



Government of Andhra Pradesh

**COMMON SCHEDULE OF
RATES AS PER
A.P. REVISED STANDARD
DATA FOR THE YEAR 2022-23
(Effective from 1st June, 2022)**

BOARD OF CHIEF ENGINEERS

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**Office of the Engineer-in-Chief (A.W/I.W)
Water Resources Dept, Vijayawada.**

Procs.No.ENC/IW/P&M/EE.1/DEE-3/AEE (N)/ SoR 2022-23/Vol.1 dt: .07.2022

Sub: Schedule of Rates for the year 2022-23 with basic rates (excluding GST) (as per A.P.Revised Standard Data) -Part-I(Water Resources Dept. Works), Part-2(Road & Bridge Works) and Part-4 (Public Health Works) 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. 146/T4/SoR 2022-23 dt: 27.06.2022.
 3. ENC(R&B), Admn & NDB Lr.No.SoR-II/ ENC/ DEC(R)/ EE (TEC)/ DEE 6/AEE2 /2022 dt: 02.06.2022.
 4. Commissioner of Labour, Andhra Pradesh, Vijayawada vide Proceedings no.G / 723 /2022 dt.01.04.2022 under Minimum Wages Act, 1948.
 5. T.O. Lr. No. ENC/ IW/SE (P&M)/ EE.I/ DEE.3/ AEE (N)/ SoR 2022-23/ Vol.I dt. 26.07.2022
 6. ENC (PH) Lr.No. 146/T4/SoR 2022-23 dt:28.07.2022.
 7. ENC (R&B),Admin Lr.No.SoR-II/ENC/DCE(R)/ EE(TEC)/ DEE6 /AEE2 /2022 dt: 27. 07.2022.
 8. C.E Buildings Vijayawada Lr No.20938/SOR/DCE(B)/EE(B)/DEE(B)/AEE/2022 Dt.20.07.2022.

The Government have approved A.P.Revised Standard Data vide ref 1st cited. The Schedule of Rates with basic rates(excluding GST) as per the A.P.Revised Standard Data for the year 2022-23 is approved based on the following:

The ENC(R&B) vide ref. 3rd cited has furnished the draft basic rates exclusive of GST for Roads & Bridge items for the year 2022-23.

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

For Water Resources Department work items, the Regional Superintending Engineers: SE, IC, Dowlaiswaram, SE, IC, Chittoor and SE, IC, Vijayawada have submitted the draft basic rates of materials. The SE, IC, Guntur has furnished draft rates for Mechanical and Workshop items. Accordingly, the draft rates for Water Resources Department are prepared.

The labour wages are finalized based on the rates as recommended by Regional Superintending Engineers duly keeping in view of the minimum wages as declared by the Commissioner, Labour Department vide ref 4th cited.

Based on the above proposals, the draft Schedule of Rates for the part-I (WR items), Part-II(Roads & Bridge items) & Part-IV(PH items) are prepared for the SoR year 2022-23 and placed before the annual Board of Chief Engineers(BoCEs) meeting for approval. The BoCEs has reviewed and finalized the rates of above three parts during the annual SoR virtual meeting held on 03.06.2022 in the conference hall of Engineer-in-Chief (A.W/I.W), Vijayawada and by meeting held on 28.06.2022.

The minutes containing the recommendations of the BoCEs, vide reference 5th cited, are communicated to ENC(R&B) and ENC (PH) for updating the draft rates.

Based on the minutes of meeting, the ENC (PH) and ENC(R&B), Admin have furnished, vide references 6th and 7th cited above, the final copies of PART-II and PART-IV respectively for incorporating into SoR-2022-23. Chief Engineer Buildings, Vijayawada has also submitted the Part-III (Buildings) for SOR 2022-23 vide reference 8th cited.

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

The approved basic rates (excluding GST) are applicable to the data i.e., A.P.Revised Standard Data approved by the Government vide G.O.1st cited.

For Roads & Bridge Works, the rates can be applied for MoRTH data as approved in the G.O. Ms. No. 2, Transport, Roads and Buildings (R-I) Dept., dt: 12.01.2015.

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.

An unique CFMS code for each material is introduced in SoR 2022-23 for the sake of user convenience.

No other items other than the items communicated now by this Office shall be introduced in the SoR 2022-23.

The Heads of Department and Officers mentioned below are authorized to print the Schedule of Rates for the year 2022-23. Unauthorized printing & selling of the SoR is strictly prohibited.

Any discrepancies found (or) corrections required in SoR 2022-23 may be brought to the notice of undersigned for issuing corrections.

The revised rates will come into force with effect from 1st June of 2022.

The receipt of the proceedings may be acknowledged in the 1st instance.

**Encl: SoR 2022-23 containing Part-I (Water Resources Dept. works),
Part-II (Roads & Bridge works),
Part-III (Buildings) and Part-IV (Public Health Items).**

**Engineer-in-Chief (A.W/ I.W)
Chairman, BOCE (SoR)
Water Resources Department**

- I. Copy submitted to the Secretary to Govt., WR Dept., 4th Block, A.P.Secretariat Buildings, Velagapudi, Amaravathi.
- II. Copy communicated to the following Heads of Departments along with enclosures for information.
 1. Engineer-in-Chief (Admn), Roads & Buildings Department.
 2. Engineer-in-Chief, Public Health Department.
 3. Engineer-in-Chief, Panchayath Raj Department.
 4. Engineer-in-Chief, RWS, Department.
 5. Chief Engineer (Buildings & RWS), R&B Department.
- III. Copy of Scheduled of Rates 2022-23 with basic rates & 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, Dowlaiswaram and Chittoor of Water Resources Department for taking necessary action
- IV. Copy to DEE (Computers), ENC(AW) for uploading the approved SoR-2022-23 (part-I, Part-II, Part-III & Part-IV) on the Water Resources Department website and to communicate this proceedings to all the members of the Board of Chief Engineers through E-mail.

**Engineer-in-Chief (A.W/I.W)
Chairman, BOCE (SoR)
Water Resources Department.**

**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.
- 3)** 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 /estimate due to adoption of the software package lies entirely on the concerned estimate sanctioning authority only.
- 4)** Any discrepancies / corrections required for improper basic input data appearing in the approved data of Water Resources work items in the software package and hard copy of SoR & Standard data (part-1) may be brought to the notice of undersigned for issuing corrections.

**Engineer-in-Chief (A.W/I.W)
Chairman, BOCE(SoR)
Water Resources Department**

Index – WR Items (Part-I)

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PREAMBLE

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 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).
- (iii) 40% extra over the rates on labour component of works for Amaravati Capital City area(217 sq.km) as declared by the Govt.vide G.O.Ms.No.141,MA&UD (M2)Dept., dt:09.06.2015(This is introduced as per the Govt instructions issued in Govt.memo.No.668755/Reforms/2017 d:14.07.2017).
- 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, Kapilatheerthm, 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, Ibrahimpattanam, Vuyyuru, Jaggaiahpetta in Krishna District, Macherla, Gurajala, Challapalli in Guntur District Garividi in Vijayanagaram District, Renigunta in Chittoor District and Yerraguntla &

Mangampet in Kadapa District, Hindupur, Tadipatri, Anantapur, Guntakal, Rayalcheruvu, Yadiki of Anantapur District and Adoni, Dhone, 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 ½ 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.

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 | .... | 75% extra |
| 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.11 (Industries and Commerce Dept.) dt: 11.02.2020. In case of revision, the revised rates as fixed by Mines and Geology Department have to be adopted.

LABOUR RATES

LABOUR RATES

| SI No. | CFMS CODE | CATEGORY OF WORKER | S. Rate for 2022-23 |
|---------------|------------------|--|----------------------------|
| 1 | 2 | 3 | 4 |
| I. | | SKILLED CATEGORY: | |
| 1 | LAB-00001 | Bar bender | 750 |
| 2 | LAB-00002 | Black smith / Tin smith / Rivetor | 590 |
| 3 | LAB-00003 | Blaster | 690 |
| 4 | LAB-00004 | Carpenter CI- I | 705 |
| 5 | LAB-00005 | Electrician (Licensed) | 700 |
| 6 | LAB-00006 | Fitter CI- I | 660 |
| 7 | LAB-00007 | Floor Polisher / Tile Layer | 590 |
| 8 | LAB-00008 | Foreman | 690 |
| 9 | LAB-00009 | Gauge reader | 585 |
| 10 | LAB-00010 | Maistry / Work Inspector with Non-technical Qualification SSLC/SSC/HSC | 685 |
| 11 | LAB-00011 | Mason CI- I / Brick layer CI- I | 630 |
| 12 | LAB-00012 | Mechanic CI- I | 635 |
| 13 | LAB-00013 | Operator Air compressor / DG set | 615 |
| 14 | LAB-00014 | Operator Batching plant | 700 |
| 15 | LAB-00015 | Operator Bus/Ambulance/ Lorry/ Tanker | 675 |
| 16 | LAB-00016 | Operator Concrete / Asphalt mixer | 615 |
| 17 | LAB-00017 | Operator Concrete / Asphalt paver | 615 |
| 18 | LAB-00018 | Operator Concrete pump / Placer/ ice plant | 615 |
| 19 | LAB-00019 | Operator Core drilling machine | 690 |
| 20 | LAB-00020 | Operator Crane/ Tower crane/ Cable way | 690 |
| 21 | LAB-00021 | Operator Drilling jumbo / Loco / Winch | 615 |
| 22 | LAB-00022 | Operator Grouting/ Guniting/ Shotcreting | 615 |
| 23 | LAB-00023 | Operator Jackhammer/Pneumatic tamper | 615 |
| 24 | LAB-00024 | Operator Pump / Ventilation fan | 615 |
| 25 | LAB-00025 | Operator Lathe/Drilling/Shearing machine | 690 |
| 26 | LAB-00026 | Operator Bending / Planing machine | 615 |

| | | | |
|----|-----------|----------------------|-----|
| 27 | LAB-00027 | Operator Road roller | 635 |
|----|-----------|----------------------|-----|

| SI No. | CFMS CODE | CATEGORY OF WORKER | S. Rate for 2022-23 |
|------------|-----------|---|---------------------|
| 1 | 2 | 3 | 4 |
| 28 | LAB-00028 | Operator Shovel / Scraper / Dozer | 690 |
| 29 | LAB-00029 | Operator Spillway / Sluice gate | 615 |
| 30 | LAB-00030 | Operator Crusher / Conveyor / Mucker | 615 |
| 31 | LAB-00031 | Operator Tipper / Dumper / Transit mixer | 690 |
| 32 | LAB-00032 | Operator Concrete vibrator | 615 |
| 33 | LAB-00033 | Operator Vibratory plain / pad foot roller | 615 |
| 34 | LAB-00034 | Operator Wagon drill / Drifter | 690 |
| 35 | LAB-00035 | Painter CI- I | 705 |
| 36 | LAB-00036 | Plumber / Pipe fitter | 705 |
| 37 | LAB-00037 | Sarang / Khalasi | 615 |
| 38 | LAB-00038 | Spun pipe moulder | 615 |
| 39 | LAB-00039 | Stone chiseller CI- I / Stone cutter CI- I | 620 |
| 40 | LAB-00040 | Struct. steel Fabricator / Marker / Erector | 750 |
| 41 | LAB-00041 | Welder / Gas Cutter | 615 |
| 42 | LAB-00042 | Welder (X-ray quality) | 690 |
| II. | | SEMI SKILLED CATEGORY: | |
| 1 | LAB-00057 | Asphalt Sprayer / Boiler attendant | 565 |
| 2 | LAB-00058 | Bhisti | 565 |
| 3 | LAB-00059 | Boatman with boat | 565 |
| 4 | LAB-00060 | Carpenter CI- II / Erector shuttering | 565 |
| 5 | LAB-00061 | Cartman with double bullock cart | 630 |
| 6 | LAB-00062 | Cartman with single bullock cart | 590 |
| 7 | LAB-00063 | Chavali / Navagani | 565 |
| 8 | LAB-00064 | Crowbarman / Jumper man | 565 |
| 9 | LAB-00065 | Fitter CI- II | 565 |
| 10 | LAB-00066 | Gang man / Head / Survey mazdoor | 565 |
| 11 | LAB-00067 | Gardener / Trained mali | 565 |
| 12 | LAB-00068 | Air compressor / DG set | 565 |
| 13 | LAB-00069 | Helper Batching plant | 565 |

| | | | |
|----|-----------|-----------------|------------|
| 14 | LAB-00070 | Helper Blasting | 565 |
|----|-----------|-----------------|------------|

| SI No. | CFMS CODE | CATEGORY OF WORKER | S. Rate for 2022-23 |
|---------------|------------------|---|----------------------------|
| 1 | 2 | 3 | 4 |
| 15 | LAB-00071 | Helper Bus/ Ambulance/ Lorry/ Tanker | 565 |
| 16 | LAB-00072 | Helper Bending/Shearing/Planing machine | 565 |
| 17 | LAB-00073 | Helper Carpenter | 565 |
| 18 | LAB-00074 | Helper Concrete / Asphalt mixer | 565 |
| 19 | LAB-00075 | Helper Concrete / Asphalt paver | 565 |
| 20 | LAB-00076 | Helper Core drilling machine | 565 |
| 21 | LAB-00077 | Helper Crane/ Tower crane/ Cable way | 565 |
| 22 | LAB-00078 | Helper Drilling jumbo / Loco / Winch | 565 |
| 23 | LAB-00079 | Helper Fitter / Fabrication/Electrician | 565 |
| 24 | LAB-00080 | Helper Grouting/ Guniting/ Shotcreting | 565 |
| 25 | LAB-00081 | Helper Jack hammer / Pneumatic tamper | 565 |
| 26 | LAB-00082 | Helper Laboratory / Instrumentation | 565 |
| 27 | LAB-00083 | Helper Road roller | 565 |
| 28 | LAB-00084 | Helper Shovel / Scraper / Dozer | 565 |
| 29 | LAB-00085 | Helper Crusher / Conveyor / Mucker | 565 |
| 30 | LAB-00086 | Helper Tipper / Dumper/ Transit mixer | 565 |
| 31 | LAB-00087 | Helper Vibrator | 565 |
| 32 | LAB-00088 | Helper Vibratory plain/ pad foot roller | 565 |
| 33 | LAB-00089 | Helper Wagon drill/ Drifter | 565 |
| 34 | LAB-00090 | Lineman Electric / Telephone | 565 |
| 35 | LAB-00091 | Mason CI- II / Brick layer CI-II | 565 |
| 36 | LAB-00092 | Mechanic CI- II | 565 |
| 37 | LAB-00093 | Painter CI- II | 565 |
| 38 | LAB-00094 | Patkari / Neeraganti / Sowdy | 565 |
| 39 | LAB-00095 | Stone Chiseller CI- II | 565 |
| 40 | LAB-00096 | Stone breaker / Hammer man | 565 |
| 41 | LAB-00097 | Valve man / Canal sluice operator | 565 |
| III. | | UN-SKILLED CATEGORY: | |
| 1 | LAB-00118 | Cement / Asphalt handling mazdoor | 525 |
| 2 | LAB-00119 | Civic worker | 525 |
| 3 | LAB-00120 | Man mazdoor | 525 |

| SI No. | CFMS CODE | CATEGORY OF WORKER | S. Rate for 2022-23 |
|------------|-----------|--|---------------------|
| 1 | 2 | 3 | 4 |
| 4 | LAB-00121 | Woman mazdoor | 525 |
| 5 | LAB-00122 | Watchman | 525 |
| IV. | | OTHER CATEGORY: | |
| 1 | LAB-00124 | Care-taker / conductor / Lift Attender | 565 |
| 2 | LAB-00125 | Cook / Mess man | 565 |
| 3 | LAB-00126 | Dhobi | 565 |
| 4 | LAB-00127 | Diploma Engineer / Surveyor | 975 |
| 5 | LAB-00128 | Diver with headgear | 720 |
| 6 | LAB-00129 | Graduate / Laboratory Assistant | 720 |
| 7 | LAB-00130 | Graduate Engineer/ Geologist | 1,255 |
| 8 | LAB-00131 | Horticulture Assistant / Photographer | 580 |
| 9 | LAB-00132 | ITI certificate holder / Tracer / Printer | 705 |
| 10 | LAB-00133 | Literate mazdoor | 540 |
| 11 | LAB-00134 | Stenographer / Computer Operator | 770 |
| 12 | LAB-00135 | Telephone / Wireless Operator | 690 |
| 13 | LAB-00136 | Typist / Job Typist | 690 |
| 14 | LAB-00137 | CAD operator with Diploma in Engineering/General degree with CAD certificate | 975 |
| 15 | LAB-00138 | Jeep Driver | 685 |
| 16 | LAB-00139 | Data Processing Operator | 940 |

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 RESOURCES WORK ITEMS

**STATEMENT OF RATES FOR MATERIALS
FOR THE YEAR:2022-23
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 are **exclusive of GST**, 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.
6. Unless otherwise specified the rate of materials are inclusive of loading charges.

| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
|--------|-----------|---|-------|---------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | MAT-00001 | Acetylene gas | cum | 370 |
| 2 | MAT-00002 | Asphalt 80/100 Grade | Kg | 47 |
| 3 | MAT-00003 | Binding wire | Kg | 70 |
| 4 | MAT-00004 | Burnt stone slab 10 cm thick | sqm | 347 |
| 5 | MAT-00005 | Cement 43 Gr/53 Gr Note: Rate as fixed by the Government | tonne | 4,220 |
| 6 | MAT-00006 | Chequered plate | Kg | 66 |
| 7 | MAT-00007 | Coarse aggregate 10-4.75 mm | cum | 1,016 |
| 8 | MAT-00008 | Coarse aggregate 20-10 mm | cum | 1,395 |
| 9 | MAT-00009 | Coarse aggregate 40-20 mm | cum | 1,333 |
| 10 | MAT-00010 | Coarse aggregate 80-40 mm | cum | 728 |
| | | 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 less than 20) | | |
| 11 | MAT-00011 | Coir brush | Each | 52 |
| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 12 | MAT-00012 | Copper sheet 16 SWG | Kg | 762 |
| 13 | MAT-00013 | Coursed rubble stone 30 x 30 x 45 cm | Each | 29 |
| 14 | MAT-00014 | Coursed rubble stone 30 x 30 x 60 cm | Each | 34 |
| 15 | MAT-00015 | Curing Compound | Ltr | 137 |
| 16 | MAT-00016 | D – cord | Rm | 9 |
| 17 | MAT-00017 | Delay - noiseless trunk | Each | 22 |
| 18 | MAT-00018 | Detonating fuse coil | Rm | 10 |
| 19 | MAT-00019 | Detonating shock tube / Cord relays | Rm | 41 |
| 20 | MAT-00020 | Detonator delay type | Each | 23 |
| 21 | MAT-00021 | Detonator electric | Each | 12 |
| 22 | MAT-00022 | Detonator ordinary | Each | 9 |
| 23 | MAT-00023 | Empty cement bag | Each | 7 |
| 24 | MAT-00024 | Explosive ANFO | Kg | 49 |
| 25 | MAT-00025 | Explosive ANFO high strength booster | Kg | 76 |
| 26 | MAT-00026 | Explosive small dia (Kelvex-220 or equivalent) | Kg | 76 |
| 27 | MAT-00027 | (a)Fine aggregate/ sand(un- screened) for Concrete & Filtering items) | Cum | 605 |
| | MAT-00028 | (b)Fineaggregate/Sand(un screened)for filling | Cum | 460 |
| 28 | MAT-00029 | Fine aggregate /Sand (Screened) for Mortar ,Plastering items and Sand blasting items (Rs.95 is added towards screening Charges) | Cum | 700 |
| 29 | MAT-00030 | Geo-textile (filter fabric) 160 gsm | Sqm | 102 |
| 30 | MAT-00031 | Geo-textile (filter fabric) 200 gsm | Sqm | 116 |

| | | | | |
|---------------|------------------|---|-------------|----------------------------|
| 31 | MAT-00032 | Geo-textile (filter fabric) 250 gsm | Sqm | 130 |
| 32 | MAT-00033 | G I Pipe 100 mm dia B Class | Rm | 795 |
| 33 | MAT-00034 | G I Pipe 15 mm dia A class | Rm | 99 |
| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 34 | MAT-00035 | G I pipe 25 mm dia A class | Rm | 167 |
| 35 | MAT-00036 | G I pipe 40 mm dia B class | Rm | 248 |
| 36 | MAT-00037 | G I pipe 50 mm dia A class | Rm | 291 |
| 37 | MAT-00038 | G I Pipe 80 mm dia B Class | Rm | 529 |
| 38 | MAT-00039 | G.I Bolts / Nuts and Washers | Kg | 115 |
| 39 | MAT-00040 | G.I sheet (plain) | tonne | 65,275 |
| 40 | MAT-00041 | Hariyala turfing sods | Sqm | 30 |
| 41 | MAT-00042 | Hectometer stone one line dressed | Each | 325 |
| 42 | MAT-00043 | Hemp yarn | Kg | 83 |
| 43 | MAT-00044 | Honne wood planks | Cum | 47,650 |
| 44 | MAT-00045 | Hume pipe with collar 150 mm dia | Rm | 290 |
| 45 | MAT-00046 | Hume pipe with collar 300 mm dia | Rm | 598 |
| 46 | MAT-00047 | J- Bolts 30 cm long | Each | 45 |
| 47 | MAT-00048 | Jungle wood planks | Cum | 20,863 |
| 48 | MAT-00049 | Khandki stone 15 to 20 cm height | Each | 15 |
| 49 | MAT-00050 | Khandki stone 20 to 25 cm height | Each | 21 |
| 50 | MAT-00051 | Khandki stone 25 to 30 cm height | Each | 22 |
| 51 | MAT-00052 | Kilometer stone one line dressed | Each | 574 |
| 52 | MAT-00053 | LDPE sheet (Geo membrane) 500 micron thick | Sqm | 102 |
| 53 | MAT-00054 | LDPE sheet (Geo membrane) 750 micron thick | Sqm | 145 |
| 54 | MAT-00055 | LDPE sheet (Geo membrane) 1000 micron thick | Sqm | 201 |
| 55 | MAT-00056 | M S Bolts / Nuts / Washers | Kg | 93 |
| 56 | MAT-00057 | Murrum | Cum | 229 |

| | | | | |
|---------------|------------------|---|-------------|----------------------------|
| 57 | MAT-00058 | Oxalic acid | Ltr | 80 |
| 58 | MAT-00059 | Oxygen gas | Cum | 46 |
| 59 | MAT-00060 | PVC sealing strip | Rm | 48 |
| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 60 | MAT-00061 | PVC water stopper 310 mm wide | Rm | 495 |
| 61 | MAT-00062 | PVC pipe of 100 mm dia | Rm | 176 |
| 62 | MAT-00063 | Reinforcement steel (HYSD/TMT) Note: As per Monthly rate fixed by Sub-Committee | tonne | 62,000 |
| 63 | MAT-00064 | Resin bond Cement capsule | Each | 52 |
| 64 | MAT-00065 | Rough stone 20 x 20 x 75 cm | Each | 29 |
| 65 | MAT-00066 | Shahabad stone slab | Sqm | 283 |
| 66 | MAT-00067 | Stone chips (at dump yard/Spoil) | Cum | 223 |
| 67 | MAT-00068 | Stone chips (at quarry) | Cum | 411 |
| 68 | MAT-00069 | Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee | Tonne | 64,500 |
| 69 | MAT-00070 | a)Structural steel plate Note: As per Monthly rate fixed by Sub-Committee | Tonne | 62,500 |
| | | b)Structural steel flats Note: As per Monthly rate fixed by Sub-Committee | Tonne | 82,000 |
| 70 | MAT-00071 | Super Plasticizer (Conplast RP-264 or equivalent) | Kg | 59 |
| 71 | MAT-00072 | Synthetic Enamel paint 1st quality | Ltr | 253 |
| 72 | MAT-00073 | Synthetic adhesive (Resin + Hardener) | Kg | 357 |
| 73 | MAT-00074 | Tar felt joint filler board 12 mm thick | Sqm | 408 |
| 74 | MAT-00075 | Tar felt joint filler board 20 mm thick | Sqm | 629 |
| | MAT-00076 | Through stones 20 x 20 x 30 to 45 cm | | 27 |

| | | | | |
|---------------|------------------|---|-------------|----------------------------|
| 75 | | | Each | |
| 76 | MAT-00077 | Through stones 25 x 25 x 45 to 60 cm long | Each | 47 |
| 77 | MAT-00078 | Through stones 30 x 30 x 65 to 75 cm long | Each | 69 |
| 78 | MAT-00079 | Un-coursed rubble stones (at dump yard /Spoil) | Cum | 193 |
| 79 | MAT-00080 | Un-coursed rubble stones (at quarry) | Cum | 373 |
| 80 | MAT-00081 | Water proofing compound | Kg | 85 |
| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 81 | MAT-00082 | Welding electrodes 4 mm dia | Each | 16 |
| 82 | MAT-00083 | Wire brush | Each | 46 |
| 83 | MAT-00084 | Wire mesh 20 gauge | sqm | 248 |
| 84 | MAT-00085 | Zinc chromate red oxide primer paint | Ltr | 184 |
| 85 | MAT-00086 | inorganic zinc silicate | Ltr | 616 |
| 86 | MAT-00087 | solvent less coal tar epoxy paint | Ltr | 298 |
| 87 | MAT-00088 | Zinc phosphate primer | Ltr | 228 |
| 88 | MAT-00089 | Allkyd based iron oxide paint | Ltr | 163 |
| | MAT-00090 | a) Cost of hdpe (90mm dia) | Rm | 233 |
| 89 | MAT-00091 | b) light black MS casing pipe 100 mm dia (4mm thick) | Rm | 512 |
| 90 | MAT-00092 | welded steel wire fabric 100X100X5 mm size | Kg | 207 |
| 91 | MAT-00093 | Protective Mastic | Ltr | 513 |
| 92 | MAT-00094 | Solventless coal tar epoxy (brown) | Ltr | 317 |

**ADDITIONAL MATERIALS FOR GATES & HOISTS
FOR THE YEAR: 2022-23**

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 of prevailing market rates.

| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
|---------------|------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | MAT-00108 | Alloy steel (IS : 1570-carbon steel) shafts | Kg | 256 |
| 2 | MAT-00109 | Alloy steel (IS : 1570-stainless steel) pins | Kg | 469 |
| 3 | MAT-00110 | Bolt / Nut / Washer (hot dipped galvanized) | Kg | 153 |
| 4 | MAT-00111 | Bolt / Nut / Washer (stainless steel) | Kg | 399 |
| 5 | MAT-00112 | Bronze/Aluminum alloy(IS:305)bearings/bushes | Kg | 1,064 |
| 6 | MAT-00113 | Cast iron blocks | Kg | 94 |
| 7 | MAT-00114 | Cast steel drums / gears | Kg | 254 |
| 8 | MAT-00115 | Cast steel pinions | Kg | 246 |
| 9 | MAT-00116 | Cast steel wheels / pulleys / hubs / rollers / Retainers | Kg | 211 |
| 10 | MAT-00117 | Chemical for de-greasing/ de-rusting/phosphate Coating | Ltr | 141 |
| 11 | MAT-00118 | Coal tar epoxy paint | Ltr | 211 |
| 12 | MAT-00119 | Forged steel hooks / shackles | Kg | 299 |
| 13 | MAT-00120 | MS pipe 200 / 300 mm dia | Kg | 188 |
| 14 | MAT-00121 | MS pipe 32 mm dia | Rm | 198 |
| 15 | MAT-00122 | MS pipe 25 mm dia | Rm | 165 |
| 16 | MAT-00123 | Rubber bottom seal (IS : 11855) (100mmX14 mm) | Rm | 706 |
| 17 | MAT-00124 | Rubber side seal (music note type Teflon claded) (IS : 11855) (36ØX113mmX14mm) | Rm | 1,529 |
| 18 | MAT-00125 | Rubber side seal (music note type uncladed) (IS : 11855) (36ØX113mmX14mm) | Rm | 1,131 |

| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S. Rate for 2022-23 |
|--------|-----------|---|------|---------------------|
| 1 | 2 | 3 | 4 | 5 |
| 19 | MAT-00126 | Rubber side seal Z-type (IS : 11855) (36ØX120mmX19mm) | Rm | 1,448 |
| 20 | MAT-00127 | Rubber corner seal (Teflon claded) (IS : 11855) (36Ø) | Each | 1,571 |
| 21 | MAT-00128 | Rubber corner seal (un claded) (IS : 11855) (36Ø) | Each | 1,199 |
| 22 | MAT-00129 | Stainless steel plates / flats | Kg | 309 |
| 23 | MAT-00130 | Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen) | Each | 21 |
| 24 | MAT-00131 | Welding electrode 4 mm dia x 450 mm (stainless steel) | Each | 26 |
| 25 | MAT-00132 | Wire rope 6x37 constn (IS : 2266) | Kg | 215 |
| 26 | MAT-00133 | Zinc | Kg | 206 |
| 27 | MAT-00134 | Zinc rich (zinc content : 90 %) epoxy primer | Ltr | 667 |

**MATERIALS FOR POWER SUPPLY WORKS
FOR THE YEAR: 2022-23**

| SI No. | CFMS CODE | Description of Material | Unit | S. Rate for 2022-23 |
|--------|-----------|--|--------|---|
| 1 | MAT-00135 | Electric pole with fixtures | Each | For establishing Electrical Sub-Stations at the Project Sites wherever necessary, the rates approved by APTRANSCO may be followed. |
| 2 | MAT-00136 | Flood light 500 W | Each | |
| 3 | MAT-00137 | Flood light set | Each | |
| 4 | MAT-00138 | Flousscent tube light 40 W | Each | |
| 5 | MAT-00139 | Flousscent tube light set | Each | |
| 6 | MAT-00140 | HT / LT Circuit breaker with accessories | Set | |
| 7 | MAT-00141 | HT / LT Line conductor | 1000 m | |
| 8 | MAT-00142 | PVC Armoured cable 10 sqmm and below | Rm | |
| 9 | MAT-00143 | PVC Armoured cable 16 sqmm | Rm | |
| 10 | MAT-00144 | PVC Armoured cable 25 sqmm | Rm | |
| 11 | MAT-00145 | PVC Armoured cable 70 sqmm | Rm | |

DETAILS OF CAPITAL COST OF MACHINERY / EQUIPMENT FOR THE
YEAR: 2022-23
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 exclusive of GST, duties and 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: | CFMS CODE | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2022-23 |
|---------------|------------------|--|-------------|----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | MAT-00600 | Agitator car / Transit mixer 2 cum (excluding tyres) | Each | 21,25,574 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 2 | MAT-00602 | Air compressor 5 cmm electric | Each | 6,67,122 |
| 3 | MAT-00603 | Air compressor 7 cmm diesel | Each | 8,91,675 |
| 4 | MAT-00604 | Air compressor 7 cmm electric | Each | 8,35,947 |
| 5 | MAT-00605 | Air compressor 8.5 cmm diesel | Each | 10,40,232 |
| 6 | MAT-00606 | Air compressor 8.5 cmm electric | Each | 10,74,033 |
| 7 | MAT-00607 | Air compressor 15 cmm electric | Each | 13,13,627 |
| 8 | MAT-00608 | Angle Dozer 90 hp | Each | 54,25,452 |
| 9 | MAT-00609 | Batching plant 0.5 cum with accessories (6 Cum/hr) | Each | 11,98,939 |
| 10 | MAT-00610 | Batching plant 2 x 1.00 cum with accessories (15 Cum/hr) | Each | 42,41,218 |
| 11 | MAT-00611 | Batching plant 2 x 1.50 cum with accessories (50 Cum/hr) | Each | 64,94,474 |
| 12 | MAT-00612 | Bending machine | Each | 5,50,722 |
| 13 | MAT-00613 | Clam shell and hoisting ropes | Each | 31,403 |
| 14 | MAT-00614 | Concrete bucket 1.5 cum | Each | 55,065 |
| 15 | MAT-00615 | Concrete hand mixer 45/30 ltr | Each | 15,651 |
| 16 | MAT-00616 | Concrete mixer 300/200 ltr(diesel) | Each | 1,47,030 |
| 17 | MAT-00617 | Concrete mixer 300/200 ltr (electric) | Each | 1,43,020 |

| | | | | |
|---------------|------------------|---|-------------|----------------------------|
| 18 | MAT-00618 | Concrete mixer 600/400 ltr(diesel) | Each | 2,49,187 |
| 19 | MAT-00619 | Concrete mixer 600/400 ltr (electric) | Each | 2,44,102 |
| SI No: | CFMS CODE | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 20 | MAT-00620 | Concrete paver 100 Sqm / hr | Each | 23,45,010 |
| 21 | MAT-00621 | Convey mucker (excluding tyres) | Each | 37,96,355 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 22 | MAT-00622 | Core drilling machine | Each | 10,87,512 |
| 23 | MAT-00623 | Diesel generating set 30 KVA | Each | 4,93,569 |
| 24 | MAT-00624 | Diesel generating set 50 KVA | Each | 6,16,540 |
| 25 | MAT-00625 | Diesel Loco 45 hp | Each | 20,95,941 |
| 26 | MAT-00626 | Dewatering pump 5 hp diesel | Each | 39,767 |
| 27 | MAT-00627 | Dewatering pump 5 hp electric | Each | 24,678 |
| 28 | MAT-00628 | Dewatering pump 10 hp diesel | Each | 60,056 |
| 29 | MAT-00629 | Dewatering pump 10 hp electric | Each | 54,952 |
| 30 | MAT-00630 | Dewatering pump 20 hp diesel | Each | 1,90,055 |
| 31 | MAT-00631 | Dewatering pump 20 hp electric | Each | 1,03,061 |
| 32 | MAT-00632 | Drifter | Each | 10,48,289 |
| 33 | MAT-00633 | Drilling jumbo (excluding tyres) | Each | 13,20,928 |
| | MAT-08524 | tyres and tubes 6 sets | | 81,897 |
| 34 | MAT-00634 | Dumper 4.5 cum (excluding tyres) | Each | 14,70,234 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 35 | MAT-00635 | Geophysical Ele.resistivity meter | Each | 5,06,963 |
| 36 | MAT-00636 | Grouting pump | Each | 97,064 |
| 37 | MAT-00637 | Guniting / sand blasting equipment | Each | 3,04,944 |
| 38 | MAT-00638 | Ice plant with accessories 30 t / day | Each | 25,30,002 |
| 39 | MAT-00639 | Jack hammer | Each | 63,850 |
| 40 | MAT-00640 | Needle vibrator 40 mm petrol | Each | 19,777 |
| 41 | MAT-00641 | Needle vibrator 40 mm electric | Each | 20,738 |
| 42 | MAT-00642 | Needle vibrator 60 mm petrol | Each | 20,568 |
| 43 | MAT-00643 | Needle vibrator 60 mm electric | Each | 25,371 |
| 44 | MAT-00644 | Planing machine 4 m stroke | Each | 8,38,962 |
| 45 | MAT-00645 | Plate shearing machine up to 12 mm | Each | 4,57,129 |
| 46 | MAT-00646 | Pneumatic placer 0.5 cum | Each | 5,72,090 |

| | | | | |
|---------------|------------------|---|-------------|----------------------------|
| 47 | MAT-00647 | Pneumatic tamper | Each | 84,192 |
| SI No: | CFMS CODE | DESCRIPTION OF MACHINERY / EQUIPMENT | UNIT | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 48 | MAT-00648 | Pug cutting machine | Each | 17,906 |
| 49 | MAT-00649 | Pusher leg | Each | 54,584 |
| 50 | MAT-00650 | Road roller diesel 10 t | Each | 8,62,359 |
| 51 | MAT-00651 | Shovel 0.50 cum 75 hp | Each | 38,20,509 |
| 52 | MAT-00652 | Shovel 0.85 cum 110 hp | Each | 63,82,483 |
| 53 | MAT-00653 | Stationery derrick crane 5 t | Each | 6,47,090 |
| 54 | MAT-00654 | Tipper 5 cum (excluding tyres) | Each | 16,55,750 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 55 | MAT-00655 | Tipping tub 1.5 cum | Each | 2,40,093 |
| 56 | MAT-00656 | Tower crane 5 tonne | Each | 73,72,995 |
| 57 | MAT-00657 | Transformer 250 KVA | Each | 4,92,181 |
| 58 | MAT-00658 | Truck 10 t (excluding tyres) | Each | 14,61,655 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 59 | MAT-00659 | Truck mounted derrick crane 5 t (excluding tyres) | Each | 20,17,167 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 60 | MAT-00660 | Upright drilling machine | Each | 56,138 |
| 61 | MAT-00661 | Ventilation fan 20 hp | Each | 2,88,485 |
| 62 | MAT-00662 | Vibratory pad foot roller 8 t | Each | 29,92,884 |
| 63 | MAT-00663 | Wagon drill | Each | 6,54,864 |
| 64 | MAT-00664 | Water tanker 8000 ltr (excluding tyres) | Each | 15,23,136 |
| | MAT-00601 | tyres and tubes 6 sets | | 81,897 |
| 65 | MAT-00665 | Welding set | Each | 50,833 |
| 66 | MAT-00666 | Winch 35 hp electric | Each | 3,98,999 |
| 67 | MAT-00667 | Hydraulic Truck Crane 30T | Each | 1,51,48,035 |
| | MAT-08525 | tyres and tubes 6 sets | | 1,80,761 |
| 68 | MAT-00668 | Hydraulic Truck Crane 16T | Each | 1,04,49,868 |
| | MAT-08526 | tyres and tubes 6 sets | | 1,74,362 |
| 69 | MAT-00669 | Heavy Duty Airless Spray Painting Equipment | Each | 4,85,219 |
| 70 | MAT-00670 | Concrete Placer Pump(25 Cum/hr)(Electric) | Each | 31,64,471 |

ACCESSORIES TO MACHINERY / EQUIPMENT FOR THE YEAR: 2022-23

| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2022-23 |
|---------------|------------------|--|-------------|---------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | MAT-00671 | Casing shoe bit | Each | 11,641 |
| 2 | MAT-00672 | Diamond core bit BX size | Each | 11,876 |
| 3 | MAT-00673 | Diamond core bit NX size | Each | 14,257 |
| 4 | MAT-00674 | Double tube core barrel | Each | 15,200 |
| 5 | MAT-00675 | Extension drill rod with coupling sleeve | Rm | 2,158 |
| 6 | MAT-00676 | Jack hammer drill rod 1.5 m | Each | 4,253 |
| 7 | MAT-00677 | Jack hammer drill rod 2.5 m | Each | 6,366 |
| 8 | MAT-00678 | Nozzle for Guniting / sand blasting gun | Each | 708 |
| 9 | MAT-00679 | Paving Cylinder | Each | 31,163 |
| 10 | MAT-00680 | Rails 30R (30 kg / m) | tonne | 57,710 |
| 11 | MAT-00681 | Reamer shell | Each | 5,712 |
| 12 | MAT-00682 | T.C. Cross bit 50 mm dia | Each | 5,603 |
| 13 | MAT-00683 | T.C. Cross bit 75 mm dia | Each | 11,205 |
| 14 | MAT-00684 | T.C. Cross bit 100 mm dia | Each | 13,189 |
| 15 | MAT-00685 | Tyres and Tubes for truck | Set | 16,078 |
| 16 | MAT-00686 | Wire rope 16 mm dia | Rm | 306 |
| 17 | MAT-00687 | Excavation of drain with Excavator | Cum | 43 |

AGGREGATE CRUSHING & PROCESSING PLANT

| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2022-23 |
|--------|-----------|---|------|--|
| 1 | 2 | 3 | 4 | 5 |
| 1 | | Jaw crusher 900 x 500 mm (120 tph) with 50 hp Motor | Each | These items are no where being used in the Standard Data. Hence this may be deleted from SoR |
| 2 | | Jaw crusher 500 x 300 mm (60 tph) with 30 hp Motor | Each | |
| 3 | | Jaw crusher 400 x 225 mm (10 tph) with 25 hp Motor | 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: 2022-23**

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. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2022-23 |
|--------|-----------|---|-------------|--------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | MAT-00688 | Air hose 25 mm dia | Rm | 189 |
| 2 | MAT-00689 | Air hose 50 mm dia | Rm | 284 |
| 3 | MAT-00690 | Demand charges (HT-I : General-11 KV category) on power supply(as per APEPDCL tariff) | KVA / month | 475 |
| 4 | MAT-00691 | Diesel | Ltr | 99.74 |
| 5 | MAT-00692 | Electric power (HT-VIII Category) including tax (1.5 times of the Tariff of HT-I(A):General-11 KVA Category) (as per APEPDCL tariff) | Kwhr | 9.45 |

| | | | | |
|---------------|------------------|---|-------------|---------------------------|
| 6 | MAT-00693 | Excise duty on Gates / Hoist supplies | % | 0 |
| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| 7 | MAT-00694 | Insurance charges on machinery | % / annum | 1 |
| 8 | MAT-00695 | Interest on capital cost | % / annum | 9 |
| 9 | MAT-00696 | Lubricants | Ltr | 267 |
| 10 | MAT-00697 | Petrol | Ltr | 112.01 |
| 11 | MAT-00698 | Rivets | Kg | 103 |
| 12 | MAT-00699 | Road tax on transport vehicles | Rs./annum | As per RTA |
| 13 | MAT-00700 | Shalimatic sealing compound | Kg | 100 |
| 14 | MAT-00701 | Shutter oil | Ltr | 58 |
| 15 | MAT-00702 | Structural steel fabrication | Kg | 34 |
| 16 | MAT-00703 | Sundries (Lump sum for un quantified inputs) | LS | 38 |
| 17 | MAT-00704 | Water hose (pressure) 20 mm dia | Rm | 190 |
| 18 | MAT-00705 | Steel wedges | LS | 19 |
| 19 | MAT-00706 | Elbows / Nipple / Plugs etc., | LS | 19 |
| 20 | MAT-00707 | Soldering materials | LS | 19 |
| 21 | MAT-00708 | Steam circulation arrangement | LS | 19 |
| 22 | MAT-00709 | Fuel charges (gas for heating) | LS | 24 |
| 23 | MAT-00710 | Vulcanizing materials | LS | 24 |
| 24 | MAT-08527 | Other accessories / controls / junctions | LS | 24 |
| 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 | MAT-00711 | Gas cutting set (2 No's 15 m hose and nozzle unit) | Each | 14,947 |
| 29 | MAT-00712 | Grease | Kg | 282 |
| 30 | MAT-00713 | Welding holder set (cable / holder / gloves / mask etc) | Each | 8,412 |
| 31 | MAT-00385 | Use rate of ropes | LS | 186 |

MATERIALS FOR GATES AND HOISTS FOR THE YEAR: 2022-23

| SI No. | CFMS CODE | DESCRIPTION OF MATERIAL | UNIT | S Rate for 2022-23 |
|---------------|------------------|---|-------------|---------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | MAT-00095 | Worm reducers | Each | 2,02,620 |
| 2 | MAT-00096 | Electric motor 20 hp(Double Shaft) | Each | 1,15,312 |
| 3 | MAT-00097 | Electric motor 17.5 hp(Double Shaft) | Each | 77,599 |
| 4 | MAT-00098 | Electric motor 12.5 hp(Double Shaft) | Each | 65,545 |
| 5 | MAT-00099 | Electric motor 5 hp(Double Shaft) | Each | 29,740 |
| 6 | MAT-00100 | Electric motor 3 hp (Double Shaft) | Each | 20,672 |
| 7 | MAT-00101 | Electric motor 2 hp (Double Shaft) | Each | 11,668 |
| 8 | MAT-00102 | Floating shaft 300 mm dia | Kg | 194 |
| 9 | MAT-00103 | Manual operating system | Each | 30,614 |
| 10 | MAT-00104 | Gate position indicator | Each | 1,98,141 |
| 11 | MAT-00105 | Ele-magnetic brake | Each | 31,926 |
| 12 | MAT-00106 | Electric cable / switch / control panel etc | LS | 51,923 |
| 13 | MAT-00107 | Wire rope sockets | Each | 5,014 |

**Materials other than covered under WR work items
for the year 2022-23**

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 **exclusive of** GST, 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. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|---|------|--|
| 1 | 2 | 3 | 4 | 5 |
| M-002 | MAT-00175 | Quarried stone 150 - 200 mm size for Hand Broken | Cum | 178 |
| M-003 | MAT-00176 | Boulder with minimum size of 300 mm for Pitching | Cum | 195 |
| M-004 | | Coarse sand for filling | Cum | Rate as per item no.27 (b) of Material rates of WRD. |
| M-005 | | Coarse sand for mortar | Cum | Rate as per item no.27 (a) of Material rates of WRD. |
| M-006 | | Fine Sand | Cum | Rate as per item no.28 of Material rates of WRD. |
| M-007 | | Murrum | Cum | Rate as per item no.56 of Material rates of WRD. |
| M-008 | MAT-00177 | Gravel/Quarry spall | Cum | 149 |
| M-009 | | Granular Material or hard Murrum for GSB works | Cum | Deleted |
| M-010 | MAT-00178 | Granular Material or hard Murrum for GSB works | Cum | 109 |
| M-011 | MAT-00179 | Fly ash conforming to IS: 3812 (Part II & I) | Cum | 81 |
| | | 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 | | |

Part I - Materials not covered under WR Work items basic data – Common SoR 2022-23

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| | | 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 Basalt with aggregate impact of less than 20) | | |
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Part I - Materials not covered under WR Work items basic data – Common SoR 2022-23

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|----------------|------------------|---|-------------|----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| M-012 | MAT-00180 | Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) | Cum | 379 |
| M-013 | MAT-00181 | Close graded Granular sub-base Material 53 mm to 9.5 mm | Cum | 740 |
| M-014 | MAT-00182 | Close graded Granular sub-base Material 37.5 mm to 9.5 mm | Cum | 764 |
| M-015 | MAT-00183 | Close graded Granular sub-base Material 26.5 mm to 9.5 mm | Cum | 812 |
| M-016 | MAT-00184 | Close graded Granular sub-base Material 9.5 mm to 4.75 mm | Cum | 674 |
| M-017 | MAT-00185 | Close graded Granular sub-base Material 9.5 mm to 2.36 mm | Cum | 650 |
| M-018 | MAT-00186 | Close graded Granular sub-base Material 4.75mm to 2.36 mm | Cum | 576 |
| M-019 | MAT-00187 | Close graded Granular sub-base Material 4.75mm to 75 micron mm. | Cum | 552 |
| M-020 | MAT-00188 | Close graded Granular sub-base Material 2.36 mm | Cum | 549 |
| M-021 | MAT-00189 | Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve. | Cum | 395 |
| M-022 | MAT-00191 | Coarse graded Granular sub-base Material 2.36 mm & below | Cum | 547 |
| M-023 | MAT-00192 | Coarse graded Granular sub-base Material 4.75mm to 75 micron mm | Cum | 532 |
| M-024 | MAT-00193 | Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm | Cum | 532 |
| M-025 | MAT-00194 | Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm | Cum | 654 |
| M-026 | MAT-00195 | Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm | Cum | 713 |
| M-027 | MAT-00196 | Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm | Cum | 716 |
| M-028 | MAT-00197 | Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm | Cum | 795 |
| M-029 | MAT-00198 | Coarse graded Granular sub-base Material 53 mm to 26 .5mm | Cum | 978 |
| M-030 | MAT-00199 | Aggregates below 5.6 mm | Cum | 638 |
| M-031 | MAT-00200 | Aggregates 22.4 mm to 2.36 mm | Cum | 1046 |

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|----------------|------------------|--------------------------------------|-------------|---|
| 1 | 2 | 3 | 4 | 5 |
| M-032 | MAT-00201 | Aggregates 22.4 mm to 5.6 mm | Cum | 1,187 |
| M-033 | MAT-00202 | Aggregates 45 mm to 2.8 mm | Cum | 762 |
| M-034 | | Aggregates 45 mm to 22.4 mm | Cum | Rate as per item no.9 of Material rates of WRD. |
| M-035 | MAT-00203 | Aggregates 53 mm to 2.8 mm | Cum | 1,048 |
| M-036 | MAT-00204 | Aggregates 53 mm to 22.4 mm | Cum | 993 |
| M-037 | MAT-00205 | Aggregates 63 mm to 2.8 mm | Cum | 820 |
| M-038 | MAT-00206 | Aggregates 63 mm to 45 mm | Cum | 761 |
| M-039 | | Aggregates 90 mm to 45 mm | Cum | Rate as per item no.10 of Material rates of WRD. |
| M-040 | | Aggregates 10 mm to 5 mm | Cum | Rate as per item no.07 of Material rates of WRD. |
| M-041 | MAT-00207 | Aggregates 11.2 mm to 0.09 mm | Cum | 822 |
| M-042 | MAT-00208 | Aggregates 13.2 mm to 0.09 mm | Cum | 931 |
| M-043 | MAT-00209 | Aggregates 13.2 mm to 5.6 mm | Cum | 1,067 |
| M-044 | MAT-00210 | Aggregates 13.2 mm to 10 mm | Cum | 1,187 |
| M-045 | | Aggregates 20 mm to 10 mm | Cum | Rate as per item no.08 of Material rates of WRD. |
| M-046 | MAT-00211 | Aggregates 25 mm to 10 mm | Cum | 1,297 |
| M-047 | MAT-00212 | Aggregates 19 mm to 6 mm | Cum | 1,193 |
| M-048 | MAT-00213 | Aggregates 37.5 mm to 19 mm | Cum | 1,285 |
| M-049 | MAT-00214 | Aggregates 37.5 mm to 25 mm | Cum | 1,336 |
| M-050 | MAT-00215 | Aggregates 6 mm nominal size | Cum | 865 |
| M-051 | MAT-00216 | Aggregates 10 mm nominal size | Cum | 1,070 |
| M-052 | MAT- | Aggregates 13.2/12.5 mm nominal size | Cum | 1,260 |

