |
| | 125 | Per KM/RMT | 0.36 | 0.36 | 0.36 |

| | | | | | |
|------|------------|--|------|------|------|
| 150 | Per KM/RMT | | 0.36 | 0.36 | 0.36 |
| 200 | Per KM/RMT | | 0.61 | 0.61 | 0.61 |
| 250 | Per KM/RMT | | 0.73 | 0.73 | 0.73 |
| 300 | Per KM/RMT | | 0.97 | 0.97 | 0.97 |
| 350 | Per KM/RMT | | 1.33 | 1.33 | 1.33 |
| 400 | Per KM/RMT | | 1.57 | 1.57 | 1.57 |
| 450 | Per KM/RMT | | 1.82 | 1.82 | 1.82 |
| 500 | Per KM/RMT | | 2.18 | 2.18 | 2.18 |
| 600 | Per KM/RMT | | 2.18 | 2.18 | 2.18 |
| 700 | Per KM/RMT | | 2.18 | 2.18 | 2.18 |
| 750 | Per KM/RMT | | 3.63 | 3.63 | 3.63 |
| 800 | Per KM/RMT | | 6.17 | 6.17 | 6.17 |
| 900 | Per KM/RMT | | 6.17 | 6.17 | 6.17 |
| 1000 | Per KM/RMT | | 6.17 | 6.17 | 6.17 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

Price Variation Formula due to Increase / Decrease in the cost of pig iron.

$$P_2 = P_1 + (R_2 - R_1) / 1000 * M * 1.0$$

Where M= Weight of pipe in kg per metre.

P2 = Revised rate of pipe in Rs. per Rmt.

P1 = Rate of pipe in Rs. per Rmt. as per above table.

R2 = Price of Pig Iron(Rs per MT excluding CED&ST)) at the time of preparation of estimate.

R1 = Price of Pig Iron(Rs per MT excluding CED&ST) at the time of preparation of SSR =Rs. 26,000/-

The above formula for calculation of revised cost to be used for preparation of Estimates only.

22. SoR FOR DUCTILE IRON PRESSURE PIPES FOR THE YEAR 2015-16

| Sl. No. | Description | Unit | SoR For 2015-16 | |
|--------------------|---|-------------|--------------------------------|-----------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Centrifugally cast (Spun) Ductile Iron pressure pipes for water, gas and sewage with <u>Socket Spigot ends</u> conforming to IS.: 8329/2000 in standard working lengths of 4, 5 5.5 & 6 meter for classification K9 & K7 suitable for push-on-joint (rubber gasket d jointing) with cement mortar lining inside the pipes with outside zinc coating. Rates are ex-factory, excluding transportation, taxes & duties. | | | |
| | Nominal Dia in mm | Rmt | K7 | K9 |
| | 100 | Rmt | 891 | 1061 |
| | 150 | Rmt | 1233 | 1568 |
| | 200 | Rmt | 1721 | 2093 |
| | 250 | Rmt | 2307 | 2746 |
| | 300 | Rmt | 2965 | 3479 |
| | 350 | Rmt | 3731 | 4336 |
| | 400 | Rmt | 4528 | 5228 |
| | 450 | Rmt | 5447 | 6256 |
| | 500 | Rmt | 6493 | 7278 |
| | 600 | Rmt | 8640 | 9598 |
| | 700 | Rmt | 11180 | 12408 |
| | 750 | Rmt | 12527 | 13925 |
| | 800 | Rmt | 13843 | 15365 |
| | 900 | Rmt | 16891 | 18741 |
| | 1000 | Rmt | 20020 | 22215 |
| | 1100 | Rmt | | 23723 |
| | 1200 | Rmt | | 27738 |
| 2 | Centrifugally cast (Spun) Ductile Iron pressure pipes for water, gas and sewage with <u>plain ends</u> conforming to IS:8329/2000in standard working lengths of 4, 5, 5.5 & 6 meter for classification K9 & K7 with cement mortar lining inside the pipes with outside zinc coating. Rates are ex-factory, excluding transportation, taxes & duties. | | | |
| | Nominal Dia in mm | | K7 | K9 |
| | 100 | Rmt | 759 | 973 |
| | 150 | Rmt | 1094 | 1429 |
| | 200 | Rmt | 1554 | 1941 |
| | 250 | Rmt | 2022 | 2578 |
| | 300 | Rmt | 2662 | 3261 |
| | 350 | Rmt | 3343 | 4051 |

| | | | | |
|---|---|------|-------------------|-------------------|
| | 400 | Rmt | 4046 | 4884 |
| | 450 | Rmt | 4846 | 5770 |
| | 500 | Rmt | 5769 | 6892 |
| | 600 | Rmt | 7640 | 8891 |
| | 700 | Rmt | 10120 | 11279 |
| | 750 | Rmt | 11320 | 12638 |
| | 800 | Rmt | 12518 | 13953 |
| | 900 | Rmt | 15137 | 16873 |
| | 1000 | Rmt | 17995 | 20058 |
| | 1100 | Rmt | | 21307 |
| | 1200 | Rmt | | 24803 |
| 3 | Centrifugally cast (Spun) Ductile Iron pressure pipes with flanged (welded) ends for water, gas, sewage conforming to IS: 8329/2000 in standard working lengths of 1,2,3, 4, 5 mts for classification K9 with cement mortar lining inside the pipes with outside zinc coating. rates are ex-factory, excluding transportation, taxes & duties. | | | |
| | Nominal Dia in mm | | 1.0 Mt. Length | 2.0 Mt. Length |
| | 100 | Each | 3760 | 4893 |
| | 150 | Each | 5314 | 6961 |
| | 200 | Each | 7028 | 9272 |
| | 250 | Each | 9177 | 12172 |
| | 300 | Each | 11471 | 15254 |
| | 350 | Each | 17971 | 22667 |
| | 400 | Each | 22275 | 27949 |
| | 450 | Each | 26901 | 33596 |
| | 500 | Each | 32583 | 40443 |
| | 600 | Each | 46121 | 56460 |
| | 700 | Each | 55006 | 68123 |
| | 800 | Each | 67811 | 84040 |
| | 900 | Each | 80818 | 100440 |
| | 1000 | Each | 103720 | 127045 |
| | 1100 | Each | 121749 | 147180 |
| | | | 3.0 Mt. Length | 4.0 Mt. Length |
| | 100 | Each | 6023 | 6596 |
| | 150 | Each | 8609 | 9562 |
| | 200 | Each | 11520 | 12966 |
| | 250 | Each | 15167 | 17131 |
| | 300 | Each | 19031 | 21618 |
| | 350 | Each | 27367 | 30000 |
| | 400 | Each | 33625 | 36368 |
| | 450 | Each | 40288 | 43434 |