Part I - Materials not covered under WR Work items basic data – Common SoR 2022-23

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| | 00217 | | | |
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| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|--|-----------------|----------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| M-053 | MAT-00218 | Aggregates 20 mm nominal size | Cum | 1,565 |
| M-054 | MAT-00219 | Aggregates 25 mm nominal size | Cum | 1,501 |
| M-055 | MAT-00220 | Aggregates 40 mm nominal size | Cum | 965 |
| M-056 | | AC pipe 100 mm dia | Metre | Rate as per PH item |
| M-057 | MAT-00221 | Acrylic polymer bonding coat | Litre | 556 |
| M-058 | MAT-00222 | Aluminum Paint | Litre | 308 |
| M-059 | MAT-00223 | Aluminum alloy plate 2mm Thick | Sqm | 401 |
| M-060 | MAT-00224 | Aluminum alloy/Galvanized steel | Tonne | 70,799 |
| M-061 | MAT-00225 | Aluminum sheeting fixed with encapsulated lens type reflective sheeting including 2% towards lettering, cost of angle iron, cost of drilling holes, nuts, bolts etc. and signs as applicable | Sqm | 930 |
| M-062 | MAT-00226 | Aluminum studs 100 x 100 mm fitted with lens reflectors | No's | As per local market Rate |
| M-063 | MAT-00227 | Barbed wire | Kg | 83 |
| M-064 | MAT-00228 | Bearing (Cost of parts) | No's | 573 |
| M-065 | MAT-00229 | Bearing (Cast steel rocker bearing assembly of 250 tonne) | No's | 798 |
| M-066 | MAT-00230 | Bearing (Elastomeric bearing assembly consisting of 7 internal layers of elastomer bonded to 6 nos. internal reinforcing steel laminates by the process of vulcanization,) | Cm ³ | As per Market competitive rates. |
| M-067 | MAT-00231 | Bearing (Forged steel roller bearing of 250 tonne) | No's | |
| M-068 | MAT-00232 | 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 assemblies duly painted with all components | No's | |
| M-069 | MAT-00233 | Bearing (PTFE sliding plate bearing assembly of 80 tonnes) | No's | |

Part I - Materials not covered under WR Work items basic data – Common SoR 2022-23

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|-------|-----------|---|------|----------|
| M-070 | MAT-00234 | Bearing (Supply of sliding plate bearing of 80 tonne) | No's | |
| M-071 | MAT-00235 | Bentonite | Kg | 9 |

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|--|-------|--|
| 1 | 2 | 3 | 4 | 5 |
| M-072 | | Binding wire | Kg | Rate as per item no.3 of Material rates of WRD. |
| M-073 | MAT-00236 | Bitumen (Cationic Emulsion) | Tonne | As per rates fixed by R&B Dept based on refinery rates |
| M-074 | MAT-00237 | Bitumen (60-70 grade) | Tonne | |
| M-075 | MAT-00238 | Bitumen (80-100 grade) | Tonne | |
| M-076 | MAT-00239 | Bitumen (Cutback) | Tonne | |
| M-077 | MAT-00240 | Bitumen (emulsion) | Tonne | |
| M-078 | MAT-00241 | Bitumen (modified graded) | Tonne | |
| M-079 | | Brick | Each | As per Building SSR |
| M-080 | MAT-00242 | C.I. shoes for the pile | Kg | 63 |
| 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 | MAT-00243 | Collar for joints 300 mm dia | No's | 159 |
| M-084 | MAT-00244 | Compressible Fibre Board(20mm thick) | Sqm | 575 |
| M-085 | MAT-00245 | Connectors/ Staples | Each | 80 |
| M-086 | MAT-00246 | Copper Plate(12m long x 250mmwide) | Kg | 308 |
| M-087 | MAT-00247 | Corrosion resistant Structural steel | Tonne | Monthly Rate as fixed by the Sub-Committee |
| M-088 | MAT-00248 | Corrugated sheet, 3 mm thick, "Tie" beam section railing | Kg | 218 |
| M-089 | MAT-00249 | Credit for excavated rock found suitable for use | Cum | 239 |
| M-090 | MAT-00250 | Curing compound | Liter | Rate as per item no.15 of Material rates of WRD. |

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|----------------|------------------|--|-------------|---|
| M-091 | MAT-00251 | Delineators from ISI certified firm as per the standard drawing given in IRC – 79 | Each | Rate as per local competitive quotations |
| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
| 1 | 2 | 3 | 4 | 5 |
| M-092 | MAT-00252 | Earth Cost or compensation for selected earth for shoulders taken from Private Land | Cum | 130 |
| M-093 | MAT-00253 | 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 of 125 gms each | 100 no's | Rate as per item no.21 of Material rates of WRD. |
| M-095 | MAT-00254 | Epoxy compound with accessories for preparing epoxy mortar | Kg | 362 |
| M-096 | MAT-00255 | Epoxy mortar | Kg | 120 |
| M-097 | MAT-00256 | Epoxy primer | Kg | 603 |
| M-098 | MAT-00257 | Epoxy resin-hardener mix for prime coat | Kg | 646 |
| M-099 | MAT-00258 | Flag of red color cloth 600 x 600 mm | Each | 26 |
| M-100 | MAT-00259 | Flowering Plants | Each | 49 |
| M-101 | MAT-00260 | Galvanized MS flat clamp | No's | 194 |
| M-102 | MAT-00261 | Galvanized steel wire crates of mesh size 100 mm x 100 mm woven with 4mm dia. GI wire in rolls of required size. | Sqm | 188 |
| M-103 | MAT-00263 | Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long | Kg | 962 |
| M-104 | MAT-00264 | Gelatin 80% | Kg | 68 |
| M-105 | MAT-00265 | Geo grids | Sqm | Rate as per local competitive quotations |
| M-106 | | (a)Geo membrane 500 micron thick | Sqm | Rate as per item No. |

Part I - Materials not covered under WR Work items basic data – Common SoR 2022-23

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|--|--|------------------------------------|-----|---|
| | | | | 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 |

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|---|-------|---|
| 1 | 2 | 3 | 4 | 5 |
| M-107 | MAT-00266 | Geo nets | Sqm | Rate 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 | MAT-00267 | Geo textile filter fabric | Sqm | Rate as per local competitive quotations |
| M-110 | MAT-00268 | 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 items |
| M-112 | MAT-00269 | Grass (Doob) | Kg | 8 |
| M-113 | MAT-00270 | Grass (Fine) | Kg | 10 |
| M-114 | | HDPE pipes 75mm dia | Metre | Rate as per PH items |
| M-115 | | HDPE pipes 90mm dia | Metre | |
| M-116 | MAT-00271 | Hedge plants | Each | Rate as per local competitive quotations |
| M-117 | MAT-00272 | Helical pipes 600mm diameter | Metre | |
| M-118 | MAT-00273 | Hot applied thermoplastic compound | Litre | |
| M-119 | MAT-00274 | HTS strand | Tonne | 42,632 |
| M-120 | MAT-00275 | Joint Sealant Compound | Kg | 70 |
| M-121 | | Jute netting, open weave, 2.5 cm square opening | Sqm | 94 |

Part I - Materials not covered under WR Work items basic data – Common SoR 2022-23

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|--|-----------|--------------------------|--|--|
| | MAT-00276 | for seeding and Mulching | | |
|--|-----------|--------------------------|--|--|

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|---|-------|--|
| 1 | 2 | 3 | 4 | 5 |
| M-122 | MAT-00277 | LDO for steam curing | Litre | 70 |
| M-123 | | M.S. Clamps | Kg | Deleted |
| M-124 | MAT-00278 | M.S. Clamps | Kg | Rate as per local market rate |
| M-125 | MAT-00279 | M.S. shoes @ 35 Kg per pile of 15 m | Kg | |
| M-126 | MAT-00280 | Mild Steel bars | Tonne | 54,500 |
| M-127 | MAT-00281 | 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 against corrosion and installed by the manufacturer or his authorized representative | Metre | Rate as per local competitive quotations |
| M-128 | MAT-00282 | 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 representative | Metre | Rate as per local competitive quotations |
| M-129 | MAT-00283 | Nipples 12mm | No's | 23 |
| M-130 | MAT-00284 | Nuts and bolts | Kg | 112 |
| M-131 | MAT-00285 | Paint | Litre | 260 |
| M-132 | MAT-00286 | Pavement Marking Paint | Litre | Rate as per local competitive quotations |
| M-133 | MAT-00287 | Paving Fabric | Sqm | |
| M-134 | MAT-00288 | Perforated geo synthetic pipe 150 mm dia | Metre | |
| M-135 | MAT-00290 | Perforated pipe of cement concrete, internal dia 100 mm | Metre | |
| M-136 | MAT-00291 | Pesticide | Kg | |

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|-------|--|---|-------|----------------------------|
| M-137 | | R.C.C Pipes 200 mm dia, 2.5 m long for drainage | Metre | Rate as per PH item |
|-------|--|---|-------|----------------------------|

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|--|-------|--|
| 1 | 2 | 3 | 4 | 5 |
| M-138 | MAT-00292 | Plastic sheath, 1.25 mm thick for dowel bars | Sqm | 57 |
| M-139 | MAT-00293 | Plastic tubes 50 cm dia , 1.2 m high | No's | Rate as per local market rate |
| M-140 | MAT-00294 | Polymer braids | Metre | |
| M-141 | MAT-00295 | Pre moulded Joint filler, 25 mm thick for expansion joint. | Sqm | 320 |
| M-142 | MAT-00296 | Pre-coated stone chips of 13.2 mm nominal size | Cum | Rate as per local competitive quotations |
| M-143 | MAT-00297 | 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 | |
| M-144 | MAT-00298 | Pre-moulded asphalt filler board | Sqm | |
| M-145 | MAT-00299 | Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days | Kg | |
| M-146 | MAT-00300 | Sealant Primer | Kg | |
| M-147 | MAT-00301 | Quick setting compound | Kg | 35 |
| M-148 | MAT-00302 | Random Rubble Stone | Cum | 298 |
| 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 mm dia | Metre | |
| M-151 | | RCC Pipe NP 4 heavy duty non pressure pipe 300 mm dia | Metre | |
| M-152 | MAT-00303 | Reflectorising glass beads | Kg | Rate as per local competitive quotations |
| M-153 | MAT-00304 | Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Copper Strips) | Metre | |
| M-154 | MAT-00305 | Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Galvanized carbon steel strips) | Metre | |
| M-155 | MAT-00306 | Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Glass reinforced polymer/ fiber reinforced polymer/polymeric strips) | Metre | |
| M-156 | MAT-00307 | Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Stainless steel strips) | Metre | |

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|-------|-----------|--|-------|
| M-157 | MAT-00308 | Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Aluminum strips) | Metre |
|-------|-----------|--|-------|

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|---------|-----------|--|---------|---|
| 1 | 2 | 3 | 4 | 5 |
| M-158 | MAT-00309 | Rivets | Each | 8 |
| M-159 | | Sand bags (Cost of sand and Empty cement bag) | Per bag | Rate as per Item no.2 of miscellaneous items |
| M-160 | MAT-00310 | Sapling 2 m high 25 mm dia | Each | Rate as per local competitive quotations |
| M-161 | MAT-00311 | Scrap tyres of size 900 x 20 | No's | 82 |
| M-162 | MAT-00312 | Seeds(Grass) | Kg | 22 |
| M-163 | | Cost of Selected earth | Cum | Deleted |
| M-164 | MAT-00313 | Separation Membrane of impermeable plastic sheeting 125 micron thick | Sqm | Rate as per local competitive quotations |
| M-165 | MAT-00314 | Sheathing duct | Metre | |
| M-166 | MAT-00315 | Shrubs | Each | 19 |
| M-167 | MAT-00316 | 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 Buildings SSR |
| M-169 | MAT-00317 | Square Rubble Coursed Stone | Cum | 2,679 |
| M-170 | MAT-00318 | Steel circular hollow pole of standard specification for street lighting to mount light at 5 m height above deck level | Each | Rate Obtained from Electricity/Municipal Departments |
| M-171 | MAT-00319 | Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above road level | Each | |
| M-172 | MAT-00320 | Steel drum 300 mm dia 1.2 m high/empty bitumen drum | No's | As per local competitive market rate |
| M-173 | MAT-00321 | Steel helmet and cushion block on top of pile head during driving. | Kg | |
| M-174 | MAT-00322 | Steel pipe 25 mm external dia as per IS:1239 | Metre | 318 |
| M-175 | MAT-00323 | Steel pipe 50 mm external dia as per IS:1239 | Metre | 625 |
| M-176 | MAT- | Steel wire rope 20 mm | Kg | 213 |

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|-------|-----------|-----------------------|----|------------|
| | 00324 | | | |
| M-177 | MAT-00325 | Steel wire rope 40 mm | Kg | 236 |

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|----------|-----------|--|-----------|--|
| 1 | 2 | 3 | 4 | 5 |
| M-178 | MAT-00326 | Strip seal expansion joint | Metre | Rate as per local competitive quotations |
| 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 | MAT-00327 | Synthetic Geo grids as per clause 3102.8 and approved design and specifications. | 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 | MAT-00328 | Tie rods 20mm diameter | No's | 58 |
| M-184 | | Tiles size 300 x 300 mm and 25 mm thick | Each | As per Building SSR |
| M-185 | | Timber | Cum | |
| M-186 | MAT-00329 | Traffic cones with 150 mm reflective sleeve | No's | Rate as per local competitive quotations |
| M-187 | MAT-00330 | Tube anchorage set complete with bearing plate, permanent wedges etc | No's | |
| M-188 | MAT-00331 | Un slaked lime | Tonne | 3,045 |
| M-189(a) | MAT-00332 | Water charges(Urban) | KiloLitre | 125 |
| (b) | MAT-00333 | Water charges(Rural) | KiloLitre | 95 |
| M-190 | | Water based cement paint | Litre | As per Building SSR |

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|-------|-----------|--|----|------------|
| M-191 | MAT-00334 | Welded steel wire fabric | Kg | 159 |
| M-192 | MAT-00335 | Wire mesh 50mm x 50mm size of 3mm wire | Kg | 282 |

| Sl. No. | CFMS CODE | Description | Unit | S. Rate for 2022-23 |
|----------|-----------|---|--------------------------|----------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 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 | MAT-00336 | Wooden packing | Cum | 1,286 |
| M-196 | MAT-00337 | Wooden staff for fastening of flag 25 mm dia, one m long | Each | 82 |
| Item 8.3 | MAT-00338 | Printing new letter and figures of any shade (ii) English Roman | per cm height per letter | 2 |
| 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 | |
| | | Miscellaneous Items | | |
| 1 | MAT-00339 | Benching old embankment slopes 0.45 X 0.45 M | RM | 6 |
| 2 | MAT-00340 | Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 13.615 % overhead charges and contractors profits. (sand rate for filling is considered) Note: During the emergency conditions such as floods and other natural calamities, the above rate is allowed to enhance by 25% for 1st warning level and above, keeping in view of the difficulty in availability of labour and vehicles. | per bag | 37 |
| 3 | MAT-00341 | Rough stone for revetment 225mm thick | Cum | 180 |
| 4 | MAT-00342 | Eradication of Weed growth from Drains, Canals by spraying Chemicals | Sqm | 3 |
| 5 | MAT-00343 | Thinner | Ltr | 107 |
| 6 | MAT-00344 | Gear Oil | Ltr | 290 |
| 7 | MAT-00345 | Cardium compound | kg | 116 |

Conveyance Charges of Material

CONVEYANCE CHARGES OF MATERIALS AS PER SoR 2022-23 (COMMON TO ALL DEPARTMENTS).

**LEAD, LIFT, LOADING AND UNLOADING CHARGES FOR MATERIALS
FOR THE YEAR: 2022-23**

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 exclusive of contractor's profit and overhead charges of 13.615%
13. The loading and unloading charges are also exclusive of Contractor's profit and overhead charges of 13.615%
14. During the BoCEs meeting held on 10.06.2015, the BoCEs has recommended to withdraw lead charges, loading and unloading charges for Cement as per the minutes of meeting of Sub-Committee held on 29.06.2015. (The conveyance charges, loading & unloading charges for cement are displayed for information purpose only).
15. As per the BOCE meeting held on 21.08.2019 in order to simplify the procedure of adding lead charges to the data items in the CFMS work module, the BOCE recommended to delete the contractor profit and over head charges from the calculation of Lead, Lift, Loading and Unloading charges. But at the time of preparation of estimates

the contractor profit and over head charges on Lead, Lift, Loading and Unloading charges shall be added as usual.

**A. (LEAD) CONVEYANCE CHARGES FOR MATERIALS
BY HEAD LOAD FOR THE YEAR: 2022-23**

| SI No. | Total distance (Total lead includes initial lead) | Earth / Sand /Gravel / Murrum/ Lime/ Surki/ Size stone / Cut stone Rubble / Coarse aggregate | Cement / Reinforcement 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 | 75.00 | 43.80 | 95.50 |
| 3 | Total lead up to 150 m | 150.00 | 87.50 | 190.90 |

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.

**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: 2022-23
(No loading and unloading charges allowed for machinery loading and unloading)**

| SI No. | Distance | (Lead) charges for tippers for Earth / Sand /Gravel / Murrum/ Lime/ Surki/ per cu.meter | (Lead) charges for trucks for Rubble/Size stones/ Cut Stones/ Coarse aggregate per cu.meter | (Lead) charges for trucks for Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed materials/ tonne | (Lead) charges for trucks per cu.meter for PCC slabs/ Shahabad slabs/ CC & Laterite blocks/ Wood/ cum | (Lead) charges for 1000 litres | (Lead) charges for trucks per 1000 nos. of bricks |
|--------|--------------------------------------|---|---|---|---|--------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Lead up to 1 km | 36.00 | 34.70 | 21.70 | 51.00 | 21.90 | 57.80 |
| 2 | Lead up to 2 km | 50.40 | 48.50 | 30.30 | 71.40 | 30.70 | 80.90 |
| 3 | Lead up to 3 km | 67.20 | 64.70 | 40.40 | 95.20 | 40.90 | 107.80 |
| 4 | Lead up to 4 km | 81.60 | 78.60 | 49.10 | 115.60 | 49.70 | 131.00 |
| 5 | Lead up to 5 km | 96.00 | 92.40 | 57.80 | 135.90 | 58.40 | 154.10 |
| 6 | for Every km beyond 5 km up to 30 km | 14.40 | 13.90 | 8.70 | 20.40 | 8.80 | 23.10 |
| 7 | for Every km beyond | 12.00 | 11.60 | 7.20 | 17.00 | 7.30 | 19.30 |

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/ Rs / cum | Rubble/ size stone/ cut stone/ Coarse aggregate , Lime in Rs/cum | Cement in Rs/tonne | Steel in Rs./tonne | Brick work Rs/1000 No |
|--------|---------------------|--|--|--------------------|--------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Loading | 24.90 | 49.80 | 82.10 | 98.50 | 68.50 |
| 2 | Unloading | 12.45 | 24.90 | 82.10 | 98.50 | 68.50 |

D. LOADING AND UNLOADING CHARGES BY MANUAL MEANS

(Including idle hire charges of trucks)

| SI No. | Description of item | Earth / Sand /Gravel Murrum/ Surki/ Rs / cum | Rubble/ size stone/ cut stone/ Coarse aggregate , Lime in Rs/cum | cement in Rs/tonne | steel in Rs./tonne | brick work Rs/1000 No |
|--------|---------------------|--|--|--------------------|--------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Loading | 129.90 | 154.80 | 197.70 | 214.00 | 259.10 |
| 2 | Unloading | 47.30 | 77.40 | 197.70 | 214.00 | 259.10 |

E. LOADING AND UNLOADING CHARGES BY MECHANICAL MEANS

(Including idle hire charges of trucks)

| SI No. | Description of item | Earth / Sand /Gravel Murrum/ Surki/ Rs / cum | Rubble/ size stone/ cut stone/ Coarse aggregate, Lime in Rs/cum |
|--------|---------------------|--|---|
| 1 | 2 | 3 | 4 |
| 1 | Loading | 57.70 | 114.90 |
| 2 | Unloading | 18.20 | 18.20 |

F. LIFT CHARGES FOR MATERIALS BY HEADLOAD

| 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 / Reinforcement steel Str steel Rs / tone | 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 | 8.80 | 6.30 | 11.70 |

HIRE CHARGES

**HIRE CHARGES OF PLANT &
MACHINERY FOR THE YEAR: 2022-23**

| Sl. No | DESCRIPTION | UNIT | CODE | Hire Charges | CODE | Fuel Charges | CODE | Crew Charges | Total in Rs |
|--------|--|------|-----------|--------------|-----------|--------------|-----------|--------------|-------------|
| 1 | Agitator car / Transit mixer 2 cum | Hour | HIR-00001 | 719.30 | HIR-00135 | 1508.60 | LAB-00317 | 391.60 | 2619.50 |
| 2 | Air compressor 5 cmm (electric) | Hour | HIR-00002 | 97.10 | HIR-00136 | 285.50 | LAB-00318 | 230.10 | 612.70 |
| 3 | Air compressor 7 cmm (diesel) | Hour | HIR-00003 | 218.50 | HIR-00137 | 1234.30 | LAB-00319 | 294.50 | 1747.30 |
| 4 | Air compressor 7 cmm (electric) | Hour | HIR-00004 | 121.70 | HIR-00138 | 380.70 | LAB-00320 | 230.10 | 732.50 |
| 5 | Air compressor 8.5 cmm (diesel) | Hour | HIR-00005 | 254.90 | HIR-00139 | 1542.90 | LAB-00321 | 294.50 | 2092.30 |
| 6 | Air compressor 8.5 cmm (Electric) | Hour | HIR-00006 | 156.40 | HIR-00140 | 475.90 | LAB-00322 | 230.10 | 862.40 |
| 7 | Air compressor 15 cmm (electric) | Hour | HIR-00007 | 123.90 | HIR-00141 | 1057.50 | LAB-00323 | 245.40 | 1426.80 |
| 8 | Angle Dozer 90 hp | Hour | HIR-00008 | 1650.20 | HIR-00142 | 1055.30 | LAB-00324 | 326.30 | 3031.80 |
| 9 | Batching plant 0.5cum(6 cum/hr) | Hour | HIR-00009 | 106.90 | HIR-00143 | 126.90 | LAB-00325 | 473.50 | 707.30 |
| 10 | Batching plant 2 x 1.00 cum(15 cum/hr) | Hour | HIR-00010 | 378.20 | HIR-00144 | 380.70 | LAB-00326 | 473.50 | 1232.40 |
| 11 | Batching plant 2 x 1.50 cum(50 cum/hr) | Hour | HIR-00011 | 579.10 | HIR-00145 | 465.30 | LAB-00327 | 473.50 | 1517.90 |
| 12 | Bending machine 3000 x 12 mm | Hour | HIR-00012 | 41.30 | HIR-00146 | 126.90 | LAB-00328 | 184.10 | 352.30 |
| 13 | Clam shell and hoisting ropes | Hour | HIR-00013 | 5.70 | HIR-00147 | 0.00 | | 0.00 | 5.70 |
| 14 | Concrete bucket 1.5 cum | Hour | HIR-00014 | 15.10 | HIR-00148 | 0.00 | | 0.00 | 15.10 |
| 15 | Concrete hand mixer 45 / 30 ltr | Hour | HIR-00015 | 5.40 | HIR-00149 | 0.00 | | 0.00 | 5.40 |
| 16 | Concrete mixer 300 / 200 (diesel) | Hour | HIR-00016 | 51.00 | HIR-00150 | 137.10 | LAB-00329 | 306.80 | 494.90 |
| 17 | Concrete mixer 300 / 200 ltr (electric) | Hour | HIR-00017 | 49.60 | HIR-00151 | 42.30 | LAB-00330 | 306.80 | 398.70 |
| 18 | Concrete mixer 600 / 400 (diesel) / 0.28 cum | Hour | HIR-00018 | 86.40 | HIR-00152 | 274.30 | LAB-00331 | 306.80 | 667.50 |
| 19 | Concrete mixer 600 / 400 ltr (electric) | Hour | HIR-00019 | 84.60 | HIR-00153 | 84.60 | LAB-00332 | 306.80 | 476.00 |

Machinery Hire Charges – Common SoR 2022-23

| | | | | | | | | | |
|-----------|--------------------------------|------|---------------|--------|---------------|------|---------------|--------|--------|
| 20 | Concrete paver 100 sqm / hr | Hour | HIR- 00020 | 334.20 | HIR- 00154 | 0.00 | LAB- 00333 | 589.10 | 923.30 |
|-----------|--------------------------------|------|---------------|--------|---------------|------|---------------|--------|--------|

Machinery Hire Charges – Common SoR 2022-23

| Sl. No | DESCRIPTION | UNIT | CODE | Hire Charges | CODE | Fuel Charges | CODE | Crew Charges | Total in Rs |
|---------------|--|-------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|--------------------|
| 21 | Convey mucker | Hour | HIR-00021 | 775.90 | HIR-00155 | 294.40 | LAB-00334 | 245.40 | 1315.70 |
| 22 | Core drilling machine / Drilling equipment | Hour | HIR-00022 | 303.10 | HIR-00156 | 411.40 | LAB-00335 | 391.60 | 1106.10 |
| 23 | Diesel generating set 30 KVA | Hour | HIR-00023 | 62.90 | HIR-00157 | 1097.10 | LAB-00336 | 184.10 | 1344.10 |
| 24 | Diesel generating set 50 KVA | Hour | HIR-00024 | 78.60 | HIR-00158 | 1645.70 | LAB-00337 | 184.10 | 1908.40 |
| 25 | Diesel Loco 45 hp | Hour | HIR-00025 | 362.90 | HIR-00159 | 925.70 | LAB-00338 | 230.10 | 1518.70 |
| 26 | Dewatering pump 5 hp (diesel) | Hour | HIR-00026 | 9.70 | HIR-00160 | 137.10 | LAB-00339 | 153.50 | 300.30 |
| 27 | Dewatering pump 5 hp (electric) | Hour | HIR-00027 | 2.90 | HIR-00161 | 42.30 | LAB-00340 | 115.10 | 160.30 |
| 28 | Dewatering pump 10 hp (diesel) | Hour | HIR-00028 | 14.70 | HIR-00162 | 274.30 | LAB-00341 | 153.50 | 442.50 |
| 29 | Dewatering pump 10 hp (electric) | Hour | HIR-00029 | 6.40 | HIR-00163 | 84.60 | LAB-00342 | 115.10 | 206.10 |
| 30 | Dewatering pump 20 hp (diesel) | Hour | HIR-00030 | 46.60 | HIR-00164 | 548.60 | LAB-00343 | 153.50 | 748.70 |
| 31 | Dewatering pump 20 hp (electric) | Hour | HIR-00031 | 12.00 | HIR-00165 | 169.20 | LAB-00344 | 115.10 | 296.30 |
| 32 | Drifter | Hour | HIR-00032 | 305.30 | HIR-00166 | 0.00 | LAB-00345 | 489.50 | 794.80 |
| 33 | Drilling jumbo | Hour | HIR-00033 | 356.70 | HIR-00167 | 74.10 | LAB-00346 | 245.40 | 676.20 |
| 34 | Dumper 4.5 cum | Hour | HIR-00034 | 568.50 | HIR-00168 | 691.20 | LAB-00347 | 313.20 | 1572.90 |
| 35 | Geophysical Electric resistivity meter | Hour | HIR-00035 | 102.70 | HIR-00169 | 0.00 | | 0.00 | 102.70 |
| 36 | Grouting pump | Hour | HIR-00036 | 22.60 | HIR-00170 | 42.30 | LAB-00348 | 368.20 | 433.10 |
| 37 | Guniting / sand blast equipment | Hour | HIR-00037 | 116.90 | HIR-00171 | 0.00 | LAB-00349 | 306.80 | 423.70 |
| 38 | Ice plant & accessories 30 t / day | Hour | HIR-00038 | 175.50 | HIR-00172 | 1205.50 | LAB-00350 | 184.10 | 1565.10 |
| 39 | Jack hammer | Hour | HIR-00039 | 18.60 | HIR-00173 | 0.00 | LAB-00351 | 460.20 | 478.80 |
| 40 | Needle vibrator 40 mm (petrol) | Hour | HIR-00040 | 7.40 | HIR-00174 | 30.80 | LAB-00352 | 220.90 | 259.10 |
| 41 | Needle vibrator 40 mm (electric) | Hour | HIR-00041 | 7.80 | HIR-00175 | 8.50 | LAB-00353 | 220.90 | 237.20 |
| 42 | Needle vibrator 60 mm (petrol) | Hour | HIR-00042 | 7.70 | HIR-00176 | 46.20 | LAB-00354 | 220.90 | 274.80 |
| 43 | Needle vibrator 60 | Hour | HIR- | 9.50 | HIR- | 12.70 | LAB- | 220.90 | 243.10 |

Machinery Hire Charges – Common SoR 2022-23

| | | | | | | | | | |
|--|-----------------|--|-------|--|-------|--|-------|--|--|
| | mm (electric) | | 00043 | | 00177 | | 00355 | | |
|--|-----------------|--|-------|--|-------|--|-------|--|--|

Machinery Hire Charges – Common SoR 2022-23

| Sl. No | DESCRIPTION | UNIT | CODE | Hire Charges | CODE | Fuel Charges | CODE | Crew Charges | Total in Rs |
|---------------|--|-------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|--------------------|
| 44 | Planing machine 4 m stroke | Hour | HIR-00044 | 119.60 | HIR-00178 | 126.90 | LAB-00356 | 294.50 | 541.00 |
| 45 | Plate shearing machine upto 12 mm | Hour | HIR-00045 | 42.70 | HIR-00179 | 169.20 | LAB-00357 | 195.80 | 407.70 |
| 46 | Pneumatic placer 0.5 cum | Hour | HIR-00046 | 164.50 | HIR-00180 | 0.00 | LAB-00358 | 119.90 | 284.40 |
| 47 | Pneumatic tamper | Hour | HIR-00047 | 19.60 | HIR-00181 | 0.00 | LAB-00359 | 368.20 | 387.80 |
| 48 | Pug cutting machine | Hour | HIR-00048 | 6.90 | HIR-00182 | 4.20 | | 0.00 | 11.10 |
| 49 | Pusher leg | Hour | HIR-00049 | 12.70 | HIR-00183 | 0.00 | | 0.00 | 12.70 |
| 50 | Road roller diesel 10 t | Hour | HIR-00050 | 192.30 | HIR-00184 | 1234.30 | LAB-00360 | 299.50 | 1726.10 |
| 51 | Shovel 0.50 cum 75 hp | Hour | HIR-00051 | 987.00 | HIR-00185 | 822.09 | LAB-00361 | 326.30 | 2136.20 |
| 52 | Shovel 0.85 cum 110 hp / Hydraulic Excavator | Hour | HIR-00052 | 1648.80 | HIR-00186 | 1508.60 | LAB-00362 | 326.30 | 3483.70 |
| 53 | Stationery derrick crane | Hour | HIR-00053 | 80.90 | HIR-00187 | 0.00 | | 0.00 | 80.90 |
| 54 | Tipper 5 / 5.5 cum | Hour | HIR-00054 | 436.30 | HIR-00188 | 518.40 | LAB-00363 | 244.70 | 1199.40 |
| 55 | Tipping tub 1.5 cum | Hour | HIR-00055 | 62.40 | HIR-00189 | 0.00 | | 0.00 | 62.40 |
| 56 | Tower crane 5 tonne | Hour | HIR-00056 | 803.70 | HIR-00190 | 220.00 | LAB-00364 | 261.00 | 1284.70 |
| 57 | Transformer 250 KVA | Hour | HIR-00057 | 5400.30 | HIR-00191 | 0.00 | | 0.00 | 5400.30 |
| 58 | Truck 10 t / Truck 5.5 cum per 10 tonnes | Hour | HIR-00058 | 395.30 | HIR-00192 | 518.40 | LAB-00365 | 241.80 | 1155.50 |
| 59 | Truck mounted derrick crane 5 t | Hour | HIR-00059 | 512.50 | HIR-00193 | 518.40 | LAB-00366 | 241.80 | 1272.70 |
| 60 | Upright drilling machine/Grinder | Hour | HIR-00060 | 21.80 | HIR-00194 | 42.30 | LAB-00367 | 269.10 | 333.20 |
| 61 | Ventilation fan 20 hp | Hour | HIR-00061 | 12.10 | HIR-00195 | 169.20 | LAB-00368 | 39.70 | 221.00 |
| 62 | Vibratory pad foot roller 8 t | Hour | HIR-00062 | 1328.10 | HIR-00196 | 1782.90 | LAB-00369 | 368.20 | 3479.20 |
| 63 | Wagon drill | Hour | HIR-00063 | 182.50 | HIR-00197 | 0.00 | LAB-00370 | 391.60 | 574.10 |
| 64 | Water tanker 8000 ltr | Hour | HIR-00064 | 408.30 | HIR-00198 | 518.40 | LAB-00371 | 241.80 | 1168.50 |

Machinery Hire Charges – Common SoR 2022-23

| | | | | | | | | | |
|-----------|-------------|------|-----------|-------|-----------|--------|--|------|--------|
| 65 | Welding set | Hour | HIR-00065 | 16.20 | HIR-00199 | 101.50 | | 0.00 | 117.70 |
|-----------|-------------|------|-----------|-------|-----------|--------|--|------|--------|

Machinery Hire Charges – Common SoR 2022-23

| Sl. No | DESCRIPTION | UNIT | CODE | Hire Charges | CODE | Fuel Charges | CODE | Crew Charges | Total in Rs |
|---------------|--|-------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|--------------------|
| 66 | Winch 35 hp (electric) | Hour | HIR-00066 | 133.20 | HIR-00200 | 207.30 | LAB-00372 | 368.20 | 708.70 |
| 67 | Hydraulic Truck Crane 30T | Hour | HIR-00068 | 3090.40 | HIR-00202 | 2035.30 | LAB-00373 | 736.30 | 5862.00 |
| 68 | Hydraulic Truck Crane 16T | Hour | HIR-00069 | 2184.70 | HIR-00203 | 1800.00 | LAB-00374 | 736.30 | 4721.00 |
| 69 | Heavy Duty Airless Spray Painting Equipment | Hour | HIR-00070 | 118.60 | HIR-00204 | | | | 118.60 |
| 70 | Concrete Placer Pump (25 cum/hr) (Electric) / 30 Cum | Hour | HIR-00071 | 909.80 | HIR-00205 | 507.60 | LAB-00375 | 230.10 | 1647.50 |
| 71 | Tractor with 2T roller | Hour | HIR-00067 | 390.00 | HIR-00201 | | | | 390.00 |

GOVERNMENT OF ANDHRA PRADESH



BUILDINGS SoR: 2022-23

SCHEDULE OF RATES FOR BUILDINGS WORKS

FOR THE YEAR 2022-23

ALL ENGINEERING
DEPARTMENTS

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

Procs.No. 20938/SOR/DCE(B)/EE(B)/DEE(B)/AEE/2021, Dt. 15.06.2022

Sub:- Printing of Buildings-SoR for all the Engineering Departments specific to the functioning of Building works – Buildings-SoR:2022-23– 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 03.06.2022

The Government of Andhra Pradesh have constituted a Committee of Engineer -in-Chiefs /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 has in their concluding meeting dt: 03.06.2022 finalized and approved the Buildings-SoR: 2022-23.

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 for Labour, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges are applicable as per approved and published Common SoR-2022-23 .

The Heads of Departments mentioned below are authorized to print the Buildings-SoR: 2022-23. Unauthorized printing & selling of the Buildings-SoR is strictly prohibited.

The Buildings SoR 2022-23 will come into force along with common SoR from the date decided by the BoCE.

The receipt of the proceedings may please be acknowledged.

Enclosures: Buildings SoR: 2022-23 as above

Sd/-
P.C Ramesh Kumar
Chief Engineer (R&B) Buildings, RSW ,
NABARD, RR,& LWE,
Convener-Member,
Committee of Chief Engineers-Buildings-SoR

To

- 1) Engineer-In-Chief, Public Health Engineering, Member, Flat No.504 &601, Garuda Enclave, Tadepalli , Guntur-522501.
- 2) Engineer-In-Chief,Panchayathraj, Member, Administration, PMGSY,APRRP-AIIB,VQC,ZP compound, opp PWD Grounds, MG Road, Vijayawada - 520002.

- 3) Engineer-In-Chief, Tribal Welfare , Member, D.No.40-6-22A, Kandhari Hotel Road, Adjacent to Southern Spice, Revenue Colony, Vijayawada-520010.
- 4) Chief Engineer, A.P. Housing Board, Member, D.No. 5-21, Prasadampadu, Elururoad, Vijayawada -521108
- 5) Chief Engineer, A.P. Housing Corporation, S.P's river view apartments, 2nd floor, Tadepalli , Amaravati-522501..
- 6) Chief Engineer, APSRTC, RTC House, 1st Floor of PNBS, Vijayawada.
- 7) Chief Engineer, A.P. Medical Services and Infrastructure Development Corporation, Member, Autonagar, Mangalagiri, 522503. Andhrapradesh
- 8) Chief Engineer, Police Housing Corporation, AP, Member, Tadepalli, Vijayawada
- 9) Chief Engineer (R&B) Electrical, Member, M.G.Road, Vijayawada.
- 10) Chief Engineer, Civil TTD, Member, Administrative Building, KT Road, Tirupathi, 517501 -AP.
- 11) Chief Engineer, O/o Vijayawada Municipal Corporation, Canal road, Krishnalanka, Vijayawada ,520001A.P.

Copy to

1. The Engineer-in-Chief (Admn ,), R&B Department, M.G road, Vijayawada.
2. The Chief Engineer (QC), R&B Department, M.G road , Vijayawada .
3. The Chief Engineer (COT), 76-16-4A/1, 1st floor, Iron Yard, Opp. to Ramayalam, Gollapudi, Vijayawada-520012.
4. The Chief Engineer, APRSCL, D.No.5-21, Hostel Road, Prasadampadu, Vijayawada-521108.
5. The Chief Engineer, APEWIDC, Door No.9-76 , Sai fortune Heights , Block A, Vaddeswaram Village, Guntur District - 522 502.

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| IV | SUB-SECTION | GROUTS | | |
| V | SUB-SECTION | BONDING AGENTS | | |
| VI | SUB-SECTION | SEALANTS | | |
| VII | SUB-SECTION | PROTECTIVE WATERPROOF COATINGS / CEMENT BASED COATINGS : | | |
| VIII | SUB-SECTION | ANTI CORROSIVE AGENTS | | |
| IX. | SUB-SECTION | CURING COMPOUND & MISCELLANEOUS CHEMICALS | | |

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|-----------|-------------|---|------|----|
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| II | SUB-SECTION | DISTEMPER PAINTS | | |
| III | SUB-SECTION | EMULSION BASED PAINTS | | |
| IV | SUB-SECTION | SOLVENT BASED PAINTS | | |
| V | SUB-SECTION | OIL BASED ENAMEL PAINTS | | |
| VI | SUB-SECTION | TEXTURE PAINTS | | |
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| III | SUB-SECTION | MEDIUM DENSITY FIBRE BOARDS | | |
| IV | SUB-SECTION | CEMENT BONDED PARTICLE BOARDS | | |
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| III | SUB-SECTION | VENEERED DECORATIVE PLYWOOD | | |
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| SI. No | SECTION | DESCRIPTION OF THE ITEM | FROM | TO |
|-----------|-------------|---|------|-----|
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BUILDINGS SoR: 2022-23

(Civil, Water Supply & Sanitary, Electrical and Electro-Mechanical items)

PREAMBLE

1.0 INTRODUCTION

The Government have issued orders vide. G.O.Rt.No.95, T, R&B (R.1Buildings) Dept., dt:18.01.2015 constituting a Committee comprising of Chief Engineers of departments in-charge of execution of building works for finalization of Schedule of Rates for Buildings (Civil, Water Supply & Sanitary and Electrical and Electro-Mechanical items). The meeting of the above “SoR Committee of Chief Engineers for Buildings (Civil, Water Supply & Sanitary, Electrical and Electro-Mechanical items)” was convened several times during the year 2022 and finalized on 15.06.2022 with an objective to finalize and release the Buildings- SoR: 2022-23.

For Labour Rates the labour commissioner of AP recommendations are taken into account. BoCE labour rates are referred. For different sections of materials, market rates are obtained utilizing the services of member departments.

Meetings were conducted with the members of Builders Association of India (Andhra Pradesh) to receive the feedback, certain market trends and data on need for updating the SoR rates for the year 2022-23

The market and price indices were found to be volatile and fluctuating. The base prices of the materials impacted by the variation due to HSD/ Petrol is considered. Similarly, the impact of international price variations due to recent developments were also considered.

The rates and procedures followed in Telangana SoR 2021-22 and the present rates taken in the guidance .

2.0 APPLICABILITY OF COMMON SoR – 2022-23

The rates of labour, common materials & work items, Public Health items, conveyance rates of materials & hire charges approved and published in Common SoR-2022-23 remain applicable. The specifications, stipulations & all other conditions of Common-SoR other than those specified in this context remain applicable.

3.0 QUOTATION ITEMS

Requests for inclusion of new items have been examined with respect to the market trends, technological changes, need for use and general practices. For those items where specific quotations from the manufacturers, suppliers or vendors are received, lowest quoted rates are considered and specifications were included in Buildings SoR: 2022-23. Further, list of new brands that are proposed for inclusion in Buildings SoR:2022-23 is appended

4.0 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. CP & OH @13.615% shall be followed for analysis of all items of work both schedule & Non schedule pertaining to Civil, Electrical, Electro mechanical, Water supply & Sanitary and Horticulture works etc. For the purpose of estimation, justification and to the additional/ substituted items/deviated quantities of items to be sanctioned on market rates behind deviation limit etc. carried out under the contract wherever applicable.
- c. 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 all original works and Renovation works subject** 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 worksites.
 - 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 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 over tax is replaced with GST wef 01.07.2017. The rates arrived in this SoR are only basic rates which are exclusive of all taxes. However, as per the suggestion of BoCE, the provision towards Works Contract Tax as per applicable GST rates 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.

5.0 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, Electrical and Electro-Mechanical items of building works shall be allowed wherever applicable as per the guidelines and preamble of Common SoR: 2022-23. 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, Electrical and Electro-Mechanical items of building works may be allowed on specific recommendation from such Area Development Authorities.
2. It is recommended to allow 15% allowance known as 'VVIP area allowance' on the labour charges for the works which are taken up in VVIP areas such as Hon'ble Governor's residence, Hon'ble Chief Minister's residence, Hon'ble Judges residence, Hon'ble High-Court, and places like secretariat or areas where VVIP presence / movement imposes restrictions on labour mobilization, labour movement, and causes hindrance in regular work.
3. The VVIP area allowance is over and above all the allowances that are applicable on labour charges.
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 Electrical and Electro-Mechanical items and corresponding rates, as proposed by the Chief Engineer (R&B) Electrical have been considered in the Buildings SoR-2022-23.
7. 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).
8. No allowance towards 'Labour Importation & Labour Amenities' shall be added to the data as they are included in the provision of 'Over heads and contractor's profit'.
9. For all the materials, the basic rates given in the Buildings SoR are 'landing prices' at the site which are exclusive of all taxes, except where mentioned specifically.
10. For Water Supply Sanitary items, 5% on material items and 7% on labour items is enhanced over SoR 2021-22 rates.
11. UPVC pipes were included in \water supply and sanitary items.
12. PEB structures were incorporated in AB section
13. The estimate preparing and sanctioning authorities are requested to invariably enclose (i) quarry maps showing the shortest distance from the work site to the quarry from where materials are proposed to be carted and (ii) certificates of quality, quantity, and availability of materials in the identified quarries, for all those lead items of estimate at the time of technical sanctions.
14. For the materials where the basic rates are mentioned as 'quarry rates' in the Buildings SoR 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.
15. The conveyance charges per unit quantity of the materials are worked out, and provided in the schedule of rates reckoning
 - i) for head loads with increment of 50 m upto 150m
 - ii) for mechanical conveyance with increment of 1 KM.
16. 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.
17. Loading and unloading charges are not payable for conveyance by head load.
18. Loading and Unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.
19. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
20. 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.
21. Unless otherwise specified, all material rates shall be exclusive of all taxes, duties, levies, royalty/seigniorage.
22. Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
23. 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.
24. 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'.
25. 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.
26. The technical specifications and the rates of the corresponding items given in the SoR

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.

27. Steel Centering & Scaffolding charges for Shear walls, RCC walls and Water tank walls are incorporated in this Buildings SoR 2022-23. The rates given in the SoR are for both faces of the respective members. The measurement of centering charges shall be in 'sqm' for one face only and the centering charges given are for two faces of centering.
28. Double Grooved and Precoated extruded Mineral (Cement) roof tiles are introduced.
29. Clarity on nomenclature of Floors for data calculations is given as below

| For | To Read |
|------------|----------------|
| GF | F1 |
| FF | F2 |
| SF | F3 |
| TF | F4 |

30. A separate section for Post Tensioning works is introduced.

6.0 CONCLUSION

1. The Committee of Chief Engineers on Buildings-SoR: 2022-23 (Civil & Electrical) has met in the chambers of Chief Engineer (R&B) Buildings & RSW, several times during the year 2022 and approved the Buildings SoR:2022-23, without any tax elements based on the representations received from various Engineering Departments. GST shall be provided as per GST Act in Part-B of the estimate during preparation of estimates.
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 Technical Specifications and Rates adopted in the estimates.

BUILDING ITEMS

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|------------------------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| A.SECTION | | | BRICKS & BUILDING BLOCKS (ex-quarry price - excluding cost of conveyance, loading & unloading) | | |
| I. SUB- SECTION | | | ORDINARY CLAY BRICKS | | |
| 1 | MAT-00721 | BMT-A.01 | Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Non-Modular of traditional size 23 x 11 x 7 cm | 1000 Nos | 7500 |
| 2 | MAT-00748 | BMT-A.02 | Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Modular of traditional size 19 x 9 x 9 cm | 1000 Nos | 8400 |
| | | II. SUB-SECTION | FLY-ASH CEMENT/LIME SOLID BLOCKS (ex-quarry price - excluding cost of conveyance, loading & unloading) | | |
| 3 | MAT-00749 | 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 | 30 |
| 4 | MAT-00750 | 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 | 27 |
| 5 | MAT-00751 | 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 | 22 |
| 6 | MAT-00752 | 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 | 18 |
| 7 | MAT-00753 | 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 | 10 |
| 8 | MAT-00754 | 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 | 18 |
| 9 | MAT-00755 | 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 | 14 |
| 10 | MAT-00756 | 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 | 30 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|--------------------------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 11 | MAT-00757 | 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 | 23 |
| 12 | MAT-00758 | BMT-A.12 | Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 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 | 23 |
| 13 | MAT-00759 | 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 | 14 |
| 14 | MAT-00760 | 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 | 7 |
| 15 | MAT-00761 | 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 | 13 |
| 16 | MAT-00762 | 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 | 12 |
| 17 | MAT-00763 | BMT-A.17 | Supply of well burnt cinder aggregates as per IS: 2686-1977 | 1 Cum | 650 |
| III. SUB- SECTION | | | AUTOCLAVED CONCRETE BLOCKS (landing cost - including cost of conveyance, loading & unloading) | | |
| | | | Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm² | | |
| 18 | MAT-00764 | BMT-A.18 | 600 x 200 x 100 mm | Each | 53 |
| 19 | MAT-00765 | BMT-A.19 | 600 x 200 x 150 mm | Each | 75 |
| 20 | MAT-00766 | BMT-A.20 | 600 x 200 x 200 mm | Each | 105 |
| 21 | MAT-00767 | BMT-A.21 | 600 x 200 x 230 mm | Each | 115 |
| 22(a) | MAT-05337 | BMT-A.22 | Supply of Cement based, Polymer modified Pre-mixed dry jointing mortar for laying AAC Blocks – Masonry Glue 110 or equivalent | 1Kg | 17 |
| 22(b) | | BMT-A.23 | Supply of Cement based, Polymer | 1Kg | 13 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | modified Pre-mixed bonding coat for plastering on smooth concrete/masonry surfaces. | | |
| 22(c) | | BMT-A.24 | Supply of Cement based, Polymer modified Pre-mixed dry plastering mortar for plastering walls, columns, ceilings. | 1Kg | 10 |
| 22(d) | | BMT-A.25 | Supply of Cement based, Polymer modified Pre-mixed dry mortar for fixing tiles on walls & floors | 1Kg | 15 |
| B.SECTION | | | NATURAL FLOORING STONES (ex-quarry price – excluding cost of conveyance, loading & unloading) | | |
| I.SUB- SECTION | | | LOCALLY AVAILABLE FLOORINGSTONES | | |
| 23 | MAT-00768 | BMT-B.01 | Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M | 1 Sqm | 125 |
| 24 | MAT-00769 | BMT-B.02 | Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M | 1 Sqm | 145 |
| 25 | MAT-00770 | BMT-B.03 | Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick | 10 Sqm | 1150 |
| 26 | MAT-00771 | BMT-B.04 | Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick | 10 Sqm | 1500 |
| 27 | MAT-00772 | BMT-B.05 | Polished Shahabad/ Tandur stone slabs of 15 to 18 mm thick | 10 Sqm | 1900 |
| 28 | MAT-00773 | BMT-B.06 | Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M) | 10 Sqm | 1750 |
| 29 | MAT-00774 | BMT-B.07 | Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M) | 10 Sqm | 4600 |
| 30 | MAT-00775 | BMT-B.08 | Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M) | 10 Sqm | 3200 |
| 31 | MAT-00784 | BMT-B.17 | Polished black Kadapa slabs of all sizes between 25 - 30 mm thickness | 10 Sqm | 1850 |
| II.SUB- SECTION | | | NATURAL FLOORING STONES –MARBLE | | |
| 32 | MAT-00779 | 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 | 780 |
| 33 | MAT-00780 | 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 | 640 |
| 34 | MAT-00781 | BMT-B.14 | Polished Marble slabs of any variety and | 1 sqm | 1070 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | gang saw cut (Such as Dongari/ Adanga/ Marodh/ Rajgangpur etc) 16 mm to 20 mm (average) thick (0.610 M width of any length) | | |
| 35 | MAT-00782 | BMT-B.15 | Polished Marble Tiles of 8 - 10 mm thickness of all sizes and varieties | 1 sqm | 510 |
| III.SUB- SECTION | | | NATURAL FLOORING STONES –GRANITE | | |
| 36 | MAT-00776 | BMT-B.09 | High Polished Granite 16 to 18 mm thick up to 2.43 M other than black/ premium colours | 1 sqm | 2800 |
| 37 | MAT-00777 | BMT-B.10 | High Polished Granite 16 to 18 mm thick up to 2.43 M other than black and regular colours | 1 sqm | 2500 |
| 38 | MAT-00778 | BMT-B.11 | High Polished Granite 16 to 18 mm thick up to 2.43 M black | 1 sqm | 2100 |
| 39 | MAT-00783 | BMT-B.16 | Granite stone tiles 8 mm thick (mirror polished of all shades) | 1 sqm | 1100 |
| C.SECTION | | | WALL & FLOOR TILES (Landing cost – including loading, cost of conveyance, unloading) | | |
| I.SUB- SECTION | | | NON-PORCELAIN CERAMIC FLOOR TILES | | |
| 40 | MAT-00785 | BMT-C.01 | Supply of Non-skid red or white full body Ceramic floor tiles of Size 300 mm x 300 mm and thickness between 7-8 mm and 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 | 370 |
| 41 | MAT-00786 | BMT-C.02 | Supply of Non-skid red or white full body Ceramic floor tiles of Size 450 mm x 450 mm and thickness between 7-8 mm and 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 | 375 |
| 42 | MAT-00787 | BMT-C.03 | Supply of Non-skid red or white full body Ceramic floor tiles of Size 600 mm x 600 mm and thickness between 8-10 mm and 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 | 510 |
| 43 | MAT-00788 | BMT-C.04 | 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 mm x 600 mm and thickness | 1 sqm | 520 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | between 8-10 mm and 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | | |
| II. SUB- SECTION | | | PORCELAIN VITRIFIED FLOOR TILES | | |
| 44 | MAT-00789 | BMT-C.05 | ITEM DELETED | | |
| 45 | MAT-00790 | BMT-C.06 | 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 | 425 |
| 46 | MAT-00791 | BMT-C.07 | 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 | 450 |
| 47 | MAT-00792 | BMT-C.08 | ITEM DELETED | | |
| | | | Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs | | |
| 48 | MAT-00793 | BMT-C.09 | 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 and 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 | 612 |
| 49 | MAT-00794 | BMT-C.10 | 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 and 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 | 758 |
| 50 | MAT-00795 | BMT-C.11 | ITEM DELETED | | |
| 51 | MAT-00796 | BMT-C.12 | Supply of digital / polished glazed full | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|----------------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and Size 800 x 800 mm and thickness between 9-11 mm of 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 | 750 |
| 52 | MAT-00797 | BMT-C.13 | 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 Size 900 x 900 mm and thickness between 9-11 mm of 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 | 924 |
| 52(a) | | BMT-C.13(a) | Supply of glazed vitrified tiles with matt finish of size 600 x600mm and thickness between 9-10 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 | 818 |
| 53 to 59 | | BMT-C.14 to BMT-C.20 | ITEMS DELETED | | |
| III.SUB- SECTION | | | CERAMIC WALL TILES | | |
| 60 | MAT-00805 | BMT-C.21 | 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 and 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 | 330 |
| 61 | MAT-00806 | BMT-C.22 | 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 and 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 | 410 |
| 62 | MAT-00807 | BMT-C.23 | Supply of glazed red or white full body ceramic wall tiles of Size 300 x 600 mm and thickness between 6-8 mm and 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 | 550 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|----------------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| IV.SUB-SECTION | | | PORCELAIN WALL TILES | | |
| 63 | MAT-00808 | BMT-C.24 | 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 | 580 |
| 64 | MAT-00809 | BMT-C.25 | 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 | 589 |
| 65 | MAT-00810 | BMT-C.26 | 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 | 595 |
| 66 | MAT-00811 | BMT-C.27 | 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 | 625 |
| 67 | MAT-00812 | BMT-C.28 | 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 | 740 |
| 68 to 70 | | BMT-C.29 to BMT-C.31 | ITEMS DELETED | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|----------------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 71 | MAT-00816 | BMT-C.32 | Providing and fixing wall dado with epoxy emulsion grout/ synthetic/ resin based adhesive in specified thick and pointing with specified colour epoxy grout excluding cost of tiles | 1 sqm | 315 |
| 72 | MAT-00817 | BMT-C.33 | 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 | 161 |
| 73 | MAT-00818 | BMT-C.34 | 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 | 310 |
| 74 | MAT-00819 | BMT-C.35 | 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 | 162 |
| 75 | MAT-00820 | BMT-C.36 | 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 | 591 |
| 76 | MAT-00821 | BMT-C.37 | 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 | 310 |
| 77 | | BMT-C.50 | Breeze blocks of size 8"x8" and thickness 60mm | 1 sqm | 39 |
| 78 | | BMT-C.51 | Ventilations of size 12"x18" and thickness 40mm | 1 sqm | 90 |
| 79 | | BMT-C.52 | Ventilations of size 12"x24" and thickness 40mm | 1 sqm | 120 |
| V.SUB- SECTION | | | GLASS MOSAIC TILES | | |
| 79 to 81 | | BMT-C.38 to BMT-C.40 | ITEMS DELETED | | |
| VI.SUB- SECTION | | | WALL CLADDING TILES | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 82 | MAT-00825 | BMT-C.41 | 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 | 550 |
| 83 | MAT-00826 | BMT-C.42 | 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 | 435 |
| 84 | MAT-00827 | BMT-C.43 | 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 | 445 |
| 85 | MAT-00828 | BMT-C.44 | ITEM DELETED | | |
| 86 | MAT-08731 | BMT-C.45 | Brick tiles of size 230mm x 75 mm and 12mm thick | 1 sqm | 432 |
| 87 | MAT-08732 | BMT-C.46 | Natural stone (Bethamcherla or equivalent) of size not exceeding 300mm x300mm and 18-20mm thick | 1 sqm | 535 |
| 88 | MAT-08733 | BMT-C.47 | Terracotta tiles size 125mm x 200mm and 12-15mm thick | 1 sqm | 400 |
| VII SUBSECTION | | | EPOXY FLOORING, COVING | | |
| 89 | MAT-08734 | BMT-C.48 | Supply and application of epoxy flooring of light green or light blue colour seamless joint free finish with 3mm thickness and anti slip & water washable chemical resistance durable and non particle shedding with attractive finishing | 1 sqm | 1862 |
| 90 | MAT-08735 | BMT-C.49 | Supply and application of epoxy coving 50mmx50mm width at the corners of the walls | 1 RM | 500 |
| VIIISUB-SECTION | | | ROOF TILES | | |
| 91 | | BMT-C.53 | Supply and installation of Double grooved and precoated extruded mineral (cement) roof tiles of size 420 mmx330 mm of corrugated profile tiles with variable overlapping for coverage of 1-1.2 per tile with European standards BEEN 490:2004 | | |
| 91 (a) | | BMT-C.53(a) | Monotone colour ; Orange, red | 1 Sqm | 1122 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|---------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 91(b) | | BMT-C.53 (b) | Dual colours : Antique Red, Grey, Brown etc | 1 Sqm | 1240 |
| 91(c) | | BMT-C.53 (c) | Premium Colors : Antique green and blue | 1 Sqm | 1544 |
| 92 | | BMT-C.54 | Supply and installation of precoated extruded mineral (cement) ridge tiles and other fittings of same brand | | |
| 92. (a) | | BMT-C.54 (a) | Monotone colour ; Orange, red | 1 Sqm | 490 |
| 92. (b) | | BMT-C.54(b) | Dual colours : Antique Red, Grey, Brown etc | 1 Sqm | 553 |
| 92. (c) | | BMT-C.54 (c) | Premium Colors : Antique green and blue | 1 Sqm | 642 |
| 93 | | BMT-C.55 | Supply of Imported Heat reflective cum Water Proof Sheet Veltiun RadenSheild of thickness 550 micron+/-10 microns with Nail Sealant for complete water tightness, Poly proplene Spun bound layer for better strength and Aluminium Foil for Heat Reflection of size per roll is 1.25X50m for coverage of 62.5 Sqmtrs with required tape for joints and overlapping. | 1 Sqm | 655 |
| 94 | | BMT-C.56 | Supply of Imported UV Resistant & Flame Resistant Stretchable Corrugated surface with Special adhesive for avoiding Cement Motor under Ridges size of Roll is 5MX25Cms | 1 Sqm | 950 |
| 95 | | BMT-C.57 | Supply of High Quality Aluminium Bent valleys which can easy foldable as per site condition to prevent back flow of rain Water Back Flow and to avoid leakages at Valley Area of size 1.2MX36Cm of any Reputed make | 1 sqm | 835 |
| D.SECTION | | | PAVING & INTERLOCKING TILES | | |
| I.SUB- SECTION | | | TERRAZO FLOOR TILES (PLAIN & CHEQURED) (landing cost - including cost of conveyance, loading & unloading) | | |
| 96 | MAT-00829 | 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 | 315 |
| 97 | MAT-00830 | BMT-D.02 | 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 | 330 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 98 | MAT-00831 | BMT-D.03 | 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 | 340 |
| II.SUB- SECTION | | | CEMENT CONCRETE FLOOR TILES (PLAIN & CHEQUERED) | | |
| 99 | MAT-00832 | BMT-D.04 | 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 | 255 |
| 100 | MAT-00833 | BMT-D.05 | 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 | 300 |
| 101 | MAT-00834 | BMT-D.06 | 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 | 310 |
| 102 | MAT-00835 | BMT-D.07 | 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 | 325 |
| 103 | MAT-00836 | BMT-D.08 | 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 | 330 |
| 104 | MAT-00837 | BMT-D.09 | 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 | 350 |
| 105 | MAT-00838 | BMT-D.10 | Supply of high strength Cement Concrete plain Step tile 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 | 500 |
| 106 | MAT-00839 | BMT-D.11 | 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 | 525 |
| III.SUB- SECTION | | | PRE-CAST CONCRETE BLOCKS FORPAVING | | |
| 107 | MAT-00840 | BMT- | Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas | 1 | 350 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | D.12 | conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | Sqm | |
| 108 | MAT-00841 | BMT-D.13 | 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 | 390 |
| 109 | MAT-00842 | BMT-D.14 | 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 | 550 |
| 110 | MAT-00843 | BMT-D.15 | 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 | 610 |
| 111 | MAT-00844 | BMT-D.16 | 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 | 700 |
| 112 | LAB-01180 | BMT-D.17 | 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 | 220 |
| 113 | MAT-08736 | BMT-D.21 | Supply of Glass Fibre Reinforced Concrete Tiles of size 300 x 300 mm /400 x 400 mm and thickness of not less than 25mm heavy duty conforming to IS 13801 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 426 |
| 114 | MAT-08737 | BMT-D.22 | Supply of Glass Fibre Reinforced Concrete Pavers of size 225 x 175 mm and thickness of not less than 60mm heavy duty conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification | 1 Sqm | 577 |
| IV.SUB-SECTION | | | VINYL FLOORING | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 115 | MAT-05338 | BMT-D.18 | 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 | 900 |
| 116 | MAT-05339 | BMT-D.19 | 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 | 588 |
| 117 | MAT-05340 | BMT-D.20 | 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 | 425 |
| 118 | | BMT-D.21 | Grass pavers of size 10"x10" and thickness 60mm | 1 Sqm | 50 |
| 119 | | BMT-D.22 | Grass pavers of size 12"x12" and thickness 60mm | 1 Sqm | 72 |
| 120 | | BMT-D.23 | Roof cool tiles of size 10"x10" and thickness 15mm | 1 Sqm | 30 |
| E.SECTION | | | TIMBER & ROOFING MATERIALS (Landing cost – including cost of conveyance, loading & unloading) Note: Before proposing the Teak Wood/Items, the estimating authorities shall obtain prior approval from the competent authority | | |
| I.SUB- SECTION | | | MEDIUM TEAK WOOD | | |
| 121 | MAT-00846 | BMT-E.01 | Medium Teak Wood scantlings: up to 2.0 M | 1 cum | 81950 |
| 122 | MAT-00847 | BMT-E.02 | Medium Teak Wood scantlings: 2.0 to 3.0 M | 1 cum | 92130 |
| 123 | MAT-00848 | BMT-E.03 | Medium Teak Wood scantlings: above 3.0 M | 1 cum | 102256 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 124 | MAT-00849 | BMT-E.04 | Medium Teak Wood Plancks: any thickness | 1 cum | 160920 |
| II.SUB- SECTION | | | BEST TEAK WOOD | | |
| 125 | MAT-00850 | BMT-E.05 | Best Teak Wood scantlings: up to 2.0 M | 1 cum | 134500 |
| 126 | MAT-00851 | BMT-E.06 | Best Teak Wood scantlings: 2.0 to 3.0 M | 1 cum | 142480 |
| 127 | MAT-00852 | BMT-E.07 | Best Teak Wood scantlings: above 3.0 M | 1 cum | 155000 |
| 128 | MAT-00853 | BMT-E.08 | Best Teak Wood Plancks: any thickness | 1 cum | 175490 |
| III.SUB- SECTION | | | BURMA TEAK WOOD | | |
| 129 | MAT-00854 | BMT-E.09 | Burma Teak Wood scantlings: up to 2.0 M | 1 cum | 178200 |
| 130 | MAT-00855 | BMT-E.10 | Burma Teak Wood scantlings: 2.0 to 3.0 M | 1 cum | 187900 |
| 131 | MAT-00856 | BMT-E.11 | Burma Teak Wood scantlings: above 3.0 M | 1 cum | 203000 |
| 132 | MAT-00857 | BMT-E.12 | Burma Teak Wood Plancks: any thickness | 1 cum | 217106 |
| IV.SUB- SECTION | | | ASSAM TEAK WOOD | | |
| 133 | MAT-00858 | BMT-E.13 | Assam Teak Wood scantlings: any length | 1 cum | 48900 |
| 134 | MAT-00859 | BMT-E.14 | Assam Teak Wood Plancks: any thickness | 1 cum | 72750 |
| V.SUB- SECTION | | | SAL/ COUNTRY WOOD | | |
| 135 | MAT-00860 | BMT-E.15 | Sal Wood scantlings: any length | 1 cum | 51000 |
| 136 | MAT-00861 | BMT-E.16 | Sal Wood Plancks: any thickness | 1 cum | 63950 |
| VI.SUB- SECTION | | | ROOFING MATERIAL | | |
| 137 | MAT-00862 | BMT-E.17 | A.C sheet Corrugated 6 mm thick | 1 sqm | 229 |
| 138 | MAT-00863 | BMT-E.18 | A.C sheet plain 4 mm thick | 1 sqm | 160 |
| 139 | MAT-00864 | BMT-E.19 | A.C sheet plain 6 mm thick | 1 sqm | 170 |
| 140 | MAT-00865 | BMT-E.20 | Plain or Corrugated Galvanized iron sheets as per IS 277 (0.1 mm to 0.8 mm thickness) | 1 kg | 70 |
| 141 | MAT-00866 | BMT-E.21 | Supply of UV resistant multi-wall polycarbonate sheets for roofing of any colour - 6 mm thick | 1 Sqm | 1225 |
| 142 | MAT-00867 | BMT-E.22 | Aluminium universal glazing set 40 mm wide for jointing and fixing polycarbonate sheets | 1 RM | 120 |
| | | | | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 143 | MAT-05341 | BMT-E.23 | Supply of UV resistant multi -wall polycarbonate sheets for roofing of any colour -10 mm thick. | 1 Sqm | 1400 |
| F.SECTION | | | STEEL MATERIALS (Landing cost –including loading, cost of conveyance,unloading) | | |
| I.SUB- SECTION | | | MILD STEEL MATERIALS | | |
| 144 | MAT-00895 | 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 | 4025 |
| 145 | MAT-00896 | 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 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 | 3508 |
| 146 | MAT-00875 | 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 | 161 |
| 147 | MAT-00876 | 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 | 161 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 148 | MAT-00877 | 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 | 161 |
| 149 | MAT-00878 | 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 | 224 |
| 150 | MAT-00879 | 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 | 224 |
| 151 | MAT-00880 | 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 | 224 |
| 152 | MAT-00881 | 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 | 253 |
| 153 | MAT-00882 | 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 | 253 |
| 154 | MAT-00883 | 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 | 253 |
| 156 | MAT-00894 | BMT-F.28 | Rabbit wire mesh (chicken mesh) of not less than 30 gauge | 1 Sqm | 21 |
| 157 | MAT-00869 | BMT-F.02 | Country Nails | 1 Kg | 72 |
| 158 | MAT-00870 | BMT-F.03 | Wire Nails | 1 Kg | 72 |
| 159 | MAT-00871 | BMT-F.04 | Mild Steel Tubes & pipes of all diameters as per IS-1161 | 1 Kg | 76 |
| 159 | MAT-00873 | BMT-F.07 | Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type A - IOWA Type Designation as per standard specification | 1 Kg | 101 |
| 160 | MAT-00874 | BMT-F.08 | Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type B - Glidden Type Designation as per standard specification | 1 Kg | 99 |
| 161 | MAT-00884 | BMT-F.18 | Galvanized Iron fly proof wire mesh of not less than 20 gauge | 1 Sqm | 276 |
| 162 | MAT-00886 | 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 | 506 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|--------------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| II.SUB- SECTION | | | GALVANIZED STEEL MATERIALS | | |
| 163 | MAT-00887 | 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 | 449 |
| 164 | MAT-00888 | 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 | 397 |
| 165 | MAT-00889 | 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 | 276 |
| 166 | MAT-00890 | 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 | 667 |
| 167 | MAT-00891 | 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 | 552 |
| 168 | MAT-00892 | 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 | 460 |
| 169 | MAT-00893 | 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 | 357 |
| III.SUB- SECTION | | | STAINLESS STEEL MATERIALS | | |
| 170 | MAT-00872 | BMT-F.06 | Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade | 1 Kg | 414 |
| 171 | MAT-00885 | BMT-F.19 | Stainless steel fly proof wire mesh of not less than 20 gauge | 1 Sqm | 564 |
| 172 to 180 | | BMT-F.32 A to H | ITEM DELETED | | |
| G.SECTION | | | FIXTURES FOR DOORS & WINDOWS | | |
| I.SUB- SECTION | | | TOWER BOLTS | | |
| 181 | MAT-00906 | BMT-G.01 | Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long | Each | 165 |
| 182 | MAT-00907 | BMT-G.02 | Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long | Each | 255 |
| 183 | MAT-00908 | BMT-G.03 | Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long | Each | 350 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 184 | MAT-00909 | BMT-G.04 | Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long | Each | 401 |
| 185 | MAT-00910 | BMT-G.05 | Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long | Each | 495 |
| 186 | MAT-00911 | BMT-G.06 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long | Each | 56 |
| 187 | MAT-00912 | BMT-G.07 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long | Each | 69 |
| 188 | MAT-00913 | BMT-G.08 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long | Each | 86.5 |
| 189 | MAT-00914 | BMT-G.09 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long | Each | 108 |
| 190 | MAT-00915 | BMT-G.10 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long | Each | 130 |
| 191 | MAT-00916 | BMT-G.11 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long | Each | 152 |
| 192 | MAT-00917 | BMT-G.12 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long | Each | 429 |
| 193 | MAT-00918 | BMT-G.13 | Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long | Each | 490 |
| 194 | MAT-00919 | BMT-G.14 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long | Each | 26.5 |
| 195 | MAT-00920 | BMT-G.15 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long | Each | 38.5 |
| 196 | MAT-00921 | BMT-G.16 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long | Each | 56 |
| 197 | MAT-00922 | BMT-G.17 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long | Each | 75 |
| 198 | MAT-00923 | BMT-G.18 | MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long | Each | 94 |
| | New Item | BMT-G.86 | Aluminium Tower bolt -10mm Bolt (IS:204)75mm Long | Each | 47 |
| | New item | BMT-G.87 | Aluminium Tower bolt -10mm Bolt (IS:204) 100 mm Long | Each | 52 |
| II.SUB- SECTION | | | HINGES | | |
| 199 | MAT-00924 | BMT-G.19 | Brass Butt hinges (IS:205)- 75 mm Long | Each | 74 |
| 200 | MAT-00925 | BMT-G.20 | Brass Butt hinges (IS:205)- 100 mm Long | Each | 225 |
| 201 | MAT-00926 | BMT-G.21 | Brass Butt hinges (IS:205)- 125 mm Long | Each | 273 |
| 202 | MAT-00927 | BMT-G.22 | Brass Butt hinges (IS:205)- 150 mm Long | Each | 356 |
| 203 | MAT-00928 | BMT-G.23 | Aluminium Butt hinges (IS:205)- 75 mm Long | Each | 82 |

| | | | | | |
|-----|-----------|-----------|--|------|-----|
| 204 | MAT-00929 | BMT-G.24 | Aluminium Butt hinges (IS:205)- 100 mm Long | Each | 106 |
| 205 | MAT-00930 | BMT-G.25 | Aluminium Butt hinges (IS:205)- 125 mm Long | Each | 129 |
| | | BMT-G.88 | GI Powder Coated Friction Stay hinges of 10" Long for windows | Each | 224 |
| | | BMT-G.89 | GI Powder Coated Friction Stay hinges of 10" Long for windows | Each | 315 |
| | | BMT-G.90 | Supplying SS 304 Grade Heavy Duty pivot Hinges for windows | Each | 82 |
| | | BMT-G.91 | GI Powder Coated Friction stay hinges of 10" Longfor windows | Each | 224 |
| | | BMT-G.92 | Continuous Piano Hinges Powder coated Mild steelas per IS-3818 : 1992 of nominal size 25 mm (B) of thickness 0.8 to 1.0 mm | Each | 34 |
| | | BMT-G.93 | Box hinges for cup boards | Each | 44 |
| | | BMT-G.94 | GI Powder Coated Friction stay hinges of 14" Long for windows | Each | 315 |
| | | BMT-G.95 | Stainless Steel Butt hinges (IS:12817)- 75 mm Long | Each | 67 |
| | | BMT-G.96 | Stainless Steel Butt hinges (IS:12817)- 100 mm Long | Each | 98 |
| | | BMT-G.97 | Stainless Steel Butt hinges (IS:12817)- 125 mm Long | Each | 125 |
| | | BMT-G.98 | Stainless Steel Butt hinges (IS:12817)- 150 mm Long | Each | 156 |
| | | BMT-G.99 | Supplying SS 304 Grade Heavy Duty pivot Hinges for windows | Each | 82 |
| | | BMT-G.100 | Labour Charges for removing and refixing with complete servicing of the MS windows | Sqm | 478 |
| | | BMT-G.101 | Supplying EPDM Gasket for windows panels to the PPS shutter | RM | 32 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23(Rs.) |
|-------------------------|-----------|------------|---|------|---------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 206 | MAT-00931 | BMT-G.26 | Aluminium Butt hinges (IS:205)- 150 mm Long | Each | 133 |
| 207 | MAT-00932 | BMT-G.27 | MS-Powder Coated Butt hinges (IS:205)- 75 mm Long | Each | 11 |
| 208 | MAT-00933 | BMT-G.28 | MS-Powder Coated Butt hinges (IS:205)- 100 mm Long | Each | 20 |
| 209 | MAT-00934 | BMT-G.29 | MS-Powder Coated Butt hinges (IS:205)- 125 mm Long | Each | 31 |
| 210 | MAT-00935 | BMT-G.30 | MS-Powder Coated Butt hinges (IS:205)- 150 mm Long | Each | 39 |
| 211 | | BMT-G.80 | Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. | | |
| 212 | MAT-05342 | BMT-G.80.A | 200 x 19 x 1.9 mm | Each | 295 |
| 213 | MAT-05343 | BMT-G.80.B | 250 x 19 x 1.9 mm | Each | 332 |
| 214 | MAT-05344 | BMT-G.80.C | 300 x 19 x 1.9 mm | Each | 350 |
| 215 | MAT-05345 | BMT-G.80.D | 350 x 19 x 1.9 mm | Each | 485 |
| 216 | MAT-05346 | BMT-G.80.E | 400 x 19 x 1.9 mm | Each | 503 |
| III.SUB- SECTION | | | DOOR HANDLES | | |
| 217 | MAT-00936 | BMT-G.31 | Aluminium Door Handles (IS:208) 75 mm Long | Each | 59 |
| 218 | MAT-00937 | BMT-G.32 | Aluminium Door Handles (IS:208) 100 mm Long | Each | 68 |
| 219 | MAT-00938 | BMT-G.33 | Aluminium Door Handles (IS:208) 125 mm Long | Each | 102 |
| 220 | MAT-00939 | BMT-G.34 | Aluminium Door Handles (IS:208) 150mm Long | Each | 114 |
| 221 | MAT-00940 | BMT-G.35 | MS-Powder Coated Door Handles (IS:208) 125 mm Long | Each | 35 |
| 222 | MAT-00941 | BMT-G.36 | MS-Powder Coated Door Handles (IS:208) 150 mm Long | Each | 49 |
| 223 | MAT-00963 | BMT-G.58 | Brass fancy handles 150 mm | Each | 328 |
| 224 | MAT-00964 | BMT-G.59 | Brass fancy handles 200 mm | Each | 451 |
| 225 | MAT-00965 | BMT-G.60 | Brass fancy handles 250 mm | Each | 800 |
| 226 | MAT-00966 | BMT-G.61 | Brass fancy handles 300 mm | Each | 1015 |
| 227 | MAT-00967 | BMT-G.62 | Brass fancy handles 450 mm | Each | 1600 |
| 228 | MAT-00977 | BMT-G.72 | Keyless lockset for toilet doors with CP or PC knob handles (complete set) | Each | 342 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Knob handles | | |
| 229 | MAT-00978 | BMT-G.73 | Keyless lockset for toilet doors with brass knob handles | Each | 900 |
| 230 | MAT-05347 | BMT-G.81 | Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc.complete. | Each | 207 |
| | | BMT-G.102 | Aluminium Door Handles (IS:208) 75 mm Long | Each | 47 |
| | | BMT-G.103 | Aluminium Door Handles (IS:208) 100 mm Long | Each | 55 |
| | | BMT-G.104 | Aluminium Door Handles (IS:208) 125 mm Long | Each | 78 |
| | | BMT-G.105 | Aluminium Door Handles (IS:208) 150 mm Long | Each | 92 |
| | | BMT-G.106 | MS-Powder Coated Door Handles (IS:208) 125 mm Long | Each | 33 |
| | | BMT-G.107 | MS-Powder Coated Door Handles (IS:208) 150 mm Long | Each | 48 |
| | | BMT-G.108 | Stainless Steel Door Handles 100 mm Long | Each | 101 |
| | | BMT-G.109 | Stainless Steel Door Handles 125 mm Long | Each | 120 |
| | | BMT-G.110 | Stainless Steel Door Handles 150 mm Long | Each | 147 |
| | | BMT-G.111 | Stainless Steel Door Handles 200 mm Long | Each | 165 |
| IV..SUB-SECTION | | | ALDROPS | | |
| 231 | MAT-00942 | BMT-G.37 | Brass Aldrop (IS:2681) 300 mm long | Each | 1195 |
| 232 | MAT-00943 | BMT-G.38 | Brass Aldrop (IS:2681) 350 mm long | Each | 2300 |
| 233 | MAT-00944 | BMT-G.39 | Brass Aldrop (IS:2681) 450 mm long | Each | 3255 |
| 234 | MAT-00945 | BMT-G.40 | Aluminium Aldrop (IS:2681) 200 mm long | Each | 265 |
| 235 | MAT-00946 | BMT-G.41 | Aluminium Aldrop (IS:2681) 250 mm long | Each | 314 |
| 236 | MAT-00947 | BMT-G.42 | Aluminium Aldrop (IS:2681) 300 mm long | Each | 338 |
| 237 | MAT-00948 | BMT-G.43 | MS-Powder Coated Aldrop (IS:2681)200 mm long | Each | 100 |
| 238 | MAT-00949 | BMT-G.44 | MS-Powder Coated Aldrop (IS:2681)250 mm long | Each | 129 |
| 239 | MAT-00950 | BMT-G.45 | MS-Powder Coated Aldrop (IS:2681) 300 mm long | Each | 154 |
| | | | Brass Aldrops (IS:2681) 300 mm long | Each | 1223 |

| | | | | | |
|------------------------|-----------|----------|--|------|------|
| | | | Brass Aldrops (IS:2681) 350 mm long | Each | 2356 |
| | | | Brass Aldrops (IS:2681) 450 mm long | Each | 3354 |
| V.SUB-SECTION | | | LATCHES | | |
| 240 | MAT-00953 | BMT-G.48 | Aluminium Flat Latches: 200 mm long | Each | 117 |
| 241 | MAT-00954 | BMT-G.49 | Aluminium Flat Latches: 250 mm long | Each | 131 |
| 242 | MAT-00955 | BMT-G.50 | Aluminium Flat Latches: 300 mm long | Each | 144 |
| 243 | MAT-00956 | BMT-G.51 | MS-Powder Coated Flat Latches: 250 mm long | Each | 61 |
| 244 | MAT-00957 | BMT-G.52 | MS-Powder Coated Flat Latches: 300 mm long | Each | 77 |
| 245 | MAT-00973 | BMT-G.68 | Brass latch heavy 300 mm | Each | 625 |
| 246 | MAT-00974 | BMT-G.69 | Brass latch heavy 350 mm | Each | 725 |
| 247 | MAT-00975 | BMT-G.70 | Brass latch heavy 450 mm | Each | 912 |
| VI..SUB-SECTION | | | DOOR CLOSURES | | |
| 248 | MAT-00968 | 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 | 876 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 249 | MAT-00979 | 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 | 1065 |
| 250 | MAT-00980 | 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 | 1197 |
| 251 | MAT-00981 | 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 | 1390 |
| VII.SUB-SECTION | | | FLOOR SPRINGS | | |
| 252 | MAT-00969 | BMT-G.64 | Double action Stainless steel cover plate and cast body iron floor spring (IS 6315- Table-1) | Each | 1919 |
| 253 | MAT-00970 | BMT-G.65 | Double action Brass cover plate and cast brass body floor spring (IS 6315- Table-1) | Each | 4600 |
| 254 | MAT-00982 | 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 | 3900 |
| 255 | MAT-00983 | 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 | 2795 |
| 256 | MAT-00984 | 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 | 11506 |
| VIII SUB-SECTION | | | MORTICE LOCKS | | |
| 257 | MAT-00971 | BMT-G.66 | Heavy duty mortise lock 6/7 levers (IS:2209) with PC or CP handles complete set | Each | 875 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs) |
|------------------------|-----------|-----------------|--|------|---------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 258 | MAT-00972 | BMT-G.67 | Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles | Each | 2036 |
| IX.SUB- SECTION | | | OTHER ACCESSORIES | | |
| 259 | MAT-00958 | BMT-G.53 | MS-Powder Coated - Door Stoppers | Each | 45 |
| 260 | MAT-00962 | BMT-G.57 | Heavy duty Aluminium Door stopper | Each | 58 |
| 261 | MAT-00951 | BMT-G.46 | Brass Door Stoppers | Each | 185 |
| 262 | MAT-00976 | BMT-G.71 | Friction stay hinges for windows | Each | 100 |
| 263 | MAT-00961 | BMT-G.56 | Deluxe window stay Aluminium | Each | 135 |
| 264 | MAT-00952 | BMT-G.47 | Brass Windows Stay | Each | 201 |
| 265 | MAT-00959 | BMT-G.54 | Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings | RM | 119 |
| 266 | MAT-00960 | BMT-G.55 | Supply & fixing drapery bracket - brass powder coated | pair | 445 |
| 267 | MAT-05348 | BMT-G.82 | Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. Complete | Each | 1700 |
| 268 | MAT-05349 | BMT-G.83 | Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete. | Each | 97 |
| 269 | MAT-05350 | BMT-G.84 | Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete. | Each | 155 |
| 270 | MAT-05351 | BMT-G.85 | Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete. | Each | 175 |
| H.SECTION | | | WATER PROOFING CHEMICALS & ADMIXTURES <i>Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.</i> | | |
| 289 | MAT-01021 | BMT-H.37 | Anti corrosion CRPPC (Corrosion Resistant) inhibitive admixture. Note: The user departments who ever are preparing the estimate, have to satisfy themselves with the performance and result of the product before proposing the item.) | | 340 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 336 | MAT-05352 | BMT-H. 66 | <p>Pre construction Anti termite is a process in which chemical toxic to subterrean termites is apply/ inject into soil during early stage of building Construction</p> <p>2. Treatment of soil Beneath the building and around the foundations conduct and chemical use as per BIS - IS 6313 (Part -2) 2013 code specification & CIB RC registered termiticide which creates a continuouschemical barrier beneath the building which kills or repels terminates & impervious to tremite entry Imidacloprid 30.5% SC (IS 63131) dissolve 2.1 MI/1 liter of water and apply emulsion/solution @ 7.5 Litres/Square meter (Sqm) of internal, external vertical surface of the colums , plinth beams (Back filling) walls and floor junction, external perimeters, along reatining wall @ 5.0 Liters/Sqm of the horizontalsurface of basement top surface of the basement filling below flooring bed (Plinth) & @ 2.0 Litres/ Line meter at expansion joints. The substructure of a depth of 500mm around coulms & 300mm deep around plinth beams, basements & floor filling area including excavation channel along the wall & rodding etc. cost & Conveyance of all materials to the site, cost of labour for sparying, rodding etc. completefor furnished item of work as per the approval of the Engineer-in-charge</p> | 1 Sqm | 162 |
| 337 | | BMT-H. 67 | ITEM DELETED | | |
| I.SUB- SECTION | | | REPAIRING AND TREATMENTWORKS | | |
| | | BMT-H.68 | SURFACE PREPARATION | | |
| | | | Cleaning of the surface : For Waterproofing treatment | | |
| 338 | MAT-05353 | BMT-H.68.A | (If the surface is sound & hard Condition) The surface must be cleanand sound duly removing of exisiting tretaments clean from dirt, dust and other contaminations by power grinding wire brushing , air blower & jetwater cleaing. | Sqm | 65 |
| | | | | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 339 | MAT-05354 | BMT-H.68.B | (If the surface is deteriorated or damaged / existing tiles or block laying) Chipping with pneumatic power chiseling equipment and until to achieve the hard mother concrete surface. Duly removing of debris, cleaning of the surface from dirt, dust and other foreign matters & water jet cleaning. | Sqm | 162 |
| 340 | MAT-05355 | BMT-H.68.C | if the surface has existing damaged bituminous felt / APP membrane. Chipping and removing of existing bituminous tarfelt / membrane with chiseling equipments, grinding / wire brushing the surface duly removing the felt completely. Duly removing of debris, cleaning of the surface from dirt, dust and other foreign matters & waterjet cleaning. | Sqm | 108 |
| | | | SPECIALISED CHEMICAL WATERPROOFING TREATMENTS FOR TERRACE | | |
| | | | WHEREVER FLOORING SURFACE IS HAVING MAJOR HAIR LINE CRACKS DEVELOPED, SEVERE LEAKAGES | | |
| | | | TAKEN PLACE AND REQUIRED TO REDUCE THE ROOM TEMPERATURES - SELF ASSESSED TREATMENTS TO IDENTIFY EACH LAYER OF TREATMENTS : REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS Item Code BMT-H.68 SURFACE PREPARATION SUB HEADING : CLEANING OF THE SURFACE FOR WATERPROOFING TREATMENT. | | |
| | | | | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|---------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 341 (a) | MAT-05356 | BMT-H.69 | <p>SPECIALISED FIVE LAYER SYSTEM OF WATERPROOFING TREATMENT TO THE TERRACE WITH Roofcare-prc 5 Systems or equivalent (ROOFCARE PRC 5 (Armstrong) / ZORICOAT PFC 5 (PMCC)/ POWER SAC 5 L (EBT)/ WATERSHIELD 5 LWC</p> <p>a). Ist Layer Black coloured chemical treatment : Providing and application of one coat of High bonding, flexible bituminous polyurethane blended bituminous coating with – Roofcare prc 5 systems Confirming to ASTM-G 154 - 2000 or equivalent Ist Layer diluting with water at 1 : 1 ratio as a primer coat at a consumption of 200ml per Sqm.</p> <p>b). IInd Layer : Providing and laying of Fibre Mesh 40 GSM, with 1 Mtr width and 50mm overlap on the primed surface.</p> <p>c). IIIrd Layer Grey coloured coating : Providing and application of one coat of Acrylic rubberized elastomeric flexible waterproof grey coating with – Roofcare prc 5 systems ASTM-C 836 or equivalent or equivalent diluting with 50% of water at a consumption of 400ml per Sqm.</p> <p>d) IVth Layer white colored coating : Providing and application of one coat of High solid, cold applied, Fibre reinforced acrylic elastomeric waterproof membrane off white coating –Roofcare prc 5 systems Confirming to ASTM-G 154 -2000 or equivalent coating (add the water upto 200ml) (Consumption of 350ml per Sqm).</p> <p>e) Vth Layer super white reflective coating : Application of one coat of 100% pure acrylic solar reflective pure white coating withRoofcareprc 5</p> | Sqm | 571 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|---------|-----------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>systems Confirming to ASTM -C 297 or equivalent solar reflective coating diluting with 20% of water (Consumption of 300ml per Sqm).</p> <p>Note : THE ABOVE TREATMENT WILL BE GUARANTEED FOR 5 YEARS</p> | | |
| 341 (b) | | BMT-H.69 (b) | <p>SPECIALISED FIVE LAYER SYSTEM OF WATERPROOFING TREATMENT TOTHE TERRACE WITH MIXGUARD HR5 System .</p> <p>Providing and laying five layers waterproofing cum heat reflective treatment (MIXGUARD HR5 or equivalent) over the old / new roof slab/ terrace, all as directedby Department Engineer-in-charge with the following specification and should be complain with the following technical parameters for the system - Density: 1.3 Gm/cc, Solids content: 68% ± 2% byweight, Elongation at break ASTM D 638: 200% (for the system), Adhesion to substrate ASTM D 4541: >1.5 N/mm2, Water penetration DIN 1048: no leak at 7 bars, Tear resistance ASTM D 1004-76: 17N/mm2, Tensile strength ASTM D 412- 87:6.0N/mm2</p> <p>a) First Layer - Supply and Apply penetrative cum bonding primer as base primer cum sealer coat using MIXPRIMEAC100 or equivalent modified with waterand cement at the ratio 2:1:3 (MIXPRIME AC 100 : water : cement) by volume with a slow speed mixer machine. This compound shall be applied with sufficient thickness to cover the holes/pores/cracks @ 1.000 Liter / SQM (0.350 Lt of MIXPRIME AC100 / SQM) and the raw primer should be complain with ASTM 4541 and the Solid content 49% <u>+2%</u></p> <p>b) Second Layer – Supply and apply of 2 x2 mm welded with alkaline resistant coated / non-woven 40 Gsm verging fiber mesh MIXMAT GFM 50 or equivalent for a minimum over lap of 100 mm embedded in the primer coat</p> <p>c) Third Layer - Supply and apply of bonding cum water tight acrylic high viscous white primer MIXPRIME AC or equivalent @ 0.250 Kg / SQM (dilution</p> | Sq.m | 571 |

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|--|--|--|--|--|--|
| | | | <p>or modification not recommended) should be complain with Density: 1.1gm/cc, Solids content: 50 % ± 2% by weight, Elongation at break ASTM D 638: >300%, Adhesion to substrate ASTM D 4541: >1 N/mm², Tensile strength ASTM D 638: >1.5 N/mm², Reduction in chloride ion ingress: 94% @ 28 days</p> <p>d) Fourth Layer – Supply and apply of high elastomeric acrylic waterproofing cum weather proof high viscous white liquid membrane MIXGUARD HR or equivalent @ 0.500 Kg / SQM (dilution or modification not recommended) should be complain with Density: 1.30 gm/cc , Solids content: 68% ± 2% by weight, Elongation at break ASTM D 638: 400%, Tensile strength ASTM D 412: 1.8N/mm², Adhesion to substrate ASTM D 4541: >1 N/mm², Water penetration DIN 1048: no leak at 7 bars (+ve side), Water vapor transmission ASTM E96: 19g/m²/day, Crack bridging ASTM C836: No cracks up to 2mm thick.</p> <p>E) Fifth Layer - Supply and apply of fiber reinforced flexible high grade pure acrylic modified waterproofing cum heat reflective high viscous white liquid membrane MIXGUARD HRXtra or equivalent @ 0.500 Kg / SQM (dilution or modification not recommended) Density: 1.3 gm/cc Solids content: 68% ± 2% by weight, Elongation at break ASTM D 638: 200% , Adhesion to substrate ASTM D 4541: >1.3 N/mm², Water penetration DIN 1048: no leak at 7 bars, Tear resistance ASTM D 1004-76: 15N/mm² , Tensile strength ASTM D 412-87: 3.0N/mm², Solar reflectance –ASTM G173 – 92 % , Water vapor transmission ASTM E 96 – 19 Kg / M² / day.</p> <p>Note: -</p> <ol style="list-style-type: none"> 1) No dilution or modification recommended for item No.b,c,d and e . 2) All materials should be procured as per the consumption with respect of the work order. 3) The application should be carried out by an approved agency. <p>) The contractor should provide 5 years material warranty from the Manufacturer and 5 year warranty from the applicator or combined</p> | | |
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| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | WHEREVER FLOORING SURFACE IS HAVING HAIR LINE CRACKS DEVELOPED, SEVERE LEAKAGES AND FOUND VERY SLIGHTLY MORTAR DEBONDED WITH ORIGINAL SLAB - TAKEN PLACE : REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS RAINSEAL FRC SPECIALISED HIGH STRENGTH FIBRE REINFORCED ACRYLIC ELASTOMERIC AND HEAT RESISTANT LIQUID MEMBRANE COATING CHEMICALS Confirmed ASTM C 836/89A & ASTM C 297 FOR TERRACE. | | |
| 342 | MAT-05357 | BMT-H.70 | <p>SPECIALISED HIGH STRENGTH CELLULOSE FIBRE REINFORCED ACRYLIC ELASTOMERIC LIQUID MEMBRANE COATING FOR TERRACE :</p> <p>a). Providing and application of one coat of High Solid, Cold applied Acrylic Elastomeric Liquid Membrane Coating with – RAINSEAL (Armstrong)/ POWER n COAT EWC (EBT) / DECKGUARD E 2000 (Fosroc) /ZORICOAT EWC (PMCC) / SIKAGARD 550 W / WATERSHIELD EWC 600 diluting with water at 1 : 0.50 ratio as a primer coat at a consumption of 200ml per Sqm.</p> <p>b). Providing and laying of Non woven polyester reinforced fibre mesh of 40 GSM, with 1 Mtr width and 50mm overlap on the primed surface.</p> <p>c) Providing and application of one coat of High strength cellulose fibre reinforced Acrylic Elastomeric Liquid Membrane coating with -RAINSEAL CFR (Armstrong / ZORICOAT CF (PMCC) / POWER n COAT CR (EBT) WATERSHIELD FLEX CR / FIBRE REINFORCED ACRYLIC ELASTOMERIC COATINGS (Fosroc) diluting with water at 20% as a base coat application at a consumption of 400ml per Sqm.</p> | Sqm | 551 |
| | | | WHEREVER FLOORING SURFACE IS HAVING HAIR LINE CRACKS DEVELOPED, SEVERE LEAKAGES AND FOUND SOME PLACES MORTAR DEBONDED WITH ORIGINAL SLAB - TAKEN PLACE : | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS BMT-H.68 © and BMT-H.83 chemical complies with ASTM C 297. | | |
| 343(a) | MAT-05358 | BMT-H.71 | <p>SPECIALISED HIGH PERFORMANCE ACRYLIC POLYMER MODIFIED ELASTOMERIC CEMENTITIOUS WATERPROOF COATING TO THE TERRACE</p> <p>a). Providing and application of one coat of High performance Acrylate penetrative water barrier primer – ROOFBOND BCS (Armstrong) / ZORIBOND BCS (PMCC) / POWER n PENETRATE (EBT) / WATERSHIELD CP / DECKGUARD CP (Fosroc) /SIKAGARD 705 L (Sika) diluting with water at 1 : 0.50 ratio as a primer coat at a consumption of 200ml per Sqm.</p> <p>b). Providing and laying of Non woven polyester reinforced fibre mesh of 40 GSM, with 1 Mtr width and 50mm overlap on the primed surface.</p> <p>c) Providing and application of one coat of Two part system of high performance acrylic polymer modified elastomeric cementitious waterproof coating ROOFBOND RFX (Armstrong) /POWER n COAT RFX (EBT) / BRUSHBOND RFX (Fosroc)/ZORIBOND RFX (PMCC) / WATERSHIELD RFX /SIKAGARD 550 U 2K (Sika) mixing of powder and liquid as per packing at 1:2 ratio. (add the water upto 200ml) at a consumption rate of 300 Grams mix.</p> <p>d). Providing and application of one coat of Two parts system fibre Reinforced Acrylic Cementitious Coatings with –ROOFBOND FRC (Armstrong) ZORIBOND FRC (PMCC) / POWER n BOND FRC (EBT)/ WATERSHIELD BOND FR / Fosroc mixing of powder and liquid as per packing at 1:2 ratio (add the water upto 200ml) at a consumption rate of 300 Grams mix.</p> | Sqm | 513 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| 343(b) | | BMT-H.71(b) | <p>SPECIALISED HIGH PERFORMANCE ACRYLIC POLYMER MODIFIED ELASTOMERIC CEMENTITIOUS WATERPROOFING SYSTEM COATING TO THE WET AREA / TOILET / BATH ROOM .</p> <p>a) First Layer - Supply and Apply penetrative cum bonding primer as base primer cum sealer coat using MIXPRIME AC100 or equivalent modified with water and cement at the ratio 2:1:3 (MIXPRIME AC 100 : water : cement) by volume with a slow speed mixer machine. This compound shall be applied with sufficient thickness to cover the holes/pores/cracks @ 1.000 Liter /SQM (0.350 Lt of MIXPRIME AC100 / SQM) and the raw primer should be comply with ASTM 4541 and the Solid content 49% <u>+2%</u></p> <p>b) Second Layer – Supply and apply of 2 x2 mm welded with alkaline resistant coated / non-woven 40 Gsm verging fiber mesh MIXMAT GFM 50 or equivalent for a minimum over lap of 100 mm embedded in the primer coat</p> <p>c) Third Layer - Supply and apply of first coat of two component (Powder + Liquid) system of high performance acrylic polymer modified elastomeric cementitious waterproofing system MIXGUARD AC or equivalent @ 1.000 Kg / SQM (mix the powder and liquid with the help of a slow speed mixer for a period of 2 to 3 minutes up to get a homogeneous mix- dilution or modification not recommended) should be comply with BS 1881 Part 5 1983 (ISAT 476 Part 6), DIN 1048 Part 5 1991, BSEN 12390-8 2000, ASTM D 412-92</p> <p>d) Fourth Layer –Supply and apply of second coat of two component (Powder + Liquid) system of high performance acrylic polymer modified elastomeric cementitious waterproofing system MIXGUARD AC or equivalent @ 1.000 Kg / SQM (mix the powder and liquid with the help of a slow speed mixer for a period of 2 to 3 minutes up to get a homogeneous mix- dilution or modification not recommended) should be comply with BS 1881 Part 5 1983 (ISAT</p> | Sq.m | 513 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | 476 Part 6), DIN 1048 Part 5 1991, BSEN 12390-8 2000, ASTM D 412-92. Note: - 1) No dilution or modification recommended for item Nos.b,c,d and e . 2) All materials should be procured as per the consumption with respect of the work order. 3) The application should be carried out by an approved agency. 4) The contractor should provide 5 years material warranty from the Manufacturer and 5 year warranty from the applicator or combined | | |
| 344 | MAT-05359 | | <i>WHEREVER FLOORING SURFACE IS HAVING MAJOR HAIR LINE CRACKS DEVELOPED, SEVERE LEAKAGES TAKEN PLACE AND REQUIRED TO REDUCE THE ROOM TEMPERATURES - SELF ASSESSED TREATMENTS TO IDENTIFY EACH LAYER OF TREATMENTS : REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS</i> | Sqm | 583 |
| | | BMT-H.72 | a). Providing and application of one coat of High bonding, flexible bituminous polyurethane blended black coating with ROOFCARE PU (Armstrong) /POWER n COAT PU (EBT) / NITOBOND POLYURETHANE BLENDED BITUMEN COAT (Fosroc) /ZORICOAT PU (PMCC)/SIKALASTIC 450 L/WATERSHIELD ELASTIC 450 PU (Polyurethane blended Bituminous waterproof coating system) Complies with ASTM 836 - DN 1048 diluting with water at 1 : 1 ratio as a primer coat at a consumption of 200ml per Sqm. b). Providing and laying of Non woven GEO Fabric 40 GSM, with 1 Mtr width and 50mm overlap on the primed surface. c). Providing and application of one coat of Acrylic rubberized elastomeric flexible waterproof grey coating with – RAINSEAL RWC 902 (Armstrong) / POWER n COAT RC / ZORICOAT RC(PMCC) / (Fosroc) / WATERSHIELD RC FLEX Complies with ASTM G 154 - 2000 diluting with 50% of water at a consumption of 400ml per Sqm. d) Providing and application of one coat of High solid, cold applied, Fibre reinforced acrylic elastomeric waterproof membrane off white coating – | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>ROOF COAT FRC (Armstrong) / ZORCOAT FC (PMCC) / POWER n FRX 2 (EBT) / WATERSHIELD FRC / DECKGUARD FRC (Fosroc) Complies with ASTM C 297 (add the water upto 200ml) (Consumption of 350ml per Sqm).</p> <p>e) Application of one coat of 100% pure acrylic solar reflective pure white coating with - ROOFCARE COOL (Insulator) / POWER n COOL (EBT) / BRUSHBOND COOL COAT (Fosroc)/ZORISHIELD XL (PMCC) / SIKA COOL COAT (Sika) //WATERSHIELD COOL COAT diluting with 20% of water (Consumption of 300ml per Sqm).</p> | | |
| | | | <p>FOR WATERPROOFING OF PORTABLE WATER TANKS / RESERVOIRS / SUMP/ TERRACE / SIDE WALLS : REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS</p> | | |
| 345 | MAT-05360 | BMT-H.73 | <p>SPECIALISED ACRYLIC CEMENTITIOUS ELASTOMERIC WATERPROOF COATING TREATMENT Complies with ASTM C 297 :</p> <p>Providing and Application of two coats of Acrylic cementitious elastomeric waterproof coating with- Roofcoat or equivalent like high elastomeric acrylic polymer modified cementitious waterproof system.</p> | Sqm | 378 |
| | | | <p>FOR WATERPROOFING OF TERRACE / SIDE WALLS : REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS</p> | | |
| 346 | MAT-05361 | BMT-H.74 | <p>SPECIALISED ACRYLIC CEMENTITIOUS ELASTOMERIC WATERPROOF COATING TREATMENT Complies with ASTM C 297 :</p> <p>Providing and Application of two coats of Acrylic cementitious elastomeric waterproof coating with - ROOF COAT (Armstrong) POWER n COAT (EBT)/ BRUSHBOND (Fosroc) ZORICOAT (PMCC)/SIKA TOPSEAL 107 (Sika) /</p> | Sqm | 421 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | <i>WATERSHIELD COAT PC like high elastomeric acrylic polymer modified cementitious waterproof system.</i> | | |
| | | | WHEREVER HIGH FLEXIBLE HIGH BONDED NECESSARY FOR WATERPROOFING OF TERRACE / SLOPED ROOFS / ACC SHEETS etc., FOR A GUARANTEE OF 5 YEARS REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS | | |
| 347 | MAT-05362 | BMT-H.75 | <p>SPECIALISED HIGH SOLID, COLD APPLIED, ACRYLIC WATERPROOF COATING TO THE EXTERNAL WALLS Acrylic elastomeric waterproof exterior coatings Complies with ASTM C 836 / 89 A :</p> <p>Providing and application of two coats of High solid, cold applied, Acrylic Elastomeric Liquid Membrane Coating with –RAINSEAL (Armstrong) / POWER n COAT EWC (EBT) / DECKGUARD E 2000 (Fosroc) /ZORICOAT EWC (PMCC) / SIKAGARD 550 W / WATERSHIELD EWC 600diluting with 20% of water mixing with required colour stainers.</p> | Sqm | 421 |
| | | | <i>WHEREVER REQUIRED FOR WATERPROOFING OF TERRACE / SLOPED ROOFS / ACC SHEETS etc., FOR A GUARANTEE OF 3 YEARS REFER THE RATES FOR CLEANING AND CRACK FILLING UNDER THE HEAD OF THE WORKS</i> | | |
| 348 | MAT-05363 | BMT-H.76 | <p>SPECIALISED HIGH BONDING, FLEXIBLE BITUMINOUS POLYURETHANE BLENDED BITUMINOUS COATING Complies with ASTM C 836 - DN 1048 :</p> <p>Providing and application of two coats of High bonding, flexible bituminous polyurethane blended bituminous coating with ROOFCARE PU (Armstrong) / POWER n COAT PU (EBT) / NITOBOND POLYURETHANE BLENDED BITUMEN COAT (Fosroc)/ ZORICOAT PU (PMCC)/ SIKALASTIC 450 L / WATERSHIELD ELASTIC 450 PU diluting with 20% of water.</p> | Sqm | 389 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | EXPANSION JOINT TREATMENT : | | |
| 349 | MAT-05364 | BMT-H.77 | <p>Preparation of the surface : For existing expansion joint treatment :</p> <p>Chipping of the existing treatments over the expansion joints concrete / brick masonry with pneumatic power chiseling equipment and until to achieve the hard mother concrete surface. Chipping and removing of existing bituminous mastic board upto 25mm deep. Duly removing of debris, cleaning of the surface from dirt, dust and other foreign matters</p> | RMT | 270 |
| 350 | MAT-05365 | BMT-H.78 | <p>SPECIALISED POLYSULPHIDE SEALANT TREATMENT TO THE EXPANSION JOINTS ON TERRACE : (Size : 25mm x 12mm)</p> <p>Application of one coat of-High performance specially designed SBR latex polymer based bonding agent– ROOFBOND SBR (Armstrong) / POWER n BOND SBR (EBT) / NITOBOND SBR (Fosroc) ZORIBOND SBR (PMCC)/ SIKA LATEX (Sika) WATERSHIELD BOND SBR ASTM - C 920 -95 /DIN 18549 TT -S-00227E or equivalent mixing with cement as per manufacturers c]. Providing and application of Acrylic Polymer modified reinstatement concrete/mortar admixture with - ROOFCRETE AR (Armstrong) / ZORIGROUT CMG (PMCC) / POWER n GUARD ARM (EBT) / WATERSHIELD AR / Fosroc to finish the damaged edges of joint and making the groove. d]. Providing and fixing of masking tape on top of the joint both sides. e]. Providing and fixing of Back up support material of Polyethelene foam to leave the depth of 12mm on the joint. f]. Providing and application of one coat of polysulphide primer with – Polysulphide primer on inner edge on joints. g]. Providing and application of Two part Polysulphide sealant to a width of 25mm and 12mm depth with - ROOFSEAL PS (Armstrong) / POWER n SEAL PS (EBT) /NITOSEAL PS 200 (Fosroc)/ ZORISEAL PS (PMCC) / SIKA</p> | RMT | 702 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | POLYSULPHIDE (Sika) / WATERSHIELD PS Complies with BS 4254 - 83 or equivalent with putty knife and neat finish. h]. Removing of masking tape and providing and application of two coats of Acrylic elastomeric cementitious coating with - ROOFSEAL PS (Armstrong) / POWER n SEAL PS (EBT) / NITOSEAL PS 200 (Fosroc) / ZORISEAL PS (PMCC) / SIKA POLYSULPHIDE (Sika) / WATERSHIELD PS | | |
| | | | FOR ARRESTING WATER FLOW LEAKAGES, LEAKAGES OF CONSTRUCTION JOINTS OF RESERVOIRS / PUMP ROOMS / POWER HOUSE / PENSTOCK / CANAL DUCTS AND OTHER WATER RETAINING STRUCTURES EXECUTION IN THE PRESENCE OF WATER. | | |
| 351 | MAT-05366 | BMT-H.79 | <p>LABOUR CHARGES FOR SPECIALISED EXPANSIVE ACQUA- REACTIVE WATER BARRIER GROUTING</p> <p>(1). Drilling of holes with Electrical Drilling machine up to the required depth i.e., (12mm to 14mm dia sized holes)</p> <p>(2). Fixing of pressure retaining aluminum / steel packers fixing with Instant setting leakproof plugging compound WONDERSEAL PLUG (Armstrong) / POWER n PLUG (EBT) / RENDROC PLUG (Fosroc) / ZORIPLUG (PMCC) / SIKA PLUG (Sika) WATERSHIELD PLUG</p> <p>(3). Grouting of holes with Air Compressed Injection equipment with single component aliphatic polyurethane grout compound- RAPIDSTRONG GROUT PU (Armstrong) POWER n GROUT PU (EBT)/NITOFIL UR 60 WS 63 (Fosroc) / ZORIGROUT PU (PMCC)/ WATERSHIELD GROUT PU</p> <p>(4). After removing the pipes sealing of the holes with polymer putty – ROOFCRETE AR SYSTEMS (Armstrong) / ZORIGROUT CMG</p> | Each | 270 |