| | | | | |
|----------|--|--------------|---------------------------|--|
| | 500 | Each | 48305 | 51911 |
| | 600 | Each | 66798 | 71085 |
| | 700 | Each | 81244 | 87051 |
| | 800 | Each | 100264 | 107529 |
| | 900 | Each | 120063 | 129060 |
| | 1000 | Each | 150373 | 159973 |
| | 1100 | Each | 173124 | 204955 |
| | | | 5.0 Mt. Length | |
| | 100 | Each | 7702 | |
| | 150 | Each | 11197 | |
| | 200 | Each | 15211 | |
| | 250 | Each | 20121 | |
| | 300 | Each | 25406 | |
| | 350 | Each | 34697 | |
| | 400 | Each | 42037 | |
| | 450 | Each | 50123 | |
| | 500 | Each | 59759 | |
| | 600 | Each | 81399 | |
| | 700 | Each | 100145 | |
| | 800 | Each | 123724 | |
| | 900 | Each | 153047 | |
| | 1000 | Each | 183254 | |
| | 1100 | Each | 220220 | |
| 4 | Conveyance of Ductile Iron Pressure Pipes and accessories including loading at Factory, un-loading at site and stacking for the following sizes | Class | | WELDED DOUBLE FLANGED PIPES |
| | SIZE IN MM | UNIT | K7 | K9 |
| | 100 | Per KM/RMT | 0.22 | 0.22 |
| | 150 | Per KM/RMT | 0.33 | 0.33 |
| | 200 | Per KM/RMT | 0.33 | 0.44 |
| | 250 | Per KM/RMT | 0.44 | 0.55 |
| | 300 | Per KM/RMT | 0.66 | 0.66 |
| | 350 | Per KM/RMT | 0.77 | 0.88 |
| | 400 | Per KM/RMT | 0.88 | 0.99 |
| | 450 | Per KM/RMT | 1.10 | 1.21 |
| | 500 | Per KM/RMT | 1.32 | 1.43 |
| | 600 | Per KM/RMT | 1.87 | 1.87 |
| | 700 | Per KM/RMT | 2.75 | 2.75 |
| | 750 | Per KM/RMT | 3.30 | 3.30 |
| | 800 | Per KM/RMT | 5.61 | 5.61 |
| | 900 | Per KM/RMT | 5.61 | 5.61 |
| | 1000 | Per KM/RMT | 5.61 | 5.61 |
| | 1100 | Per KM/RMT | 5.61 | - |

| | | | | | |
|----------|--|------------|------|------|--|
| | 1200 | Per KM/RMT | 6.00 | 6.00 | |
| 5 | Supply and Delivery of Polyethylene (PE) Sleeves for Ductile Iron Pipes used to guard the pipe against corrosion. | | | | |
| | DIA IN MM | | | | |
| | 100 MM DIA | | RMT | 41 | |
| | 150 MM DIA | | RMT | 50 | |
| | 200 MM DIA | | RMT | 64 | |
| | 250 MM DIA | | RMT | 74 | |
| | 300 MM DIA | | RMT | 81 | |
| | 350 MM DIA | | RMT | 91 | |
| | 400 MM DIA | | RMT | 127 | |
| | 450 MM DIA | | RMT | 127 | |
| | 500 MM DIA | | RMT | 154 | |
| | 600 MM DIA | | RMT | 154 | |
| | 700 MM DIA | | RMT | 200 | |
| | 750 MM DIA | | RMT | 200 | |
| | 800 MM DIA | | RMT | 200 | |
| | 900 MM DIA | | RMT | 227 | |
| | 1000 MM DIA | | RMT | 227 | |
| | 1100 MM DIA | | RMT | 227 | |
| 6 | Additional price for HAC(high alumina cement motar lining) | | | | |
| | DIA IN MM | | | | |
| | 100 MM DIA | | RMT | 61 | |
| | 150 MM DIA | | RMT | 80 | |
| | 200 MM DIA | | RMT | 98 | |
| | 250 MM DIA | | RMT | 117 | |
| | 300 MM DIA | | RMT | 125 | |
| | 350 MM DIA | | RMT | 143 | |
| | 400 MM DIA | | RMT | 196 | |
| | 450 MM DIA | | RMT | 196 | |
| | 500 MM DIA | | RMT | 242 | |
| | 600 MM DIA | | RMT | 242 | |
| | 700 MM DIA | | RMT | 310 | |
| | 750 MM DIA | | RMT | 310 | |
| | 800 MM DIA | | RMT | 310 | |
| | 900 MM DIA | | RMT | 354 | |
| | 1000 MM DIA | | RMT | 354 | |
| | 1100 MM DIA | | RMT | 354 | |
| | 1200 MM DIA | | RMT | 354 | |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

Price Variation Formula due to Increase / Decrease in the cost of pig iron.

$$P_2 = P_1 + (R_2 - R_1)/1000 * M * 0.96, \text{ Where}$$

M = Weight of pipe in kg per metre as per I.S.8329-2000.

P2 = Revised rate of pipe in Rs. per Rmt.

P1 = Rate of pipe in Rs. per Rmt. as per above table.

R2 = Price of Pig Iron(Rs per MT excluding CED&ST)) at the time of preparation of estimate.

R1 = Price of Pig Iron(Rs per MT excluding CED&ST) at the time of preparation
of SoR =Rs.26,000/-

The above formula for calculation of revised cost to be used for preparation of Estimates only.

23. S o R FOR DUCTILE IRON FITTINGS FOR THE YEAR 2015-16

| Sl. No. | Description | Unit | |
|---|------------------------------------|-------------|--------|
| 1 | 2 | 3 | |
| Centrifugally cast (spun) Ductile Iron Fittings conforming to IS:9523/2000 having dimensions as per table. The rates mentioned here under are for fittings, zinc coated externally with inside mortar lining (with finishing as per class 13/IS 9523/2000) (ex-works) Excluding Transportation, Taxes and Duties etc. | | | |
| I | DI double socket branch flange Tee | | |
| | Upto 500 x 500 mm dia | Kg | 111.00 |
| | Above 500 x 500 mm dia | Kg | 124.00 |
| II | DI All Socket Tees | | |
| | Upto 300 x 300 mm dia | Kg | 111.00 |
| | Above 300 x 300 mm dia | Kg | 124.00 |
| III | DI Double socket Tapers (Reducer) | | |
| | Upto 500 x 450 mm dia | Kg | 111.00 |
| | Above 500 x 450 mm dia | Kg | 124.00 |
| IV | DI Flanged Socket | | |
| | Upto 500 mm dia | Kg | 111.00 |
| | Above 500 mm dia | Kg | 124.00 |
| V | DI Flanged Spigot | | |
| | Upto 500 mm dia | Kg | 111.00 |
| | Above 500 mm dia | Kg | 124.00 |
| VI | DI Double Socket Duck Foot Bend | | |
| | Upto 300mm dia | Kg | 111.00 |
| | Above 300mm dia | Kg | 124.00 |
| VII | DI Double Flange Duck/Foot bend | | |
| | Upto 300 mm dia | Kg | 111.00 |
| | Above 300 mm dia | Kg | 124.00 |
| VIII | DI All socket Cross. | | |
| | Upto 300 x 300 mm dia | Kg | 111.00 |
| | Above 300 x 300 mm dia | Kg | 124.00 |
| IX | DI All Flange Tee | | |
| | Upto 500 x 500 mm dia | Kg | 111.00 |
| | Above 500 x 500 mm dia | Kg | 124.00 |
| X | DI All Flange Cross | | |
| | Upto 300 x 300 mm dia | Kg | 111.00 |
| | Above 300 x 300 mm dia | Kg | 124.00 |

| | | | |
|-------------|--------------------------|----|--------|
| | | | |
| XI | DI Double Flange Reducer | | |
| | Upto 500 x 450 mm dia | Kg | 111.00 |
| | Above 500 x 450 mm dia | Kg | 124.00 |
| | | | |
| XII | Blank Flange | | |
| | Upto 500 mm dia | Kg | 111.00 |
| | Above 500 mm dia | Kg | 124.00 |
| | | | |
| XIII | Mechanical Joints | | |
| | Upto 300 mm dia | Kg | 111.00 |
| | Above 300 mm dia | Kg | 124.00 |
| | | | |
| XIV | DI Double Socket Bends | | |
| | Upto 500mm dia | Kg | 111.00 |
| | Above 500 mm dia | Kg | 124.00 |
| | | | |
| XV | DI Double Flanged Bends | | |
| | Upto 500mm dia | Kg | 111.00 |
| | Above 500 mm dia | Kg | 124.00 |
| | | | |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

24. S o R FOR RUBBER GASKETS SUITABLE FOR C.I/ D.I. S/S PIPES

| Sl. No. | Description | Unit | SoR For 2015-16 |
|--------------------|--|-------------|--------------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Manufacture as per BIS:12820/89 with S.B.R. Quality Rubber confirming to BIS: 5382/85, supply and delivery of Rubber Gaskets suitable for C.I/ D.I S/S pipes anywhere in A.P. F.O.R. Destination departmental stores including cost of material, loading, incidental handling with companies standard packing, transportation, unloading & stacking but excluding central excise duty, sales tax, octroi and other Govt. Levies etc., complete. | | |
| | 80mm dia | Each | 69 |
| | 100mm dia | Each | 108 |
| | 125mm dia | Each | 129 |
| | 150mm dia | Each | 157 |
| | 200mm dia | Each | 191 |
| | 250mm dia | Each | 213 |
| | 300mm dia | Each | 325 |
| | 350mm dia | Each | 411 |
| | 400mm dia | Each | 449 |
| | 450mm dia | Each | 483 |
| | 500mm dia | Each | 670 |
| | 600mm dia | Each | 794 |
| | 700mm dia | Each | 1055 |
| | 750mm dia | Each | 1172 |
| | 800mm dia | Each | 1405 |
| | 900mm dia | Each | 1695 |
| | 1000mm dia | Each | 1855 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

25. S o R FOR CI PIPES AND SPECIALS FOR THE YEAR 2015-16

| Sl. No. | Description | Quality or sort | Rate/ Kg including packing, forwarding, Transit risk and delivery any where in A.P. for the year 2015-16. Rs. |
|--------------------|--|---|--|
| 1 | 2 | 3 | 4 |
| | Manufacture, Supply and Delivery of Cast Iron Pipes and Fittings (spls.) Conforming to IS. No. 7181/1986, 5531/1988, 3950/1979 and C.I.D Joints confirming to is No.8794/1988 at site of work anywhere in A.P. Including, loading, unloading, transportation to site of work stacking at site transit risk and package, excluding taxes and duties. | I.S. No. 7181/1986 5531/1988 3950/1979 & 8794/1988 | 73.70 |

Foot Note: The rate of CI pipes, CI Specials and CID Joints etc., which are to be incorporated in the SSR are based on the following raw materials cost.