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| | | | (PMCC) / POWER n GUARD ARM (EBT) / WATERSHIELD AR / Fosroc with Cement. | | |
| 352 | MAT-05367 | BMT-H.80 | Supply of chemicals for specialised expansive aqua reactive water barrier grout - RAPIDSTRONG GROUT PU (Armstrong) POWER n GROUT PU (EBT)/NITOFIL UR 60 WS 63 (Fosroc) / ZORIGROUT PU (PMCC)/ WATERSHIELD GROUT PU | Kg | 1620 |
| | | | FOR STRENGTHENING AND SEAL THE POROSITY OF THE CONCRETE TO ARREST THE LEAKAGES, DAMPNESS , LEAKAGES OF CONSTRUCTION JOINTS FOR TERRACE / CEILING / RCC RETAINING WALLS / BASEMENT FLOORINGS / WATER TANKS / RESERVOIRS / TOILETS etc., | | |
| 353 | MAT-05368 | BMT-H.81 | SPECIALISED INJECTION GROUTING WITH CEMENT AND FREE FLOW ADDITIVES : a). Drilling of holes with power drilling machine to the required depth [12mm to 14mm dia holes] b). Fixing of Rubber Nozzles with cement and quick setting, Rapid hardening compound putty - Rapidstrong qs or equivalent. c). Grouting of holes with 140 PSI Grout pump with cement slurry mixing with Specialized Free flow, Non-shrink Grout additive - RAPIDSTRONG GROUT ADMIX (Armstrong) /POWER n GROUT ADMIX (EBT) / CEBEX 100 (Fosroc)/ ZORIGROUT GP1 (PMCC) / SIKAGROUT ANCHKOR NSQ (Sika) /WATERSHIELD GROUT ADMIXi.e., 250 Grams per bag of 50 Kgs Cement add required water to make slurry form. d). After completion of grouting, Remove the Rubber nozzles e). Later sealing of the hole with polymer cement putty - ROOFCRETE AR (Armstrong) / ZORIGROUT CMG (PMCC) / POWER n GUARD ARM (EBT) / WATERSHIELD AR / Fosroc NITOBOND AR + Cement. | Each | 162 |
| | | | FOR STRENGTHENING AND SEAL THE POROSITY OF THE CONCRETE TO ARREST THE LEAKAGES, DAMPNESS , LEAKAGES OF | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | CONSTRUCTION JOINTS : (FOR TERRACE /CEILING / RCC RETAINING WALLS / BASEMENT FLOORINGS / WATER TANKS / RESERVOIRS / TOILETS etc.,) | | |
| 354 | MAT-05369 | BMT-H.82 | SPECIALISED INJECTION GROUTING WITH CEMENT AND CRYSTALLIZATION ADMIXTURES : a]. Drilling of holes with power drilling machine to the required depth [12mm to 14mm dia holes] b]. Fixing of Rubber Nozzles with cement and quick setting, Rapid hardening compound putty Rapidstrong qs or equivalent c]. Grouting of holes with 140 PSI Grout pump with cement slurry mixing with Specialized crystallization compound-Roofex gp or equivalent @ 5% by weight of cement. d]. After completion of grouting, Remove the Rubber nozzles e]. Later sealing of the hole with polymer cement putty-ROOFCRETE AR (Armstrong) / ZORIGROUT CMG (PMCC) / POWER n GUARD ARM (EBT) / WATERSHIELD AR / Fosroc NITOBOND AR + Cement | Each | 243 |
| | | | CRACKS AT TERRACE / BEAM & WALLS JUNCTIONS - SEALING THE JOINTS WITH POLYURETHANE SEALANT : | | |
| 355 | MAT-05370 | BMT-H.83 | SPECIALISED POLYURETHANE SEALANT TREATMENT : a). Making "U" Groove (width and depth of 6mm x 6mm) b). Filling of the groove with polyurethane sealant – ROOFSEAL PU (Armstrong) / POWER n SEAL PU (EBT) / THIOFLEX 600 (Fosroc) / ZORISEAL PU (PMCC) / SIKAFLEX PRO -3 WF (Sika) WATERSHIELD PU 3 | RMT | 356 |
| | | | CRACKS AT INTERNAL / EXTERNAL WALLS - SEALING THE CRACKS WITH ACRYLIC CAULKING COMPOUND | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| 356 | MAT-05371 | BMT-H.84 | SPECIALISED ACRYLIC CAULKING SEALANT TREATMENT : a). Making "U" Groove (width and depth of 6mm x 6mm) b). Filling of the groove with Acrylic caulking compound - WONDERSEAL XL (Armstrong) / POWER n SEAL XL (EBT) / NITOSEAL (Fosroc) / WATERSHIELD XL /ZORISEAL XL LATEX (PMCC) | RMT | 194 |
| 357 | | BMT-H.128 | Providing and fixing of expansion joint system related with floor location: The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminium base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self – centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design (Material shall confirm to ASTM 6063.) (Floor Joint of 200 mm gap) | RMT | 7171 |
| 358 | | BMT-H.129 | Providing and fixing of expansion joint system related with wall joint (internal/ external) location: The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints system suitable for vertical wall to wall / wall to corner application, both new and existing construction in buildings & | RMT | 4806 |

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| | | | complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminium profiles exhibiting minimal exposed aluminium surfaces mechanically snap locking the multi cellular to facilitate movement. (Material shall confirm to ASTM 6063.) (Wall Joint of 200 mm gap) | | |
| 359 | | | Providing and fixing of expansion joint system of approved make and manufactures for various roof locations: The joints shall be of extruded aluminium base members with self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides water tight roof to roof / roof to corner joint cover expansion control system that is capable of accommodating multi directional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminium base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. | | |
| | | | The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall confirm to ASTM 6063. | | |
| 360 | | BMT-H.130 | Roof Joint of 200 mm gap | RMT | 5319 |
| 361 | | BMT-H.131 | Roof Joint of 250 mm gap | RMT | 6696 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | II.SUB-SECTION | INTERGRAL WATERPROOFING COMPOUND | | |
| 362 | MAT-05372 | BMT-H.85 | Integral Cement Waterproofing Admixture for Concrete Slabs and mortar plastering works. (Dosage : 100ml Per bag of 50 Kgs Cement) Complies with I.S. 2645-2003 | 1 Ltr | 205 |
| 363 | MAT-05373 | BMT-H.86 | Liquid Concentrated Micronized Cement waterproofing Compound for Slabs, mortar plastering and water retained structures. (Dosage : 500ml per bag of 50 Kgs Cement) Complies with I.S. 2645-2003 | 1 Ltr | 129 |
| | | II.SUB-SECTION | PLASTICIZERS AND WATER REDUCING AGENT | | |
| 364 | MAT-05374 | BMT-H.87 | Concrete plasticizers and Water reducing admixture (not air entraining agent) (Dosage : 15-20ml per bag of 50 Kgs Cement)- Complies with I.S. 9103-99 Ideal to use as concrete admixture for workability retention of slump and control water cement ratio of M 20 + grade concrete for slabs /roads works and other concrete works | 1 Ltr | 216 |
| | | | SUPER PLASTICIZERS AND WATER REDUCING CONCRETE ADMIXTURES | | |
| 365 | MAT-05375 | BMT-H.88 | Super plasticizer and water reducing concrete admixture base on Ligno Sulphide Complies with IS 9103 & ASTM C 494 (Dosage : 200ml to 300mlper bag of 50 Kgs Cement) For M25 + grade concrete works like Road Projects / Canal linings/ Dams / Reservoirs / Building's concrete works. | 1 Ltr | 76 |
| 366 | MAT-05376 | BMT-H.89 | High performance super plasticizer and water reducing admixture based on lignosulphide and naphthalene blended | 1 Kg | 81 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Complies with 9103/4-99 (Dosage : 300ml to 500ml Per Bag of 50 Kgs Cement) For M30+ grade concrete works like Road Projects / Canal linings/ Dams / Reservoirs / Building's concrete works. | | |
| 367 | MAT-05377 | BMT-H.90 | High performance super plasticizer and water reducing admixture based on naphthalene blended Complies with 9103/4-99 (Dosage : 300ml to 500ml Per Bag of 50 Kgs Cement) For M40+ grade concrete Works like road projects / Canal linings / Dams / Reservoirs / Building's concrete works | 1 Kg | 86 |
| | | | SELF COMPACTING CONCRETE ADMIXTURES | | |
| 368 | MAT-05378 | BMT-H.91 | High strength super plasticizers and water reducing agent based on polycarboxylic technology. Complies with IS 9103/ASTM C 494 (300ml to 1 Ltr Per Bag of 50 Kgs Cement) For M-40+ + concrete structures in coastal areas, for early high strength. | 1 Kg | 120 |
| | | | RETARDING ADMIXTURES | | |
| 369 | MAT-05379 | BMT-H.92 | Super plasticizer, high range water reducing and retarding concrete admixture of naphthalene blended. (Complies with 9103-99) (Dosage : 300ml to 500ml Per bag of 50 Kgs Cement) For delaying of initial setting time and M 40+ Grade concrete works. | 1 Kg | 92 |
| | | | CORROSION INHIBITOR ADMIXTURE | | |
| 370 | MAT-05380 | BMT-H.93 | High strength super plasticizer and corrosion inhibitor for concrete (Complies with IS 9103-99 & EN 1504-9 Method 11.3) (Dosage : 200ml to 500ml Per Bag of 50 Kgs Cement) For Concreting under extreme corrosion effected areas / coastal areas / industrial constructions to protect the steel reinforcement. Anti Corrosion and leak proof Crack Proof,Water Proof, Concrete Hardener Admixture liquid. | 1 Kg | 103 |
| | | | AIR ENTRAINING AGENT | | |
| 371 | MAT-05381 | BMT-H.94 | Hi-power concentrated Air Entraining, | 1 Ltr | 173 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Plasticizing & Water reducing compound Complies with IS 9103-99 & ASTM C 260 (Dosage 20ml per bag of 50 Kgs Cement) Ideal to use for the construction of Bridges, Barrages, Dams, Tunnels, Piles, Foundations, Towers etc., | | |
| 372 | MAT-05382 | BMT-H.95 | Two component High Power Polyester Resin Anchor Grout Compound Complies with ASTM-827 /SNF.CRDC-621 (Yield 0.5 Ltrs / 1 Kg Pack) For Anchoring / fix the steel bars into the rocks, concrete for foundations, extension of concrete. | 1 Kg | 351 |
| IV. SUB-SECTION | | | GROUTS | | |
| 373 | MAT-05383 | BMT-H.96 | Non-shrink Free flow high strength precision grout Complies with BS 1881 Part 1161983. For machinery / thin sections of concrete joints Filling. | 1 Kg | 37 |
| 374 | MAT-05384 | BMT-H.97 | Low viscosity Epoxy resin injection grout -Two parts system. Complies with BS 6920 / ASTM 881-78 (Density 1.07 Kg Per Ltr) For Structural strengthening, filling of honey comb / voids in the concrete. | 1 Kg | 864 |
| 375 | MAT-05385 | BMT-H.98 | Non-shrink, free flow, high strength grout admixture Dosage : 250 Grams Per Bag of 50 Kgs Cement. (Complies with B.S.1881 Part 1161983) | 1 Kg | 65 |
| 376 | MAT-05386 | BMT-H.99 | High performance, High build expansive aqua-reactive water barrier polyurethane grout. | 1 Kg | 1620 |
| V. SUB- SECTION | | | BONDING AGENTS | | |
| 377 | MAT-05387 | BMT-H.100 | Acrylic based bonding adhesive (Mix: 1:1 ratio of cement) Coverage : 50 SFT/Ltr/Coat Depending on the substrate On terrace old concrete to new mortar / screed. | 1 Ltr | 162 |
| 378 | MAT-05388 | BMT-H.101 | Styrene butadiene rubber based bonding agent for mortar/ concrete | 1 Ltr | 486 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | (Mix: 1:1 ratio of cement) For ceiling / concrete repairs and bonding. Coverage : 50 SFT/Ltr/Coat Depending on the substrate | | |
| 379 | MAT-05389 | BMT-H.102 | Structural element concrete bonding agent old to new concrete epoxy bonding agent : (Two Parts system of Epoxy Bonding adhesive) Complies with ASTM-C 881 Coverage : 20 – 25 SFT / Kg /Coat For Structural concrete repairs / bonding. | 1 Kg | 940 |
| VI. SUB-SECTION | | | SEALANTS | | |
| 380 | MAT-05390 | BMT-H.103 | Single component polyurethane sealant (Gungrade/ Pour Grade) Complies with : ASTM C 920 -95 Type S / Grade NS, Class 25, and BS ; 5212 Ideal to use for Filling of runways / buildings, expansion joints, construction joints, Terrace Cracks, Sealing joints at doors, windows, facades, frames, crack etc., | 600ml | 508 |
| 381 | MAT-05391 | BMT-H.104 | Two part polysulphide sealant (Gun / Pour Grade) Complies with ASTM C 920 - 95 / DIN 18549 TT - 5 - 00227 E/BS 4254 -83 Ideal to use for Expansion / construction joints of runways, buildings etc., | 1 Kg | 442 |
| 382 | MAT-05392 | BMT-H.105 | Acrylic Latex Caulking Compound Complies ASTM-C-834-91 Ideal for exterior and interior crack filling works, Excellent bonding strength to adjoining surface. | 1 Kg | 328 |
| VII. SUB-SECTION | | | PROTECTIVE WATERPROOF COATINGS / CEMENT BASED COATINGS : | | |
| 383 | MAT-05393 | BMT-H.106 | Two component system High durable cementitious acrylic based waterproofing systems : Complies with ASTM D 4541 / BS EN 12390 / DN 1048 (2 to 3 Sqm in two coats) For Terrace, Water Tanks, Walls Waterproof Coatings of Two Part System. | 1 Ltr | 145 |
| 384 | MAT-05394 | BMT-H.107 | Acrylic Polymer Elastomeric | 1 Ltr | 378 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Cementitious Waterproof Coatings Surface treatments for Terrace, Water Tanks, Walls, Reservoirs Waterproofing Coatings. Complies with ASTM D4541 / BS EN 12390. (Coverage :50 to 60 SFT / Ltr / coat) | | |
| | | | PURE ACRYLIC ELASTOMERIC COATINGS | | |
| 385 | MAT-05395 | BMT-H.108 | Single component, High solid, cold applied, Acrylic elastomeric waterproof membrane coating Complies with ASTM C 836 / 89A & ASTM C 297 (Coverage : 50 to 60 SFT Per/Ltr/Coat) Wherever highly flexible, crack Bridging, waterproofing required for Terrace, Walls Highly Flexible Waterproof Liquid Membrane pure Acrylic Coatings. (for brush / spray application add 20% water per Ltr) | 1 Ltr | 459 |
| 386 | MAT-05396 | BMT-H.109 | Rubberized elastomeric flexible waterproof coating Complies with ASTM 836 / 89 A & ASTM C 297 Coverage : 40 to 50 SFT / Ltr / coat (for brush / spray application add 20% water per Ltr) | 1 Ltr | 324 |
| | | | BITUMINOUS COATING | | |
| 387 | MAT-05397 | BMT-H.110 | Polyurethane blended Bituminous waterproof coating system - Complies with ASTM C 836 / D 638 / DIN - 1048 / ASTM D 1004 - 76 (Coverage :40 to 50 SFT / Kg / coat) Ideal to use as waterproof of RCC substrates, Roofs, Sloped roofs, Basements. Provides jointless and seamless membrane waterproofing. (for brush / spray application add 20% water per Ltr) | 1 Kg | 616 |
| 388 | MAT-05398 | BMT-H.111 | High Performance Acrylic blended Bituminous waterproof coating systems. Complies with ASTM C 836 (Coverage : 40 to 50 SFT / Ltr / coat) (for brush / spray application add 20% water per Ltr) | 1 Kg | 378 |
| | | | SOLAR REFLECTIVE COATING | | |
| 389 | MAT-05399 | BMT-H.112 | Pure Acrylic Solar Reflective insulator coating Complies with ASTM - G - 154 : 2000 & ASTM E 903 / EN 1062 - 3 requirement of EN 1504 / 2 : EN 1062 - | 1 Ltr | 216 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|--------------------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 6 Coverage : 15 SFT / Ltr / 3 Coats (for brush / spray application add 20% water per Ltr | | |
| | | | EPOXY COATINGS | | |
| 390 | MAT-05400 | BMT-H.113 | Two component Water thinnable Food Neutral Epoxy coating (Complies with ASTM - C- 881 / EN 13813) Coverage : 70 to 80 SFT per Ltr / coat Ideal to use as internal coatings for potable water tanks, reservoirs, sumps and walls. Part - I 1 Kg : Part -II 1/2 Kg dilute with 1 Ltr of water | 1 Kg | 459 |
| | | | POLYURETHANE COATING | | |
| 391 | MAT-05401 | BMT-H.114 | Single component cold applied polyurethane waterproof coating - Complies with ASTM 836 / EN 1062-3 requirement of EN 1504 - 2 Coverage : 300 Grams Per coat / Sqm. brush / spray application add 20% water per Ltr | 1 Kg | 432 |
| | | VIII. SUB-SECTION | ANTI CORROSIVE AGENTS | | |
| 392 | MAT-05402 | BMT-H.115 | Acrylic based Anti corrosive coating To protect the exposed reinforcement/steel structures against corrosion. Coverage : 40 SFT Per Ltr / Coat. | 1 Ltr | 378 |
| 393 | MAT-05403 | BMT-H.116 | Rust converter–rust encapsulating coating for steel During repairs to protect, to convert the rust of reinforcement / steel. Coverage : 50 SFT Per Ltr / Coat | 1 Ltr | 518 |
| 394 | MAT-05404 | BMT-H.117 | High range zinc rich epoxy resin primer for reinforcement steel protection against corrosion. Coverage : 4 Sq.Mtr. /Ltr / Coat | 1 Kg | 513 |
| | | IX. SUB-SECTION | CURING COMPOUND&MISCELLANEOUS CHEMICALS | | |
| 395 | MAT-05405 | BMT-H.118 | Acrylic blended water based concrete curing compounds Complies with ASTM - C - 309 Class - A Types I & II Coverage : 3.5 to 4 Sqm / Kg / Coat | 1 Kg | 65 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | CONCRETE REPAIR ADMIXTURES | | |
| 396 | MAT-05406 | BMT-H.119 | Acrylic polymer modified reinstatement concrete /mortar admixture Dosage : 1 to 2 Ltrs Per Bag of 50 Kgs Cement can be mixed with required aggregates To achieve trusted High Strength Concreting / Structural rehabilitation / concrete repairs. | 1 Ltr | 486 |
| | | | CRYSTALLIZATION COMPOUND | | |
| 397 | MAT-05407 | BMT-H.120 | Concrete waterproofing with crystallization system by blocking inner pores and cavities of concrete. Coverage : 1.25 Kg per Sqm / Coat For Negative Water Pressure Treatments like Cellar / Ceiling areas etc., | 1 Kg | 389 |
| | | | PLUGGING COMPOUND | | |
| 398 | MAT-05408 | BMT-H.121 | Fast setting cement based plugging compound. To arrest water flow leakages. (Powder Form :mix with water direct application | 1 Kg | 92 |
| | | | SHOTCRETE / GUNITING ADMIXTURE | | |
| 399 | MAT-05409 | BMT-H.122 | Set Accelerator for sprayed concrete and plasticizer Complies with IS 9103-99 / ASTM C 494 Type C / BS 5075 Dosage : 1 Kg to 3 Kgs per Bag of 50 Kgs Cement Depend on setting time required For shotcrete / Gunniting / Emergency concrete works | 1 Kg | 92 |
| 400 | MAT-05410 | BMT-H.123 | Quick setting, rapid hardening and water proofing compound Complies with ASTM C 494 Type C / IS 9103 -99 & BS 5075. Dosage : 1 Kg to 3 Kgs Per Bag of 50 Kgs Cement Depend on setting time For emergency works/Anti wash and under water concreting. | 1 Ltr | 86 |
| | | | MICRO CONCRETE | | |
| 401 | MAT-05411 | BMT-H.124 | High strength non-shrink cementitious micro concrete | 1 Kg | 41 |
| | | | TILE ADHESIVES / GROUTS | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2021-22 (Rs.) |
|-------|-----------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 402 | MAT-05412 | BMT-H.125 | Tile Adhesive. Confirms to IS 15477-2004 for both type I & II / BS : EN 12004 CTT adhesive. For excellence adhesion, improved workability waterproof and also heat resistant tile fixing adhesive. At 3mm thickness 65-70 SFT | 1 Kg | 59 |
| 403 | MAT-05413 | BMT-H.126 | Three component system epoxy grout for Vitrified tiles, Ceramic tiles and stones B.S. 5980 : 1980 / BS EN 120004, R 2 T. Depends upon tile dimension and grout width | 1 Kg | 745 |
| 404 | MAT-05414 | BMT-H.127 | Polymer Modified Tile Grout Complies with BS EN 13888, CG 2AW 4 - 4.5 Sqm / Kg of 150 mm x 150mm tile size mix 1 Part Water with 4 Parts Powder Pack | 1 Kg | 65 |
| 405 | | BMT-H.133 | <p>SPECIALISED POLYSULPHIDE / POLYURETHANE / HIGHBRED ACRYLIC / SEALANT TREATMENT TO THE OLD / EXISTING EXPANSION JOINT IN THE TERRACE, COLUMN, BEAM</p> <ol style="list-style-type: none"> 1. Cut and remove the existing expansion joint in the screed for a minimum width of 200 mm and a depth of screed (up to the mother slab) by using diamond disc cutting machine and dispose the debris as per the department instruction. All elevated kerb wall both sides of the expansion joint along with the top free laying slab, cover etc as per the site conditions under the scope of the main contractor / client 2. Remove the existing filling for a minimum depth of 40 mm using sharp knife (approximate size 25 x 40 mm) as per the site condition. 3. If the site condition allows to insert backer rod, remove the existing filling for a minimum depth of 70 mm from the top (the clear filling of sealant should be 40 mm) and insert MixCELL R inside the joint. 4. Clean the surface with air blower up to receive a dust free surface and make sure the surface is sound dry or the moisture content is less than 5 %. | RMT | 2535 |

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| | | | <p>5. Apply one coat of Penetrative Primer MixPRIME SB 300 and allow touching dry.</p> <p>6. Fill the MixFLEX AC in the joint by using a sealant gun / notch trowel as per site condition up to the required depth and width and allow to dry for a minimum period of 1 day as per the climatic condition.</p> <p>7. Apply two coat of penetrative sealer coat site mixed primer MixPRIME AC100 - mix with portable water and OP Cement in the ratio of 2:1:3 (Two part MixPRIME AC100 : One Part water : 3 Part OP cement by using slow speed mixer machine with paddle for a period of 2 to 3 minutes up to receive a homogeneous mix) @ 1.000 Liter per SQM in the entire screed removed portion (vertical and horizontal faces) of 200 mm along with saturated (saturated with MixPRIME AC100: Water: OP Cement in the ratio of 2:1:1) MixFELT P50 in between the two coats and allow to cure for a period of 6 hours.</p> <p>8. Do the necessary levelling plastering with cement sand mortar 1:2:4 (6 mm aggregate) screed along with the addition of MixBOND SBR Super and PLAST FIBER 3S as per the following for a minimum thickness of removal.</p> <ol style="list-style-type: none"> Mix the MixBOND SBR Super @ 2 Liter / Bag Cement in the ratio of 1:4 Mortar (Pre mix the admixture in the portable water for preparing the mortar) Add 100 Gram PLASTFIBRE 3S in the above liquid and stirred well with a slow speed drill with paddle. Prepare the cement sand screed in the ratio of 1:2:4 with above prepared liquid for the suitable consistency. Necessary curing and drying for a minimum period of 4 days. <p>9. In wet condition, provide a dummy expansion joint on the top of the screed for a minimum size of 10 x 10 mm by using sharp trowel</p> <p>10. Apply one coat of Penetrative Primer MixPRIME SB 300 in the</p> | | |
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| | | | <p>entire surface of the dummy joint and allow to touch dry for a period of 30 minutes.</p> <p>Fill the MixFLEX AC in the joint by using a sealant gun / notch trowel as per site condition up to the required depth and width</p> <p>Procedure for MixGUARD HR5 Waterproofing System – 500 mm width</p> <ol style="list-style-type: none"> 1. Apply one coat of penetrative sealer coat site mixed primer MixPRIME AC100 - mix with portable water and OP Cement in the ratio of 2:1:3 (Two part MixPRIME AC100 : One Part water : 3 Part OP cement by using slow speed mixer machine with paddle for a period of 2 to 3 minutes up to receive a homogeneous mix) @ 1.000 Liter per SQM as per the porosity of the prepared mother slab by using roller brush / hand brush / Sprayer and allow to dry for a period of 6 to 8 Hrs after the laying of tensile reinforcement mat. 2. Lay the MixMAT GFM70/50 (as per site condition) on the top of MixPRIME AC100 in the wet condition. In such a way place the MixMAT GFM 70/50 on the prepared surface and applied the slurry over also obtain the same technical property. 3. Apply one coat of penetrative primer MixPRIME AC @ 0.250 Liter per SQM by using roller brush / hand brush / sprayer and allow drying for a period of 6 Hrs. 4. Application of Base Coat Water Proofing System with MixGUARD HR @ 0.500 Kg / SQM by using roller brush / hand brush / sprayer and allow to dry for a period of 6 Hrs. 5. Application of Top Coat Water Proofing System with MixGUARD HR Xtra @ 0.500 Kg / SQM by using roller brush / hand brush / sprayer and allow to final curing for a period of 2 to 3 days <p>with ROOFSEAL PS, MixFLEX AC, ZORISEAL PS, POWR n SEAL PS, NITOSEAL PS 200, WATERSEAL PS or equivalent comply with BS 5254, ASTM C 834, ASTM C 1253, ASTM D 4541, ASTM D 1117, ASTM D 5729</p> <p>Note: -</p> <ol style="list-style-type: none"> 1) No dilution or modification recommended except item no 7,8 and 1 in HR5 System. 2) The all materials should be procure as per the consumption with respect of the work order. 3) The application should be carried out | |
|--|--|--|---|--|