Pig Iron: Rs.26,000/- per M.T.(excluding CED, Tax & Fright)

Coke : Rs.36,570/- per M.T. .(Excluding CED, Tax & Fright)

The rates may be revised depending upon the increase/decrease in the cost of raw materials as per the following method. For every increase/decrease of Rs.1000/- in the cost of raw materials or part thereof proportionately.

In respect of Pig Iron: The increase/decrease in cost of CI Specials per Kg is 3.43%.

In respect of coke: The increase/decrease in cost of CI Specials per Kg is 0.67%.

The above price is at site of work , Excise duty, CST/VAT extra as applicable at the time of supply.

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

26. S o R FOR WATER HAMMER CONTROL DEVICES FOR THE YEAR 2015-16
(Rate Each in Rs.)

| Sl. No. | Description | TEST PRESSURE | | | | Additional charges for Flanged ended valves |
|------------|--|---------------------------|---------------------------|---------------------------|---------------------------|--|
| | | 10 Kgs/cm ² | 15 Kgs/cm ² | 20 Kgs/cm ² | 25 Kgs/cm ² | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Manufacture, supply and delivery of zero velocity valve/ PSLV with CI body with flanged ends as per AWWA, ex-factory excluding transportation, central excise duty and sale tax etc., complete. | | | | | |
| | DIA IN MM Rate/Each | Rs. | Rs. | Rs. | Rs. | |
| | 150 | 70275 | 82031 | 86878 | 95568 | |
| | 200 | 73417 | 84428 | 90762 | 99836 | |
| | 250 | 82835 | 95259 | 102404 | 112645 | |
| | 300 | 93220 | 107203 | 115246 | 126768 | |
| 2 | Manufacture, Supply and delivery of zero velocity valve/ PSLV with MS Fabricated Body with Plain ends. as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc. Complete | | | | | |
| | DIA IN MM Rate/ Each | Rs. | Rs. | Rs. | Rs. | Rs. |
| | 350 | 99288 | 114180 | 122744 | 135017 | 8603 |
| | 400 | 109748 | 126209 | 135675 | 149248 | 10373 |
| | 450 | 127645 | 146793 | 157802 | 173583 | 12396 |
| | 500 | 147526 | 169653 | 182378 | 200616 | 13410 |
| | 525/550 | 158460 | 180138 | 198399 | 218238 | 17330 |
| | 600 | 177423 | 204035 | 219338 | 241272 | 24722 |
| | 650 | 198604 | 218467 | 248321 | 268056 | 27957 |
| | 700 | 231497 | 254772 | 289434 | 312583 | 33396 |
| | 750 | 256416 | 282094 | 320552 | 346231 | 37494 |
| | 800 | 312360 | 359217 | 386155 | 424768 | 42251 |
| | 900 | 371260 | 426949 | 450341 | 504868 | 51107 |
| | 1000 | 450341 | 450341 | 450341 | 625798 | 64894 |
| | 1050 | 454844 | 454844 | 454844 | 658915 | 67491 |
| | 1100 | 573755 | 650592 | 709321 | 780255 | 75142 |
| | 1200 | 690565 | 759637 | 865389 | 932309 | 85008 |
| | 1400 | 1035848 | 1139453 | 1298084 | 1398459 | 119543 |
| | 1500 | 1206940 | 1327622 | 1508641 | 1629199 | 121934 |

| | 1600 | 1231078 | 1354172 | 1538815 | 1661780 | 127513 |
|---|--|-----------------------------------|---------|---------|---------|--------|
| 3 | Manufacture, Supply and delivery of Air Cushion valves / Quick Released damped Air Valves (QRDA) as per AWWA, Ex-factory excluding transportation, Central Excise duty and sale tax etc., complete. | | | | | |
| | DIA IN MM Rate/Each | Rs. | Rs. | Rs. | Rs. | |
| | 100 | 64263 | 73904 | 81293 | 89419 | |
| | 150 | 97659 | 112308 | 123538 | 135892 | |
| | 200 | 104237 | 119871 | 131860 | 145045 | |
| 4 | Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work. | 5% on basic cost of valves | | | | |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

27. S o R FOR VALVES CONFORMING TO IS for normal usage 2015-16.

| Sl.No. | Description | TEST PRESSURES | | | |
|------------------|--|-----------------|-----------------|---|---|
| | | 3 | 4 | 5 | 6 |
| 1 | Supply, Delivery of D.I double flanged Sluice Valves conforming to IS- 14846 (with up to date amendments, if any) including gear arrangements for the following dia. as per test pressure having Body, Bonnet, Dome, Stool cover, Wedge, Stuffing box, Gland, Thrust plate, Cap/Hand wheel with D.I; Stem, Body seat ring, Wedge facing ring, Bushes, Bolts, Nuts, Pinion and Pinion shaft with Stainless steel (IS 6603) ; Wedge nut, Shoe, Channel with Leaded Tin Bronze (IS 318); Gasket with Neoprene Rubber; Gland packing with Rubber; Gear, Gear housing with Cast Steel excluding all taxes and transportation, etc. complete. | PN 1.0 (MPa) | PN 1.6 (MPa) | | |
| Rate/Each | | | | | |
| DIA IN MM | | Rs. | Rs. | | |
| 50 | | 10800 | 13500 | | |
| 100 | | 12800 | 16000 | | |
| 150 | | 18800 | 23500 | | |
| 200 | | 24800 | 31000 | | |
| 250 | | 37800 | 47250 | | |
| 300 | | 57800 | 72250 | | |
| 350 | | 71800 | 89750 | | |
| 400 | | 122800 | 153500 | | |
| 450 | | 152800 | 191000 | | |
| 500 | | 191800 | 239750 | | |
| 550 | | 199800 | 249750 | | |
| 600 | | 245800 | 307250 | | |
| 650 | | 272800 | 341000 | | |
| 700 | | 472800 | 591000 | | |
| 750 | | 512800 | 641000 | | |
| 800 | | 612800 | 766000 | | |
| 850 | | 698800 | 873500 | | |
| 900 | | 795800 | 994750 | | |
| 1000 | | 1295800 | 1619750 | | |
| 1100 | | 1495800 | 1869750 | | |
| 1200 | | 1695800 | 2119750 | | |

| | | | | |
|---|---|---------------------|---------------------|---------------------|
| | Supply, Delivery of D.I double flanged short/Long body or Wafer Type pattern Butterfly Valves for the following dia. conforming to IS 13095 (with up to date amendments, if any) manually operated having Body, Disc with D.I; Shaft, Seating ring, internal fastenings with Stainless steel (IS: 6603); External bolting with Carbon steel; Seat with Nitrile or EPDM rubber; excluding transportation and all taxes, complete. | PN 2.5 (MPa) | | |
| 2 | Rate/ Each Rs. | | | |
| | 50 | 12800 | | |
| | 100 | 14800 | | |
| | 150 | 21800 | | |
| | 200 | 39800 | | |
| | 250 | 44800 | | |
| | 300 | 51800 | | |
| | 350 | 62800 | | |
| | 400 | 91800 | | |
| | 450 | 120800 | | |
| | 500 | 172800 | | |
| | 550 | 191800 | | |
| | 600 | 212800 | | |
| | 650 | 245800 | | |
| | 700 | 298800 | | |
| | 750 | 312800 | | |
| | 800 | 335800 | | |
| | 850 | 352800 | | |
| | 900 | 398800 | | |
| | 1000 | 512800 | | |
| | 1100 | 612800 | | |
| | 1200 | 812800 | | |
| 3 | Supply, Delivery of D.I Double Flanged Swing Check type Reflux valves (Non Return Valves) of following dia. conforming to IS-5312 (Pts-1&2) (with amendments up to date, if any) having Body, Cover, Door, Bearing holder with D.I; Hinge pin, Door pin , Door suspension pin with Stainless Steel (IS 6603); Body seat ring , Door face ring, Bearing bushes, Plugs for hinge pin with | PN 1.0 (MPa) | PN 1.6 (MPa) | PN 2.5 (MPa) |

| | | | | |
|---|--|-----------------------------------|-----------------|--|
| | Leaded Tin Bronze (IS 318); Bolts, Nuts with Carbon steel; Gaskets with Rubber; Hinges with Cast steel; excluding transportation and all taxes complete. | | | |
| | | Rate/Each | | |
| | 50 | 9800 | 12250 | |
| | 100 | 13800 | 17250 | |
| | 150 | 19800 | 24750 | |
| | 200 | 26800 | 33500 | |
| | 250 | 36800 | 46000 | |
| | 300 | 56800 | 71000 | |
| | 350 | 67800 | 84750 | |
| | 400 | 81800 | 102250 | |
| | 450 | 105800 | 132250 | |
| | 500 | 174800 | 218500 | |
| | 550 | 192800 | 241000 | |
| | 600 | 232800 | 291000 | |
| 4 | Supply and Delivery of Flanged Resilient Seated C.I Air Relief Valves (Single/Double) of following dia. conforming to IS-14845 (with amendments up to date, if any) having Body, Cover, Valve disc, Stuffing box, Valve guide, Cowl, Gland, Cap, Joint support ring, with C.I; Stem, Bolts, Nuts with Stainless Steel (IS 6603); Stem nut, Body seal ring, Float guide with Leaded tin bronze (IS 318); Gasket with rubber; Gland packing with Jute / Hemp; Float with timber core and Vulcanite Coating; excluding transportation and all taxes complete. | | | |
| | DIA IN MM Rate/Each | PN 1.0 (MPa) | PN 1.6 (MPa) | |
| | 40 | 5800 | 7250 | |
| | 50 | 8800 | 11000 | |
| | 80 | 14800 | 18500 | |
| | 100 | 21800 | 27250 | |
| | 150 | 41800 | 52250 | |
| | 200 | 61800 | 77250 | |
| 5 | Conveyance of valves and accessories including loading at factory and unloading, stacking at site of work. | 5% on basic cost of valves | | |

Note : The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

**28. S o R FOR VALVES FOR HEAVY USUAGEx in WTPs, STPs, Pumphouses,
Pumping Mains & ELSRs.**

| Sl. No. | Description | TEST PRESSURE | | | |
|------------|---|-----------------|-----------------|-----------------|---|
| | | PN 10 | PN 16 | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Supply and delivery of "Resilient Seated Soft Sealing" Gate Valves (Sluice Valves) with Body and Bonnet of Ductile Iron GGG-40/SG-400/15 or GGG-50/SG-500/7 or Equivalent as per IS1865, IS:3896-2 and Wedge fully Rubber Lined with food grade quality grade W270 grade EPDM, Replaceable Spindle Nut without gland packing with 3-O ring protection system on the Shaft and Seals of NBR. The Valves should be Vacuum tight and 100% leak proof with face to face dimensions as BS:5163 Type A/IS:14846. All the valves should be with fusion bonded Electrostatic Powder coating both inside and outside (Min 250 Microns)- RAL 5005 with Pocket Less Straight through body Passage conforming to Design standards of DIN-3202F4/BS:5163 Type A Flange drilling as per IS - 1538 excluding all taxes, duties and transportation | PN 1.0 (MPa) | PN 1.6 (MPa) | PN 2.5 (MPa) | |
| | DIA IN MM | | | | |
| | A) Without By-Pass | | | | |
| | 50 | 6,972 | 6,972 | 15,405 | |
| | 80 | 10,500 | 10,500 | 18,993 | |
| | 100 | 10,800 | 11,779 | 21,534 | |
| | 150 | 16,800 | 18,546 | 35,919 | |
| | 200 | 21,800 | 27,250 | 60,582 | |
| | 250 | 27,800 | 34,750 | 89,985 | |
| | 300 | 51,800 | 64,514 | 1,45,959 | |
| | 350 | 71,800 | 89,750 | 4,27,121 | |
| | 400 | 91,800 | 1,14,750 | 4,34,440 | |
| | B) With By-Pass | | | | |
| | 450 | 1,50,800 | 1,88,500 | | |
| | 500 | 1,92,800 | 2,41,000 | | |
| | 550 | 2,12,800 | 2,66,000 | | |
| | 600 | | | 11,84,278 | |