| | | | by an approved agency. 4) The contractor should provide 5 years material warrantee from the Manufacturer and 5 year warrantee from the applicator or combined 5)The all civil work such as cutting (elevated kerb wall with slab), removing cleaning and screed with cement sand and aggregate including all materials and labours should be under the scope of the main contractor / client as per the site condition and our requirement to complete the expansion joint treatment as per the BOQ / Tender document. | | |
|--------------------------|-----------|-----------|---|-------|----------------------------------|
| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
| 1 | | 2 | 3 | 4 | 5 |
| I.SECTION | | | GLASS MATERIALS (Landing cost – including loading, cost of conveyance & unloading) | | |
| I.SUB- SECTION | | | PLAIN GLASS PANES | | |
| 406 | MAT-01052 | BMT-I.01 | Plain Float Glass 4 mm thick | 1 sqm | 486 |
| 407 | MAT-01053 | BMT-I.02 | Plain Float Glass 5 mm thick | 1 sqm | 634 |
| 408 | MAT-01054 | BMT-I.03 | Plain Float Glass 6 mm thick | 1 Sqm | 756 |
| 409 | MAT-01055 | BMT-I.04 | Plain Float Glass 8 mm thick | 1 Sqm | 1032 |
| 410 | MAT-01056 | BMT-I.05 | Plain Float Glass 10 mm thick | 1 Sqm | 1150 |
| 411 | MAT-01057 | BMT-I.06 | Plain Float Glass 12 mm thick | 1 Sqm | 1375 |
| II..SUB- SECTION | | | PIN HEADED GLASS PANES | | |
| 412 | MAT-01064 | BMT-I.13 | Pin headed Glass 4 mm thick | 1 sqm | 370 |
| 413 | MAT-01065 | BMT-I.14 | Pin headed Glass 5 mm thick | 1 sqm | 465 |
| III..SUB- SECTION | | | TINTED GLASS PANES | | |
| 414 | MAT-01058 | BMT-I.07 | Tinted - Bronze/ Green Glass 4 mm thick | 1 sqm | 599 |
| 415 | MAT-01059 | BMT-I.08 | Tinted - Bronze/ Green Glass 5 mm thick | 1 sqm | 749 |
| 416 | MAT-01060 | BMT-I.09 | Tinted - Bronze/ Green Glass 6 mm thick | 1 Sqm | 900 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|---|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 417 | MAT-01061 | BMT-I.10 | Tinted - Bronze/ Green Glass 8 mm thick | 1 Sqm | 1153 |
| 418 | MAT-01062 | BMT-I.11 | Tinted - Bronze/ Green Glass 10 mm thick | 1 Sqm | 1454 |
| 419 | MAT-01063 | BMT-I.12 | Tinted - Bronze/ Green Glass 12 mm thick | 1 Sqm | 1800 |
| IV..SUB-SECTION | | | FROSTED/ GROUND GLASS PANES | | |
| 420 | MAT-01066 | BMT-I.15 | Frosted / Ground Glass 4 mm thick | 1 sqm | 575 |
| 421 | MAT-01067 | BMT-I.16 | Frosted / Ground Glass 5 mm thick | 1 sqm | 750 |
| V..SUB- SECTION | | | TOUGHENED PANES | | |
| 422 | MAT-01068 | BMT-I.17 | Toughened Plain Glass 5 mm (including Glass) | 1 sqm | 810 |
| 423 | MAT-01069 | BMT-I.18 | Toughened Plain Glass 6 mm (including Glass) | 1 sqm | 975 |
| 424 | MAT-01070 | BMT-I.19 | Toughened Plain Glass 8 mm (including Glass) | 1 sqm | 1295 |
| 425 | MAT-01071 | BMT-I.20 | Toughened Plain Glass 10 mm (including Glass) | 1 sqm | 1615 |
| 426 | MAT-01072 | BMT-I.21 | Toughened Plain Glass 12 mm (including Glass) | 1 sqm | 1800 |
| J.SECTION | | | PAINTS & POLISHES (Landing cost – including loading, cost of conveyance & unloading) | | |
| I.SUB-SECTION | | | PRIMERS, FILLERS & BASES | | |
| 427 | MAT-01073 | BMT-J.01 | Supply of water based Cement Primer of Interior Grade- 1 | 1 Kg | 160 |
| 428 | MAT-01074 | BMT-J.02 | Supply of water based Cement Primer of Exterior Grade- 2 | 1 Kg | 200 |
| 429 | MAT-01104 | BMT-J.31 | Supply of wall putty of White Cement or Polymer or Cement based | 20 Kg | 600 |
| 430 | MAT-01075 | BMT-J.03 | Supply of Red Oxide Primer Paint for iron works of Grade -1 | 1 Litre | 145 |
| 431 | MAT-01076 | BMT-J.04 | Supply of Zinc Chromate Yellow Oxide Primer paint for iron works | 1 Litre | 200 |
| 432 | MAT-01077 | BMT-J.05 | Supply of Wood Primer | 1 Litre | 160 |
| 433 | MAT-01078 | BMT-J.06 | Supply of Metal paste (Putty) for steel works | 1 Kg | 130 |
| 434 | MAT-01079 | BMT-J.07 | Supply of Putty for wood work | 1 Kg | 130 |
| 435 | MAT-01080 | BMT-J.08 | Supply of White Lead | 1 Kg | 110 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 436 | MAT-01081 | BMT-J.09 | Supply of Synthetic clear Varnish | 1 Litre | 155 |
| 437 | MAT-01082 | BMT-J.10 | Supply of Spirit | 1 Litre | 96 |
| 438 | MAT-01083 | BMT-J.11 | Supply of Linseed Oil | 1 Litre | 60 |
| 439 | MAT-01084 | BMT-J.12 | Supply of thinner for melamine polish/ french polish | 1 Litre | 140 |
| 440 | MAT-01085 | BMT-J.13 | Supply of thinner for Poly-urethane polish | 1 Litre | 254 |
| 441 | MAT-01086 | BMT-J.14 | Supply of French Polish | 1 Litre | 200 |
| 442 | MAT-01087 | BMT-J.15 | Supply of ready made Wax Polish | 1 Kg | 514 |
| 443 | MAT-01091 | BMT-J.19 | Supply of wood adhesive compound | 1 Kg | 245 |
| 444 | MAT-01100 | BMT-J.27 | Supply of anti-corrosive grade - 1 bitumen paint of black colour | 1 Litre | 470 |
| II.SUB-SECTION | | | DISTEMPER PAINTS | | |
| 445 | MAT-01092 | BMT-J.20 | Supply of Dry Powder Distemper | 1 Kg | 45 |
| 446 | MAT-01093 | BMT-J.21 | Supply of acrylic based Oil Bound washable Distemper | 1 Kg | 81 |
| 447 | MAT-01099 | BMT-J.26 | Supply of paint grade white lime for wash | 25 Kg | 490 |
| 448 | MAT-01095 | BMT-J.23 | Supply of Water proof Cement paint | 1 Kg | 49 |
| 449 | MAT-01098 | BMT-J.25 | Supply of water proof Cement paint pack | 25 Kg | 1009 |
| III.SUB- SECTION | | | EMULSION BASED PAINTS | | |
| 450 | MAT-01097 | BMT-J.24 | Supply of acrylic emulsion paint interior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1 Litre | 190 |
| 451 | MAT-01107 | BMT-J.34 | Supply of acrylic emulsion paint exterior grade with silicon additives having VOC (Volatile Organic Compound) content less than 50 grams/ liter. | 1Lit | 210 |
| 452 | MAT-01108 | BMT-J.35 | 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. | 1Lit | 220 |
| IV.SUB- SECTION | | | SOLVENT BASED PAINTS | | |
| 453 | MAT-01094 | BMT-J.22 | Supply of synthetic polymer luxury plastic emulsion paint of superior grade having VOC (Volatile Organic Compound) content less than 50 grams/ | 1 Litre | 450 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|---|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | liter. | | |
| V.SUB- SECTION | | | OIL BASED ENAMEL PAINTS | | |
| 454 | MAT-01102 | BMT-J.29 | 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 | 270 |
| 455 | MAT-01103 | BMT-J.30 | 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 | 180 |
| VI.SUB- SECTION | | | TEXTURE PAINTS | | |
| 456 | MAT-01105 | BMT-J.32 | Exterior Texture. | 25 Kg | 818 |
| 457 | MAT-01106 | BMT-J.33 | Gold line Exterior Texture | 25 Kg | 1060 |
| VII.SUB-SECTION | | | SPECIAL PAINTS | | |
| 459 | MAT-01088 | BMT-J.16 | Supply of Melamine Polish | 1 Litre | 325 |
| 460 | MAT-01089 | BMT-J.17 | Supply of Interior Grade Poly-Urethane Polish | 1 Litre | 750 |
| 461 | MAT-01090 | BMT-J.18 | Supply of Exterior Grade Poly-Urethane Polish | 1 Litre | 843 |
| 462 | MAT-01101 | BMT-J.28 | Supply of grade-1 aluminium paint | 1 Litre | 300 |
| 463 | MAT-05415 | BMT-J.36 | Acrylic spray plaster in paste form made with specially selected inert mineral fillers, antifungal agents to protect the material the acrylic binding medium used gives good surface adhesion any grade Spray Plaster - Superfine (Interior Grade) | 25Kg | 500 |
| 464 | MAT-05416 | BMT-J.37 | Acrylic coarse spray plaster in paste form made with specially selected inert mineral fillers, antifungal agents to protect the material the acrylic binding medium used gives good surface adhesion interior gradeAcrylic coarse | 25Kg | 400 |
| 465 | MAT-05417 | BMT-J.38 | Supply of acrylic emulsion paint interior premium grade having VOC (Volatile Organic Compound) content less than 50 grams/liter | 1 Liter | 273 |
| 466 | MAT-05418 | BMT-J.39 | Supply of Base coat as primer for natural textures and natural stone based paints - Exterior GradeBASE COAT | 1Kg | 80 |
| 467 | MAT-05419 | BMT-J.40 | Acrylic spray plaster in paste form made with specially selected inert mineral fillers, antifungal agents to | 25Kg | 1300 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|--------------------|-----------|------------------------|--|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | protect the material the acrylic binding medium used gives good surface adhesion exterior grade Spray Plaster (Exterior) | | |
| 468 | MAT-05420 | BMT-J.41 | Supply of acrylic emulsion paint exterior premium grade with silicon additives having VOC (Volatile Organic Compound) content less than 50 grams/liter.Allimate | 1 Liter | 310 |
| 469 | | BMT-J.42 | Poly-urethane paint | 1 Liter | 500 |
| K - SECTION | | | PARTICLE BOARDS (Landing cost – including loading, cost of conveyance, unloading) | | |
| | | I.SUB-SECTION | MELAMINE FACED PLAIN PARTICLE BOARDS | | |
| 470 | MAT-01109 | BMT-K.01 | Melamine faced Single Deco PPB- 8 mm thick | 1Sqm | 590 |
| 471 | MAT-01110 | BMT-K.02 | Melamine faced Single Deco PPB- 12 mm thick | 1Sqm | 670 |
| 472 | MAT-01111 | BMT-K.03 | Melamine faced Single Deco PPB- 18 mm thick | 1Sqm | 776 |
| 473 | MAT-01112 | BMT-K.04 | Melamine faced Single Deco PPB- 25 mm thick | 1Sqm | 879 |
| 474 | MAT-01113 | BMT-K.05 | Melamine faced Single Deco PPB- 35 mm thick | 1 Sqm | 1463 |
| 475 | MAT-01114 | BMT-K.06 | Melamine faced Twin Deco PPB- 8 mm thick | 1 Sqm | 679 |
| 476 | MAT-01115 | BMT-K.07 | Melamine faced Twin Deco PPB- 12 mm thick | 1 Sqm | 776 |
| 477 | MAT-01116 | BMT-K.08 | Melamine faced Twin Deco PPB-18 mm thick | 1 Sqm | 898 |
| 478 | MAT-01117 | BMT-K.09 | Melamine faced Twin Deco PPB-25 mm thick | 1 Sqm | 995 |
| 479 | MAT-01118 | BMT-K.10 | Melamine faced Twin Deco PPB-35 mm thick | 1 Sqm | 1869 |
| | | II.SUB- SECTION | INSULATING PARTICLE BOARDS | | |
| 480 | MAT-01119 | BMT-K.11 | Natural Colour-Insulating Board - 12 mm thick | 1 Sqm | 242 |
| 481 | MAT-01120 | BMT-K.12 | Natural Colour-Insulating Board - 18 mm thick | 1 Sqm | 358 |
| 482 | MAT-01121 | BMT-K.13 | Natural Colour-Insulating Board - 25 mm thick | 1 Sqm | 414 |
| 483 | MAT-01122 | BMT-K.14 | White Insulating Board - 12 mm thick | 1 Sqm | 268 |
| 484 | MAT-01123 | BMT-K.15 | White Insulating Board - 18 mm thick | 1 | 383 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | | Sqm | |
| 485 | MAT-01124 | BMT-K.16 | White Insulating Board - 25 mm thick | 1 Sqm | 341 |
| III.SUB- SECTION | | | MEDIUM DENSITY FIBRE BOARD | | |
| 486 | MAT-01125 | BMT-K.17 | Medium Fibre Board: Interior Grade - 6 mm thick | 1 Sqm | 359 |
| 487 | MAT-01126 | BMT-K.18 | Medium Fibre Board: Interior Grade - 8 mm thick | 1 Sqm | 407 |
| 488 | MAT-01127 | BMT-K.19 | Medium Fibre Board: Interior Grade - 12 mm thick | 1 Sqm | 545 |
| 489 | MAT-01128 | BMT-K.20 | Medium Fibre Board: Interior Grade - 15 mm thick | 1 Sqm | 693 |
| 490 | MAT-01129 | BMT-K.21 | Medium Fibre Board: Interior Grade - 18 mm thick | 1 Sqm | 773 |
| 491 | MAT-01130 | BMT-K.22 | Medium Fibre Board: Interior Grade - 25 mm thick | 1 Sqm | 1208 |
| 492 | MAT-01131 | BMT-K.23 | Medium Fibre Board: Interior Grade - 30 mm thick | 1 Sqm | 1460 |
| 493 | MAT-01132 | BMT-K.24 | Medium Fibre Board: Interior Grade - 35 mm thick | 1 Sqm | 1592 |
| 494 | MAT-01133 | BMT-K.25 | Medium Fibre Board: Exterior Grade - 6 mm thick | 1 Sqm. | 488 |
| 495 | MAT-01134 | BMT-K.26 | Medium Fibre Board: Exterior Grade - 8 mm thick | 1 Sqm. | 569 |
| 496 | MAT-01135 | BMT-K.27 | Medium Fibre Board: Exterior Grade - 12 mm thick | 1 Sqm. | 753 |
| 497 | MAT-01136 | BMT-K.28 | Medium Fibre Board: Exterior Grade - 15 mm thick | 1 Sqm. | 946 |
| 498 | MAT-01137 | BMT-K.29 | Medium Fibre Board: Exterior Grade - 18 mm thick | 1 Sqm. | 1059 |
| 499 | MAT-01138 | BMT-K.30 | Medium Fibre Board: Exterior Grade - 25 mm thick | 1 Sqm. | 1411 |
| 500 | MAT-01139 | BMT-K.31 | Medium Fibre Board: Exterior Grade - 30 mm thick | 1 Sqm. | 1758 |
| 501 | MAT-01140 | BMT-K.32 | Medium Fibre Board: Exterior Grade - 35 mm thick | 1 Sqm. | 2077 |
| 502 | MAT-01141 | BMT-K.33 | MDF Board: Plain-Interior - 9 mm thick | 1 Sqm | 346 |
| 503 | MAT-01142 | BMT-K.34 | MDF Board: Plain-Interior - 12 mm thick | 1 Sqm | 393 |
| 504 | MAT-01143 | BMT-K.35 | MDF Board: Plain-Interior - 18 mm thick | 1 Sqm | 487 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 505 | MAT-01144 | BMT-K.36 | MDF Board: Plain-Interior - 25 mm thick | 1 Sqm | 584 |
| 506 | MAT-01145 | BMT-K.37 | MDF Board: Plain-Interior - 30 mm thick | 1 Sqm | 890 |
| 507 | MAT-01146 | BMT-K.38 | MDF Board: Plain-Interior - 35 mm thick | 1 Sqm | 1053 |
| 508 | MAT-01147 | BMT-K.39 | MDF Board: Plain-Exterior - 9 mm thick | 1 Sqm | 431 |
| 509 | MAT-01148 | BMT-K.40 | MDF Board: Plain-Exterior - 12 mm thick | 1 Sqm | 487 |
| 510 | MAT-01149 | BMT-K.41 | MDF Board: Plain-Exterior - 18 mm thick | 1 Sqm | 639 |
| 511 | MAT-01150 | BMT-K.42 | MDF Board: Plain-Exterior - 25 mm thick | 1 Sqm | 801 |
| 512 | MAT-01151 | BMT-K.43 | MDF Board: Plain-Exterior - 30 mm thick | 1 Sqm | 1053 |
| 513 | MAT-01152 | BMT-K.44 | MDF Board: Plain-Exterior - 35 mm thick | 1 Sqm | 1213 |
| 514 | MAT-01153 | BMT-K.45 | MDF Board: Interior-One Side Laminated -9 mm thick | 1 Sqm | 542 |
| 515 | MAT-01154 | BMT-K.46 | MDF Board: Interior-One Side Laminated -12 mm thick | 1 Sqm | 613 |
| 516 | MAT-01155 | BMT-K.47 | MDF Board: Interior-One Side Laminated -18 mm thick | 1 Sqm | 713 |
| 517 | MAT-01156 | BMT-K.48 | MDF Board: Interior-One Side Laminated -25 mm thick | 1 Sqm | 801 |
| 518 | MAT-01157 | BMT-K.49 | MDF Board: Interior-One Side Laminated -30 mm thick | 1 Sqm | 1158 |
| 519 | MAT-01158 | BMT-K.50 | MDF Board: Interior-One Side Laminated -35 mm thick | 1 Sqm | 1235 |
| 520 | MAT-01159 | BMT-K.51 | MDF Board: Exterior-One Side Laminated -9 mm thick | 1 Sqm | 623 |
| 521 | MAT-01160 | BMT-K.52 | MDF Board: Exterior-One Side Laminated -12 mm thick | 1 Sqm | 700 |
| 522 | MAT-01161 | BMT-K.53 | MDF Board: Exterior-One Side Laminated -18 mm thick | 1 Sqm | 793 |
| 523 | MAT-01162 | BMT-K.54 | MDF Board: Exterior-One Side Laminated -25 mm thick | 1 Sqm | 927 |
| 524 | MAT-01163 | BMT-K.55 | MDF Board: Exterior-One Side Laminated -30 mm thick | 1 Sqm | 1235 |
| 525 | MAT-01164 | BMT-K.56 | MDF Board: Exterior-One Side Laminated -35 mm thick | 1 Sqm | 1312 |
| 526 | MAT-01165 | BMT-K.57 | MDF Board: Interior-Both Side Laminated -9 mm thick | 1 Sqm | 590 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 527 | MAT-01166 | BMT-K.58 | MDF Board: Interior-Both Side Laminated -12 mm thick | 1 Sqm | 700 |
| 528 | MAT-01167 | BMT-K.59 | MDF Board: Interior-Both Side Laminated -18 mm thick | 1 Sqm | 801 |
| 529 | MAT-01168 | BMT-K.60 | MDF Board: Interior-Both Side Laminated -25 mm thick | 1 Sqm | 1006 |
| 530 | MAT-01169 | BMT-K.61 | MDF Board: Interior-Both Side Laminated -30 mm thick | 1 Sqm | 1235 |
| 531 | MAT-01170 | BMT-K.62 | MDF Board: Interior-Both Side Laminated -35 mm thick | 1 Sqm | 1312 |
| 532 | MAT-01171 | BMT-K.63 | MDF Board: exterior-Both Side Laminated -9 mm thick | 1 Sqm | 666 |
| 533 | MAT-01172 | BMT-K.64 | MDF Board: exterior-Both Side Laminated -12 mm thick | 1 Sqm | 792 |
| 534 | MAT-01173 | BMT-K.65 | MDF Board: exterior-Both Side Laminated -18 mm thick | 1 Sqm | 937 |
| 535 | MAT-01174 | BMT-K.66 | MDF Board: exterior-Both Side Laminated -25 mm thick | 1 Sqm | 1024 |
| 536 | MAT-01175 | BMT-K.67 | MDF Board: exterior-Both Side Laminated -30 mm thick | 1 Sqm | 1296 |
| 537 | MAT-01176 | BMT-K.68 | MDF Board: exterior-Both Side Laminated -35 mm thick | 1 Sqm | 1390 |
| IV.SUB- SECTION | | | CEMENT BONDED PARTICLEBOARD | | |
| 538 | MAT-01177 | BMT-K.69 | Cement bonded particle board conforming to IS 14276- 6 mm thick | 1 sqm | 255 |
| 539 | MAT-01178 | BMT-K.70 | Cement bonded particle board conforming to is 14276- 8 mm thick | 1 sqm | 338 |
| 540 | MAT-01179 | BMT-K.71 | Cement bonded particle board conforming to is 14276- 10 mm thick | 1 sqm | 395 |
| 541 | MAT-01180 | BMT-K.72 | Cement bonded particle board conforming to is 14276- 12 mm thick | 1 sqm | 493 |
| 542 | MAT-01181 | BMT-K.73 | Cement bonded particle board conforming to is 14276- 16 mm thick | 1 sqm | 624 |
| 543 | MAT-05423 | BMT-K.109 | Cement bonded particle board conforming to is 14276- 18 mm thick | 1 Sqm | 709 |
| 544 | MAT-01182 | BMT-K.74 | Cement bonded particle board conforming to is 14276- 20 mm thick | 1 sqm | 752 |
| 545 | MAT-01183 | BMT-K.75 | Cement bonded particle board conforming to is 14276- 25 mm thick | 1 sqm | 1055 |
| 546 | MAT-01184 | BMT-K.76 | Cement bonded particle board conforming to is 14276- 30 mm thick | 1 sqm | 1265 |
| 547 | MAT-01185 | BMT-K.77 | Cement bonded particle board conforming to is 14276- 40 mm thick | 1 sqm | 1690 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 549 | MAT-01186 | BMT-K.78 | Pre laminated cement bonded particle board-6 mm thick | 1 sqm | 636 |
| 550 | MAT-01187 | BMT-K.79 | Pre laminated cement bonded particle board-8 mm thick | 1 sqm | 687 |
| 551 | MAT-01188 | BMT-K.80 | Pre laminated cement bonded particle board- 10 mm thick | 1 sqm | 737 |
| 552 | MAT-01189 | BMT-K.81 | Pre laminated cement bonded particle board- 12 mm thick | 1 sqm | 806 |
| 553 | MAT-01190 | BMT-K.82 | Pre laminated cement bonded particle board- 16 mm thick | 1 sqm | 896 |
| 554 | MAT-01191 | BMT-K.83 | Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 6mm thick | 1 sqm | 298 |
| 555 | MAT-01192 | BMT-K.84 | Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 8mm thick | 1 sqm | 359 |
| 556 | MAT-01193 | BMT-K.85 | Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 10mm thick | 1 sqm | 451 |
| 557 | MAT-01194 | BMT-K.86 | Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 12mm thick | 1 sqm | 553 |
| 558 | MAT-01195 | BMT-K.87 | Cement Bonded Particale DESIGNER BOARD Available Designs 1. Lumber 2. Quadra 3. Murk Standard size 8'X4' 10'X4'- 16mm thick | 1 sqm | 729 |
| 559 | MAT-01196 | BMT-K.88 | Cement Bonded Board conforming to IS:14862-2000 - 4mm Thick | 1 Sqm | 168 |
| 560 | MAT-01197 | BMT-K.89 | Cement Bonded Board conforming to IS:14862-2000 - 6mm Thick | 1 Sqm | 240 |
| 561 | MAT-01198 | BMT-K.90 | Cement Bonded Board conforming to IS:14862-2000 - 8mm Thick | 1 Sqm | 309 |
| 562 | MAT-01199 | BMT-K.91 | Cement Bonded Board conforming to IS:14862-2000 - 10mm Thick | 1 Sqm | 355 |
| 563 | MAT-01200 | BMT-K.92 | Cement Bonded Board conforming to IS:14862-2000 - 12mm Thick | 1 Sqm | 444 |
| 564 | MAT-01201 | BMT-K.93 | Cement Bonded Board conforming to IS:14862-2000 - 14mm Thick | 1 Sqm | 472 |
| 565 | MAT-01202 | BMT-K.94 | Cement Bonded Board conforming to IS:14862-2000 - 16mm Thick | 1 Sqm | 564 |
| 566 | MAT-01203 | BMT-K.95 | Cement Bonded Board conforming to IS:14862-2000 - 18mm Thick | 1 Sqm | 608 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 567 | MAT-01204 | BMT-K.96 | Cement Bonded Board conforming to IS:14862-2000 - 20mm Thick | 1 Sqm | 679 |
| 568 | MAT-01213 | BMT-K.105 | ITEM DELETED | | |
| 569 | MAT-05421 | BMT-K.106 | 50 mm thick SOLID WALL PANEL Sandwich panels made of light weight FRACC non-asbestos fibre reinforced cement concrete | 1 Sqm | 1043 |
| 570 | MAT-05422 | BMT-K.107 | 75 mm thick SOLID WALL PANEL Sandwich panels made of light weight FRACC non-asbestos fibre reinforced cement concrete | 1 Sqm | 1314 |
| | | | Note: Items BMT-K.97 , BMT-K.98,BMT-K.99,BMT-K.100,BMT-K.101,BMT-K.102,BMT-K.103,BMT-K.104 are removed in the section K and are brought as new items in the Section L as BMT-L.21,BMT-L.22,BMT-L.23,BMT-L.24,BMT-L.25,BMT-L.26,BMT-L.27,BMT-L.28. | | |
| L.SECTION | | | PLYWOOD (Landing cost – including loading, cost of conveyance, unloading) | | |
| I.SUB- SECTION | | | MOISTURE RESISTANT (MR) GRADE | | |
| 571 | MAT-01216 | BMT-L.01 | 3 Ply - 4 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 370 |
| 572 | MAT-01217 | BMT-L.02 | 5 Ply - 6 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 425 |
| 573 | MAT-01218 | BMT-L.03 | 5 Ply - 8 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 515 |
| 574 | MAT-01219 | BMT-L.04 | 5 Ply - 9 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 510 |
| 575 | MAT-01220 | BMT-L.05 | 9 Ply - 12 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 640 |
| 576 | MAT-01221 | BMT-L.06 | 9 Ply - 15 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 910 |
| 577 | MAT-01222 | BMT-L.07 | 9 Ply - 18 mm thick Plywood(IS:303) MR Grade | 1 Sqm | 957 |
| II.SUB- SECTION | | | BOILING WATER RESISTANT (BWR)GRADE | | |
| 578 | MAT-01223 | BMT-L.08 | 3 Ply - 4 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 450 |
| 579 | MAT-01224 | BMT-L.09 | 5 Ply - 6 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 540 |
| 580 | MAT-01225 | BMT-L.10 | 5 Ply - 8 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 670 |
| 581 | MAT-01226 | BMT-L.11 | 5 Ply - 9 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 630 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 582 | MAT-01227 | BMT-L.12 | 9 Ply - 12 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 829 |
| 583 | MAT-01228 | BMT-L.13 | 9 Ply - 15 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 1100 |
| 584 | MAT-01229 | BMT-L.14 | 9 Ply - 19 mm thick Plywood(IS:303) BWR/BWP Grade | 1 Sqm | 1130 |
| III.SUB- SECTION | | | VENEERED DECORATIVE PLYWOOD | | |
| 585 | MAT-01230 | BMT-L.15 | 3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 650 |
| 586 | MAT-01231 | BMT-L.16 | 5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 745 |
| 587 | MAT-01232 | BMT-L.17 | 5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 920 |
| 588 | MAT-01233 | BMT-L.18 | 9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1370 |
| 589 | MAT-01234 | BMT-L.19 | 5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1400 |
| 590 | MAT-01235 | BMT-L.20 | 9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328) | 1 Sqm | 1550 |
| IV.SUB- SECTION | | | LAMINATES | | |
| 591 | MAT-01205 | BMT-L.21 | Laminate Sheets - Glossy Finish: 1 mm thick | 1 Sqm | 380 |
| 592 | MAT-01206 | BMT-L.22 | Laminate Sheets - Glossy Finish: 1.50 mm thick | 1 Sqm | 565 |
| 593 | MAT-01207 | BMT-L.23 | Laminate Sheets - Glossy Finish: 1.80 mm thick | 1 Sqm | 620 |
| 594 | MAT-01208 | BMT-L.24 | Laminate Sheets - Mat Finish: 1 mm thick | 1 Sqm | 400 |
| 595 | MAT-01209 | BMT-L.25 | Laminate Sheets - Mat Finish: 1.50 mm thick | 1 Sqm | 550 |
| 596 | MAT-01210 | BMT-L.26 | Laminate Sheets - Mat Finish: 1.80 mm thick | 1 Sqm | 590 |
| V.SUB- SECTION | | | COMMERCIAL VENEERS | | |
| 597 | | BMT-L.27 | Teak Veneer Lamination - 4 mm thick - Pencil Grains | 1 Sqm | 470 |
| 598 | | BMT-L.28 | Teak Veneer Lamination - 4 mm thick - Natural Grains | 1 Sqm | 825 |
| | | BMT-L.29 | Providing Wood Polymer Composite (WPC) solid, frostywhite single extruded factory made 2.44 mt x 1.22 mt boards in | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|----------------------|-----------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 599 | MAT-05424 | BMT-L.29.A | 6 MM thickness (Density 550 kg/Cum, Weight 9.5Kg) | sqmt | 699 |
| 600 | MAT-05425 | BMT-L.29.B | 11 MM thickness (Density 500 kg/Cum, Weight 16.5Kg) | sqmt | 1150 |
| 601 | MAT-05426 | BMT-L.29.C | 18 MM thickness (Density 650 kg/Cum, Weight 35Kg) | sqmt | 2145 |
| M.SECTION | | | CEILINGS, WALL PARTITIONS & WALL LININGS | | |
| I.SUB-SECTION | | | FALSE CEILINGs- TILES / SHEETS | | |
| 602 | MAT-01236 | BMT-M.01 | Gypsum Board tiles of size notless than 0.595 M x 0.595 M of 12.5 mm thick as per IS 2095 -1992 | 1 Sqm | 275 |
| 603 | MAT-01237 | BMT-M.02 | Gypsum Board tiles of size notless than 0.595 M x 0.595 M of 9 mm thick as per IS 2095 -1992 | 1 Sqm | 270 |
| 604 | MAT-01238 | BMT-M.03 | Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 -1993 | 1 Sqm | 221 |
| 605 | MAT-01263 | 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 $\lambda = 0.052$ to 0.057 w/mk, Fire Performance Class 0/Class 1 | 1 Sqm | 599 |
| 606 | MAT-01264 | 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 $\lambda = 0.052$ to 0.057 w/mk, Fire Performance Class 0/Class 1 | 1 Sqm | 722 |
| 607 | MAT-01265 | 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 $\lambda = 0.052$ to 0.057 w/mk, Fire Performance Class 0/Class 1 | 1 Sqm | 725 |
| 608 | MAT-01266 | BMT-M.31 | 12 mm - Mineral Fiber sheet 600 x 600 (Square / Tegular) Edge tiles | 1 Sqm | 467 |
| 609 | MAT-01271 | BMT-M.36 | Supply of Thermocole 12 mm thick sheets | 1 Sqm | 32 |
| 610 | MAT-01272 | BMT-M.37 | Supply of Thermocole 19 mm thick sheets | 1 Sqm | 52 |
| 611 | MAT-01275 | BMT-M.40 | Calcium Silicate Boards - 6mm thick | 1 Sqm | 270 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 612 | MAT-01276 | BMT-M.41 | Calcium Silicate Boards - 8mm thick | 1 Sqm | 360 |
| 613 | MAT-01277 | BMT-M.42 | Calcium Silicate Boards - 10mm thick | 1 Sqm | 450 |
| 614 | MAT-01278 | BMT-M.43 | Calcium Silicate Boards - 12mm thick | 1 Sqm | 539 |
| 615 | MAT-01286 | BMT-M.51 | 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 | 425 |
| 616 | MAT-01287 | BMT-M.52 | 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 | 353 |
| 617 | MAT-01288 | BMT-M.53 | Designer ceiling Cement Boards - thickness 3.2 mm | 1 Sqm | 221 |
| 618 | MAT-01289 | BMT-M.54 | High pressure steam cured Cement Boards 4 mm thick | 1 Sqm. | 136 |
| 619 | MAT-01290 | BMT-M.55 | High pressure steam cured Cement Boards 6 mm thick | 1 Sqm. | 204 |
| 620 | MAT-01291 | BMT-M.56 | High pressure steam cured Cement Boards 8 mm thick | 1 Sqm. | 270 |
| 621 | MAT-01292 | BMT-M.57 | High pressure steam cured Cement Boards 10 mm thick | 1 Sqm. | 340 |
| 622 | MAT-01293 | BMT-M.58 | High pressure steam cured Cement Boards 12 mm thick | 1 Sqm. | 407 |
| 623 | MAT-01294 | BMT-M.59 | High pressure steam cured Cement Boards 14 mm thick | 1 Sqm. | 474 |
| 624 | MAT-01295 | BMT-M.60 | High pressure steam cured Cement Boards 16 mm thick | 1 Sqm. | 542 |
| 625 | MAT-01296 | BMT-M.61 | High pressure steam cured Cement Boards 18 mm thick | 1 Sqm. | 610 |
| 626 | MAT-01297 | BMT-M.62 | High pressure steam cured Cement Boards 20 mm thick | 1 Sqm. | 677 |
| 627 | MAT-01298 | BMT-M.63 | High pressure steam cured designer Cement Boards 4 mm thick | 1 Sqm. | 199 |
| 628 | MAT-01299 | BMT-M.64 | High pressure steam cured designer Cement Boards 6 mm thick | 1 Sqm. | 287 |
| 629 | MAT-01305 | BMT-M.70 | Supply and fixing of CEMENT BONDED PARTICLE BOARDS (IS 14276) false ceiling using 8MM CEMENT BONDED PARTICLE BOARDS with galvanized | 1 Sqm | 1063 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| 630 | MAT-01314 | BMT-M.79 | 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, manufacture's specification & drawing | 1 sqm | 1356 |
| 631 | MAT-01315 | BMT-M.80 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Fissura Fine Model | 1 Sqm | 353 |
| 632 | MAT-01316 | BMT-M.81 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Speckle Model | 1 Sqm | 359 |
| 633 | MAT-01317 | BMT-M.82 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 13 mm thick Square Edge - Textura Model | 1 Sqm | 397 |
| 634 | MAT-01318 | BMT-M.83 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Standard Regular Edge | 1 Sqm | 435 |
| 635 | MAT-01319 | BMT-M.84 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Fissura Fine Model | 1 Sqm | 518 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 636 | MAT-01320 | BMT-M.85 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model | 1 Sqm | 579 |
| 637 | MAT-01321 | BMT-M.86 | Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Textura Model | 1 Sqm | 861 |
| 638 | MAT-01322 | BMT-M.87 | 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. | 1504 |
| 639 | | BMT-M.96 | <p>Absorptive false ceiling</p> <p>Supply and installation of 12.5mm thick micro perforated gypsum plaster board of 3mm square perforations (minimum 13% of perforated area) backed with 50mm thick 1000 GSM polyester wool</p> <p>Construction of Frame work:</p> <p>Frame work shall consists of GI perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm) fixed along with perimeter of the beam or walls with the help of nylon sleeves and screws at 600mm c/c. Then suspend GI main channels of size 45 mm (0.9mm thick with 2 flanges of 15mm each) from the soffit at 1200mm c/c by using soffit angle of size 25mm x 10mm x 0.55mm thick fixed to true ceiling by using suitable fasteners. Cross channels of size 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to the main channel with the help of connecting clips and in a direction perpendicular to the main channel at 300mm c/c</p> <p>Cavity Filling:</p> <p>Ceiling frame work shall be back lined by using polyester wool having density of 1000 GSM and 50mm thick</p> <p>Boarding:</p> | 1 Sqm. | 2250 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | A layer of 12.5mm thickness fiber reinforced micro perforated gypsum plaster board of size 1200 x 2400 mm having perforations of minimum of 13% is fixed on to frame work. Micro perforated gypsum boards used shall have RH 90% and fire rating A2-s1, d0 Finishing: Ensure that board is fixed in plumb level, screw fix gypsum plaster board to channel, cover screw with compound and sand the surface. Joints of gypsum plaster board to be finished by using jointing tapes and compound. Final finishing is done with two coats of acrylic emulsion paint. | | |
| 640 | | BMT-M.97 | <p>Reflective false ceiling Supply and installation of 12.5mm thick plain gypsum plaster board Construction of Frame work: Frame work shall consists of GI perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm) fixed along with perimeter of the beam or walls with the help of nylon sleeves and screws at 600mm c/c. Then suspend GI main channels of size 45 mm (0.9mm thick with 2 flanges of 15mm each) from the soffit at 1200mm c/c by using soffit angle of size 25mm x 10mm x 0.55mm thick fixed to true ceiling by using suitable fasteners. Cross channels of size 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to the main channel with the help of connecting clips and in a direction perpendicular to the main channel at 300mm c/c.</p> <p>Boarding: A layer of 12.5mm thickness Plain gypsum plaster board of size 1200 x 2400mm having minimum density 550kg/m³ is fixed on to frame work.</p> <p>Finishing: Ensure board is in plumb level, screw fix gypsum plaster board to channel, cover screw with compound and sand the surface. Joints of gypsum plaster board to be finished by using jointing tapes and compound. Final finishing is done with two coats of acrylic emulsion paint.</p> | 1 Sqm | 3170 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| II.SUB- SECTION | | | FALSE CEILINGs- SECTIONS &ACCESSORIES | | |
| 641 | MAT-01239 | BMT-M.04 | G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm | 1 RM | 78 |
| 642 | MAT-01240 | BMT-M.05 | G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm thick | 1 RM | 106 |
| 643 | MAT-01241 | BMT-M.06 | G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm | 1 RM | 78 |
| 644 | MAT-01242 | BMT-M.07 | G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm (web) of 0.55 mm thick | 1 RM | 69 |
| 645 | MAT-01243 | BMT-M.08 | G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm | 1 RM | 62 |
| 646 | MAT-01244 | BMT-M.09 | G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm | 1 RM | 55 |
| 647 | MAT-01245 | BMT-M.10 | GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick | 1 RM | 60 |
| 648 | MAT-01246 | BMT-M.11 | Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm | 1 RM | 37 |
| 649 | MAT-01247 | BMT-M.12 | Polyester painted GI - T Section - 24 x 32 mm | 1 RM | 52 |
| 650 | MAT-01248 | BMT-M.13 | Polyester painted GI - T Section - 24 x 25 mm | 1 RM | 48 |
| 651 | MAT-01249 | BMT-M.14 | Polyester painted GI - T Section - 24 mm x 27 mm | 1 RM | 49 |
| 652 | MAT-01250 | BMT-M.15 | Aluminium Angle : 24 mm x 24 mm | 1 RM | 33 |
| 653 | MAT-01251 | BMT-M.16 | Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm | 1 RM | 32 |
| 654 | MAT-01252 | BMT-M.17 | Connecting Clips | 1 Each | 10 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|---|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 655 | MAT-01253 | BMT-M.18 | Rawl Plug | 1 Each | 4 |
| 656 | MAT-01254 | BMT-M.19 | 6 mm Nylon Rawl Plug | 1 Each | 4 |
| 657 | MAT-01255 | BMT-M.20 | Soffit Cleats | 1 Each | 5 |
| 658 | MAT-01256 | BMT-M.21 | Drywall Screws - 25 mm | 1 Each | 4 |
| 659 | MAT-01257 | BMT-M.22 | Jointing Compound | 1 Kg | 32 |
| 660 | MAT-01258 | BMT-M.23 | Jointing Paper Tape | 1 RM | 6 |
| 661 | MAT-01259 | BMT-M.24 | Drywall Top Coat | 1 Litre | 150 |
| 662 | MAT-01260 | BMT-M.25 | Universal Holding Clips | 1 Each | 4 |
| 663 | MAT-01261 | BMT-M.26 | 4 mm Dia GI Connecting Rod | 1 RM | 15 |
| 664 | MAT-01262 | BMT-M.27 | 2 mm Dia GI Connecting Rod | 1 RM | 10 |
| III.SUB- SECTION | | | WALL PANELLS & WALL LININGS | | |
| 665 | MAT-01274 | BMT-M.39 | Providing wooden panelling 12 mm thick 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 | 1616 |
| 666 | MAT-01267 | BMT-M.32 | 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 | 2600 |
| 667 | MAT-01300 | BMT-M.65 | Supply and fixing of wall panelling (water, fire and Termite proof) with frame work made of GI stud profile of size 48 x 40x10 x 0.6 mm thick placed | 1 Sqm. | 1000 |

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|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 8 mm Designer CEMENT BONDED BOARD | | |
| 668 | MAT-01301 | BMT-M.66 | ITEM DELETED | | |
| 669 | MAT-01306 | BMT-M.71 | 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 o primer and two coats of smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge. | 1 Sqm | 1335 |
| 670 | MAT-01309 | BMT-M.74 | Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS wall paneling using 12 MM 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 | 1865 |
| 671 | MAT-01312 | BMT-M.77 | Providing and fixing INSULATED PVC | 1 Sqm | 1950 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>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 as 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, manufacture's specification & drawing</p> | | |
| 672 | MAT-01313 | BMT-M.78 | <p>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 centre. 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 on the size of the wall. However it must be 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,</p> | 1 Sqm | 1853 |

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|-------|-----------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | manufacture's specification & drawing | | |
| 673 | MAT-01323 | BMT-M.88 | 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. | 1425 |
| | | | 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: | | |
| 674 | MAT-01282 | BMT-M.47 | A) using 8mm thick Calcium silicate boards | 1 Sqm | 807 |
| 675 | MAT-01283 | BMT-M.48 | B) Using 10mm thick Calcium silicate boards | 1 Sqm | 889 |
| 676 | MAT-01284 | BMT-M.49 | C) Using 12mm thick Calcium silicate boards | 1 Sqm | 971 |
| 677 | MAT-05430 | BMT-M.95 | Providing and fixing in position wall panelling to all heights with eco friendly light weight calcium silicate panels/tiles Globe Design of size 595mm x 595mm having square/butt edge having NRC(Noise Reduction Coefficient) of 0.5 to 0.75 as per IS 8225:1987, Light reflectance of 85%(minimum), Non Combustible as per BS:476 (part-4), fire performance as per BS:476 (part-6&7), humidity resistance of 100% and thermal conductivity < 0.043 W/m K as per ASTM 518:1991, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e.vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 x 32m fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastner with 10mm bolt. Glasswool of 50mm | 1 Sqm | 2155 |

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|-------|-----------|-----------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screwfixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving an even groove of 1 mm between the panels.</p> <p>The joints between the panels are to be duly jointed and finished using recommended jointing calcium silicate based compound & fiber joint tape roll 50mm wide (90 metre)roll and two coats of primer suitable for panelling as per manufacturer's specification as per direction of Engineer-in-Charge all complete.(With 15 mm thick integral densified fully perforated light weight calcium silicate panels/tiles)</p> | | |
| 678 | | BMT-M.98 | <p>Wall-Absorptive wall panelling Supply and installation of 17mm thick micro perforated wood having 2mm perforation and 8mm pitch backed with polyester wool of density 1000GSM x 50mm thick with Laminared finish</p> <p>Construction of Frame work: Frame work consists of 25mm thick GI wall channels with fully knurled surface of 0.55mm thick 80mm width, having two equal flanges of 26mm. A GI wall channel is fixed to the walls in horizontal direction with the help of suitable fastners at 600mm c/c then another 25mm thick GI wall channel is fixed vertically over the horizontally laid wall channel at 600mm c/c</p> <p>Cavity Filling: The frame work shall be back lined by using polyester wool having a density of 1000 GSM and 50mm thick</p> <p>Boarding: 17mm thick micro perforated wood having 2mm perforation and 8mm pitch is fixed on the frame work.</p> <p>Finishing: Ensure board is in plumb level and screw heads to be covered with compound and sand the surface. The screws are painted with manufacturer supplied paint matching the colour of the board/panel. The finishing of board is of veneer finish.</p> | 1 Sqm | 4580 |

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|-------|-----------|-----------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 679 | | BMT-M.99 | <p>Wall-Reflective wall panelling Supply and installation of 12 mm thick B.W.P ply finished with 1 mm thick laminate on all visible sides backed with 50mm thick 1000 GSM polyester wool insulation</p> <p>Construction of Frame work: Frame work consists of minimum 50mm GI stud with fully knurled surface of 0.55 mm thick, 50mm width and two equal flanges of 34mm is fixed on to the GI support made of required height, First the wall plate is fixed on to the wall using suitable fasteners at every 1200mm C/C in both the directions and an MS hollow box section of 40mmx40mm with 5mm thick is welded to the wall plate, this is used to give the support to the MS gride of 600mmx600mm which is placed at a distance of 480mm from the wall.</p> <p>Cavity Filling: The frame work shall be back lined by using polyester fiber having a density of 1000 GSM and 50mm thick held in position by using GI weld mesh</p> <p>Boarding: 12mm thick Laminated plywood (8mm plywood and 1mm laminate) of approved finish is then fixed to GI frame work by using suitable fasteners and ensure proper level of the panel surface.</p> <p>Finishing: Ensure plywood is in plumb level and finish by using laminate of approved shade and colour</p> | 1 Sqm | 880 |
| 680 | | | <p>Supply and installation of 17mm thick micro perforated wood having 2mm perforation and 8mm pitch backed with polyester wool of density 1000GSM x 50mm thick with Laminated finish</p> <p>Construction of Frame work: Frame work consists of 25mm thick GI wall channels with fully knurled surface of 0.55mm thick 80mm width, having two equal flanges of 26mm. A GI wall channel is fixed to the walls in horizontal direction with the help of suitable fasteners at 600mm c/c then an another 25mm thick GI wall channel is fixed vertically over the horizontally laid wall channel at</p> | 1 Sqm | 5200 |

| | | | | | |
|-----|--|------------------|---|----------|------|
| | | | <p>600mm c/c. Cavity Filling: The frame work shall be back lined by using polyester wool having a density of 1000 GSM and 50mm thick. Boarding; 17mm thick micro perforated wood having 2mm perforation and 8mm pitch is fixed on the frame work.</p> <p>Finishing : Ensure board is in plumb level and screw heads to be covered with compound and sand the surface.</p> <p>The screws are painted with manufacturer supplied paint matching the color of the board/panel. The finishing of board is of veneer finish.</p> <p>Note : 1. Vendors to submit all test certificates (Acoustics and fire),2. Refer drawings for over all depth of the system</p> | | |
| | | | <p>Supply and installation of 12 mm thick B.W.P ply finished with 1 mm thick laminate on all visible sides backed with 50mm thick 1000 GSM polyester wool insulation. Construction of Frame work : Frame work consists of minimum 50mm GI stud with fully knurled surface of 0.55 mm thick, 50mm width and two equal flanges of 34mm is fixed on to the GI support made of required height, First the wall plate is fixed on to the wall using suitable fasteners at every 1200mm C/C in both the directions and an MS hollow box section of 40mmX40mm with 5mm thick is welded to the wall plate, this is used to give the support to the MS gride of 600mmX600mm which is placed at a distance of 480mm from the wall. Cavity Filling : The frame work shall be back lined by using polyester fiber having a density of 1000 GSM and 50mm thick held in position by using GI weld mesh</p> <p>Boarding : 12mm thick Laminated plywood (8mm plywood and 1mm laminate) of approved finish is then fixed to GI frame work by using suitable fasteners and ensure proper level of the panel surface.Finishing : Ensure plywood is in plumb level and finish by using laminate of approved shade and color</p> | 1 Sqm | 3600 |
| 681 | | BMT-M.100 | <p>Supply and fixing of 50 mm Thick wall panels (sandwich wall panels) with 5 mm thick Cement bonded particle boards Facings and light weight EPS concrete core materials</p> | 1 Sqm | 887 |
| 682 | | BMT-M.101 | <p>Supply and fixing of 75 mm Thick wall panels (sandwich wall panels) with 5 mm thick Cement bonded particle boards Facings and light weight EPS concrete core materials</p> | 1 Sqm | 1332 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 683 | | BMT-M.102 | Supply and fixing of Pre-Laminated Cement Bonded Particle Board (Bison Lam) Conformir 15786 - 18 Mm Thick | 1 Sqm | 1081 |
| 684 | | BMT-M.103 | Supply & erection of open shelves using cement bond particle board (Bison Panel) confirming to IS 14276 with 20mm thick t for sides & shelves, 8mm back liner with 15 "depth, Each shelf height 12" to 15" with all hardware screws & nails | 1 Sqm | 1997 |
| | | IV | PARTITIONS | | |
| 685 | MAT-01273 | BMT-M.38 | 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, papertape and two coats Dry wall top coat as per specification. | 1 Sqm | 1107 |
| 686 | MAT-01279 | BMT-M.44 | 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 | 1269 |
| 687 | MAT-01280 | BMT-M.45 | 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 | 1380 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 688 | MAT-01281 | 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 12mm thick Calcium silicate boards | 1 Sqm | 1600 |
| 689 | MAT-01285 | BMT-M.50 | 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/m ³ 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 | 3900 |
| 690 | MAT-01285 | BMT-M.50 | 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/m ³ 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 | 3900 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 691 | MAT-01302 | BMT-M.67 | Supply and fixing double skin CEMENT BOARD 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. | 1806 |
| 692 | MAT-01303 | BMT-M.68 | 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 | 1650 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 693 | MAT-01304 | BMT-M.69 | 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. | 2100 |
| 694 | MAT-01307 | BMT-M.72 | 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 | 1 Sqm | 1818 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | caps to the wall and roof. CEMENT BONDED PARTICLE BOARDS is to be fixed both sides of frame work by using self tapping screws fixed at every 300mm intervals to the frame work leaving 3 mm gap between two panels. The cost inclusive with one coat of primer and two coats of smooth finish and cost and conveyance of all materials to site, labor charges etc., complete as per the direction of Engineer in charge. | | |
| 695 | MAT-01308 | BMT-M.73 | 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 | 2800 |
| 696 | MAT-01310 | BMT-M.75 | Supply and fixing of CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS aluminum glazed partitions using 10 MM CEMENT BONDED PRE-LAMINATED PARTICLE BOARDS and 5 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 | 3400 |
| 697 | MAT-01311 | BMT-M.76 | Providing and fixing 50mm thick SEMI HEIGHT SOLID PVC PARTITION consisting of 49mm sandwich PVC panel made out of 36mm high density | 1 sqm | 2900 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>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 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 form an 'L' shape the panels are joined 5mm thick plain/printed/prelam heat 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, manufacture's specification & drawing</p> | | |
| 698 | MAT-01324 | BMT-M.89 | <p>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.</p> | Sqm. | 2500 |
| | | | <p>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,</p> | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| 699 | MAT-01325 | BMT-M.90 | Fixed Partition: Outer frame section size of 46x52mm, mullion section should be of 46x70mm, fixed beading should be of 18x25mm. | 1 sqm | 5148 |
| 700 | MAT-01326 | BMT-M.91 | 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 | 5250 |
| | | | DRY WALL PARTITION WITH 50 MM THICK V-PANEL | | |
| 701 | MAT-01327 | BMT-M.92 | CEMENT BONDED PARTICLE PLANK- 8 mm- Available size-150 mm X2440mm and 200mm X 2440mm | 1 Sqm | 630 |
| 702 | MAT-01328 | BMT-M.93 | CEMENT BONDED PARTICLE PLANK- 10 mm- Available size-150 mm X2440mm and 200mm X 2440mm | 1 Sqm | 675 |
| 703 | MAT-01329 | BMT-M.94 | CEMENT BONDED PARTICLE PLANK- 12 mm- Available size-150 mm X2440mm and 200mm X 2440mm | 1 Sqm | 900 |
| | | | Note: Items BMT-M.33, BMT-M.34, and BMT-M.35 are removed in the section M and are brought as new items in the Section D as BMT-D.18, BMT-D.19 and BMT-D.20. | | |
| | | | | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-----------------------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| N.SECTION | | | DOORS (Landing cost – including loading, cost of conveyance, unloading) | | |
| I.SUB- SECTION | | | DOOR FRAMES | | |
| 704 | MAT-05431 | BMT-N.80 | 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 | 750 |
| 705 | MAT-05432 | BMT-N.81 | 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 | 415 |
| 706 | MAT-01330 | 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 | 1 Rm | 380 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | manufacturers specification and direction of Engineer-in-Charge for finished item of work | | |
| 707 | MAT-01334 | BMT-N.05 | 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 19 gauge. 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 manufacture specification and direction of Engineer-in-charge. | 1 Rm | 400 |
| 708 | MAT-01361 | BMT-N.32 | 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 | 256 |
| 709 | MAT-01362 | BMT-N.33 | 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 | 220 |
| 710 | MAT-01363 | BMT-N.34 | 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 | 260 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 711 | MAT-01364 | BMT-N.35 | 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 | 260 |
| 712 | MAT-01365 | BMT-N.36 | 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 | 296 |
| 713 | MAT-01366 | BMT-N.37 | 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 | 296 |
| 714 | MAT-01367 | BMT-N.38 | 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, | 1 RM | 828 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 715 | MAT-01368 | BMT-N.39 | 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 | 525 |
| 716 | MAT-01383 | BMT-N.54 | Providing & fixing internal prelamated 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 | 1 RM | 650 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 717 | MAT-01401 | BMT-N.72 | PVC Door frame made out of PVC material conforming to IS:10151:1982. The door frame shall be made from extruded PVC Section in overall dimensions of 40mm x 48mm having wall thickness of 1.1mm +/-0.3mm with usual process variation corresponding to Sintex code number RUPS 414. The frame shall be Reinforced with special polymeric reinforcement as shown in drawing to take up necessary hardware. The corner joint shall be mitre cut and welded or joined by means of concealed cleats with necessary screws fittings. A tie rod to be provided at bottom. [Laminated Profile] | Per Rmt. | 235 |
| 718 | | BMT-N.83 | Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of size with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebat of 32MM. | | |
| 719 | MAT-05434 | BMT-N.83.A | Door Frame section of 45x75 MM . The two Vertical members are to be joined together with the horizontal member using 8x50 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member. | 1 Rm | 550 |
| 720 | MAT-05435 | BMT-N.83.B | Door Frame section of 45x90 MM . The two Vertical members are to be joined together with the horizontal member using 8x60 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member. | 1 Rm | 775 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 721 | MAT-05436 | BMT-N.83.C | Door Frame section of 63.5x100 MM .The two Vertical members are to be joined together with the horizontal member using 8x75 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.s of screws to be provided for each vertical member & minimum 2no.s for horizontal member. | 1 Rm | 920 |
| 722 | MAT-05433 | BMT-N.82 | 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 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 | 490 |
| II.SUB- SECTION | | | DOOR SHUTTERS WITHOUTFRAMES | | |
| 723 | MAT-01341 | BMT-N.12 | Flush door shutters, solid bond wood block board type with teak ply on both faces. : 25 mmthick conforming to IS:2202 | 1 sqm | 2000 |
| 724 | MAT-01342 | BMT-N.13 | Flush door shutters, solid bond wood block board type with teak ply on both | 1 sqm | 2100 |

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|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | faces.: 30 mmthick conforming to IS:2202 | | |
| 725 | MAT-01343 | BMT-N.14 | Flush door shutters, solid bond wood block board type with teak ply on both faces.: 35 mmthick conforming to IS:2202 | 1 sqm | 2275 |
| 726 | MAT-01344 | BMT-N.15 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 25 mmthick conforming to IS:2202 | 1 sqm | 1135 |
| 727 | MAT-01345 | BMT-N.16 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 30 mmthick conforming to IS:2202 | 1 sqm | 1400 |
| 728 | MAT-01346 | BMT-N.17 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 35 mmthick conforming to IS:2202 | 1 sqm | 1529 |
| 729 | MAT-01347 | BMT-N.18 | Flush door shutters, solid bond wood block board type with commercial ply on both faces.: 40 mmthick conforming to IS:2202 | 1 sqm | 1690 |
| 730 | MAT-01348 | 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 mmthick conforming to IS:2202 | 1 sqm | 2136 |
| 731 | MAT-01349 | 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 mmthick conforming to IS:2202 | 1 sqm | 2100 |
| 732 | MAT-01350 | 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 mmthick conforming to IS:2202 | 1 sqm | 2305 |
| 733 | MAT-01351 | 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 mmthick conforming to IS:2202 | 1 sqm | 2514 |
| 734 | MAT-01352 | 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 mmthick conforming to IS:2202 | 1 sqm | 2873 |
| 735 | MAT-01354 | BMT-N.25 | Supply and fixing Cement Bonded Particle Board (IS 14276) single door | 1 Sqm | 2059 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | shutter using with 16MM Cement Bonded Particle Board 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 luppum and 2 coats of synthetic enamel paint as per approved design for finished item of work. | | |
| 736 | MAT-01355 | BMT-N.26 | 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 | 3079 |
| 737 | MAT-01408 | BMT-N.79 | Supply and fixing of CEMENT BONDED PARTICLE BOARD double door shutter using 16 MM CEMENT BONDED PARTICLE BOARD LAM with all round "U" section size of 20mm x 18mm x20mm made from 0.6mm thick galvanized pre-painted cold ro steel profiles with CEMENT BONDED PARTICLE BOARD LAM separating two shutter with 30mm x lled 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 | 1 Sqm | 2929 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | of all materials at site labor charges etc., complete finished item of work. | | |
| 738 | MAT-01359 | BMT-N.30 | 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 aldrops – 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 | 2448 |
| 739 | MAT-01392 | BMT-N.63 | Supply and fixing of BOARD (conforming toIS 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 | 1472 |
| 740 | MAT-01356 | BMT-N.27 | Supply and fixing of Cement Bonded Particle Board (IS 14276) LAM double door shutter using 16 MM 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 Cement Bonded Particle Board (IS 14276) 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 | 2054 |
| 741 | MAT-01376 | BMT-N.47 | Moulded panel solid core flush doors using water-resistant hardwood fibre | 1 Sqm | 1833 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | HDF / MDF fibre boards skins of 2.5 mm thick doors - 30 mm thick | | |
| 742 | MAT-01377 | BMT-N.48 | 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 | 2101 |
| 743 | MAT-01378 | BMT-N.49 | Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 30 mm thick | 1 Sqm | 1561 |
| 744 | MAT-01379 | BMT-N.50 | Solid core membrane flush doors using rigid PVC membrane of 0.3 mm thick of different elegant shades doors - 35 mm thick | 1 Sqm | 1729 |
| 745 | MAT-01335 | BMT-N.06 | Providing and fixing 35mm thick BRAND FACTORY MADE MOULDED DOOR SHUTTER consisting of solid 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 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, manufacture specification and drawing | 1 sqm | 2971 |
| 746 | MAT-01360 | BMT-N.31 | Supply and fixing of door shutters made of rigid PVC extruded hollow section 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. | 1825 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 747 | MAT-01381 | BMT-N.52 | 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 | 1750 |
| 748 | MAT-01393 | BMT-N.64 | 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 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 | 1450 |
| 749 | MAT-01397 | BMT-N.68 | Providing of 35mm thick Facotry made Prelaminated ABS (Acrolynitrile Butadyne Styrene) Door shutter moulded in different designs, consisting of all round Frame made out of water proof solid foam PVC bar of size 20x32mm, reinforced by 32x 32mm - 2 nos. for vertical made out of LVL (Laminated Veneer Lumber), core material of 32 mm thick high density craft paper honey comb board, sandwiched on both sides with prelaminated ABS sheet thickness of 1.5mm . PVC edge banding of size 0.45mm on the vertical sides.for each shutter and ISI make S.S round lock complete for finished item of work | 1 Sqm | 7000 |
| III.SUB- SECTION | | | DOORS WITH SHUTTERS & FRAMES | | |
| 750 | MAT-01331 | BMT-N.02 | Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. tubes of 19 | 1 Sqm | 2600 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 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 . | | |
| 751 | MAT-01332 | 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 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 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 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 | 1 sqm | 2900 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | & 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. | | |
| 752 | MAT-01333 | 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 19 gauge 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 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 90 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 | 2600 |
| 753 | MAT-01336 | BMT-N.07 | MOULDED PVC DOOR - WOOD FREE Providing and fixing 30mm thick Brand factory made Moulded door shutter-wood free consisting of frame made out of MS. tubes 19 gauge thickness and size of 25mmX25mm for stiles, top and bottom rails. MS. Frame shall have a | 1 sqm | 2600 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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, manufacture specification and drawing | | |
| 754 | MAT-01337 | 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 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 90° on the inner side to from top and bottom rail and 130mm wide PVC sheet out of which 100mm shall be flat and 154mm shall be bent in 90° 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 24 gauge 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 rails 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 | 1 sqm | 2200 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 755 | MAT-01394 | BMT-N.65 | 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 18x 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 alldrops 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 | 2200 |
| 756 | MAT-01357 | BMT-N.28 | 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 isto 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 "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 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 coatof luppum and two coats of synthetic enamel paint as per approved design | 1 Sqm | 4500 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------|-----------|----------------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | for finished item of work | | |
| - | | - | DOORS FRAMES (COLOUR COATED STEEL SECTIONS) & SHUTTER USING CEMENT BONDED PARTICLE BOARD AS PER IS 14276: | - | |
| 757 TO 760 | | BMT-N.40 to BMT-N.43 | ITEM DELETED | | |
| 761 | MAT-01373 | BMT-N.44 | 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 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. | 1 Sqm | 1050 |
| 762 | MAT-01374 | BMT-N.45 | 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 | 1 Sqm | 10519 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 764 | MAT-01375 | BMT-N.46 | Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanized 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 | 10989 |
| 765 | MAT-01380 | BMT-N.51 | Providing & fixing 30 mm thick solid panel PVC door shutter consisting of frame made out of 19 gauge 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 /sealed to the stiles, on either side joined together with solvent cement adhesive etc., additional 5 mm thick | 1 Sqm | 3161 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| 766 | MAT-01382 | BMT-N.53 | 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 barsas per drawing including providing special PVC bracket on hinge side, etc complete | 1 Sqm | 2656 |
| 767 | MAT-01384 | BMT-N.55 | 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-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 | 1 Sqm | 11415 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for industrial, commercial, residential, cleanroom applications | | |
| 768 | MAT-01385 | BMT-N.56 | 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 ize 100 mm X 58 mm and filled with in-fill 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 | 21252 |
| 769 | MAT-01386 | BMT-N.57 | 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 ize 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 | 1 Sqm | 13418 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 770 | MAT-01387 | BMT-N.58 | 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 ize 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 | 12760 |
| 771 | MAT-01388 | BMT-N.59 | 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 ize 143 mm X 58 mm with maximum bending radius of 1.4 mm and filled with in-fill Polyurethane foam, the Door | 1 Sqm | 20800 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|---------------------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 772 | MAT-01389 | BMT-N.60 | 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 | ¹ Sqm | 18600 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|------------------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 773 | MAT-01390 | BMT-N.61 | 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 | 15600 |
| 774 | MAT-01391 | BMT-N.62 | 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 x58 mm, door frames with a single / multi | ¹ Sqm | 24087 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 finished item of work | | |
| 775 | MAT-01395 | BMT-N.66 | ITEM DELETED | | |
| 776 | MAT-01396 | BMT-N.67 | <p>A) Specification for Foamed PVC Door Frame & ABS Shutters: Providing of Factory made prelaminate FPVC (Foamed Polyvinyl Chloride) Door frame of the size 105x40mm with a wall thickness of 10mm made out of extruded rigid FPVC profile mitre joined with 6 Nos. of 50mm long screw. The door frame shall be fixed to the wall by using 80mm long screws through the frame with the help of PVC fasteners of 3 no's to be provided for each vertical member, GI stiffeners of ("U" channel of size 29x9x1mm, 150mm long) -3 no's at hinge point, Frame reinforcement of ("U" GI channel of size 46x22x.06mm), Bottom tie rod of ("U" GI channel size of 15x15x1mm) etc. complete as per manufacturer's specification for finished item of work. Maximum door frame size : 980 x 2070</p> <p>B) Providing of 35mm thick Factory made Pre-laminated ABS (Acrylonitrile Butadiene Styrene) Door shutter moulded in different designs, consisting of all round Frame made out of water proof solid foam PVC bar of size 20x32mm, reinforced by 32x 32mm - 2 nos. for vertical made out of LVL (Laminated Veneer Lumber), core material of 32 mm thick high density craft paper honey comb board, sandwiched on both sides with pre-laminated ABS sheet thickness of 1.5mm . PVC edge banding of size</p> | Each | 15150 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos. for each shutter and ISI make S.S round lock completes for finished item of work. Maximum shutter size of : 910 x 2030 mm | | |
| 777 | MAT-01398 | BMT-N.69 | Supply and fixing of Bath room / Toilet door shutter with 16mm laminated (IS 14276) door shutter with all-round 'U' lipping of PPS section of size 12mm X 18mmX 12mmX0.6mm thickness with a hardware of 12mm dia X200mm long aluminum aldrop – 2 nos(ISI make)2 No of 125mm long handles(ISI make) and also 3 no Of IS304 grade Patee Hinges 3mmX12mmX180mm long with pole receiver of 10mm dia pole X40mm long welded on 2mm X40mm(ss304) plates works as receiver for RT patte hinges. The price inclusive of all material at site | 1 Sqm | 2640 |
| 778 | MAT-01399 | BMT-N.70 | Supply and fixing of toilet door shutter with frame made of M.S. door frame of 5mmX48mmX48mm (L angel) as all-round frame the frame is coated with one coat of red oxide and two coats of enamel of approved color. For shutter and the shutter is made with 16mm laminatedshutter with all-round 'U' Lipping of PPS section of 12mmX18mmX12mmX0.60mm, along hardware of 200m long and 12mm dia aluminum aldrop(ISI make)2 Nos, 2Nos of 125m m handle, 3 Nos of RT patte hinges IS 304gr SS 2mmX12mmX180mm long with a pole receiver of 10mmDia X 40mm by welded on 3mmX40mm SS 304, plate it works as receiver for RT Patee hinges it is welded to M.S. angle . M.S. angle will be fixed to wall of self expandable screws and caps. | 1 Sqm | 4100 |
| 779 | MAT-01402 | BMT-N.73 | Door shutter with shutter frame and Infill panel made from PVC material conforming to IS: 10151:1982. The shutter frame is made out of PVC extruded sections having overall dimensions of 100mm X 30mm, with two self extruded grooves at 40mm & 50mm on front surface. The Infill panel is made out of multi chambered seamless hollow PVC extruded panel having overall dimensions of 610 mm X 20 mm. The shutter frame shall be meter cut and | Sqm. | 1050 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | joined at corners by means of plastic brackets. Stickers showing locations of different hardware will be pasted on the shutter. ALL Dimensions are in MM. | | |
| 780 | MAT-01403 | BMT-N.74 | The shutter frame made out of PVC extruded section having overall dimensions of 59mm x 24mm with wall thickness of 1.0mm +/-0.3mm with usual process variation corresponding to the Sintex Code No.DWUF-302. The shutter frame is given tapered shape to provide better grip to the infill panel and to drain out the water. The infill panel is made out of seamless one piece multi chambered PVC extruded section having overall dimension of 610mm x 20mm with wall thickness of 1mm +/-0.2mm with usual process variation corresponding to the Sintex code No.SPUF-128. The shutter frame shall be mitre cut and joined at the corner polymeric "L' Type corners shall be provided at the corners to take up hardwares & fixtures and shall be fixed with 19 x 8mm counter sunk fully threaded parallel shank steel screws. All the hardware locations shall be reinforced with special polymeric Bars. | 1 Sqm | 2050 |
| 781to 784 | | BMT-N.75 to BMT-N.78 | ITEMs DELETED | | |
| 785 | MAT-01338 | 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 | 385 |
| 786 | MAT-01339 | 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 | 413 |
| 787 | MAT-01340 | 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 | 474 |
| 788 | | BMT-N.84 | Providing and fixing factory made uPVC | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>white colour casement/Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to Upvc profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G. fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes and silicon sealant .</p> <p>Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p> | | |
| 789 | MAT-05437 | BMT-N.84.A | Casement door with 3D hinges made of (big series) frame 67x 64 mm & sash 67 x 110 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door upto 2.00 sqm). | 1 sqm | 8820 |
| 790 | MAT-05438 | BMT-N.84.B | Casement door with top hung ventilator with 3D and S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series) frame | 1 sqm | 8900 |