| | | | | | |
|------------------|---|-----------------|-----------------|-----------------|--|
| | | 2,72,800 | 3,41,000 | | |
| | 650 | 3,12,800 | 3,91,000 | | |
| | 700 | 3,92,800 | 4,91,000 | | |
| 2 | Supply & Delivery of Tamper Proof DI Flanged Single Chamber Air Release Valves with body & cover made of Ductile Iron Grade GGG-40/SG-400/15 or GGG-50/SG-500/7 or Equivalent as per IS1865, IS:3896-2 with Food Grade Epoxy Powder Coating(EP-P) (Min:250 Micron) inside and Outside of Color Blue RAL 5005. All internal parts such as Float, shell, Cove Bolts etc. made of Austenitic alloy steel of SS AISI 304/316 and DN 50 float of and other components with ABS/PTFE/EPDM/NBR and generally conforming to DIN/BIS/AWWA standards (or) combination Flange drilling as per IS - 1538 and exclusive of all taxes and transportation. | PN 1.0 (MPa) | PN 1.6 (MPa) | PN 2.5 (MPa) | |
| DIA IN MM | | | | | |
| | 25 | 3,800 | 4,750 | | |
| | 40 | 6,800 | 8,500 | 48,991 | |
| | 50 | 9,800 | 12,250 | 48,991 | |
| | 80 | 16,800 | 21,000 | 50,794 | |
| | 100 | 21,800 | 27,250 | 68,198 | |
| | 150 | 41,800 | 52,250 | 82,508 | |
| | 200 | 60,489 | 60,489 | 91,962 | |
| | 300 | 98,800 | 1,23,500 | | |
| 3 | Supply delivery of Double Flanged Slant seat Swing Check Valve (NRV) with body and Disc of Ductile Iron GGG-40/SG-400/15 or GGG-50/SG-500/7 or Equivalent as per IS1865, IS:3896-2 with fully encapsulated in Vulcanized EPDM rubber & Fusion bonded Electro Static epoxy powder coating inside and outside color Blue RAL 5005 with Min. Coating thickness of 250 microns. The EPDM rubber & Epoxy rubber & Epoxy powder should conform to W 270 standards (Drinking water application) and face to face dimensions as per EN 558-1 / DIN 3202-F6 / IS 5312 & Flange connections as per IS:1538 excluding all duties, taxes and transportation. | PN 1.0 (MPa) | PN 1.6 (MPa) | PN 2.5 (MPa) | |
| | DIA IN MM | | | | |

| | | | | |
|---|---|-----------------|-----------------|-----------------|
| | a) Without By-Pass | | | |
| | 80 | 12,285 | 13,514 | |
| | 100 | 16,800 | 21,000 | |
| | 150 | 24,800 | 31,000 | |
| | 200 | 29,800 | 37,250 | 1,52,344 |
| | 250 | 39,800 | 49,750 | 1,85,024 |
| | 300 | 49,800 | 62,250 | 2,25,246 |
| | b) With By-Pass | | | |
| | 350 | 71,800 | 89,750 | |
| | 400 | 87,800 | 1,09,750 | |
| | 450 | 97,800 | 1,22,250 | |
| | 500 | 1,35,800 | 1,69,750 | |
| | 550 | 1,65,800 | 2,07,250 | |
| | 600 | 1,98,800 | 2,48,500 | |
| 4 | Manufacture, Supply and delivery of DI D/F Tilting disc Swing Check Valves Slanted seated with maximum swing of 59 degree with metallic, corrosion proof and wear resistant seat faces, Body and Disc of ductile cast iron GGG-40/SG-400/15 or GGG-50/SG-500/7 or Equivalent as per IS1865, IS:3896-2 Shafts of stainless steel, shaft bearing of zinc free bronze and Integral body seat face & disc face with nickel-chromium overlay welding and micro finished. All the inside and outside of the body is to be coated with double coating of food grade epoxy liquid lacquer (EP-F) with minimum thickness of 150 microns, color: RAL 5005 Blue face to face dimensions according to EN 558-1/14/DIN 3202-F4, Flange dimensions according to EN1092-2/IS 1538 | PN 1.0 (MPa) | PN 1.6 (MPa) | PN 2.5 (MPa) |
| | DIA IN MM | | | |
| | a) Without By-Pass | | | |
| | 80 | 10,800 | 13,500 | 21,600 |
| | 100 | 14,800 | 18,500 | 29,600 |
| | 150 | 19,800 | 24,750 | 39,600 |
| | 200 | 24,800 | 31,000 | 49,600 |