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|-------|-----------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 67 x 64 mm, sash 67 x 110 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension.(Area of door upto 2.50 sqm) | | |
| 791 | | BMT-N.85 | <p>Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes, wire mesh and silicon sealant .</p> <p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be</p> | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | made. | | |
| 792 | MAT-05439 | BMT-N.85.A | Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm) | 1 sqm | 6100 |
| 793 | MAT-05440 | BMT-N.85.B | Three track three panels sliding door with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm) | 1 sqm | 7500 |
| 794 | MAT-05441 | BMT-N.86 | Providing and fixing of factory made of High Density High Moisture Resistant Wood Fibre (HDHMR) single shutter Duradoor made up of FRAME: Door frame manufactured with High Density High Moisture Resistant Wood Fibre (HDHMR) of 36mm width x 100mm depth, laminated with 0.2mm thick PVC Foil using hot press and PUR adhesive, fitted with Gasket for energy efficiency and noise protection, affixed to the wall using high strength expandable PU Foam / self-expandable wall fixing screws. Max dimensions in MM of 280 (depth) x 2440 (height) SHUTTER: Factory made 41mm thick shutter sandwiched with High Density High Moisture Resistant Wood Fibre (HDHMR) of 5.5mm thick skin on both sides and HDHMR of 30mm thickness as skeleton, core of high density Honey Comb and Laminated Veneer Lumber (LVL) for holding the lock body and hardware, laminated with 0.2mm thick PVC Foil and edge-banded with 1mm thick PVC edge-band using hot press and PUR adhesives. Max dimensions in MM of 1200 (width) x 41 (thickness) x 2400 (height), ARCHITRAVE: Factory made Architrave of size 80mm x 12mm fitted to pre-made grooves within the frame for added aesthetics. Four design variants available, made with Density High Moisture Resistant Wood | 1 sqm | 11357 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Fibre(HDHMR) of different thicknesses depending on the design variant, laminated with 0.2mm thickPVC Foil using hot press and PUR adhesive, fitted to the wall using strong quick actingadhesives. HARDWARE & ACCESSORIES: Imported hardware including door handles – 1 no, cylindrical magnetic lock -1 no ,SS hinges – 3 nos. Including cost and conveyance of all material, Hardware, Labour charges and transportation complete for finished item of work | | |
| 795 | MAT-05442 | BMT-N.87 | Supply and fixing of Bath/Toilet Door frame and shutter with 8mm laminated (IS.15786)using with 50mmx35mmx1.3mmthick aluminum door frame of weight 220grm per Rftwith a rebate of 30 mm for provision for shutter , shutter made with 45mmx25mmx1.3mm thick aluminum section of weight 210grms per Rft with 8mm groove to accommodate 8mmthick laminated (IS.15786) and shutter having 3nos of ss 304gr Butt hinges of 100mm long, 100mm aluminum handles -2nos, and also 2 nos of 200mmx12mm aluminum aldrops ,the rates inclusive of all labor fixing at site and 50microns Ivory powder coated for aluminum door frame and shutter sections etc complete finished item of work . | 1 sqm | 5348 |
| 796 | MAT-05443 | BMT-N.88 | Providing and fixing 28 -30 MM thick solid Wood Polymer Composite(WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overalldensity of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame | 1 sqm | 3394 |
| 797 | NEW Item | | Classroom Door of size of 1200 mm X 2100 mm (Single shutter)(Powder Coated Mild steel doors, frames & shutters) | 1 sqm | 9922.58 |
| 798 | New Item | | Toilet Door of Size of 750 mm X 2100 mm (Single shutter) (Powder Coated Mild Steel doors, frames & Shutters) | | 10320.34 |
| 799 | New Item | | Differently abled Toilet Door of size of 1200 mm X 2100 mm (Powder Coated Mild steel doors, frames & shutters) | | 10143.39 |
| 800 | New Item | | Customized Door (Powder Coated Mild steel doors, frames & shutters) | | 9922.58 |

| | | | | | |
|-----------------|-----------|----------|--|-------|------|
| 801 | New Item | | Supplying and Fixing of uPVC (Unplastered polyvinyl Chloride) windows made of uPVC profile. All sections of frames, sash and mullion shall be reinforced with galvanized mild steel, except but in corners of the windows. (Outer Frame 74x60x56mm) Mullion (72x60x36) uPVC Panel 158x20mm, single glass bead 34x18mm, Panel Glass bead 19x18mm, Bay Pole 60x60mm) | | 9850 |
| IV.SUB- SECTION | | | CUP-BOARD DOORS | | |
| 802 | MAT-01353 | BMT-N.24 | 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, | 1 sqm | 2400 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| 803 | MAT-01358 | BMT-N.29 | Supply and fixing of Cement Bonded Particle Board (IS 14276) box type cup board using Cement Bonded Particle Board for making frame of size 100mm x 35mm using two sandwiched 16MM boards, one Cement Bonded Particle Board 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 3/4" x 3/4" , 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 | 3900 |
| 804 | MAT-01400 | BMT-N.71 | Supply and fixing of cupboard shutter using teakwood scantling of size 50mm X50mm teakwood as outer frame and 50mm X 30 mm of size teakwood for shutter frames , 8mm thick Bison Lam as panel to each shutter consist of 2 Nos 75mm long tower bolt – 2 nos 75 mm big handle the and other shutter will have 1 no of cupboard lack , 1 No of 75 mm long handle and 75mm10mmX1mm thick SS hinges- 2 Nos for each shutter. The above frame will be fixed to the wall with screws, the rate inclusive of screws, handle, etc., complete at site of work. | 1 Sqm | 4155 |
| 805 | | BMT-N.89 | Supply and fixing of SINGLE PANEL 30mm thick door shutters(NANDI or equivalent) made of rigid PVC extruded hollow section of 20mm X 635mm with the wall thickness of 1.0mm+/- 0.1mm. The shutter frame is made of 30mmX79mm with the wall thickness of 1.5mm +/- 0.15mm section mitre-cut and joined at 4 corners with 125mmX225mm plastic brackets. 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 on to the door shutter | 1 Sqm | 2627 |

| | | | | | |
|-----|------------------|----------------------|---|----------|------|
| 806 | | BMT-N.90 | Supply and fixing of door frame (NANDI or EQUIVALENT) made of hollow extruded PVC section having dimensions of 40 X 57mm with the wall thickness of 2mm +1-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2corners shall be metri-cut/welded. PVC DOOR FRAME | 1 Sqm | 222 |
| 807 | | BMT-N.91 | Supplying & fixing SINGLE PANEL 30mm thick PVC DOOR frame (NANDI or EQUIVALENT), 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 105 mm x 30 mm with wall thickness of 1.3mm ± 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/wooden Battens as per drawing including providing special PVC bracket/Wooden Battens on hinge side etc complete | 1 Sqm | 2627 |
| | P.SECTION | | WINDOWS (Landing cost – including loading, cost of conveyance, unloading) | | |
| | | I.SUB-SECTION | OPENABLE WINDOWS | | |
| 808 | | | Supply and fixing of pre-painted steel openable windows base steel as per IS 513 of -0.58 mm thick 'D' quality, galvanized as per IS 277 , 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 with 5 mm thick plain float glass fitted with Ethyl propylene Diamine monomer Gasket (EPDM) and handle made of high grade aluminium powder coated with 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 . | | |

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| 1 | | 2 | 3 | 4 | 5 |
| 809 | MAT-01409 | BMT-P.01 | 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 | 6201 |
| 810 | MAT-01410 | BMT-P.02 | 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 | 6201 |
| 811 | MAT-01411 | BMT-P.03 | 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 | 6559 |
| 812 | MAT-01412 | BMT-P.04 | 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 | 1 Sqm | 6379 |
| 813 | MAT-01413 | BMT-P.05 | 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 | 6379 |
| 814 | MAT-01414 | BMT-P.06 | 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 | 5843 |
| 815 | MAT-01415 | BMT-P.07 | 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 | 5843 |
| 816 | MAT-01416 | BMT-P.08 | Windows: Centre fixed both side openable shutter 6'-0" x 4'-0" | 1 Sqm | 5843 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | (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 | | |
| 817 | MAT-01417 | BMT-P.09 | 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 | 5843 |
| | | | 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. | | |
| 818 | MAT-01424 | BMT-P.16 | 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 | 5664 |
| 819 | MAT-01425 | BMT-P.17 | 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 | 6022 |
| 820 | MAT-01426 | BMT-P.18 | Double shutter Window with vertical member 4'0" x 4'0" (1219.2mm x | 1 Sqm | 6022 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 48 x 25 mm and mullion section should be of 48x50mm. | | |
| 821 | MAT-01427 | BMT-P.19 | 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 | 5167 |
| 822 | MAT-01428 | BMT-P.20 | 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 | 5167 |
| | | | 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 | | |
| 823 | MAT-01429 | BMT-P.21 | 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 | 6956 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 824 | MAT-01430 | BMT-P.22 | 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 | 7288 |
| 825 | MAT-01431 | BMT-P.23 | Double shutter Window with vertical member 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 72x50mm shutter frame section size of 48 x 25 mm and mullion section should be of 72x50mm. | 1 Sqm | 7288 |
| 826 | MAT-01432 | BMT-P.24 | 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 | 6625 |
| 827 | MAT-01433 | BMT-P.25 | 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 | 5897 |
| 828 | MAT-01438 | BMT-P.30 | ITEM DELETED | | |
| 829 | MAT-01439 | BMT-P.31 | ITEM DELETED | | |
| 830 | MAT-01440 | BMT-P.32 | 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 | 1 Sqm | 5529 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 - 1220 x 1372 or below size | | |
| 831 | MAT-01441 | BMT-P.33 | 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 - 1530 x 1372 or above size | 1 Sqm | 4954 |
| 832 | MAT-01442 | BMT-P.34 | 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 | 1 Sqm | 6947 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 - 1220 x 1372 or below size | | |
| 833 | MAT-01443 | BMT-P.35 | 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 - 1530 x 1372 or above size | 1 Sqm | 6386 |
| 834 | MAT-01444 | BMT-P.36 | 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 | 1 Sqm | 4636 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| | | | 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. | | |
| 835 | MAT-01454 | BMT-P.46 | 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 | 4948 |
| 836 | MAT-01455 | BMT-P.47 | 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 | 5261 |
| 837 | MAT-01456 | BMT-P.48 | Double openable shutter window size of 4'0" x 4'0" (1219.2mm x 1219.2mm) | 1 sqm | 5261 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 838 | MAT-01457 | BMT-P.49 | 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 | 4636 |
| 839 | MAT-01458 | BMT-P.50 | 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 | 4636 |
| | | | 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. | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 840 | MAT-01459 | BMT-P.51 | 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 | 6564 |
| 841 | MAT-01460 | BMT-P.52 | 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 | 6875 |
| 842 | MAT-01461 | BMT-P.53 | 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 shutter profile section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm | 1 sqm | 6875 |
| 843 | MAT-01462 | BMT-P.54 | 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 | 6486 |
| 844 | MAT-01463 | BMT-P.55 | 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 | 6252 |
| | | | Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish | | |
| 845 | MAT-01481 | BMT-P.73 | ITEM DELETED | | |
| | | | Supplying and fixing of WINDOWS with Pre laminated Cement Bonded Particle boards and Pre-Painted Steel Sections (PPS)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 | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 12-16 microns and back coated with alkyd backer of 5-7 microns), sections for outer frame and centre mullion (duly filled with PU foam 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 color 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 no's per shutter, D) MS Powder coated telescopic stay 1 no per shutter. | | |
| 846 | MAT-01484 | BMT-P.76-A | 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 | 5813 |
| 847 | MAT-01485 | BMT-P.76-B | 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 | 5868 |
| 848 | MAT-01486 | BMT-P.76-C | 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 | 6103 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 849 | MAT-01487 | BMT-P.76-D | 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 | 5645 |
| | | II.SUB-SECTION | SLIDING WINDOWS | | |
| 850 | MAT-01434 | BMT-P.26 | <p>Providing and fixing Pre painted Steel sliding Window/Door 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 Gms./ Sq.mtr) with total coated thickness of 0.58mm. Primer Coat with epoxy primer of 5-7 microns thick, finished paint with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick.</p> <p>The External Section for two track Sliding Window should be of 44 x 59mm with a provision for bottom track insert profile of 10x9 mm made of aluminium. Section for Window glass shutter should be of 35x49mm, Section for Window Euro groove should be of 25x24mm made of plastic to accommodate standard accessories, and section for window lap strip should be of 21x4mm made of plastic.</p> <p>Section for Door shutter should be of 35x67mm, Section for Door Euro Groove 25x31mm made of plastic to accommodate standard accessories and size of lap strip should be of 39x41mm.</p> <p>The Window/Door to be panelled with 5mm thick plain float glass. The gaskets are to be made of Ethyl Propylene Diamine Manomer [EPDM]. Corner Brackets for internal and external frame to be made of glass filled nylon. Touch lock to be provided for Window Shutter. Sections are to be cut to length, joined and assembled by means of corner brackets. The above frame to be fixed to Brick/Concrete masonry by using Nylon self-expanding caps and driving MS electroplated 80mm screws into the caps through frames. The Grill for safety for windows to be made of 10mm thick square rod bars with 152mm pitch for</p> | 1 Sqm | 6992 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | complete item of work . For Door there will be no Safety Grill including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work. | | |
| 851 | MAT-01435 | BMT-P.27 | ITEM DELETED | | |
| 852 | MAT-01436 | BMT-P.28 | ITEM DELETED | | |
| 853 | MAT-01437 | BMT-P.29 | ITEM DELETED | | |
| 854 | MAT-01445 | BMT-P.37 | 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) completed for finished item of work | 1 Sqm | 5789 |
| | | | 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 0.58 mm for Outer Frame and 0.58 mm thickness for Sliding Shutter Section, the Outer Frame for Two Tracks with Grill | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 0.58 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. | | |
| 855 | MAT-01446 | BMT-P.38 | a) Window with Two Sliding Shutters and without Grill Outer Frame Size 75 mm x 50 mm. | 1 Sqm | 6030 |
| 856 | MAT-01447 | BMT-P.39 | 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 | 6324 |
| | | | 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 0.58 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 | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| 857 | MAT-01448 | BMT-P.40 | 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 | 6035 |
| 858 | MAT-01449 | BMT-P.41 | 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 | 6872 |
| 859 | MAT-01450 | BMT-P.42 | 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 | 6872 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------|-----------|------------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| 860 | MAT-01451 | BMT-P.43 | 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 | 5625 |
| 861 | MAT-01452 | BMT-P.44 | 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 | 6172 |
| 862 | MAT-01453 | BMT-P.45 | 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 | 6172 |
| 835 to 837 | | BMT-P.70 to P.72 | ITEM DELETED | | |
| 838 | | BMT-P.78 | Providing and fixing factory made uPVC white colour casement/casementcum fixed glazed windows comprising of uPVC multi-chambered frame,sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from rollforming process of required length (shape & size according to uPVCprofile), uPVC extruded glazing beads of appropriate | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>dimension, EPDMgasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes and silicon sealant .</p> <p>Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p> | | |
| 867 | MAT-05444 | BMT-P.78.A | <p>Casement window double panels with top fixed with S.S. friction hinges (350 x 19 x 1.9 mm) made of (small series) frame 47 x 50mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 2.50 sqm).</p> | Sqm | 6722 |
| 868 | MAT-05445 | BMT-P.78.B | <p>Casement cum fixed panel window having both end single casement panel, middle fixed panels and at top completely fixed ventilator with S.S friction hinges (350 x 19 x 1.9) made of (big series) frame 67 x 60 mm , sash 67 x 80 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead/double glazing bead of appropriate dimension. (Area of window above 3.00 sqm upto 5.00 sqm).</p> | Sqm | 6973 |
| | MAT-05446 | BMT-P.79 | <p>Providing and fixing factory made uPVC white colour fixed glazed windows / Ventilators comprising of uPVC multi-</p> | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicone sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes and silicon sealant.</p> <p>Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p> | | |
| 869 | | | Fixed windows / Ventilators made of (small series) frame 47 x 50mm & mullion 47 x 68 mm both having wall thickness of 1.9 ±0.2 mm and single glazing bead of appropriate dimension. | 1 Sqm | 6238 |
| 870 | | BMT-P.80 | <p>Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white</p> | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screw setc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes, wire mesh and silicon sealant .</p> <p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p> | | |
| 871 | MAT-05447 | BMT-P.80.A | Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm) | 1 Sqm | 6460 |
| 872 | MAT-05448 | BMT-P.80.B | Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm). | 1 Sqm | 8622 |
| 873 | MAT-05449 | BMT-P.80.C | Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm) | 1 Sqm | 6655 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | upto 2.50 sqm). | | |
| 874 | MAT-05450 | BMT-P.81 | <p>Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from rollforming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded Inline sash adaptor (if required),</p> <p>EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi pointlocking having transmission gear with keeps, zinc alloy (white powdercoated) touch lock with hook (if required for wire mesh panel), stainlesssteel (SS 304 grade) body with adjustable double nylon rollers (weightbearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc.</p> <p>After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge inclusive of cost of Single / double glass panes, wire mesh and silicon sealant .</p> <p>Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 2.50 sqm upto 4.00 sqm.)</p> <p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be</p> | 1 Sqm | 6606 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|------------------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | acceptable.Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. | | |
| | | III.SUB-SECTION | VENTILLATORS | | |
| | | | 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. | | |
| 875 | MAT-01464 | BMT-P.56 | 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 | 5938 |
| 876 | MAT-01465 | BMT-P.57 | 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 | 5938 |
| 877 | MAT-01466 | BMT-P.58 | 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 | 5938 |
| 878 | MAT-01467 | BMT-P.59 | 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 | 4062 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 879 | MAT-01468 | BMT-P.60 | 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 | 4062 |
| 880 | MAT-01469 | BMT-P.61 | 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 | 4062 |
| | | | 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. | | |
| 881 | MAT-01470 | BMT-P.62 | 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 | 7345 |
| 882 | MAT-01471 | BMT-P.63 | 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 | 1 sqm | 7345 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | shutter frame section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm | | |
| 883 | MAT-01472 | BMT-P.64 | 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 | 6865 |
| 884 | MAT-01473 | BMT-P.65 | 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 | 4948 |
| 885 | MAT-01474 | BMT-P.66 | 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 | 4948 |
| 886 | MAT-01475 | BMT-P.67 | 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 | 4948 |
| | | | <i>Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish</i> | | |
| | | | Supplying and fixing of Top Hung 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, The Ventilator to be panelled 4 mm pinhead glass with Ethyl propylene Diamine monomer Gasket (EPDM) and the sections cut to length mitre joined with corner bracket 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 | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | wall by means of self expanding screws including 10 mm square guard bars with 6" pitch complete for finished item of work. | | |
| 887 | MAT-01418 | BMT-P.10 | 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 | 6798 |
| 888 | MAT-01419 | BMT-P.11 | Ventilators: Top Hung 4'-0" x 2'-0" (1219.2x609.6mm) outer frame section size of 46 x 52 m shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | 1 Sqm | 6798 |
| 889 | MAT-01420 | BMT-P.12 | Ventilators: Top Hung 4'-0"x 3'-0" (1219.2x914.4mm) outer frame section size of 46 x 52m m shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm | 1 Sqm | 6798 |
| | | | Supplying and fixing of 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, The section for louvered ventilators should be of of 33 x 56 mm Box section paneled with 4 mm pinhead glass with Ethyl propylene Diamine monomer Gasket (EPDM) and the sections cut to length mitre joined with corner bracket . corner brackets made of CRCA with Zinc Phosphate. The frames to be 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. | | |
| 890 | MAT-01421 | BMT-P.13 | Ventilators: Fixed louvers 2'-0" x 2'-0" (609.6x609.6mm)(Box section) outer frame section size of 33 x 56 mm | 1 Sqm | 4650 |
| 891 | MAT-01422 | BMT-P.14 | 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 | 4650 |
| 892 | MAT-01423 | BMT-P.15 | 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 | 4650 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------|-----------|------------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 865 to 868 | | BMT-P.68 to P.75 | ITEMS DELETED | | |
| 893 | MAT-01488 | BMT-P.77 | <p>Providing and fixing 3 Track 3 Shutter Pre painted Steel sliding Window/Door 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 Gms./ Sq.mtr) with total coated thickness of 0.58mm. Primer Coat with epoxy primer of 5-7 microns thick, finished paint with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick. The External Section for Three Track Three Sliding Shutter should be of 44 x 107mm with a provision for bottom track insert profile of 10x9 mm made of aluminium. Section for Window glass shutter should be of 35x49mm, Section for Window Euro groove should be of 25x24mm made of plastic to accommodate standard accessories, and section for window lap strip should be of 21x4mm made of plastic. Section for Mesh Shutter should be of 35x49mm. Section for Door shutter should be of 35x67mm, Section for Door Euro Groove 25x31mm made of plastic to accommodate standard accessories and size of lap strip should be of 39x41mm. The Window/Door to be panelled with 5mm thick plain float glass. The gaskets are to be made of Ethyl Propylene Diamine Manomer [EPDM]. Corner Brackets for internal and external frame to be made of glass filled nylon. Touch lock to be provided for Window Shutter. Sections are to be cut to length, joined and assembled by means of corner brackets. The above frame to be fixed to Brick/Concrete masonry by using Nylon self-expanding caps and driving MS electroplated 80mm screws into the caps through frames. The Grill for safety for windows to be made of 10mm thick square rod bars with 152mm pitch for complete item of work . For Door there will be no Safety Grill including cost and conveyance of all materials, accessories, labour charges for</p> | 1 Sqm | 7636 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------------|-----------|----------------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | transportation, erection at site complete for finished item of work. | | |
| Q.SECTION | | | STRUCTURAL GLAZING | | |
| | | I.SUB-SECTION | FIXED GLAZING | | |
| 894 | MAT-01496 | BMT-Q.08 | ITEM DELETED | | |
| 895 | MAT-01497 | BMT-Q.09 | ITEM DELETED | | |
| II.SUB- SECTION | | | STRUCTURAL GLAZING | | |
| 896 | MAT-01489 | BMT-Q.01 | <p>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.</p> | 1 Sqm | 7150 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------------|-----------|-----------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 897 | MAT-01490 | 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 | 5645 |
| III SUB- SECTION | | | CURTAIN WALLING | | |
| 898 | MAT-01491 | 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 diameine Monomer (EPDM) gaskets and the sections cut to length, mitre joined with corner bracket, centre mullions fixed using mullion cap including 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 | 1 Sqm | 5849 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------|-----------|-----------|---|-----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 903 | MAT-01492 | 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 | 5849 |
| 904 | MAT-01493 | 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 | 4596 |
| 905 | MAT-01494 | 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 | 4596 |
| 906 | MAT-01495 | BMT-Q.07 | ITEM DELETED | | |
| S.SECTION | | | DISMANTLING clearing away and carefully stacking materials useful for reuse. | | |
| 908 | MAT-01498 | BMT-S.01 | Stone masonry in cement mortar | 1 Cum | 498 |
| 909 | MAT-01499 | BMT-S.02 | Terracing work in roofs or floors | 10 Sqm | 210 |
| 910 | MAT-01500 | BMT-S.03 | Flat stones in roof or floors including lifting | 10 Sqm | 182 |
| 911 | MAT-01501 | BMT-S.04 | Pan tiled or Mangalore tiled roof without roof timbers. | 10 Sqm | 152 |
| 912 | MAT-01502 | BMT-S.05 | Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers | 10 Sqm | 182 |
| 913 | MAT-01503 | BMT-S.06 | Wrought and framed timber in roofs or floors | 1 Cum | 263 |
| 914 | MAT-01504 | BMT-S.07 | Old lime mortar plaster | 10 Sqm | 60 |
| 915 | MAT-01505 | BMT-S.08 | Old cement mortar plaster | 10 Sqm | 75 |
| 916 | MAT-01506 | BMT-S.09 | Dry rough stone revetment for aprons and stacking within 40 M lead | 1 Cum | 90 |
| 917 | MAT-01507 | BMT-S.10 | Revetment for aprons and stacking grouted within 40 lead | 1 Cum | 66 |
| 918 | MAT-01508 | BMT-S.11 | Kadapa slabs or Shahabad stone slabs | 10 | 84 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------|-----------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | flooring on sand bed | Sqm | |
| 919 | MAT-01509 | BMT-S.12 | Through scraping of old plastered surface | 10 Sqm | 55 |
| 920 | MAT-01510 | BMT-S.13 | Washing of plastered surface with soap, soda and water (or with soda lime and water) | 10 Sqm | 18 |
| 921 | MAT-01511 | 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 | 55 |
| 922 | MAT-01512 | BMT-S.15 | Clean removal of cement plaster from walls and raking out joint 200 mm deep | 10 Sqm | 68 |
| T.SECTION | | | READY MIX CONCRETE | | DELETED |
| U.SECTION | | | EXPANSION JOINT FILLERS | | |
| 923 | MAT-01513 | BMT-U.01 | Supply of high performance expansion joint filler board conforming to M.O.S.T - 18 mm THICK | 1 Sqm | 725 |
| 924 | MAT-01514 | BMT-U.02 | Supply of high performance expansion joint filler board conforming to M.O.S.T - 20 mm THICK | 1 Sqm | 824 |
| 925 | MAT-01515 | BMT-U.03 | Supply of high performance expansion joint filler board conforming to M.O.S.T - 25 mm THICK | 1 Sqm | 1018 |
| 926 | MAT-01516 | BMT-U.04 | Supply of expansion joint filler board for buildings, columns, beams and slabs 20 mm THICK | 1 Sqm | 294 |
| 927 | MAT-01517 | BMT-U.05 | Supply of expansion joint filler board for buildings, columns, beams and slabs 25 mm THICK | 1 Sqm | 360 |
| 928 | MAT-01518 | BMT-U.06 | Supply of expansion joint filler board for buildings, columns, beams and slabs 50 mm THICK | 1 Sqm | 725 |
| 929 | MAT-01519 | BMT-U.07 | Supply of back up to cold applied sealant in construction and longitudinal joint - 10 mm OD | 1 RM | 12 |
| 930 | MAT-01520 | BMT-U.08 | Supply of back up to cold applied sealant in construction and longitudinal joint - 12 mm OD | 1 RM | 15 |
| 931 | MAT-01521 | BMT-U.09 | Supply of back up to cold applied sealant in construction and longitudinal joint - 15 mm OD | 1 RM | 16.5 |
| 932 | MAT-01522 | BMT-U.10 | Supply of back up to cold applied sealant in construction and longitudinal joint - 20 mm OD | 1 RM | 23.5 |
| 933 | MAT-01523 | BMT-U.11 | Supply of back up to cold applied sealant in construction and longitudinal | 1 RM | 30 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | joint - 25 mm OD | | |
| V.SECTION | | | LABOUR CHARGES | | |
| 934 | MAT-01524 | 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 | 266 |
| 935 | MAT-01525 | 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 | 315 |
| 936 | MAT-01526 | 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 | 367 |
| 937 | MAT-01527 | 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 | 422 |
| 938 | MAT-01528 | 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 | 657 |
| 939 | MAT-01529 | 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 | 793 |
| 940 | LAB-00418 | BMM-V.07 | Labour charges for making, fabricating office furniture, racks, work-station furniture, cup-board shutters with plywood/ 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 | 666 |
| 941 | LAB-00419 | BMM-V.08 | Labour charges for making, fabricating kitchen furniture, cup-boards with shutters, box cup-boards, box racks, with plywood/ 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 | 1016 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 942 | LAB-00503 | BMM-V.09 | Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same | 1 Rm | 116 |
| 943 | LAB-00504 | BMM-V.10 | Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same. | 1 Rm | 350 |
| 944 | LAB-00505 | BMM-V.11 | Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same. | 1 Rm | 453 |
| 945 | LAB-00506 | BMM-V.12 | Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device. | 1 RM | 19 |
| 946 | LAB-00507 | BMM-V.13 | Flat nosing to Kadapa/ Shahabad stone slabs of any thick | 1 Rm | 55 |
| 947 | LAB-00420 | 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 | 30 |
| 948 | LAB-00421 | BMM-V.15 | Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position | 1 Kg | 6 |
| 949 | LAB-00422 | 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 | 26 |
| 950 | LAB-00423 | 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 | 23 |
| 951 | LAB-00424 | 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 | 144 |
| 952 | LAB-00425 | 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 | 1932 |
| 953 | LAB-00426 | BMM-V.20 | Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works | 1 Sqm | 1051 |
| 954 | LAB-00427 | BMM-V.21 | Labour charges for Glass designing | 1 | 1300 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | works on any thickness of Glass including fixing at site - Reverse Etching work | Sqm | |
| 955 | LAB-00428 | BMM-V.22 | Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works | 1 Sqm | 1625 |
| 956 | LAB-00429 | 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 | 421 |
| 957 | LAB-00430 | 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 | 315 |
| 958 | LAB-00431 | 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 | 1727 |
| 959 | LAB-00432 | 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 | 1632 |
| 960 | LAB-00433 | 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 | 1432 |
| 961 | LAB-00434 | 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 | 1131 |
| 962 | LAB-00435 | 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 | 864 |
| 963 | LAB-00436 | BMM-V.30 | Labour charges for wrought and put up including fixing in position frames of any | 1 sqm | 1106 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows glazed including outer frame and shutter frame | | |
| 964 | LAB-00437 | 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 | 1667 |
| 965 | LAB-00438 | 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 | 1137 |
| 966 | LAB-00439 | 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 outerframe and shutter frame | 1 sqm | 1361 |
| 967 | LAB-00440 | 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 | 916 |
| 968 | LAB-00441 | 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 | 1158 |
| 969 | LAB-00442 | 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 | 651 |
| 970 | LAB-00443 | 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 | 1 sqm | 758 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | fixtures etc. for Teak wood G.I or .AC sheet door & windows including outer frame and shutter frame | | |
| 971 | LAB-00444 | 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 | 1701 |
| 972 | LAB-00445 | 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 | 1597 |
| 973 | LAB-00446 | 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 | 1527 |
| 974 | LAB-00447 | 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 | 1324 |
| 975 | LAB-00448 | 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 | 1036 |
| 976 | LAB-00449 | 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 | 829 |
| 977 | LAB-00450 | 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 | 1034 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|------------------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 978 | LAB-00451 | 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 | 1541 |
| 979 | LAB-00452 | 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 | 1053 |
| 980 | LAB-00453 | 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 | 1257 |
| 981 | LAB-00454 | 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 | 891 |
| 982 | LAB-00455 | 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 | 1113 |
| 983 | LAB-00456 | 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 | 746 |
| 984 | LAB-00508 | BMM-V.51 | Grooves 2-3 mm | 1 Rm | 64 |
| W.SECTION | | | MISCELLANEOUS ITEMS | | |
| 986 | MAT-01575 | BMS-W.01 | Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including annodization cost) | 1 Kg | 337 |
| 987 | MAT-01576 | BMS-W.02 | Sun Control film to the glazed windows partition including labour charges. | 1 sqm | 344 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 987 | MAT-01577 | BMS-W.03 | Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories. | 1 sqm | 878 |
| 988 | MAT-01578 | BMS-W.04 | Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories. | 1 sqm | 836 |
| 989 | MAT-01579 | BMS-W.05 | Venetian blinds Vertical blinds 100 mm wide with all accessories. | 1 sqm | 1419 |
| 990 | MAT-01580 | BMS-W.06 | Rubber Beading | 1 RM | 2 |
| 991 | MAT-01581 | BMS-W.09 | Chlorpyriphos/ Lindane emulsifiable concentrate of 20% | 1 Litre | 239 |
| 992 | MAT-01582 | BMS-W.10 | Soft Brush | Each | 155 |
| 993 | MAT-01583 | BMS-W.11 | Wire Brush | Each | 34 |
| 994 | MAT-01584 | 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 | 2408 |
| 995 | MAT-01585 | 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 | 2626 |
| 996 | MAT-01586 | 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, | 1 Sqm | 2946 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 997 | MAT-01587 | BMS-W.15 | CEMENT JALI - 25 mm thick | 1 sqm | 218 |
| 998 | MAT-01588 | BMS-W.16 | CEMENT JALI - 40 mm thick | 1 sqm | 283 |
| 999 | MAT-01589 | BMS-W.17 | CEMENT JALI - 50 mm thick | 1 sqm | 388 |
| 1000 | MAT-01590 | BMS-W.18 | Aluminium sheet 24 Gauge | 1 Sqm | 282 |
| 1001 | MAT-01591 | BMS-W.19 | 7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm. | 1 Sqm | 1035 |
| 1002 | MAT-01592 | BMS-W.20 | Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1" (25.4 mm) thick | 1 Sqm | 923 |
| 1003 | MAT-01593 | BMS-W.21 | Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1/2" (12.7 mm) thick | 1 Sqm | 529 |
| 1004 | | | 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. | | |
| 1005 | MAT-01594 | BMS-W.22 | Circular sign plate Dia 400mm. | Each. | 537 |
| 1006 | MAT-01595 | BMS-W.23 | Circular sign plate Dia 600mm. | Each. | 1412 |
| 1007 | MAT-01596 | BMS-W.24 | Circular sing plate Dia 870mm | Each. | 2831 |
| 1008 | MAT-01597 | BMS-W.25 | Triangular sign plate 600mm. | Each. | 725 |
| 1009 | MAT-01598 | BMS-W.26 | Triangular sign plate 900mm. | Each. | 1638 |
| 1010 | MAT-01599 | BMS-W.27 | Square sign plate 600mm. | Each. | 1313 |
| 1011 | MAT-01600 | BMS-W.28 | Square sign plate 1000mm. | Each. | 4876 |
| 1012 | MAT-01601 | BMS-W.29 | ITEM DELETED | | |
| | | | 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, | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| 1013 | MAT-01602 | BMS-W.30 | Steel Structure: - Structure is made up of 50x50X 2.8 mm/33x66x2.8mm thick hollow M.S. sections for Trusses, columns, and purlins. - Columns | 1 RM | 399 |
| 1014 | MAT-01603 | 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 | 1443 |
| 1015 | MAT-01604 | 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 | 155 |
| 1016 | MAT-01605 | 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 | 224 |
| 1017 | MAT-01606 | 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 | 256 |
| 1018 | MAT-01607 | 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 | 4632 |
| 1019 | MAT-01608 | 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 | 4222 |
| 1020 | MAT-01609 | BMS-W.39 | Ventilators:- Ventilators are made of | 1 | 4723 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 51x51 mm step 'U' section made From 1.25 mm thick C.R. sheet with fixed louvers and glass. | Sqm | |
| 1021 | MAT-01610 | BMS-W.40 | Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint. | 1 Sqm | 125 |
| 1022 | MAT-01611 | BMS-W.41 | 2) Exterior walls are painted with one coast of primer and 2 coats of exterior emulsion paint . | 1 Sqm | 112 |
| 1023 | MAT-01612 | BMS-W.42 | 3) Interiors are painted with 1+2 coat of O.B.D. | 1 Sqm | 94 |
| 1024 | MAT-01613 | 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 | 1098 |
| 1025 | MAT-01614 | 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 | 3700 |
| 1026 | MAT-01615 | 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 | 836 |
| 1027 | MAT-01617 | BMS-W.47 | Preparing gabions with jungle wood | Each | 3 |
| 1028 | MAT-01618 | BMS-W.48 | Planting plants | Each | 2 |
| 1029 | MAT-01619 | BMS-W.49 | Pruning plants | Each | 3 |
| 1030 | MAT-01620 | BMS-W.50 | Maintaining avenues including fencing, weeding, mulching, watering etc per plant. | Each | 8 |
| 1031 | MAT-01621 | BMS-W.51 | - do - When scattered in hot weather with extra conveyance from March to June | Each | 9 |
| 1032 | MAT-01622 | BMS-W.52 | Hoisting or lowering of slab | 1 cum | 130 |
| 1033 | MAT-01623 | BMS-W.53 | Dressing faces of granite stone (double line dressing) | 1 Sqm | 213 |
| 1034 | MAT-01624 | BMS-W.54 | Dressing faces of other than granite | 1 | 133 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | stone(double line dressing) | Sqm | |
| 1035 | MAT-01625 | 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 | 407 |
| 1036 | MAT-01626 | 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 | 382 |
| 1037 | MAT-01627 | 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 | 311 |
| 1038 | MAT-01628 | 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 | 311 |
| 1039 | MAT-01629 | 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 | 278 |
| 1040 | MAT-01630 | 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 | 253 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1041 | MAT-01631 | BMS-W.61 | 75 mm long screws - | 1 Each | 4 |
| 1042 | MAT-01632 | BMS-W.62 | G.I scam bolts & nuts | 1 Each | 6 |
| 1043 | MAT-01633 | BMS-W.63 | G.I bolts & nuts | 1 Each | 6 |
| 1044 | MAT-01634 | BMS-W.64 | G.I 'J' bolts 8 mm dia | 1 Each | 11 |
| 1045 | MAT-01635 | BMS-W.65 | G.I Washers | 1 Each | 2 |
| 1046 | MAT-01636 | BMS-W.66 | Limpet washers (for scam & 'J' bolts) | 1 Each | 2 |
| 1047 | MAT-01637 | BMS-W.67 | Bitumen washers | 1 Each | 2 |
| 1048 | MAT-01638 | BMS-W.68 | White Cement | 1 Kg | 31 |
| 1049 | MAT-01639 | BMS-W.69 | MS Z Hold fasts - 300 mm long of 40 x40 x 5 mm ISA | 1 Each | 39 |
| 1050 | MAT-01640 | BMS-W.70 | Rubber/ Nylon door stop bushes | 1 Each | 11 |
| 1051 | MAT-01641 | BMS-W.71 | Nylon rollers for sliding glasses/ alluminium windows | 1 Each | 17 |
| 1052 | MAT-01642 | BMS-W.72 | Powder coating or colour annodization-any section | 1 RM | 54 |
| 1053 | MAT-01643 | BMS-W.73 | Continuous Piano Hinges Powder coated Mild steel as per IS-3818 : 1992of nominal size 25 mm (B) of thickness 0.8 to 1.0 mm | 1 RM | 39 |
| 1054 | MAT-01644 | BMS-W.74 | Box hinges for cup boards | 1 Each | 48 |
| 1055 | MAT-01645 | BMS-W.75 | Magnetic Catchers | 1 Each | 17 |
| 1056 | MAT-01646 | BMS-W.76 | Drilling holes in hard rock surfaces up to 18mm dia | 1 RM | 220 |
| 1057 | MAT-01647 | BMS-W.77 | Drilling holes in hard rock above 18mmdia | 1 RM | 306 |
| 1058 | MAT-01648 | BMS-W.78 | Making holes up to 18mm dia in RCC/any stones up to 50 mm thick | 1 Each | 37 |
| 1059 | MAT-01649 | BMS-W.79 | Making holes above 18mm dia in RCC/any stones above 50 mm thick | 1 Each | 52 |
| 1060 | MAT-01650 | BMS-W.80 | Pressure grouting the drilled holes with neat cement slurry or with approved epoxy bonding agent using pump | 1 Each | 53 |
| 1061 | MAT-01651 | BMS-W.81 | ITEM DELETED | | |
| 1062 | MAT-01652 | BMS-W.82 | ITEM DELETED | | |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | CASURINA BALLIES / STEEL BARRICADING | | |
| 1063 | LAB-00552 | BMS-W.83 | Fixing steel barricading with MS Angle Iron Pegs and GI Pipes with nuts & bolts duly excavating pits and its removal after the function is over including transporting of the entire barricading materials from the Divisional stores to the barricading site duly engaging labour to load, transport and unload the materials at barricading site & as per the schedule given by the departmental authorities and loading back into the trucks, unloading at Divisional stores, accounting for the received materials, labour for loading, unloading, fixing, handling etc, complete for finished item of work | | |
| | | | 2-TIER (3 days) | 1 RM | 42 |
| | | BMS-W.84 | Providing barricading arrangement with casurina ballies as per the design duly excavating pits and its removal after the function is over including hire charges of the barricading materials as per the schedule given by the departmental authorities complete for finished item of work | | |
| 1064 | LAB-00553 | BMS-W.84.A | 2-TIER (2 days) | 1 RM | 52 |
| 1065 | LAB-00554 | BMS-W.84.B | 2-TIER (3 days) | 1 RM | 53 |
| 1066 | LAB-00555 | BMS-W.84.C | 2-TIER (4 days) | 1 RM | 53 |
| 1067 | LAB-00556 | BMS-W.84.D | 3-TIER (2 days) | 1 RM | 55 |
| 1068 | LAB-00557 | BMS-W.84.E | 3-TIER (3 days) | 1 RM | 55 |
| 1069 | LAB-00558 | BMS-W.84.F | 3-TIER (4 days) | 1 RM | 56 |
| | | | Testing charges | | |
| | | BMS-W.85 | Coarse Aggregates | | |
| 1070 | LAB-00559 | BMS-W.85.A | Gradation Test | 1 No. | 627 |
| 1071 | LAB-00560 | BMS-W.85.B. | Aggregate Impact Value Test | 1 No. | 627 |
| 1072 | LAB-00561 | BMS-W.85.C | Flakiness and Elongation Indices Tests | 1 No. | 730 |
| 1073 | LAB-00562 | BMS-W.85.D | Water absorption Test | 1 No. | 575 |
| 1074 | LAB-00563 | BMS-W.85.E | Abrasion Test | 1 No. | 890 |
| 1075 | LAB-00564 | BMS-W.85.F | Specific Gravity Test | 1 No. | 627 |
| | | BMS-W.86 | Fine Aggregates | | |
| 1076 | LAB-00565 | BMS-W.86.A | Sieve Analysis Test | 1 No. | 627 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------------------|-----------|---|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1077 | LAB-00566 | BMS-W.86.B | Bulking & Moisture content | 1 No. | 627 |
| 1078 | LAB-00567 | BMS-W.86.C | Specific Gravity Test | 1 No. | 627 |
| | | BMS-W.87 | Cement | | |
| 1079 | LAB-00568 | BMS-W.87.A | Fineness of cement Test | Each | 627 |
| 1080 | LAB-00569 | BMS-W.87.B | Initial & Final setting time of cement | Each | 627 |
| | | BMS-W.88 | Bricks | | |
| 1081 | LAB-00570 | BMS-W.88.A | Compressive strength of Bricks | Each | 365 |
| 1082 | LAB-00571 | BMS-W.88.B | Water absorption Test for Brick | Each | 575 |
| | | BMS-W.89 | Concrete | | |
| 1083 | LAB-00572 | BMS-W.89.A. | Compressive strength of concrete i.e Cube strength test | Each | 365 |
| 1084 | LAB-00573 | BMS-W.89.B | Design mix of one grade | | 16720 |
| 1085 | LAB-00574 | BMS-W.89.C | Design mix of Two grades | | 27170 |
| 1086 | LAB-00575 | BMS-W.89.D | Design mix of three grades | | 37620 |
| 1087 | LAB-00576 | BMS-W.89.E | Design mix of four grades | | 44935 |
| 1088 | LAB-00577 | BMS-W.89.F | Design mix of five grades | | 53295 |
| | | | Steel | | |
| 1089 | LAB-00578 | BMS-W.90 | Tensile Strength of Each Dia 1 set (3 rods) | Each | 730 |
| | | BMS-W.91 | Soils | | |
| 1090 | LAB-00579 | BMS-W.91.A | G.S.B Mix design | Each | 5225 |
| 1091 | LAB-00580 | BMS-W.91.B | W.M.M Mix design | Each | 6375 |
| 1092 | LAB-00581 | BMS-W.91.C | B.M Mix design | Each | 7840 |
| 1093 | LAB-00582 | BMS-W.91.D | SDBC/BC | Each | 8465 |
| 1094 | LAB-00583 | BMS-W.91.E | UD samples | Each | 1880 |
| 1095 | LAB-00584 | BMS-W.91.F | Soils MDD and CBR | Each | 3865 |
| | | Note: Item BMS-W.46 is removed in the section W and is brought as new item in the Section N as BMT-N.82. | | | |
| X. SECTION | | | MACHINERY CHARGES, HIRE CHARGES FOR CENTRING | | |
| 1096 | MAT-01653 | BMC-X.01 | Machine charges of rubbing/ polishing floor | 1 day | 2185 |
| 1097 | HIR-00206 | BMC-X.02 | Power Saw Cutter - Hand Operated - Hire charges | 1 Hr | 132 |
| 1098 | HIR-00207 | BMC-X.03 | Power Drill - Hand Operated - Hire Charges | 1 Hr | 121 |
| 1099 | MAT-01656 | BMC-X.04 | Grinding Mortar (Spl Grinding) | 1 day | 1121 |
| 1100 | MAT-01657 | BMC-X.05 | Casuarina Balli Props - 3" to 4" dia - 12'-0" Height | Each | 78 |
| 1101 | MAT-01658 | BMC-X.06 | Casuarina Balli Props - 4" to 8" dia - 20'- | Each | 125 |

| S. No | CFMS code | Item Code | Description of item | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|-------|-----------|-----------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 0" Height | | |
| 1102 | MAT-01659 | BMC-X.07 | Wall Plate Brackets / beam bottom supports | Each | 225 |
| 1103 | MAT-01660 | BMC-X.08 | Wedge Plate fixture | Each | 12 |
| 1104 | MAT-01661 | BMC-X.09 | Runner beams of approximately 4" x 4" size | RM | 443 |
| 1105 | MAT-01662 | BMC-X.10 | Steel Plates for form works | 1 Sqm | 1645 |
| 1106 | MAT-01663 | BMC-X.11 | Scaffolding Pipes & Centering accessories | 1 Kg | 128 |
| 1107 | MAT-01664 | BMC-X.12 | Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long | Each | 139 |
| 1108 | MAT-01665 | BMC-X.13 | Hire charges for stationary Concrete pump conforming to IS 21573 Part-1: 2006 to deliver the fresh green concrete | 1 Hr | 360 |
| 1109 | MAT-01666 | 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 | 4.8 |
| | | BMC-X.15 | <p>Providing rigid steel cup lock scaffolding system using steel pipes, adjustable Jack screw props, RHS spans, couplers, bracings and horizontal connecting members, supporting brackets, RHS span beams as per the approved scaffolding designs & plan and other accessories as per the IS Norms and stability calculations including hire charges for cup lock scaffolding pipes, RHS spans, runners, wooden members and cost and conveyance of all other consumable accessories, taxes etc complete for finished item of work</p> <p>Note: - Centering & scaffolding charges for steel scaffolding with pipes, jack props, centering 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</p> <p>For SHEAR WALLS, RCC WALLS, WATER TANK WALLS</p> | | |
| | | | Centering charges for Deck Sheets - 9 Ply - 19 mm thick Plywood conforming to IS:303 BWR Grade ; Unsupported Height up to 3.66 M - | | 1480.00 |

| | | | | | |
|------------------|--|----------|--|------|---------|
| | | | MS Cup lock System + Marine Grade Plywood shuttering | | |
| | | | Centering charges with MS Steel Plate - form work : Unsupported Height up to 3.66 M - MS Cup lock System + MS Plate shuttering | | 1494.00 |
| | | | Centering with Aluminum anodized sheets and sections conforming to IS: 11857 – 1986 : Unsupported Height up to 3.66 M - MS Cup lock System + Aluminum Plate shuttering | | 1790.00 |
| Y SECTION | | | POST TENSIONING WORKS | | |
| 1110 | | BMC-Y.01 | Supply of Freyssinet type wedge action anchorage cone block, couplers, anchor heads and wedges of cast iron make shot blasting finish complete assembly of size 400 x 300 mm as per IS 1343 : 2012 | 1 No | 2090 |
| 1111 | | BMC-Y.02 | Supply of GI corrugated sheathing duct of 0.3mm thick of 90 mm size for installing the tendons for bonded post tensioning work as per IS 1343 : 2012 | 1 RM | 55 |
| 1112 | | BMC-Y.03 | Supply of HDPE grout hose with flanges for bonded post tensioning work as per IS 1343 : 2012 | 1 RM | 50 |
| 1113 | | BMC-Y.04 | Design and execution of post tensioning work, including supplying, laying of HT tendon strands, decoiling, the strands, cutting to the required lengths, laying of HT strands in sheathing (GI corrugated ducts 0.3mm thick) jointing with couplers and inserting the strands, profiling, fixing live end anchorages, making dead end anchorages, including flowering the strands, fixing tendon support bars, supervising the fixing of antibursting reinforcement, stressing the cables using hydraulic jack, end trimming, grouting the cables, with cement slurry, mixed with admixtures | 1 MT | 209000 |
| | | | with required tools, plants, and machineries, and consumables etc., including all leads, lifts, coordination, with the post- tensioning agency, preparation of drawings, obtaining approval from the Engineer-in-Charge with supply of approved grade tendons but excluding the cost of concrete, reinforcement steel, shuttering, anchors, sheathing duct etc., | | |
| | | | | | |

| Z SECTION | | | EXPANSION JOINTS | | |
|-----------|--|----------|--|----|------|
| | | | <p>Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor / floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to its components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self – centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer - in- Charge (Material shall confirm to ASTM 6063)</p> | | |
| | | BMT-Z.01 | Expansion Joint - Floor joint 200mm wide | RM | 7541 |
| | | BMT-Z.02 | Expansion joint- Floor joint 250mm wide | RM | 9050 |
| | | | <p>Providing and fixing of expansion joint system related with wall joint (internal/ external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multi</p> | | |