| | | | | | |
|----------|---|-----------------|-----------------|-----------------|-----------------|
| | 250 | 35,800 | 44,750 | 71,600 | |
| | 300 | 51,800 | 64,750 | 1,03,600 | |
| | b) With By-Pass | | | | |
| | 350 | 61,800 | 77,250 | 1,23,600 | |
| | 400 | 94,800 | 1,18,500 | 1,89,600 | |
| | 450 | 1,22,800 | 1,53,500 | 2,45,600 | |
| | 500 | 1,35,800 | 1,69,750 | 2,71,600 | |
| | 550 | 1,52,800 | 1,91,000 | 3,05,600 | |
| | 600 | 1,87,800 | 2,34,750 | 3,75,600 | |
| | 650 | 2,25,800 | 2,82,250 | 4,51,600 | |
| | 700 | 2,75,800 | 3,43,200 | 5,51,600 | |
| | 750 | 2,98,800 | 3,73,500 | 5,97,600 | |
| | 800 | 3,35,800 | 4,19,750 | 6,71,600 | |
| | 850 | 3,52,800 | 4,41,000 | 7,05,600 | |
| | 900 | 3,98,800 | 4,98,500 | 7,97,600 | |
| | 1000 | 4,98,800 | 6,23,500 | 9,97,600 | |
| | 1100 | 7,73,500 | 8,50,850 | | |
| | 1200 | 10,00,000 | 11,00,000 | | |
| | | | | | |
| | | | | | |
| 5 | Manufacture, Supply and delivery of DI D/F Butterfly Valves, Body and disc of Ductile Iron of grade GGG-40/SG-400/15 or GGG-50/SG-500/7 or Equivalent as per IS1865, IS:3896-2 Double eccentrically designed Disc., with renewable soft seal on the disc and Integral Body seat face of nickel-chromium overlay welding (Fusion Bonded) micro finished, 100 % leak tight in both directions, Medium free bearings and with minimum thickness of 250 microns Fusion bonded food grade epoxy coating and 1200mm dia and above food grade liquid Epoxy coating of minimum 150 microns applied on both body and disc inside and outside. Face to face dimensions as per EN558-1/IS 13095 body or IS: 13095 long body design standard as per EN 593/IS 5163 | PN 1.0 (MPa) | PN 1.6 (MPa) | PN 2.5 (MPa) | PN 4.0 (MPa) |

| | | | | | |
|--|---|-----------|-----------|-----------|----------|
| | Flange drilling as per EN 1092-2/ IS 1538 the Valve should be suitable for buried application. | | | | |
| | DIA IN MM | | | | |
| | 150 | 17,800 | 22,250 | 35,600 | 1,33,162 |
| | 200 | 24,800 | 31,000 | 49,600 | 1,61,916 |
| | 250 | 34,800 | 43,500 | 69,600 | 2,26,892 |
| | 300 | 42,800 | 53,500 | 85,600 | 2,38,244 |
| | 350 | 59,800 | 74,750 | 1,19,600 | 2,59,305 |
| | 400 | 79,800 | 99,750 | 1,59,600 | 3,96,438 |
| | 450 | 89,800 | 1,12,250 | 1,79,600 | |
| | 500 | 1,15,800 | 1,44,750 | 2,31,600 | 4,89,889 |
| | 550 | 1,35,800 | 1,69,750 | 2,71,600 | |
| | 600 | 1,52,800 | 1,91,000 | 3,05,600 | 5,36,789 |
| | 650 | 1,72,800 | 2,16,000 | 3,45,600 | |
| | 700 | 1,98,800 | 2,48,500 | 3,97,600 | |
| | 750 | 2,25,800 | 2,82,250 | 4,51,600 | |
| | 800 | 2,53,800 | 3,17,250 | 5,07,600 | |
| | 850 | 2,72,800 | 3,41,000 | 5,45,600 | |
| | 900 | 2,98,800 | 3,73,500 | 5,97,600 | |
| | 1000 | 4,12,800 | 5,16,000 | 8,25,600 | |
| | 1100 | 6,12,800 | 7,66,000 | 12,25,600 | |
| | 1200 | 7,12,800 | 8,91,000 | 14,25,600 | |
| | 1300 | 9,12,800 | 11,41,000 | 18,25,600 | |
| | 1400 | 9,98,800 | 12,48,500 | 19,97,600 | |
| | 1500 | 12,53,800 | 15,67,250 | 25,07,600 | |
| | 1600 | 12,42,800 | 15,53,500 | 24,85,600 | |
| | 1700 | 17,52,800 | 21,91,000 | 35,05,600 | |

| | | | | | |
|--|-------------|-----------|-----------|-----------|--|
| | 1800 | 19,23,800 | 24,04,750 | 38,47,600 | |
| | 1900 | 21,81,800 | 27,27,250 | 43,63,600 | |
| | 2000 | 23,15,800 | 28,94,750 | 46,31,600 | |
| | 2100 | 24,20,800 | 30,26,000 | 48,41,600 | |
| | 2200 | 25,80,800 | 32,26,000 | 51,61,600 | |

NOTE:-All the prices are ex-go down /ex-factory. Excise duty and CST /Local Tax Extra as applicable at the time of supply. Packaging and Transportation extra at 5% on basic cost. The duties and taxes as applicable may be added as per rules at the time of preparation of estimate. The grade of DI & conformation to specifications shall be certified by a third party Quality Control Agency approved by indenting authority at the cost of supplier.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

29. S o R FOR SFRC MAN-HOLE FRAME WITH COVERS FOR THE YEAR 2015-16.

| Sl.No. | Description | Unit | S o R for 2015-16 |
|--------|--|------|-------------------------|
| 1 | 2 | 3 | 4 |
| I | Manufacture as per BIS:12592 (Part 1&2) Supply & Delivery of manhole covers and frames with ISI marking anywhere in A.P., F.O.R. destination including, loading, unloading & stacking at site but excluding central excise duty, sales tax, octroi and other Govt levies etc., as applicable. <u>I.S.I Mark</u> | | Rs. |
| a) | M.D. -10 with 500mm diaclear opening | Each | 1543 |
| b) | H.D.-20 with 500mm diaclear opening | Each | 1989 |
| C) | H.D.-10with 560mm dia clear opening(New item) | Each | 1560 |
| d) | H.D.-20 with 560mm diaclear opening | Each | 2133 |
| e) | H.D.-35 with 560mm diaclear opening. | Each | 2286 |
| f) | 24x24 MD 10 | Each | 1682 |
| g) | 24x18 MD 10 | Each | 1548 |
| h) | 24x24 HD 20 | Each | 1890 |
| i) | 24x18 HD 20 | Each | 1927 |
| j) | Deviders 0.9 mtr. | Each | 3957 |
| | | | |
| II | Manufacture as per company's standard specification supply and delivery of encapsulated plastic steps for man holes anywhere in A.P. including cost of materials packing as per company's standards, loading, transportation, unloading and stacking at site of work etc, complete but excluding taxes such as sales tax, C.E.D and others etc., as applicable. | Each | 166 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

30. S o R FOR CI and M.S. DISMANTLING JOINTS FOR THE YEAR 2015-16

| Sl.No. | Description | Unit | S o R for 2015-16 |
|---------------|---|-------------|----------------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Manufacture, Supply and Delivery of C.I Dismantling Joints with both side flange end suitable for installation in between flange end pipes. These rates are excluding Excise duty, Taxes and transportation charges etc., complete. | | Rs. |
| | Nominal Dia. In MM | | |
| | 50 | Each | 4826 |
| | 80 | Each | 5282 |
| | 100 | Each | 6900 |
| | 125 | Each | 8800 |
| | 150 | Each | 9777 |
| | 200 | Each | 13864 |
| | 250 | Each | 16504 |
| | 300 | Each | 26409 |
| 2 | Manufacture, Supply and Delivery of M.S. Dismantling Joints with both side flange end suitable for installation in between flange end pipes. Thickness as per IS: 7322. These rates are excluding Excise duty, Taxes and transportation charges etc., complete | | |
| | Nominal Dia. In MM | | |
| | 350 | Each | 59,785 |
| | 400 | Each | 68,507 |
| | 450 | Each | 74,325 |
| | 500 | Each | 88,959 |
| | 600 | Each | 1,03,515 |
| | 700 | Each | 1,15,161 |
| | 750 | Each | 1,18,075 |
| | 800 | Each | 1,41,365 |
| | 900 | Each | 1,47,482 |
| | 1000 | Each | 1,76,660 |
| | 1100 | Each | 1,91,245 |
| | 1200 | Each | 2,20,420 |
| | 1300 | Each | 2,49,592 |
| | 1400 | Each | 2,79,334 |
| | 1600 | Each | 3,08,566 |
| | 1800 | Each | 3,65,405 |
| | 2000 | Each | 4,54,730 |
| 3 | Conveyance of joints and accessories including loading at factory and unloading, stacking at site of work. | | 5% on basic cost |
| Note: | The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate. | | |

31. OTHER ITEMS FOR THE YEAR 2015-16

| Sl. No. | Description | Unit | S o R for 2015-16 |
|--------------------|--|-------------|----------------------------------|
| 1 | 2 | 3 | 4 |
| 1 | SUPPLY AND DELIVERY OF PIG LEAD 99.99 % PURE INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. | Per Kg | 319 |
| 2 | SUPPLY AND DELIVERY OF LEAD WOOL BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. | Per Kg | 168 |
| 3 | SUPPLY AND DELIVERY OF SPUN YARN OF BEST QUALITY INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. | Per Kg | 128 |
| 4 | SUPPLY AND DELIVERY OF RUBBER PACKING INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. | | |
| | a) 3 mm thick | Per Kg | 103 |
| | b) 6 mm thick | Per Kg | 103 |
| 5 | SUPPLY AND DELIVERY OF BOLTS AND NUTS WITH DOUBLE WASHERS INCLUDING TAXES AND CONVEYANCE ETC., COMPLETE. (1/2" TO 1") | Per Kg | 123 |

**32. S o R FOR RUBBER RINGS SUITABLE FOR
SWG PIPES FOR THE YEAR 2015-16**

| Sl. No. | Description | Unit | SoR For 2015-16 |
|--------------------|--|-------------|--------------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Manufacture Supply of Rubber Rings made with EPDM Rubber Rings (seals according to EN681 AND ASTM 425) suitable for SWG pipes confirming to IS No.651/1992 anywhere in A.P , For including cost of materials, loading, unloading , handling with company standard packing , transportation, unloading and stacking but excluding central excise duty and other taxes etc complete. The Rubber Rings shall be tested at the factory premises confirming to I.S No.651/1992 | | |
| | 100 mm dia | Each | 53 |
| | 150 mm dia | Each | 80 |
| | 200 mm dia | Each | 120 |
| | 230 mm dia | Each | 146 |
| | 250 mm dia | Each | 186 |
| | 300 mm dia | Each | 213 |
| | 350 mm dia | Each | 253 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.

**33. S o R FOR TRENCH LESS TECHNOLOGY WITH PIPE JACKING METHOD FOR THE
YEAR 2015-16**

| Sl. No. | Description | Unit | SoR For 2015-16 |
|--------------------|--|-------------|--------------------------------|
| 1 | 2 | 3 | 4 |
| 1 | Railway crossing/Road crossing/Canal crossing by adopting trenchless technology tunneling work through specialized pipe jacking method by erecting the equipment to true to the alignment and gradient, by hydraulic pipe jacking technique complete including tunneling, excavation in all types of soils including hard rock and construction of RCC chambers suitable to casing pipe pits, and conveyance charges of machinery and other required materials but excluding cost of encasing pipe, in co-ordination with the concerned authorities as per approved drawings and directed by the Engineer-in – Charge. | | |
| | 800 mm dia | Rmt | 26000 |
| | 900 mm dia | Rmt | 27300 |
| | 1000 mm dia | Rmt | 28600 |
| | 1100 mm dia | Rmt | 29900 |
| | 1200 mm dia | Rmt | 31200 |
| | 1300 mm dia | Rmt | 32500 |
| | 1400mm dia | Rmt | 35100 |
| | 1500 mm dia | Rmt | 39000 |

Note: The duties and taxes as applicable shall be added as per rules at the time of preparation of estimate.

The above formula for calculation of revised cost to be used for preparation of Estimates only.