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| | | | cellular to facilitate movement. (Material shall confirm to ASTM 6063) | | |
| | | BMT-Z.03 | Expansion joint- wall joint 200mm wide | RM | 3607 |
| | | BMT-Z.04 | Expansion joint- wall joint 250mm wide | RM | 5056 |
| | | | <p>Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall confirm to ASTM 6063.</p> | | |
| | | BMT-Z.05 | Expansion joint- Roof joint 200mm wide | RM | 5597 |
| | | BMT-Z.06 | Expansion joint- Roof joint 250mm wide | RM | 7045 |
| AA SECTION | | | ENERGY EFFICIENT ITEMS | | |
| SUB-SECTION -IX | | | External wall insulation with Polyurethane foam (PUF) slab | | |
| | | BMT-ZA.01 | <p>Providing and fixing polyurethane foam (PUF) slab 40mm thick average with PU slab density 36+/-2 kg/m³ for external wall insulation including necessary polymerized plaster reinforced with glass fibre mesh, epoxy based bonding adhesive etc.,</p> | 1sqm | 1225 |

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|-------------------------|--|-----------|---|------|------|
| | | | complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | | |
| SUB-SECTION -X | | | External wall insulation with Polyurethane foam (PUF) spray | | |
| | | BMT-ZA.02 | Providing and fixing cast in situ polyurethane foam (PUF) spray of 40mm / 50mm thick with PU foam spray density 35+/-5 kg/m ³ for external wall insulation including necessary adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM of machinery etc., complete | 1sqm | 1257 |
| SUB-SECTION -XI | | | External wall insulation with Extruded Polystyrene (XPS) thermal insulation board | | |
| | | BMT-ZA.03 | Providing and fixing Extruded Polystyrene (XPS) thermal insulating boards of 25mm thick for external wall insulation including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM of machinery etc., complete | 1sqm | 490 |
| | | BMT-ZA.04 | Providing and fixing Extruded Polystyrene (XPS) thermal insulating boards of 50mm thick for external wall insulation including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM of machinery etc., complete | 1sqm | 779 |
| | | BMT-ZA.05 | Providing and fixing Extruded Polystyrene (XPS) thermal insulating boards of 75mm thick for external wall insulation including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM of machinery etc., complete | 1sqm | 1105 |
| | | BMT-ZA.06 | Providing and fixing Extruded Polystyrene (XPS) thermal insulating boards of 100mm thick for external wall insulation including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM of machinery etc., complete | 1sqm | 1431 |
| SUB-SECTION -XII | | | Cavity wall insulation with Glass Wool Slab | | |
| | | BMT-ZA.07 | Providing and fixing polyurethane foam (PUF) spray with PU foam spray of 40mm thick having density 35+/-5 kg/cum density for insulation of cavity wall with including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 614 |
| | | BMT-ZA.08 | Providing and fixing polyurethane foam (PUF) spray with PU foam spray of | 1sqm | 901 |

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|--------------------------|--|-----------|--|------|-----|
| | | | 50mm thick having density 35+/-5 kg/cum density for insulation of cavity wall with including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | | |
| SUB-SECTION -XIII | | | Cavity wall with Glass Wool Slab | | |
| | | BMT-ZA.09 | Providing and fixing glass wool slab of 12mm thick - resin bonded with density 48kg/ cum for insulation of cavity wall, fixed using GI wire 200 SWG, GI chicken mesh 12.50mm x 24 SWG including necessary criss-cross GI wire mesh,raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 508 |
| | | | Providing and fixing glass wool slab of 25mm thick - resin bonded with density 48kg/ cum for insulation of cavity wall, fixed using GI wire 200 SWG, GI chicken mesh 12.50mm x 24 SWG including necessary criss-cross GI wire mesh,raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 644 |
| | | | Providing and fixing glass wool slab of 50mm thick - resin bonded with density 48kg/ cum for insulation of cavity wall, fixed using GI wire 200 SWG, GI chicken mesh 12.50mm x 24 SWG including necessary criss-cross GI wire mesh,raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 761 |
| SUB-SECTION -XIII | | | Cavity wall with Rock Wool Slab | | |
| | | BMT-ZA.10 | Providing and fixing rock wool slab - resin bonded rock wool slab of 25mm thick having density 36+/-5 kg/cum for insulation of cavity wall with including necessary criss-cross GI wire, mesh,raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 424 |
| | | | Providing and fixing rock wool slab - resin bonded rock wool slab of 40mm thick having density 36+/-5 kg/cum for insulation of cavity wall with including necessary criss-cross GI wire, mesh,raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 454 |
| | | | Providing and fixing rock wool slab - resin bonded rock wool slab of 50mm thick having density 36+/-5 kg/cum for insulation of cavity wall with including necessary | 1sqm | 473 |

| | | | | | |
|-------------------------|--|-----------|---|------|------|
| | | | criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | | |
| | | | Providing and fixing rock wool slab - resin bonded rock wool slab of 65mm thick having density 36+/-5 kg/cum for insulation of cavity wall with including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 506 |
| | | | Providing and fixing rock wool slab - resin bonded rock wool slab of 75mm thick having density 36+/-5 kg/cum for insulation of cavity wall with including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 526 |
| | | | Providing and fixing rock wool slab - resin bonded rock wool slab of 100mm thick having density 36+/-5 kg/cum for insulation of cavity wall with including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 751 |
| SUB-SECTION -XIV | | | Cavity wall insulation with Extruded Polystyrene (XPS) | | |
| | | BMT-ZA.11 | Providing and fixing extruded polystyrene (XPS) 50mm thick thermal insulating boards having density 36+/-5 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 994 |
| | | | Providing and fixing extruded polystyrene (XPS) 60 mm thick thermal insulating boards having density 36+/-5 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 1014 |
| | | | Providing and fixing extruded polystyrene (XPS) 70mm thick thermal insulating boards having density 36+/-5 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM etc., complete | 1sqm | 1323 |

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|---------------------------|--|-----------|--|------|------|
| | | BMT-ZA.12 | Providing and fixing extruded polystyrene (XPS) 25mm thick thermal insulating boards having density 32 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM complete. | 1sqm | 683 |
| | | | Providing and fixing extruded polystyrene (XPS) 50mm thick thermal insulating boards having density 32 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM complete. | 1sqm | 994 |
| | | | Providing and fixing extruded polystyrene (XPS) 75mm thick thermal insulating boards having density 32 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM complete. | 1sqm | 1346 |
| | | | Providing and fixing extruded polystyrene (XPS) 100mm thick thermal insulating boards having density 32 kg/cum for insulation of cavity wall including necessary criss-cross GI wire, mesh, raw plugs, adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM complete. | 1sqm | 1697 |
| SUB-SECTION -XVII | | | Over deck insulation with polyurethane foam (PUF) slab | | |
| | | BMT-ZA.13 | 40 mm thick with PU slab density 36+/-2 kg/m ³ insulation for over | 1sqm | 348 |
| | | BMT-ZA.14 | 50 mm thick with PU slab density 36+/-2 kg/m ³ insulation for over | 1sqm | 576 |
| | | BMT-ZA.15 | 60 mm thick with PU slab density 36+/-2 kg/m ³ insulation for over | 1sqm | 820 |
| | | BMT-ZA.16 | 70 mm thick with PU slab density 36+/-2 kg/m ³ insulation for over | 1sqm | 1059 |
| SUB-SECTION -XVIII | | | Over deck insulation with polyurethane foam (PUF) spray | | |
| | | BMT-ZA.17 | 40mm thick with PU foam spray | 1sqm | 597 |
| | | BMT-ZA.19 | 60mm thick with PU foam spray | 1sqm | 1299 |
| | | BMT-ZA.20 | 70mm thick with PU foam spray | 1sqm | 1624 |
| SUB-SECTION -XIX | | | Over deck thermal insulation of roof with expanded Polystyrene (EPS) | | |
| | | BMT-ZA.21 | Expanded polystyrene (EPS) 50mm thick | 1sqm | 564 |

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|-------------------------|--|-----------|--|------|-------|
| | | BMT-ZA.22 | Expanded polystyrene (EPS) 70mm thick | 1sqm | 664 |
| | | BMT-ZA.23 | Expanded polystyrene (EPS) 90mm thick | 1sqm | 734 |
| | | BMT-ZA.24 | Expanded polystyrene (EPS) 110mm thick | 1sqm | 834 |
| | | BMT-ZA.25 | Expanded polystyrene (EPS) 120mm thick | 1sqm | 886 |
| SUB-SECTION -XX | | | Over deck with glass wool slab | | |
| | | BMT-ZA.26 | Resin bonded glass wool slab 12 mm thick having density 48kgs/ m ³ | 1sqm | 936 |
| | | BMT-ZA.27 | Resin bonded glass wool slab 25 mm thick having density 48kgs/ m ³ | 1sqm | 1072 |
| | | BMT-ZA.28 | Resin bonded glass wool slab 50 mm thick having density 48kgs/ m ³ | 1sqm | 1190 |
| SUB-SECTION -XXI | | | Over deck insulation with rock wool slab | | |
| | | BMT-ZA.28 | 25mm resin bonded rock wool slab having density 48kgs/ m ³ | 1sqm | 605 |
| | | BMT-ZA.29 | 40mm resin bonded rock wool slab having density 48kgs/ m ³ | 1sqm | 634 |
| | | BMT-ZA.30 | 50mm resin bonded rock wool slab having density 48kgs/ m ³ | 1sqm | 651 |
| | | BMT-ZA.31 | 65mm resin bonded rock wool slab having density 48kgs/ m ³ | 1sqm | 679 |
| | | BMT-ZA.32 | 75mm resin bonded rock wool slab having density 48kgs/ m ³ | 1sqm | 702 |
| | | BMT-ZA.33 | 100mm resin bonded rock wool slab having density 48kgs/ m ³ | 1sqm | 756 |
| SECTION AB | | | PEB STRUCTURES | | |
| | | BMT-ZB.01 | Pre Engineered Building (PEB): Secondary members which includes Purlins, Girts, Edge Angle, etc. Members formed from Galvanized Coils of 275 GSM and will conform to the physical specifications of ASTM A572/ A572M (Grade 50) or equivalent and shall have a minimum yield strength of 345 MPA | 1MT | 78000 |
| | | BMT-ZB.02 | Galvanized Roofing Deck sheets with 1mm thickness, Coating: Zinc coating Z125 / Z275/ Z 500 GSM. Yield Strength: E250. crest to crest width 130 mm length 12 meters : profile width 982mm and profile depth 44mm CR steel as per IS-513 HR steel as per IS 1079 and Galvanized Steel as per IS 277 | 1KG | 128 |

| | | | | | |
|--|--|-----------|---|------|-----|
| | | BMT-ZB.03 | Labor charges for fixing Galvanized Roofing Deck sheets to structural beams and columns for laying RCC slab | 1KG | 5 |
| | | BMT-ZB.04 | High Strength friction grip bolts of 8.8 Grade with electroplated & yellow passivation for PEB structure. | 1KG | 112 |
| | | BMT-ZB.05 | Cost of Electroplating | 1KG | 19 |
| | | BMT-ZB.06 | Cutting Cores in 125 mm thick RCC Slabs 75 mm dia. | Each | 225 |
| | | BMT-ZB.07 | Cutting Cores in 125 mm thick RCC Slabs 100 mm dia | Each | 275 |
| | | BMT-ZB.08 | Cutting Cores in 125 mm thick RCC Slabs 150 mm dia. | Each | 350 |
| | | BMT-ZB.09 | Labor charges for cutting & fixing Thermocol & Cement Bonded Board for Wrapping around PEB columns | 1sqm | 100 |
| | | | | | |
| | | | | | |

- 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 excluding GST.
- 3 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 | Labou charges | Centring Charges for 2019-20 | Unit of Measurement |
|---|--|-----------------------|---------------|------------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| HIRE CHARGES FOR CENTERING AND SCAFFOLDING | | | | | |
| A | FOOTINGS | Rs. 301 | Rs. 672 | Rs. 973 | per 1 cum |
| B | BED BLOCKS, BANDS | Rs. 67 | Rs. 363 | Rs. 430 | per 1 cum |
| C | PEDESTALS | Rs. 343 | Rs. 1069 | Rs. 1412 | per 1 cum |
| D | PLINTH BEAMS | Rs. 1453 | Rs. 1620 | Rs. 3073 | 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. 1233 | Rs. 1720 | Rs. 2953 | per 1 cum |
| F | CHAJJAS - SUNSHADES | Rs. 243 | Rs. 264 | Rs. 507 | per 1 sqm |
| G | COLUMNS | Rs. 371 | Rs. 2415 | Rs. 2786 | per 1 cum |
| H | BEAMS | Rs. 2179 | Rs. 2027 | Rs. 4206 | per 1 cum |
| I | SLABS - Up to 150 mm thick | Rs. 247 | Rs. 241 | Rs. 488 | per 1 sqm |
| J | SLABS - above 150 mm - Up to 300 mmthick | Rs. 254 | Rs. 248 | Rs. 502 | per 1 sqm |
| K | SLABS - above 300 mm thick | Rs. 265 | Rs. 260 | Rs. 525 | per 1 sqm |
| L | WAFFLE - (GRID) SLABS (Rib Beams with Slabs) | Rs. 897 | Rs. 834 | Rs. 1731 | per 1 sqm |
| M | PERGOLA SLABS (Only Rib Beams) | Rs. 629 | Rs. 585 | Rs. 1214 | per 1 sqm |
| N | ARCH BEAMS - up to 1.5 M Span | Rs. 2477 | Rs. 2304 | Rs. 4781 | per 1 cum |
| O | ARCH BEAMS - above 1.5 M Span | Rs. 2512 | Rs. 2336 | Rs. 4848 | per 1 cum |
| P | DOME SLABS | Rs. 4005 | Rs. 3723 | Rs. 7728 | per 1 cum |
| Q | HELICAL STAIRCASES | Rs. 305 | Rs. 284 | Rs. 589 | per 1 sqm |
| Q | SHEAR WALLS, RCC WALLS, WATER TANK WALLS | Rs. 472 | Rs. 510 | Rs. 982 | per 1 sqm |

| | | | | | |
|--|--|----------|----------|----------|-----------|
| 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. 826 | Rs. 1332 | Rs. 2158 | per 1 cum |
| F | CHAJJAS - SUNSHADES | Rs. 163 | Rs. 204 | Rs. 367 | per 1 sqm |
| G | COLUMNS | Rs. 249 | Rs. 1871 | Rs. 2120 | per 1 cum |
| H | BEAMS | Rs. 1458 | Rs. 1569 | Rs. 3027 | per 1 cum |
| I | SLABS - Up to 150 mm thick | Rs. 165 | Rs. 186 | Rs. 351 | per 1 sqm |
| J | SLABS - above 150 mm - Up to 300 mmthick | Rs. 170 | Rs. 193 | Rs. 363 | per 1 sqm |
| K | SLABS - above 300 mm thick | Rs. 178 | Rs. 201 | Rs. 379 | per 1 sqm |
| L | WAFFLE - (GRID) SLABS (Rib Beams with Slabs) | Rs. 601 | Rs. 646 | Rs. 1247 | per 1 sqm |
| M | PERGOLA SLABS (Only Rib Beams) | Rs. 421 | Rs. 453 | Rs. 874 | per 1 sqm |
| N | ARCH BEAMS - up to 1.5 M Span | Rs. 1657 | Rs. 1784 | Rs. 3441 | per 1 cum |
| O | ARCH BEAMS - above 1.5 M Span | Rs. 1681 | Rs. 1808 | Rs. 3489 | per 1 cum |
| P | DOME SLABS | Rs. 2681 | Rs. 2884 | Rs. 5565 | per 1 cum |
| Q | HELICAL STAIRCASES | Rs. 205 | Rs. 220 | Rs. 425 | per 1 sqm |

| SI | NAME OF THE STRUCTURAL MEMBER | Material Hire charges | Labou r charge s | Centring Charges for 2018-19 | 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. 10.78 | Rs. 84.62 | Rs. 95.40 | per 1 sqm |
| B | 2nd - Floor | Rs. 10.78 | Rs. 121.18 | Rs. 131.96 | per 1 sqm |
| C | 3rd - Floor | Rs. 10.78 | Rs. 157.72 | Rs. 168.50 | per 1 sqm |
| D | 4th - Floor | Rs. 10.78 | Rs. 194.27 | Rs. 205.05 | per 1 sqm |
| E | 5th - Floor | Rs. 10.78 | Rs. 230.81 | Rs. 241.59 | per 1 sqm |
| F | 6th - Floor | Rs. 10.78 | Rs. 267.35 | Rs. 278.13 | per 1 sqm |
| G | 7th - Floor | Rs. 10.78 | Rs. 303.88 | Rs. 314.66 | per 1 sqm |
| H | 8th - Floor | Rs. 10.78 | Rs. 340.43 | Rs. 351.21 | per 1 sqm |
| I | 9th - Floor | Rs. 10.78 | Rs. 376.98 | Rs. 387.76 | per 1 sqm |
| J | 10th - Floor | Rs. 10.78 | Rs. 413.51 | Rs. 424.29 | per 1 sqm |
| K | 11th - Floor | Rs. 10.78 | Rs. 450.06 | Rs. 460.84 | per 1 sqm |
| L | 12th - Floor | Rs. 10.78 | Rs. 486.61 | Rs. 497.39 | per 1 sqm |

| | | | | | | | | |
|---|--------------|-----|--------------|-----|---------------|-----|--------|-----------|
| M | 13th - Floor | Rs. | 10.78 | Rs. | 523.15 | Rs. | 533.93 | per 1 sqm |
| N | 14th - Floor | Rs. | 10.78 | Rs. | 559.68 | Rs. | 570.46 | per 1 sqm |
| O | 15th - Floor | Rs. | 10.78 | Rs. | 596.23 | Rs. | 607.01 | per 1 sqm |

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

| SI | NAME OF THE STRUCTURAL MEMBER | Material Hire charges | Labour charges | Centring Charges for 2018-19 | Unit of Measurement |
|----|-------------------------------|-----------------------|----------------|------------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |

| | | | | | | | | |
|---|--------------|-----|-------------|-----|--------------|-----|--------------|-----------|
| A | 1st - Floor | Rs. | 1.08 | Rs. | 8.47 | Rs. | 9.55 | per 1 sqm |
| B | 2nd - Floor | Rs. | 1.08 | Rs. | 12.12 | Rs. | 13.20 | per 1 sqm |
| C | 3rd - Floor | Rs. | 1.08 | Rs. | 15.77 | Rs. | 16.85 | per 1 sqm |
| D | 4th - Floor | Rs. | 1.08 | Rs. | 19.43 | Rs. | 20.51 | per 1 sqm |
| E | 5th - Floor | Rs. | 1.08 | Rs. | 23.08 | Rs. | 24.16 | per 1 sqm |
| F | 6th - Floor | Rs. | 1.08 | Rs. | 26.73 | Rs. | 27.81 | per 1 sqm |
| G | 7th - Floor | Rs. | 1.08 | Rs. | 30.38 | Rs. | 31.46 | per 1 sqm |
| H | 8th - Floor | Rs. | 1.08 | Rs. | 34.05 | Rs. | 35.13 | per 1 sqm |
| I | 9th - Floor | Rs. | 1.08 | Rs. | 37.70 | Rs. | 38.78 | per 1 sqm |
| J | 10th - Floor | Rs. | 1.08 | Rs. | 41.35 | Rs. | 42.43 | per 1 sqm |
| K | 11th - Floor | Rs. | 1.08 | Rs. | 45.01 | Rs. | 46.09 | per 1 sqm |
| L | 12th - Floor | Rs. | 1.08 | Rs. | 48.66 | Rs. | 49.74 | per 1 sqm |
| M | 13th - Floor | Rs. | 1.08 | Rs. | 52.31 | Rs. | 53.39 | per 1 sqm |
| N | 14th - Floor | Rs. | 1.08 | Rs. | 55.97 | Rs. | 57.05 | per 1 sqm |
| O | 15th - Floor | Rs. | 1.08 | Rs. | 59.62 | Rs. | 60.70 | 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. | 2.57 | Rs. | 16.94 | Rs. | 19.51 | per 1 sqm |
| B | 2nd - Floor | Rs. | 2.57 | Rs. | 24.04 | Rs. | 26.61 | per 1 sqm |
| C | 3rd - Floor | Rs. | 2.57 | Rs. | 31.13 | Rs. | 33.70 | per 1 sqm |
| D | 4th - Floor | Rs. | 2.57 | Rs. | 38.23 | Rs. | 40.80 | per 1 sqm |
| E | 5th - Floor | Rs. | 2.57 | Rs. | 45.33 | Rs. | 47.90 | per 1 sqm |
| F | 6th - Floor | Rs. | 2.57 | Rs. | 52.42 | Rs. | 54.99 | per 1 sqm |
| G | 7th - Floor | Rs. | 2.57 | Rs. | 59.52 | Rs. | 62.09 | per 1 sqm |
| H | 8th - Floor | Rs. | 2.57 | Rs. | 66.62 | Rs. | 69.19 | per 1 sqm |
| I | 9th - Floor | Rs. | 2.57 | Rs. | 73.72 | Rs. | 76.29 | per 1 sqm |
| J | 10th - Floor | Rs. | 2.57 | Rs. | 80.81 | Rs. | 83.38 | per 1 sqm |
| K | 11th - Floor | Rs. | 2.57 | Rs. | 87.91 | Rs. | 90.48 | per 1 sqm |
| L | 12th - Floor | Rs. | 2.57 | Rs. | 95.01 | Rs. | 97.58 | per 1 sqm |
| M | 13th - Floor | Rs. | 2.57 | Rs. | 102.03 | Rs. | 104.60 | per 1 sqm |
| N | 14th - Floor | Rs. | 2.57 | Rs. | 109.19 | Rs. | 111.76 | per 1 sqm |
| O | 15th - Floor | Rs. | 2.57 | Rs. | 116.30 | Rs. | 118.87 | per 1 sqm |

| CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc., for unsupported height 3.66M | | | | | | | | | | | | | | | |
|---|----------|-------------|------------------------|-------------|-------------|----------------------------------|---|-------------------------------------|--|---|---|---|---------------|----------------------------|--|
| FLOOR | | LINTELS | CHAJJAS - SUNSHADES | COLUMNS | BEAMS | SLABS - Up to 150 mm thick | SLABS - above 150 mm - Up to 300 mm thick | SLABS - above 300 mm thick | WAFFLE - (GRID) SLABS (Rib Beams with Slabs) | PERGOLA SLABS (Only Rib Beams) | ARCH BEAMS - up to 1.5 M Span | ARCH BEAMS - above 1.5 M Span | DOME SLABS | HELICAL STAIR- CASES | SHEAR WALLS, RCC WALLS, WATER TANK WALLS |
| Material Hire for any Floor | H | 1233 | 243 | 371 | 2179 | 247 | 254 | 265 | 897 | 629 | 2477 | 2512 | 4005 | 305 | 472 |
| Labour Charges for 1st Floor | L | 1720 | 264 | 2415 | 2027 | 241 | 248 | 260 | 834 | 585 | 2304 | 2336 | 3723 | 284 | 510 |
| Total Hire Charges (H+L) | T | 2953 | 507 | 2786 | 4206 | 488 | 502 | 525 | 1731 | 1214 | 4781 | 4848 | 7728 | 589 | 982 |
| | | | | | | | | | | | | | | | |
| 1st - Floor | L | 1720 | 264 | 2415 | 2027 | 241 | 248 | 260 | 834 | 585 | 2304 | 2336 | 3723 | 284 | 510 |
| 2nd - Floor | L | 1892 | 290 | 2657 | 2230 | 265 | 273 | 286 | 917 | 644 | 2534 | 2570 | 4095 | 312 | 561 |
| 3rd - Floor | L | 2064 | 317 | 2898 | 2432 | 289 | 298 | 312 | 1001 | 702 | 2765 | 2803 | 4468 | 341 | 612 |
| 4th - Floor | L | 2236 | 343 | 3140 | 2635 | 313 | 322 | 338 | 1084 | 761 | 2995 | 3037 | 4840 | 369 | 663 |
| 5th - Floor | L | 2408 | 370 | 3381 | 2838 | 337 | 347 | 364 | 1168 | 819 | 3226 | 3270 | 5212 | 398 | 714 |
| 6th - Floor | L | 2580 | 396 | 3623 | 3041 | 362 | 372 | 390 | 1251 | 878 | 3456 | 3504 | 5585 | 426 | 765 |
| 7th - Floor | L | 2752 | 422 | 3864 | 3243 | 386 | 397 | 416 | 1334 | 936 | 3686 | 3738 | 5957 | 454 | 816 |
| 8th - Floor | L | 2924 | 449 | 4106 | 3446 | 410 | 422 | 442 | 1418 | 995 | 3917 | 3971 | 6329 | 483 | 867 |
| 9th - Floor | L | 3096 | 475 | 4347 | 3649 | 434 | 446 | 468 | 1501 | 1053 | 4147 | 4205 | 6701 | 511 | 918 |
| 10th -Floor | L | 3268 | 502 | 4589 | 3851 | 458 | 471 | 494 | 1585 | 1112 | 4378 | 4438 | 7074 | 540 | 969 |
| 11th -Floor | L | 3440 | 528 | 4830 | 4054 | 482 | 496 | 520 | 1668 | 1170 | 4608 | 4672 | 7446 | 568 | 1020 |
| 12th -Floor | L | 3612 | 554 | 5072 | 4257 | 506 | 521 | 546 | 1751 | 1229 | 4838 | 4906 | 7818 | 596 | 1071 |
| 13th -Floor | L | 3784 | 581 | 5313 | 4459 | 530 | 546 | 572 | 1835 | 1287 | 5069 | 5139 | 8191 | 625 | 1122 |
| 14th -Floor | L | 3956 | 607 | 5555 | 4662 | 554 | 570 | 598 | 1918 | 1346 | 5299 | 5373 | 8563 | 653 | 1173 |
| 15th -Floor | L | 4128 | 634 | 5796 | 4865 | 578 | 595 | 624 | 2002 | 1404 | 5530 | 5606 | 8935 | 682 | 1224 |
| 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 | | LINTELS | CHAJJAS - SUNSHADES | COLUMNS | BEAMS | SLABS - Up to 150 mm thick | SLABS - above 150 mm - Up to 300 mm thick | SLABS - above 300 mm thick | WAFFLE - (GRID) SLABS (Rib Beam with Slabs) | PERGOLA SLABS (Only Rib Beams) | ARCH BEAMS - up to 1.5M Span | ARCH BEAMS - above 1.5 M Span | DOME SLABS | HELICAL STAIRCASES |
| Material Hire for any Floor | H | 826 | 163 | 249 | 1458 | 165 | 170 | 178 | 601 | 421 | 1657 | 1681 | 2681 | 501 |
| Labour Charges for 1st Floor | L | 1332 | 204 | 1871 | 1569 | 186 | 193 | 201 | 646 | 453 | 1784 | 1808 | 2884 | 220 |
| Total Hire Charges (H+L) | T | 2158 | 367 | 2120 | 3027 | 351 | 363 | 379 | 1247 | 874 | 3441 | 3489 | 5565 | 721 |
| 1st - Floor | L | 1332 | 204 | 1871 | 1569 | 186 | 193 | 201 | 646 | 453 | 1784 | 1808 | 2884 | 220 |
| 2nd - Floor | L | 1465 | 224 | 2058 | 1726 | 205 | 212 | 221 | 711 | 498 | 1962 | 1989 | 3172 | 242 |
| 3rd - Floor | L | 1598 | 245 | 2245 | 1883 | 223 | 232 | 241 | 775 | 544 | 2141 | 2170 | 3461 | 264 |
| 4th - Floor | L | 1732 | 265 | 2432 | 2040 | 242 | 251 | 261 | 840 | 589 | 2319 | 2350 | 3749 | 286 |
| 5th - Floor | L | 1865 | 286 | 2619 | 2197 | 260 | 270 | 281 | 904 | 634 | 2498 | 2531 | 4038 | 308 |
| 6th - Floor | L | 1998 | 306 | 2807 | 2354 | 279 | 290 | 302 | 969 | 680 | 2676 | 2712 | 4326 | 330 |
| 7th - Floor | L | 2131 | 326 | 2994 | 2510 | 298 | 309 | 322 | 1034 | 725 | 2854 | 2893 | 4614 | 352 |
| 8th - Floor | L | 2264 | 347 | 3181 | 2667 | 316 | 328 | 342 | 1098 | 770 | 3033 | 3074 | 4903 | 374 |
| 9th - Floor | L | 2398 | 367 | 3368 | 2824 | 335 | 347 | 362 | 1163 | 815 | 3211 | 3254 | 5191 | 396 |
| 10th - Floor | L | 2531 | 388 | 3555 | 2981 | 353 | 367 | 382 | 1227 | 861 | 3390 | 3435 | 5480 | 418 |
| 11th - Floor | L | 2664 | 408 | 3742 | 3138 | 372 | 386 | 402 | 1292 | 906 | 3568 | 3616 | 5768 | 440 |
| 12th - Floor | L | 2797 | 428 | 3929 | 3295 | 391 | 405 | 422 | 1357 | 951 | 3746 | 3797 | 6056 | 462 |
| 13th - Floor | L | 2930 | 449 | 4116 | 3452 | 409 | 425 | 442 | 1421 | 997 | 3925 | 3978 | 6345 | 484 |
| 14th - Floor | L | 3064 | 469 | 4303 | 3609 | 428 | 444 | 462 | 1486 | 1042 | 4103 | 4158 | 6633 | 506 |
| 15th - Floor | L | 3197 | 490 | 4490 | 3766 | 446 | 463 | 482 | 1550 | 1087 | 4282 | 4339 | 6922 | 528 |

Note:-

- 1) All Materials conforming to ISI or relevant International Standards shall be used in all CIVIL, Water Supply & Sanitary Fittings, Electrical and Electro-Mechanical Works.
- 2) Concerned departments shall approve the materials either from the manufacturer or from its authorized /certified dealer only and also to approve the brands of the products / materials to be adopted in their estimates at their end. In case common approval is required by the committee, concerned authority shall propose with all the details after thorough verification, to the committee for considering the proposal.
- 3) SoR rates for Civil and Water supply & Sanitary items are purely for 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.
- 4) The rates published in the Buildings SoR 2022-23 are the ceiling rates only and the estimate preparing authorities are responsible for the correctness and reasonableness of the rates and technical specifications adopted in the estimates.

List of Recommended brands/Manufacturers for guidance of field engineers :-

NOTE :

The above list of popular/reputed brands/manufacturers is for guidance. The concerned Engineer shall from time to time ensure their approval status with respect to quality approvals from standard institutions for adopting in the estimate of the works. The Engineer can exercise his/her discretion in selection while using other than above listed brands on satisfaction of their eligibility with respect to ISI or such standard institutional approvals ,quality ,durability and record/reputation of that product.

| Sl. No | SECTION | NAMES OF THE RECOMMENDED BRAND/ MANUFACTURER/ SUPPLIER |
|----------|----------------|--|
| A | SECTION | BRICKS & BUILDING BLOCKS |
| III | SUB-SECTION | Aerocon, Siporex, Nucon, NCL Aerated Blocks |
| C | SECTION | WALL & FLOOR TILES |
| | | (Landing cost - including material VAT, loading, cost of , unloading & stacking) |
| I | SUB-SECTION | NON-PORCELAIN CERAMIC FLOOR TILES - Somany, H & R Johnson, Naveen Ceramics, Kajaria, Nitco, Sphinx, Orient Bell, AGL, Hindware, Cera, Varmora, Vitero, Ambani, SUNHEART CERAMIK, Anjani tek, DR-4, RAK ceramics, Vevon (Sree Sudheer Ceramics Pvt Ltd) |
| II | SUB-SECTION | PORCELAIN VITRIFIED FLOOR TILES - H & R Johnson, H & R Johnson Marbonite, H & R Johnson Endura, H & R Johnson GPS, Naveen Ceramics, Kajaria, Nitco, Orient Bell, Hindware, AGL, RicasilCermaics Exxaro, Cera, Varmora, VITERO, Ambani, SUNHEART CERAMIK, Anjani tek, DR-4, RAK ceramics, Vevon (Sree Sudheer Ceramics Pvt Ltd) |
| III | SUB-SECTION | CERAMIC WALL TILES - Somany, H & R Johnson, Kajaria, Sphinx, Orient Bell, AGL, Hindware, RicasilCermaics Exxaro, Cera, Varmora, Vitero, Ambani, SUNHEART CERAMIK, Anjani tek, DR-4, RAK ceramics, Vevon (Sree Sudheer Ceramics Pvt Ltd) |
| IV | SUB-SECTION | PORCELAIN WALL TILES - Somany, H & R Johnson, Kajaria, Sphinx, Orient Bell, Hindware, Ricasil Cermaics Exxaro, Cera, Varmora, VITERO, Ambani, NCL Vitristik for Ceramic vitrified tiles on floor, NCL Tilostik for fixing Granite stones and NCL Marbstik for fixing Marble stones, SUNHEART CERAMIK, Anjani tek, DR-4, RAK ceramics, Vevon (Sree Sudheer Ceramics Pvt Ltd) |
| V | SUB-SECTION | GLASS MOSAIC TILES – Bisazza * Palladio * Expansive acqua reactive water barrier grouting system – NCL Tile grout, DR-4, RAK ceramics, Vevon (Sree Sudheer Ceramics Pvt Ltd) |
| VI | SUB-SECTION | WALL CLADDING TILES - Somany, H & R Johnson, Kajaria, Sphinx, Orient Bell, Hindware, Cera, SUNHEART CERAMIK, DR-4, RAK ceramics, Vevon (Sree Sudheer Ceramics Pvt Ltd) |
| VII | SUB-SECTION | ROOF TILES-BMI Monier |
| D | SECTION | PAVING & INTERLOCKING TILES |
| I | SUB-SECTION | TERRAZZO FLOOR TILES (PLAIN & CHEQUERED) - Super Decorative, Aditya Designer, Maha Bhima, Tricon, Pheonix, Eurocon, Ultra, Sphinx, Cemtech, DR-4 RAK ceramics, |
| II | SUB-SECTION | CEMENT CONCRETE FLOOR TILES (PLAIN & CHEQUERED) - Super Decorative, Aditya Designer, Maha Bhima, Tricon, Pheonix, Eurocon, Ultra, Sphinx, DR-4 RAK ceramics |
| III | SUB-SECTION | PRE-CAST CONCRETE BLOCKS FOR PAVING - Super Decorative, Aditya Designer, Maha Bhima, Tricon, Pheonix, Eurocon, Ultra, Sphinx, Cemtech, DEC Industries PVT LTD, Vishaka Master Industries, BMI Monier, DR-4 RAK ceramics |
| IV | SUB-SECTION | VINYL FLOORING - Marblex, Armstrong, |
| | | TILE ADHESIVE – MYK LATICRETE, Ambani, JK TileMaxX * Wall dado with cement |

| Sl. No | SECTION | NAMES OF THE RECOMMENDED BRAND/ MANUFACTURER/ SUPPLIER |
|-------------|--------------------|---|
| | | based adhesive – NCL Vitristik for Ceramic vitrified tiles * Cement based adhesive – NCL Tilostik for fixing Granite stones and NCL Marbstik for fixing Marble stones * Cement based Polymer modified jointing mortar – NCL Masonry glue * Cement based Polymer modified plastering mortar – NCL Render, DR-4, RAK ceramics |
| | | GLASS FIBRE REINFORCED CONCRETE TILES-Vishaka Master Industries |
| E | SECTION | TIMBER & ROOFING MATERIAL - DEC Industries PVT LTD |
| F | SECTION | STEEL MATERIALS - DEC Industries PVT LTD |
| G | SECTION | FIXTURES FOR DOORS & WINDOWS - Hardwyn, Godrej, Dorset, Dorma, Assa Abloy, M/s DEC Industries Pvt Ltd |
| H | SECTION | CONSTRUCTION CHEMICALS AND ADMIXTURES |
| I | SUB-SECTION | REPAIRING & TREATMENT WORKS |
| | | Armstrong / Fosroc ,PMCC, Asian LeakShield, Myk Arment ,FAB Chemicals, DR-4 |
| II | SUB-SECTION | INTEGRAL WATER PROOFING COMPOUNDS |
| | | Armstrong Chemicals Pvt Ltd Bengaluru , Fosroc Chemicals India Pvt Ltd Bengaluru, Zoriproof No.1 of Protect More construction, PIDILITE INDUSTRIES LIMITED,Sunanda Speciality Coatings Pvt Ltd, Asian Paints, Sunanda Myk Arment, Berger,FAB Chemicals, DR-4 |
| III | SUB-SECTION | PLASTICIZERS |
| | | Armstrong Chemicals Pvt Ltd, Bengaluru, Fosroc Chemicals India Pvt Ltd, Bengaluru, Zoriplax of Protect More Construction chemicals, Hyderabad * BONDUF CONSTRUCTION CHEMICALS , Sunanda Speciality Coatings Pvt Ltd , Asian Paints, DEC Industries PVT LTD Myk Arment, FAB Chemicals, DR-4 |
| IV | SUB-SECTION | GROUTS |
| | | Armstrong Chemicals Pvt Ltd, Bengaluru, Fosroc Chemicals India Pvt Ltd, Bengaluru, Protect More Construction Chemicals (Yield 0.5 Ltrs / 1 Kg Pack) Myk Arment , Berger, FAB Chemicals, DR-4 |
| V | SUB-SECTION | BONDING AGENTS/ ADHESIVES |
| | | Armstrong Chemicals Pvt Ltd Bengaluru, Fosroc Chemical India Pvt Ltd Bengaluru, Protect More Construction Chemicals. M/S DEC Industries manufactured products Myk Arment, Berger, FAB Chemicals, DR-4 |
| VIII | SUB-SECTION | ANTI-CORROSIVE AGENTS |
| | | Armstrong Chemicals Pvt Ltd Bengaluru , Fosroc Chemicals India Pvt Ltd Bengaluru, Protect More Construction Chemicals.(40 SFT Per Ltr / Coat) * CLEAN TECH CORROSION , Protect More Construction Chemicals Hyderabad, DEC Industries PVT LTD Myk Arment, FAB Chemicals, DR-4 |
| I | SECTION | GLASS MATERIALS - Modifloat, Asahi, Saint-Gobain, Binani, HNG, Gold Plus glass industry |
| J | SECTION | PAINTS & POLISHES - Asian Paints, Berger, Nerolac, British Paints, JK Cements, Nexon paints, Indocem, ESSAR, Sheenlac, Suryacem, Neon, Wallz, Walrus – SYNTHETIC PLASTER - NCL-Cement Primer (Interior, Exterior), NCL White Cement Putty, NCL-Alltek Spray Plaster, NCL-Skimcoat, Allteck Spray Plaster, NCL Gaiety, NCL-Delight, NCL-Harmony, NCL-Alltek Dune, NCL Alltek Acrylic Coarse, NCL Grey Coarse Putty, NCL Base Coat, NCL Flora, Allteck Deco Orient, MYK LATICRETE, Multichem, Essar, JK ShieldMaxX - White Cement, JK WhiteMaxX, LevelMaxX , JK GypsoMaxX , JK BondMaxX , Wall Putty (White cement based) JK WallMaxX, JK Primaxx(White Cement Based Primer), Smoothtek, Shalimar, Snowcem, Nippon, New World Paints Pvt. Ltd, Fortune Paints Pvt. Ltd, BAKELITE COATINGS AND PAINTS, NCL Topcoat paint, Alltek Trendy, Alltek Goldline, Sunanda |
| K | SECTION | PARTICLE BOARDS - NCL Bison, Ramco-Hilux, Ramco-Hicem, Everest-board, Visaka-board, Rajshri, Innsula, Birla Aerocon, Aerolite, Novopan, Bhutan-board, Greenply, Greenpanel, Kajariaply, ECOBOARD, Action Tesa |
| L | SECTION | PLYWOODS, LAMINATES & VENEERS - Kitply, Century Ply, National Ply, Bhutan Ply, Samrat, Gurjan ply, Aamoda, Mayur, Amul Boards, Greenply, Greenpanel, Kajariaply, PRAYAG POLYMERS, Archidply/ M/S DEC Industries PVT Ltd |
| M | SECTION | CEILINGS, WALL PARTITIONS & WALL LININGS -Ramco-Hilux, Everest-board, Visakha-board, Rajshri, Innsula, Gypsum India, Saint-Gobain, Armstrong-Knauf |

| Sl. No | SECTION | NAMES OF THE RECOMMENDED BRAND/ MANUFACTURER/ SUPPLIER |
|----------|----------------|--|
| | | Ceilings, Daikin, NCL-Seccolor, NC Bison, Rock Strength, Aerolite, USG Boral, Birla Aerocon, Diamond, Aerolite, DIAMOND FRAMES, Shaurya,iqubx, Aerolite Industries Pvt Ltd, EUROBOND |
| N | SECTION | DOORS, SHUTTERS & FRAMES -NCL Buildtek, Anand, Raavila, Kutty, Standard, Shubhdwar, ITP, Rajshri, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL Prelaminated ABS door shutter, NCL FPS Door Frame, , NCL-Veka, Fenesta, , Masonite, Everest, Vishaka, Ambience, Aamoda, Rehau,, Nandi PVC Doors, Aparna-Venster, Ecoste, DEC Infrastructure & Projects(I) Pvt. Ltd, Ecocell, Marcolini, Greenpanel, Kajariaply, HDHMR Doors – NCL, Yashpoly , ULTIMATE SAFETY METAL DOORS, SUDHAKAR PROFILE SYSTEMS, SHREEJI WOODCRAFT PVT LTD, DEC Industries PVT LTD , Galwin Techno Fab industries Pvt.Ltd, Qute Extrusions, Action Tesa, Aparna Venster,iqubx, Plastone, SIMTA Astrix, EUROBOND |
| | SUB-SECTION | UPVC DOORS AND WINDOWS : Sintex, NCL Veka, Fenesta, LG, EUREKA “Eumax”/ Window systems, Sudhakar profile systems, REHAU, Qute Extrusions, Galvin Techno Fab industries, SIMTA Astrix, Action Tesa, Aparna Venster,iqubx, Plastone, EUROBOND |
| P | SECTION | WINDOWS - NCL-Buildtek, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, NCL-Veka, Fenesta, , Ahlada, Rehau, , Win-Eshtas-Viswajeet Industries, Aparna Venster, ecoVUE, EcoCell, Yashpoly, Marcolini, , DEC Industries PVT LTD , Galwin Techno Fab industries Pvt.Ltd, Aparna Venster, SS Secure productions Pvt Ltd, Plastone ,iqubx, SIMTA Astrix, Qute Extrusions, EUROBOND |
| Q | SECTION | STRUCTURAL GLAZING & CURTAIN WALLING - NCL Buildtek, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG, Rehau, Arpitha, , Galvin Techno Fab industries Pvt.Ltd, Qute Extrusions |
| R | SECTION | MISCELLANEOUS ITEMS |
| | | (a) Sintex, Aquatech, Hindpipe/Hindplast/HIPPO+ for LLDPE Roto Moulding tanks (b) Centurywells & Sudarshana for Galvalume sheets (c) Elixir for PEB structures (d) Aluminium Sections - Hindalco, Nalco, Jindal, Geetha series (e) Gypsum plaster-NKV Home Depot, Gyplite, (f) AC Sheets – Charminar Fortune (g) MPC (Mineral Polymer Composite) Grills/Jali – Esoste, Carpets – Welspun (i) Polycarbonate sheets – DPI Daylighting (h) Design, fabrication & supply of light weight pre engineered buildings - DEC Industries PVT LTD, NCL Buildtek, Kirby (i) Non asbestos sheets; Charminar fortune |

The rates published in the Buildings SoR 2022-23 are the ceiling rates only and the estimate preparing authorities are responsible for the correctness and reasonableness of the rates and technical specifications adopted in the estimates.

WATER SUPPLY & SANITARY ITEMS

WATER SUPPLY & SANITARY ITEMS

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| A | | | S.W.G. PIPES & FITTINGS | | |
| 1 | MAT-01667 | 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 | 418.968 |
| 2 | MAT-01668 | 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 | 416.852 |
| 3 | MAT-01669 | 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 | 619.988 |
| 4 | MAT-01670 | 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 | 609.408 |
| 5 | LAB-00411 | 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 | 260.268 |
| 6 | LAB-00412 | 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 1524mm (5'-0") depth (except rock requiring blasting) and refilling with watering and tamping. | 1 RM | 322.69 |
| 7 | MAT-01671 | BMW-A.07 | a)Supplying, laying, jointing and testing 152.4 mmCC bed 1:2:4 Prop: using 19.05mm gauge graded granite metalchips and cradling 101.6 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets. | 1 RM | 227.47 |
| 8 | LAB-00413 | BMW-A.08 | b) - do - labour charges only | 1 RM | 11.235 |
| 9 | MAT-01672 | BMW-A.09 | a)Supplying, laying, jointing and testing 152.4 mmCC bed 1:2:4 Prop: using 19.05mm gauge graded granite metalchips and cradling 152.4 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets. | 1 RM | 315.284 |
| 10 | LAB-00414 | BMW-A.10 | b) - do - labour charges only | 1 RM | 55.64 |
| 11 | MAT-01673 | 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 | 87.814 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 12 | LAB-00150 | BMW-A.12 | b) - do - labour charges only | 1 RM | 41.73 |
| 13 | MAT-01674 | 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 | 161.874 |
| 14 | LAB-00151 | BMW-A.14 | b) - do - labour charges only | 1 RM | 57.78 |
| 15 | MAT-01675 | BMW-A.15 | Supply of SWG SP-1 Pipe conforming to ISI 651- 4" dia (101.6mm) | 1 RM | 166.95 |
| 16 | MAT-01676 | BMW-A.16 | Supply of SWG SP-1 Pipe conforming to ISI 651- 6" dia (152.4mm) | 1 RM | 290.85 |
| 17 | MAT-01677 | BMW-A.17 | Supply of SWG SP-1 Pipe conforming to ISI 651-8" dia (203.2mm) | 1 RM | 448.35 |
| 18 | MAT-01678 | BMW-A.18 | Supply of SWG SP-1 Pipe conforming to ISI 651- 10" dia (254 mm) | 1 RM | 821.1 |
| 19 | MAT-01679 | BMW-A.19 | Supply of SWG SP-1 Pipe conforming to ISI 651- 12" dia (300 mm) | 1 RM | 1183.35 |
| 20 | MAT-01680 | BMW-A.20 | Supply of SWG SP-1 Pipe conforming to ISI 651- 14" dia (350 mm) | 1 RM | 1610.7 |
| 21 | MAT-01681 | BMW-A.21 | Supply of SWG SP-1 Pipe conforming to ISI 651- 16" dia (400 mm) | 1 RM | 1941.45 |
| 22 | MAT-01682 | BMW-A.22 | Supply of SWG SP-1 Pipe conforming to ISI 651- 18" dia (450 mm) | 1 RM | 2344.65 |
| 23 | MAT-01683 | BMW-A.23 | Supply of SWG SP-2 Pipe conforming to ISI 651- 4" dia (101.6mm) | 1 RM | 206.85 |
| 24 | MAT-01684 | BMW-A.24 | Supply of SWG SP-2 Pipe conforming to ISI 651- 6" dia (152.4mm) | 1 RM | 306.6 |
| 25 | MAT-01685 | BMW-A.25 | Supply of SWG SP-2 Pipe conforming to ISI 651-8" dia (203.2mm) | 1 RM | 553.35 |
| 26 | MAT-01686 | BMW-A.26 | Supply of SWG SP-2 Pipe conforming to ISI 651- 10" dia (254 mm) | 1 RM | 870.45 |
| 27 | MAT-01687 | BMW-A.27 | Supply of SWG SP-2 Pipe conforming to ISI 651- 12" dia (300 mm) | 1 RM | 1336.65 |
| 28 | MAT-01688 | BMW-A.28 | Supply of SWG SP-2 Pipe conforming to ISI 651- 14" dia (350 mm) | 1 RM | 1732.5 |
| 29 | MAT-01689 | BMW-A.29 | Supply of SWG SP-2 Pipe conforming to ISI 651- 16" dia (400 mm) | 1 RM | 1996.05 |
| 30 | MAT-01690 | BMW-A.30 | Supply of SWG SP-2 Pipe conforming to ISI 651- 18" dia (450 mm) | 1 RM | 2547.3 |
| 31 | MAT-01691 | BMW-A.31 | Supply of SWG SP-3 Pipe conforming to ISI 651- 4" dia (101.6mm) | 1 RM | 263.55 |
| 32 | MAT-01692 | BMW-A.32 | Supply of SWG SP-3 Pipe conforming to ISI 651- 6" dia (152.4mm) | 1 RM | 383.25 |
| 33 | MAT-01693 | BMW-A.33 | Supply of SWG SP-3 Pipe conforming to ISI 651-8" dia (203.2mm) | 1 RM | 678.3 |
| 34 | MAT-01694 | BMW-A.34 | Supply of SWG SP-3 Pipe conforming to ISI 651- 10" dia (254 mm) | 1 RM | 1031.1 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 35 | MAT-01695 | BMW-A.35 | Supply of SWG SP-3 Pipe conforming to ISI 651- 12" dia (300 mm) | 1 RM | 1440.6 |
| 36 | MAT-01696 | BMW-A.36 | Supply of SWG SP-3 Pipe conforming to ISI 651- 14" dia (350 mm) | 1 RM | 1829.1 |
| 37 | MAT-01697 | BMW-A.37 | Supply of SWG SP-2 Pipe conforming to ISI 651- 16" dia (400 mm) | 1 RM | 2105.25 |
| 38 | MAT-01698 | BMW-A.38 | Supply of SWG SP-3 Pipe conforming to ISI 651- 18" dia (450 mm) | 1 RM | 2864.4 |
| 39 | MAT-01699 | BMW-A.39 | Supply of SWG Bends conforming to IS standards -100 mm dia | Each | 84 |
| 40 | MAT-01700 | BMW-A.40 | Supply of SWG Bends conforming to IS standards -150 mm dia | Each | 155.4 |
| 41 | MAT-01701 | BMW-A.41 | Supply of SWG Bends conforming to IS standards -200 mm dia | Each | 292.95 |
| 42 | MAT-01702 | BMW-A.42 | Supply of SWG Bends conforming to IS standards -250 mm dia | Each | 594.3 |
| 43 | MAT-01703 | BMW-A.43 | Supply of SWG Bends conforming to IS standards -300 mm dia | Each | 754.95 |
| 44 | MAT-01704 | BMW-A.44 | Supply of SWG Bends conforming to IS standards -350 mm dia | Each | 942.9 |
| 45 | MAT-01705 | 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 | 161.7 |
| 46 | MAT-01706 | 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 | 238.35 |
| 47 | MAT-01707 | 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 | 260.4 |
| 48 | MAT-01708 | 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 | 370.65 |
| 49 | MAT-01709 | 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 | 432.6 |
| 50 | MAT-01710 | 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 | 496.65 |
| 51 | MAT-01711 | 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 | 582.75 |
| 52 | MAT-01712 | 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 | 769.65 |
| 53 | MAT-01713 | 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 | 953.4 |
| 54 | MAT-01714 | 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 | 1141.35 |
| 55 | MAT-01715 | 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 | 831.6 |
| 56 | MAT-01716 | 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 | 1065.75 |
| 57 | MAT-01717 | 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 | 1298.85 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 58 | MAT-01718 | 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 | 1533 |
| 59 | MAT-01719 | 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 | 1767.15 |
| 60 | MAT-01720 | 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 | 1038.45 |
| 61 | MAT-01721 | 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 | 1331.4 |
| 62 | MAT-01722 | 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 | 1623.3 |
| 63 | MAT-01723 | 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 | 1913.1 |
| 64 | MAT-01724 | 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 | 2207.1 |
| 65 | MAT-01725 | 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 | 2496.9 |
| 66 | MAT-01726 | BMW-A.66 | Supply of SWG Plugs conforming to IS standards for 100 mm dia | Each | 30.45 |
| 67 | MAT-01727 | BMW-A.67 | Supply of SWG Plugs conforming to IS standards for 150 mm dia | Each | 57.75 |
| 68 | MAT-01728 | BMW-A.68 | Supply of SWG Plugs conforming to IS standards for 200 mm dia | Each | 111.3 |
| 69 | MAT-01729 | BMW-A.69 | Supply of SWG Plugs conforming to IS standards for 250 mm dia | Each | 192.15 |
| 70 | MAT-01730 | BMW-A.70 | Supply of SWG Plugs conforming to IS standards for 300 mm dia | Each | 304.5 |
| 71 | MAT-01731 | BMW-A.71 | Supply of SWG Plugs conforming to IS standards for 350 mm dia | Each | 382.2 |
| 72 | MAT-01732 | 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 | 533.4 |
| 73 | MAT-01733 | BMW-A.73 | Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm | Each | 240.45 |
| 74 | LAB-00152 | 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 | 33.6 |
| 75 | MAT-01734 | BMW-A.75 | Supply of SWG Saddles conforming to IS standards 150 x 100 mm | | 170.1 |
| 76 | MAT-01735 | BMW-A.76 | Supply of SWG Saddles conforming to IS standards 200 x 100 mm | | 292.95 |
| 77 | MAT-01736 | BMW-A.77 | Supply of SWG Saddles conforming to IS standards 250 x 100 mm | | 473.55 |
| | | B | MAN HOLES & INSPECTION CHAMBERS -AS PER - IS 4111 : Part 1 : 1986 | | |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 78 | MAT-05233 | 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 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 | 6316.26 |
| 79 | MAT-05234 | 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 | 9939.91 |
| 80 | MAT-05235 | 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 | 6118.414 |
| 81 | MAT-05236 | 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; | Each | 9556.914 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| | | | 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. | | |
| 82 | MAT-01737 | 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 | 5956.54 |
| 83 | MAT-01738 | 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 | 3589.794 |
| 84 | MAT-01739 | BMW-B.07 | a) Making drainage connection in the existing inspection including all repairs | Each | 118.496 |
| 85 | LAB-00157 | BMW-B.08 | b) - do - labour charges only | Each | 80.25 |
| | | 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 | MAT-01740 | BMW-C.01 | 3" dia (76.2 mm) Single Socket | 1 RM | 752.238 |
| 87 | MAT-01741 | BMW-C.02 | 4" dia (101.6mm) Single Socket | 1 RM | 975.476 |
| 88 | MAT-01742 | BMW-C.03 | 6" dia (152.4mm) Single Socket | 1 RM | 1539.39 |
| 89 | MAT-01743 | BMW-C.04 | 3" dia (76.2 mm) Double Socket | 1 RM | 817.834 |
| 90 | MAT-01744 | BMW-C.05 | 4" dia (101.6mm) Double Socket | 1 RM | 1080.218 |
| 91 | MAT-01745 | BMW-C.06 | 6" dia (152.4mm) Double Socket | 1 RM | 1765.802 |
| 92 | LAB-00158 | 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 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 | 1 RM | 257.87 |
| 93 | MAT-01746 | 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 | 290.95 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 94 | MAT-01747 | 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 | 365.01 |
| 95 | MAT-01748 | 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 | 597.77 |
| 96 | MAT-01749 | 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 | 356.546 |
| 97 | MAT-01750 | 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 | 439.07 |
| 98 | MAT-01751 | 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 | 945.852 |
| 99 | LAB-00159 | 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 | 81.32 |
| 100 | MAT-01752 | 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 | 451.766 |
| 101 | MAT-01753 | 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 | 696.164 |
| 102 | MAT-01754 | 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 | 1626.146 |
| 103 | MAT-01755 | 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 | 381.938 |
| 104 | MAT-01756 | 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 | 515.246 |
| 105 | MAT-01757 | 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 | 1215.642 |
| 106 | LAB-00160 | 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 | 114.49 |
| 107 | MAT-01758 | 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 | 677.12 |
| 108 | MAT-01759 | 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 | 818.892 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 109 | MAT-01760 | BMW-C.24 | Supplying and Fixing of 152.4 mm (6") CI soil Double junction with plug : conforming to IS:1729-1979 with cementcaulked joints and fixing | Each | 1892.762 |
| 110 | MAT-01761 | 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 | 587.19 |
| 111 | MAT-01762 | 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 | 765.992 |
| 112 | MAT-01763 | 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 | 1774.266 |
| 113 | LAB-00161 | 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 | 113.206 |
| 114 | MAT-01764 | 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 | 286.718 |
| 115 | MAT-01765 | 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 | 398.866 |
| 116 | MAT-01766 | 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 | 860.154 |
| 117 | MAT-01767 | 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 | 340.676 |
| 118 | MAT-01768 | 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 | 449.65 |
| 119 | MAT-01769 | 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 | 881.314 |
| 120 | MAT-01770 | BMW-C.35 | Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixingfor 76.20 mm (3") C.I. Pipe | Each | 392.518 |
| 121 | MAT-01771 | BMW-C.36 | Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixingfor 101.6 mm (4") C.I. Pipe | Each | 505.724 |
| 122 | MAT-01772 | BMW-C.37 | Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixingfor 152.4 mm (6") C.I. Pipe | Each | 1023.086 |
| 123 | LAB-00162 | BMW-C.38 | Labour charges only fixing CI soil Offsets with cement caulked joints and fixing as per site requirements with standard practice | Each | 51.36 |
| 124 | MAT-01773 | 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 practicefor nominal dia 75 mm (3") and grating size 165 mm dia of weight not less than 5.5 Kgs | Each | 515.246 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 125 | MAT-01774 | 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 | 629.51 |
| 126 | MAT-01775 | 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 | 319.516 |
| 127 | LAB-00163 | 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 | 56.71 |
| 128 | MAT-01776 | BMW-C.43 | Boxing of Nahany traps in RCC floors | Each | 177.744 |
| 129 | MAT-01777 | BMW-C.44 | Boxing of W.C Trap in R.C.C floors | Each | 356.546 |
| 130 | MAT-01778 | 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 | 169.28 |
| 131 | MAT-01779 | 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 | 212.658 |
| 132 | MAT-01780 | 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 | 611.524 |
| | | D | VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 – 1974 (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 133 | MAT-01781 | 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 | 1035.782 |
| 134 | MAT-01782 | 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 | 1035.782 |
| 135 | LAB-00164 | BMW-D.03 | Labour charges only for fixing Indian pattern W.C with "P" or "S" trap | Each | 342.4 |
| 136 | MAT-01783 | 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 | 1551.028 |
| 137 | MAT-01784 | 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 | 1626.146 |
| 138 | LAB-00165 | BMW-D.06 | Labour charges only Fixing Orissa pan W.C with "P" or "S" trap | Each | 428 |
| 139 | MAT-01785 | 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 | 238.05 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 140 | LAB-00166 | BMW-D.08 | Labour charges only for fixing porcelain foot rest for squatting I.W.C. (Rectangular pair) | Pair | 78.11 |
| 141 | MAT-01786 | BMW-D.09 | Providing Brick masonry seat for Orissa pan/ Indian W.C. using 2nd class bricks as per standard practice | Each | 303.45 |
| 142 | MAT-01787 | 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 | 90.3 |
| 143 | MAT-01788 | BMW-D.11 | Supplying & Fixing low down porcelain flushing tank 10 Lit Capacity with internal components | Each | 2468.314 |
| 144 | LAB-00167 | BMW-D.12 | Labour charges only for fixing low down porcelain flushing tank with internal components | Each | 599.2 |
| 145 | MAT-01789 | 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 | 1978.46 |
| 146 | MAT-01790 | 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 | 1888.53 |
| 147 | LAB-00168 | BMW-D.15 | Labour charges only for fixing European Water Closet with 'P' or 'S' trap as per standard practice | Each | 299.6 |
| 148 | MAT-01791 | 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 | 849.574 |
| 149 | LAB-00169 | BMW-D.17 | Labour charges only for fixing plastic seat and lid for European water closet | Each | 86.67 |
| 150 | MAT-01792 | 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 | 9158.048 |
| 151 | MAT-01793 | 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. complete for finished item of work in all respects: Coloured - Grade - I/ Grade - II | Each | 13354.08 |
| 152 | MAT-01794 | 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 | 16993.6 |
| 153 | MAT-01795 | 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- | Each | 2611.144 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| | | | 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 | | |
| 154 | MAT-01796 | 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 | 2318.078 |
| 155 | MAT-01797 | 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 | 2828.034 |
| 156 | MAT-01798 | 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 | 1736.178 |
| 157 | MAT-01799 | 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 | 2100.13 |
| 158 | MAT-01800 | 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 | 1519.288 |
| 159 | MAT-01801 | 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- | Each | 1956.242 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| | | | 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 | | |
| 160 | LAB-00170 | 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 | 361.66 |
| 161 | MAT-01802 | BMW-D.29 | Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware) | Each | 1201.888 |
| 162 | LAB-00171 | BMW-D.30 | Labour charges only for fixing pedestal for wash hand basin | Each | 154.08 |
| 163 | MAT-01803 | BMW-D.31 | Supplying & Fixing 31.75 mm C.P bottle trap (Heavy type) Parryware or equivalent | Each | 432.722 |
| 164 | LAB-00172 | BMW-D.32 | Labour charges only for fixing bottle trap to the wash hand basin | Each | 51.36 |
| 165 | MAT-01804 | 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 | 898.242 |
| 166 | MAT-01805 | 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 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make : 410 x 265 x 305 mm | Each | 2643.942 |
| 167 | MAT-01806 | 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 | 2934.892 |
| 168 | LAB-00173 | BMW-D.36 | Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete | Each | 144.45 |
| 169 | MAT-01807 | 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 | 4788.508 |
| 170 | MAT-01808 | 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 | 5371.466 |
| 171 | LAB-00174 | BMW-D.39 | Labour charges only for fixing Vitreous china porcelain sinks with waste fittings, rubber plug, chain, cantilever brackets etc. | Each | 361.66 |
| 172 | MAT-01809 | 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 | 780.804 |
| 173 | LAB-00175 | BMW-D.41 | b) - do - labour charges only | Each | 255.73 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| | | E | TAPS & FAUCETS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 174 | MAT-01810 | BMW-E.01 | a) S & F 12.7 mm NP stop cock Indian make heavy duty | Each | 449.65 |
| 175 | LAB-00176 | BMW-E.02 | b) - do - labour charges only | Each | 33.17 |
| 176 | MAT-01811 | BMW-E.03 | a) S & F concealed stop cock 12.7 mm (1/2") Indian Make heavy duty | Each | 515.246 |
| 177 | LAB-00177 | BMW-E.04 | b) - do - labour charges only | Each | 49.22 |
| 178 | MAT-01812 | BMW-E.05 | a) S & F angle stop cock 12.7 mm dia first quality Indian Make heavy duty | Each | 452.824 |
| 179 | LAB-00178 | BMW-E.06 | b) - do - labour charges only | Each | 49.22 |
| 180 | MAT-01813 | BMW-E.07 | a) S&F 12.7 mm N.P bib tap Indian make heavy duty | Each | 387.228 |
| 181 | LAB-00179 | BMW-E.08 | b) - do - labour charges only | Each | 33.17 |
| 182 | MAT-01814 | BMW-E.09 | a) S&F 12.7mm N.P bib tap Indian make heavy duty | Each | 247.572 |
| 183 | LAB-00180 | BMW-E.10 | b) - do - labour charges only | Each | 33.17 |
| 184 | MAT-01815 | BMW-E.11 | a) S & F 31.75 mm brass plumber Union best Indian first quality | Each | 67.712 |
| 185 | LAB-00181 | BMW-E.12 | b) - do - labour charges only | Each | 16.05 |
| 186 | MAT-01816 | BMW-E.13 | a) S & F 12.7 mm brass stop cock Indian make heavy duty | Each | 222.18 |
| 187 | LAB-00182 | BMW-E.14 | b) - do - labour charges only | Each | 33.17 |
| 188 | MAT-01817 | BMW-E.15 | a) S & F 12.7 mm brass stop cock Indian make heavy duty | Each | 195.73 |
| 189 | LAB-00183 | BMW-E.16 | b) - do - labour charges only | Each | 33.17 |
| 190 | MAT-01818 | BMW-E.17 | a) S & F 12.7 mm brass bib cock Indian make heavy duty | Each | 222.18 |
| 191 | LAB-00184 | BMW-E.18 | b) - do - labour charges only | Each | 33.17 |
| 192 | MAT-01819 | BMW-E.19 | a) S & F 12.7 mm brass bib cock Indian make heavy duty | Each | 195.73 |
| 193 | LAB-00185 | BMW-E.20 | b) - do - labour charges only | Each | 33.17 |
| 194 | MAT-01820 | BMW-E.21 | S & F CP Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make | Each | 606.234 |
| 195 | MAT-01821 | BMW-E.22 | S & F CP Short body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make | Each | 581.9 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 196 | MAT-01822 | BMW-E.23 | S & F 12.7mm heavy duty dia high neck pillar cock 1st quality Indian make | Each | 1102.436 |
| 197 | MAT-01823 | BMW-E.24 | a)S & F 12.7 mm heavy duty NP Swan Neck Pillar cock | Each | 1102.436 |
| 198 | LAB-00186 | BMW-E.25 | b) - do - labour charges only | Each | 46.01 |
| 199 | MAT-01824 | BMW-E.26 | a)S & F 12.7 mm heavy duty NP Sink cock | Each | 1100.32 |
| 200 | LAB-00187 | BMW-E.27 | b) - do - labour charges only | Each | 39.59 |
| 201 | MAT-01825 | BMW-E.28 | S&F 12.7 mm dia NP pillar cock heavy duty 1st quality Indian make | Each | 578.726 |
| 202 | MAT-01826 | BMW-E.29 | S&F 12.7 mm dia NP push cock 1st quality | Each | 259.21 |
| 203 | MAT-01827 | BMW-E.30 | S&F 12.7 mm dia NP lift cock 1st quality | Each | 227.47 |
| 204 | MAT-01828 | BMW-E.31 | a)S & F 38.1 mm C.Pwaste coupling Half or Full Thread 1st Quality Indian make Parryware or equivalent | Each | 227.47 |
| 205 | LAB-00188 | BMW-E.32 | b) - do - labour charges only | Each | 33.17 |
| 206 | MAT-01829 | BMW-E.33 | a) S & F 31.75 mm PVC bottle trap | Each | 138.598 |
| 207 | LAB-00189 | BMW-E.34 | b) - do - labour charges only | Each | 33.17 |
| 208 | MAT-01830 | BMW-E.35 | a)S& F 38.1 mm brass plumber union | Each | 67.712 |
| 209 | LAB-00190 | BMW-E.36 | b) - do - labour charges only | Each | 16.05 |
| 210 | MAT-01831 | BMW-E.37 | a)S & F 19.05 mm heavy duty NP stop cock Indian make with ISI mark | Each | 578.726 |
| 211 | LAB-00191 | BMW-E.38 | b) - do - labour charges only | Each | 33.17 |
| | | F | G.I. PIPES & FITTINGS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 212 | MAT-01832 | BMW-F.01 | S& F Glunion 12.7 mm 1st Quality | Each | 42.32 |
| 213 | MAT-01833 | BMW-F.02 | S& F Glunion 19.05 mm 1st Quality | Each | 50.784 |
| 214 | MAT-01834 | BMW-F.03 | S& F Glunion 25.4 mm 1st Quality | Each | 77.234 |
| 215 | MAT-01835 | BMW-F.04 | S& F Glunion 31.75 mm 1st Quality | Each | 95.22 |
| 216 | MAT-01836 | BMW-F.05 | S& F Glunion 38.1 mm 1st Quality | Each | 114.264 |
| 217 | MAT-01837 | BMW-F.06 | S& F Glunion 50.8 mm 1st Quality | Each | 141.772 |
| 218 | MAT-01838 | BMW-F.07 | S& F GI connector 25.4 mm dia | Each | 84.64 |
| 219 | MAT-01839 | BMW-F.08 | S& F 12.7 mm GI 'T' A class 1st quality | Each | 51.842 |
| 220 | MAT-01840 | BMW-F.09 | S& F31.75mm dia GI bend 1st quality | Each | 77.234 |
| 221 | MAT-01841 | BMW-F.10 | S & F 31.75 mm dia GI 'T' 1st Quality | Each | 76.176 |
| 222 | MAT-01842 | BMW-F.11 | a) S & F 25.4 mm copper ball cock ith PVC ball Indian make ISI mark | Each | 447.534 |
| 223 | LAB-00192 | BMW-F.12 | b) - do - labour charges only | Each | 49.726 |
| 224 | MAT-01843 | BMW-F.13 | a) S & F 19.05 mm copper ball cock ith PVCball Indian make ISI mark | Each | 367.126 |
| 225 | LAB-00193 | BMW-F.14 | b) - do - labour charges only | Each | 45.494 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 226 | MAT-01844 | BMW-F.15 | a)S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI mark | Each | 241.224 |
| 227 | LAB-00194 | BMW-F.16 | b) - do - labour charges only | Each | 49.726 |
| 228 | MAT-01845 | 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 | 1164.858 |
| 229 | LAB-00195 | BMW-F.18 | b) - do - labour charges only | Each | 49.726 |
| 230 | MAT-01846 | 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 | 812.544 |
| 231 | LAB-00196 | BMW-F.20 | b) - do - labour charges only | Each | 49.726 |
| 232 | MAT-01847 | 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 | 604.118 |
| 233 | LAB-00197 | BMW-F.22 | b) - do - labour charges only | Each | 49.726 |
| 234 | MAT-01848 | 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 | 1767.918 |
| 235 | LAB-00198 | BMW-F.24 | b) - do - labour charges only | Each | 43.378 |
| 236 | MAT-01849 | 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 | 2388.964 |
| 237 | LAB-00199 | BMW-F.26 | b) - do - labour charges only | Each | 75.118 |
| 238 | MAT-01850 | 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 | 3497.748 |
| 239 | LAB-00200 | BMW-F.28 | b) - do - labour charges only | Each | 100.51 |
| 240 | MAT-01851 | 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 | 5397.916 |
| 241 | LAB-00201 | BMW-F.30 | b) - do - labour charges only | Each | 5459.28 |
| 242 | MAT-01852 | 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 | 7995.306 |
| 243 | LAB-00202 | BMW-F.32 | b) - do - labour charges only | Each | 149.178 |
| 244 | MAT-01853 | 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 | 449.65 |
| 245 | LAB-00203 | BMW-F.34 | b) - do - labour charges only | Each | 62.422 |
| 246 | MAT-01854 | 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 | 1018.854 |
| 247 | LAB-00204 | BMW-F.36 | b) - do - labour charges only | Each | 75.118 |
| 248 | MAT-01855 | 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 | 2069.448 |
| 249 | LAB-00205 | BMW-F.38 | b) - do - labour charges only | Each | 125.902 |
| 250 | MAT-01856 | 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 | 2824.86 |
| 251 | LAB-00206 | BMW-F.40 | b) - do - labour charges only | Each | 125.902 |
| 252 | MAT-01857 | BMW-F.41 | a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non | Each | 652.786 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| | | | return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size | | |
| 253 | LAB-00207 | BMW-F.42 | b) - do - labour charges only | Each | 60.99 |
| 254 | MAT-01858 | 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 | 424.258 |
| 255 | LAB-00208 | BMW-F.44 | b) - do - labour charges only | Each | 60.99 |
| 256 | MAT-01859 | 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 | 550.16 |
| 257 | LAB-00209 | BMW-F.46 | b) - do - labour charges only | Each | 60.99 |
| 258 | MAT-01860 | 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 | 826.298 |
| 259 | LAB-00210 | BMW-F.48 | b) - do - labour charges only | Each | 60.99 |
| 260 | MAT-01861 | 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 | 1135.234 |
| 261 | LAB-00211 | BMW-F.50 | b) - do - labour charges only | Each | 60.99 |
| 262 | MAT-01862 | 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 | 1370.11 |
| 263 | LAB-00212 | BMW-F.52 | b) - do - labour charges only | Each | 96.3 |
| 264 | MAT-01863 | 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 | 2167.842 |
| 265 | LAB-00213 | BMW-F.54 | b) - do - labour charges only | Each | 60.99 |
| 266 | MAT-01864 | 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 | 455.998 |
| 267 | LAB-00214 | BMW-F.56 | b) - do - labour charges only | Each | 60.99 |
| 268 | MAT-01865 | 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 | 592.48 |
| 269 | LAB-00215 | BMW-F.58 | b) - do - labour charges only | Each | 60.99 |
| 270 | MAT-01866 | 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 | 864.386 |
| 271 | LAB-00216 | BMW-F.60 | b) - do - labour charges only | Each | 60.99 |
| 272 | MAT-01867 | 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 | 1562.666 |
| 273 | LAB-00217 | BMW-F.62 | b) - do - labour charges only | Each | 60.99 |
| 274 | MAT-01868 | 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 | 2340.296 |

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|--------|-----------|-----------|--|------|------------------------------|
| 275 | LAB-00218 | BMW-F.64 | b) - do - labour charges only | Each | 2394.66 |
| 276 | MAT-01869 | 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 | 4073.3 |
| 277 | LAB-00219 | BMW-F.66 | b) - do - labour charges only | Each | 60.99 |
| 278 | MAT-05237 | 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 | 179.86 |
| 279 | LAB-00221 | BMW-F.68 | b) - do - labour charges only | 1 RM | 46.01 |
| 280 | MAT-05238 | 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 | 205.252 |
| 281 | LAB-00223 | BMW-F.70 | b) - do - labour charges only | 1 RM | 46.01 |
| 282 | MAT-05239 | 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 | 267.674 |
| 283 | LAB-00225 | BMW-F.72 | b) - do - labour charges only | 1 RM | 46.01 |
| 284 | MAT-05240 | 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 | 371.358 |
| 285 | LAB-00227 | BMW-F.74 | b) - do - labour charges only | 1 RM | 46.01 |
| 286 | MAT-05241 | 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 | 416.852 |
| 287 | LAB-00229 | BMW-F.76 | b) - do - labour charges only | 1 RM | 49.726 |
| 288 | MAT-05242 | 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 | 457.056 |
| 289 | LAB-00231 | BMW-F.78 | b) - do - labour charges only | 1 RM | 75.118 |
| 290 | MAT-05243 | 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 | 198.904 |
| 291 | LAB-00233 | BMW-F.80 | b) - do - labour charges only | 1 RM | 46.01 |
| 292 | MAT-05244 | 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 | 220.064 |
| 293 | LAB-00235 | BMW-F.82 | b) - do - labour charges only | 1 RM | 46.01 |
| 294 | MAT-05245 | 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 | 1 RM | 285.66 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| | | | including the cost of pipe & its fittings & labour charges complete | | |
| 295 | LAB-00237 | BMW-F.84 | b) - do - labour charges only | 1 RM | 46.01 |
| 296 | MAT-05246 | 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 | 397.808 |
| 297 | LAB-00239 | BMW-F.86 | b) - do - labour charges only | 1 RM | 46.01 |
| 298 | MAT-05247 | 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 | 444.36 |
| 299 | LAB-00241 | BMW-F.88 | b) - do - labour charges only | 1 RM | 50.29 |
| 300 | MAT-05248 | 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 | 483.506 |
| 301 | LAB-00243 | BMW-F.90 | b) - do - labour charges only | 1 RM | 75.97 |
| 302 | MAT-01870 | 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 union and GI connectors with checkout and socket Tata or Zenith make or equivalent. | 1 RM | 836.878 |
| 303 | MAT-01871 | BMW-F.92 | a) S & F 12.7 mm holder bat clamps | Each | 13.754 |
| 304 | LAB-00244 | BMW-F.93 | b) - do - labour charges only | Each | 8.56 |
| 305 | MAT-01872 | BMW-F.94 | a) S & F 19.05 mm holder bat clamps | Each | 21.4 |
| 306 | LAB-00245 | BMW-F.95 | b) - do - labour charges only | Each | 8.56 |
| 307 | MAT-01873 | BMW-F.96 | a) S & F 25.4 mm holder bat clamps | Each | 27.508 |
| 308 | LAB-00246 | BMW-F.97 | b) - do - labour charges only | Each | 8.56 |
| 309 | MAT-01874 | BMW-F.98 | a) S & F 38.1 mm holder bat clamps | Each | 30.682 |
| 310 | LAB-00247 | BMW-F.99 | b) - do - labour charges only | Each | 10.7 |
| 311 | MAT-01875 | BMW-F.100 | a) S& F 12.7x 152.0 mm NP shower rose heavy | Each | 178.802 |
| 312 | LAB-00248 | BMW-F.101 | b) - do - labour charges only | Each | 22.47 |
| 313 | MAT-01876 | BMW-F.102 | a) S& F 12.7x 137.0 mm NP shower rose heavy | Each | 171.396 |
| 314 | LAB-00249 | BMW-F.103 | b) - do - labour charges only | Each | 24.61 |
| 315 | MAT-01877 | BMW-F.104 | a) S& F 12.7x 101.6 mm NP shower rose heavy | Each | 162.932 |
| 316 | LAB-00250 | BMW-F.105 | b) - do - labour charges only | Each | 24.61 |
| 317 | MAT-01878 | BMW- | a) S & F 12.7 x 88.9 CP fancy shower | Each | 287.776 |

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|--------|-----------|-----------|---|-------|------------------------------|
| | | F.106 | | | |
| 318 | LAB-00251 | BMW-F.107 | b) - do - labour charges only | Each | 24.61 |
| 319 | MAT-01879 | BMW-F.108 | a) Supplying & fixing 12.7 mm GI drain pipe with plug for tanks (Mud valve) including making a hole | Each | 47.61 |
| 320 | LAB-00252 | BMW-F.109 | b) - do - labour charges only | Each | 24.61 |
| 321 | MAT-01880 | BMW-F.110 | a) Supplying & fixing 19.05 mm GI drain pipe with plug for tanks (Mud valve) including making a hole | Each | 67.712 |
| 322 | LAB-00253 | BMW-F.111 | b) - do - labour charges only | Each | 23.54 |
| 323 | MAT-01881 | BMW-F.112 | a) Supplying & fixing 25.4 mm GI drain pipe with plug for tanks (Mud valve) including making a hole | Each | 79.35 |
| 324 | LAB-00254 | BMW-F.113 | b) - do - labour charges only | Each | 26.75 |
| 325 | MAT-01882 | BMW-F.114 | a) Taking branch water connection from the existing 25.4 mm GIppe including cutting threading, etc, complete with fitting | Each | 152.352 |
| 326 | LAB-00255 | BMW-F.115 | b) - do - labour charges only | Each | 26.75 |
| 327 | MAT-01883 | BMW-F.116 | a) Taking branch water connection from the existing 19.05 mm GIppe including cutting threading, etc, complete with fitting, | Each | 87.814 |
| 328 | LAB-00256 | BMW-F.117 | b) - do - labour charges only | Each | 40.66 |
| 329 | MAT-01884 | BMW-F.118 | a) Taking branch water connection from the existing 12.7 mm GIppe including cutting threading, etc, complete with fitting, | Each | 66.654 |
| 330 | LAB-00257 | BMW-F.119 | b) - do - labour charges only | Each | 35.31 |
| 331 | MAT-01885 | BMW-F.120 | Supplying & fixing leather washers for 12.7 mm bib tap and stop cock | Each | 1.058 |
| 332 | MAT-01886 | BMW-F.121 | Supplying & fixing leather washers for 19.05 mm bib tap and stop cock | Each | 3.174 |
| 333 | MAT-01887 | BMW-F.122 | Supplying & Fixing 12.7 mm fibre washers | Each | 3.174 |
| 334 | MAT-01888 | BMW-F.123 | Supplying & Fixing 19.05 mm fibre washers | Each | 3.174 |
| | | G | PVC PIPES & FITTINGS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers) | | |
| 335 | MAT-01889 | BMW-G.01 | a) Providing & Placing on Terrace(at all floor levels) polyethylene water storage tank of Double layer Roto moulded confirming to IS:12701 approved brand & manufacture with suitable cover/cap and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for tanks | 1 Lit | 8.5 |
| 336 | LAB-00258 | BMW-G.02 | b) - do - labour charges only | 1 Lit | 1.07 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 337 | MAT-01890 | BMW-G.03 | Supply of Plastic storage tank lid with hinges | Each | 70.35 |
| 338 | MAT-01891 | BMW-G.04 | Supply & Fixing 76.2 mm dia PVC elbow 1st quality | Each | 45.494 |
| 339 | MAT-01892 | BMW-G.05 | Supply & fixing 31.75mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality | Each | 24.334 |
| 340 | MAT-01893 | BMW-G.06 | Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet | Each | 85.698 |
| 341 | MAT-01894 | BMW-G.07 | Supply & fixing Fancy PVC shelf including all fittings | Each | 203.136 |
| 342 | MAT-01895 | BMW-G.08 | Supply & fixing of PVC low level system with internal components & short bend:10 Litres capacity Single Flush | Each | 1390.212 |
| 343 | MAT-01896 | BMW-G.09 | Supply & fixing of PVC low level system with internal components & short bend:10 litres capacity Dual Flush | Each | 1632.494 |
| 344 | MAT-01897 | BMW-G.10 | Supply & fixing of PVC low level system with internal components & short bend:8 Litres capacity single Flush | Each | 786.094 |
| 345 | MAT-01898 | BMW-G.11 | 75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 236.25 |
| 346 | MAT-01899 | BMW-G.12 | 90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 374.85 |
| 347 | MAT-01900 | BMW-G.13 | 110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 447.3 |
| 348 | MAT-01901 | BMW-G.14 | 75 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 266.7 |
| 349 | MAT-01902 | BMW-G.15 | 90 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 425.25 |
| 350 | MAT-01903 | BMW-G.16 | 110 mm dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 519.75 |
| 351 | MAT-01904 | BMW-G.17 | 75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 165.9 |
| 352 | MAT-01905 | BMW-G.18 | 90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 255.15 |
| 353 | MAT-01906 | BMW-G.19 | 110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 318.15 |
| 354 | MAT-01907 | BMW-G.20 | 75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 176.4 |
| 355 | MAT-01908 | BMW-G.21 | 90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 271.95 |
| 356 | MAT-01909 | BMW-G.22 | 110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 328.65 |
| 357 | MAT-01910 | BMW-G.23 | 75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 121.8 |
| 358 | MAT-01911 | BMW-G.24 | 90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 186.9 |
| 359 | MAT-01912 | BMW-G.25 | 110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 224.7 |
| 360 | MAT-01913 | BMW-G.26 | 75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 102.9 |
| 361 | MAT-01914 | BMW-G.27 | 90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 151.2 |
| 362 | MAT-01915 | BMW-G.28 | 110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 194.25 |
| 363 | MAT-01916 | BMW-G.29 | 75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 61.95 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 364 | MAT-01917 | BMW-G.30 | 90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 103.95 |
| 365 | MAT-01918 | BMW-G.31 | 110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 130.2 |
| 366 | MAT-01919 | BMW-G.32 | 160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm | Each | 1065.75 |
| 367 | MAT-01920 | BMW-G.33 | 75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 400.05 |
| 368 | MAT-01921 | BMW-G.34 | 90 mm dia 3 M single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 643.65 |
| 369 | MAT-01922 | BMW-G.35 | 110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 765.45 |
| 370 | MAT-01923 | BMW-G.36 | 75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 436.8 |
| 371 | MAT-01924 | BMW-G.37 | 90 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 693 |
| 372 | MAT-01925 | BMW-G.38 | 110 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 845.25 |
| 373 | MAT-01926 | BMW-G.39 | 75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 262.5 |
| 374 | MAT-01927 | BMW-G.40 | 90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 407.4 |
| 375 | MAT-01928 | BMW-G.41 | 110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 485.1 |
| 376 | MAT-01929 | BMW-G.42 | 75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 280.35 |
| 377 | MAT-01930 | BMW-G.43 | 90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 425.25 |
| 378 | MAT-01931 | BMW-G.44 | 110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 523.95 |
| 379 | MAT-01932 | BMW-G.45 | 75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 190.05 |
| 380 | MAT-01933 | BMW-G.46 | 90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 294 |
| 381 | MAT-01934 | BMW-G.47 | 110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 358.05 |
| 382 | MAT-01935 | BMW-G.48 | 75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 163.8 |
| 383 | MAT-01936 | BMW-G.49 | 90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 240.45 |
| 384 | MAT-01937 | BMW-G.50 | 110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 290.85 |
| 385 | MAT-01938 | BMW-G.51 | 75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 106.05 |
| 386 | MAT-01939 | BMW-G.52 | 90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 164.85 |
| 387 | MAT-01940 | BMW-G.53 | 110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 210 |
| 388 | MAT-01941 | BMW-G.54 | 160 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm | Each | 1743 |

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|--------|-----------|-----------|--|------|------------------------------|
| 389 | MAT-01942 | BMW-G.55 | 75 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 46.2 |
| 390 | MAT-01943 | BMW-G.56 | 90 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 64.05 |
| 391 | MAT-01944 | BMW-G.57 | 110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 76.65 |
| 392 | MAT-01945 | BMW-G.58 | 75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 61.95 |
| 393 | MAT-01946 | BMW-G.59 | 90 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 87.15 |
| 394 | MAT-01947 | BMW-G.60 | 110 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings | Each | 99.75 |
| 395 | MAT-01948 | BMW-G.61 | 75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings | Each | 35.7 |
| 396 | MAT-01949 | BMW-G.62 | 90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings | Each | 50.4 |
| 397 | MAT-01950 | BMW-G.63 | 110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings | Each | 64.05 |
| 398 | MAT-01951 | BMW-G.64 | 75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings | Each | 61.95 |
| 399 | MAT-01952 | BMW-G.65 | 90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings | Each | 90.3 |
| 400 | MAT-01953 | BMW-G.66 | 110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings | Each | 109.2 |
| 401 | MAT-01954 | BMW-G.67 | 75 mm dia - Single Tee - UPVC/SWR Pipe fittings | Each | 54.6 |
| 402 | MAT-01955 | BMW-G.68 | 90 mm dia - Single Tee - UPVC/SWR Pipe fittings | Each | 81.9 |
| 403 | MAT-01956 | BMW-G.69 | 110 mm dia - Single Tee - UPVC/SWR Pipe fittings | Each | 99.75 |
| 404 | MAT-01957 | BMW-G.70 | 75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings | Each | 67.2 |
| 405 | MAT-01958 | BMW-G.71 | 90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings | Each | 99.75 |
| 406 | MAT-01959 | BMW-G.72 | 110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings | Each | 119.7 |
| 407 | MAT-01960 | BMW-G.73 | 75 mm dia - Double Tee - UPVC/SWR Pipe fittings | Each | 105 |
| 408 | MAT-01961 | BMW-G.74 | 90 mm dia - Double Tee - UPVC/SWR Pipe fittings | Each | 169.05 |
| 409 | MAT-01962 | BMW-G.75 | 110 mm dia - Double Tee - UPVC/SWR Pipe fittings | Each | 199.5 |
| 410 | MAT-01963 | BMW-G.76 | 75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings | Each | 139.65 |
| 411 | MAT-01964 | BMW-G.77 | 90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings | Each | 264.6 |
| 412 | MAT-01965 | BMW-G.78 | 110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings | Each | 258.3 |
| 413 | MAT-01966 | BMW-G.79 | 75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings | Each | 69.3 |
| 414 | MAT-01967 | BMW-G.80 | 90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings | Each | 109.2 |
| 415 | MAT-01968 | BMW-G.81 | 110 mm dia - Single 'Y' - UPVC/SWR Pipe fittings | Each | 126 |
| 416 | MAT-01969 | BMW-G.82 | 75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings | Each | 87.15 |
| 417 | MAT-01970 | BMW-G.83 | 90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings | Each | 137.55 |
| 418 | MAT-01971 | BMW-G.84 | 110 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings | Each | 158.55 |
| 419 | MAT-01972 | BMW-G.85 | 75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings | Each | 93.45 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 420 | MAT-01973 | BMW-G.86 | 90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings | Each | 145.95 |
| 421 | MAT-01974 | BMW-G.87 | 110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings | Each | 165.9 |
| 422 | MAT-01975 | BMW-G.88 | 75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings | Each | 121.8 |
| 423 | MAT-01976 | BMW-G.89 | 90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings | Each | 190.05 |
| 424 | MAT-01977 | BMW-G.90 | 110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings | Each | 214.2 |
| 425 | MAT-01978 | BMW-G.91 | 75 mm dia - Coupler - UPVC/SWR Pipe fittings | Each | 32.55 |
| 426 | MAT-01979 | BMW-G.92 | 90 mm dia - Coupler - UPVC/SWR Pipe fittings | Each | 47.25 |
| 427 | MAT-01980 | BMW-G.93 | 110 mm dia - Coupler - UPVC/SWR Pipe fittings | Each | 52.5 |
| 428 | MAT-01981 | BMW-G.94 | 90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings | Each | 54.6 |
| 429 | MAT-01982 | BMW-G.95 | 110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings | Each | 52.5 |
| 430 | MAT-01983 | BMW-G.96 | 90 x 110mm dia - Reducer - UPVC/SWR Pipe fittings | Each | 73.5 |
| 431 | MAT-01984 | BMW-G.97 | 63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 8.4 |
| 432 | MAT-01985 | BMW-G.98 | 75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 12.6 |
| 433 | MAT-01986 | BMW-G.99 | 90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 15.75 |
| 434 | MAT-01987 | BMW-G.100 | 110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings | Each | 17.85 |
| 435 | MAT-01988 | BMW-G.101 | 40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings - Pipe Clip - UPVC/SWR Pipe fittings | Each | 9.45 |
| 436 | MAT-01989 | BMW-G.102 | 50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 12.6 |
| 437 | MAT-01990 | BMW-G.103 | 63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 12.6 |
| 438 | MAT-01991 | BMW-G.104 | 75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 14.7 |
| 439 | MAT-01992 | BMW-G.105 | 90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 15.75 |
| 440 | MAT-01993 | BMW-G.106 | 110 mm - Pipe Clip - UPVC/SWR Pipe fittings | Each | 16.8 |
| 441 | MAT-01994 | BMW-G.107 | 160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings | Each | 32.55 |
| 442 | MAT-01995 | BMW-G.108 | P' Trap (Small without Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 173.25 |
| 443 | MAT-01996 | BMW-G.109 | P' Trap (Small with Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 192.15 |
| 444 | MAT-01997 | BMW-G.110 | P' Trap (Big with Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 219.45 |
| 445 | MAT-01998 | BMW-G.111 | P' Trap (Big without Air vent) 110 mm - UPVC/SWR Pipe fittings | Each | 201.6 |
| 446 | MAT-01999 | BMW-G.112 | Floor Trap (Bell Mouth) 110 mm - UPVC/SWR Pipe fittings | Each | 210 |
| 447 | MAT-02000 | BMW-G.113 | Bell Mouth Trap 7 " (177.8 mm) - UPVC/SWR Pipe fittings | Each | 304.5 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 448 | MAT-02001 | BMW-G.114 | 4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings | Each | 90.3 |
| 449 | MAT-02002 | BMW-G.115 | 3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings | Each | 80.85 |
| 450 | MAT-02003 | BMW-G.116 | 4" (101.6 mm) Nahany Trap (without inlet with out Jali)UPVC/SWR Pipe fittings | Each | 90.3 |
| 451 | MAT-02004 | BMW-G.117 | Mini Trap - UPVC/SWR Pipe fittings | Each | 49.35 |
| 452 | MAT-02005 | BMW-G.118 | 3" (76.2 mm) Nahany Trap with Jali - UPVC/SWR Pipe fittings | Each | 93.45 |
| 453 | MAT-02006 | BMW-G.119 | 4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings | Each | 133.35 |
| 454 | MAT-02007 | BMW-G.120 | 4" (101.6) multi floor trap with out Jalli- UPVC/SWR Pipe fittings | Each | 103.95 |
| 455 | MAT-02008 | BMW-G.121 | Round Jali - UPVC/SWR Pipe fittings | Each | 22.05 |
| 456 | MAT-02009 | BMW-G.122 | Square tile & Jalli - UPVC/SWR Pipe fittings | Each | 35.7 |
| 457 | MAT-02010 | BMW-G.123 | Pipe connector(with LIP ring) - UPVC/SWR Pipe fittings | Each | 133.35 |
| 458 | MAT-02011 | BMW-G.124 | Pipe connector(with out LIP ring) - UPVC/SWR Pipe fittings | Each | 108.15 |
| 459 | MAT-02012 | BMW-G.125 | 4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings | Each | 128.1 |
| 460 | MAT-02013 | BMW-G.126 | 5" (127.mm) floor Trap - UPVC/SWR Pipe fittings | Each | 135.45 |
| 461 | MAT-02014 | BMW-G.127 | 75 mm dia - Door cap - UPVC/SWR Pipe fittings | Each | 33.6 |
| 462 | MAT-02015 | BMW-G.128 | 90 mm dia - Door cap - UPVC/SWR Pipe fittings | Each | 58.8 |
| 463 | MAT-02016 | BMW-G.129 | 110 mm dia - Door cap - UPVC/SWR Pipe fittings | Each | 49.35 |
| 464 | MAT-02017 | BMW-G.130 | 75 mm dia - Socket plug - UPVC/SWR Pipe fittings | Each | 32.55 |
| 465 | MAT-02018 | BMW-G.131 | 90 mm dia - Socket plug - UPVC/SWR Pipe fittings | Each | 56.7 |
| 466 | MAT-02019 | BMW-G.132 | 110 mm dia - Socket plug - UPVC/SWR Pipe fittings | Each | 58.8 |
| 467 | MAT-02020 | BMW-G.133 | 75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings | Each | 7.35 |
| 468 | MAT-02021 | BMW-G.134 | 90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings | Each | 8.4 |
| 469 | MAT-02022 | BMW-G.135 | 110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings | Each | 9.45 |
| 470 | MAT-02023 | BMW-G.136 | 75 mm dia - Door Socket - UPVC/SWR Pipe fittings | Each | 8.4 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 471 | MAT-02024 | BMW-G.137 | 90 mm dia - Door Socket - UPVC/SWR Pipe fittings | Each | 9.45 |
| 472 | MAT-02025 | BMW-G.138 | 110 mm dia - Door Socket - UPVC/SWR Pipe fittings | Each | 12.6 |
| 473 | MAT-02026 | BMW-G.139 | LIP ring 110 mm - UPVC/SWR Pipe fittings | Each | 63 |
| 474 | MAT-02027 | BMW-G.140 | Rubber Lubricant - 100 Grams | Each | 24.15 |
| 475 | MAT-02028 | BMW-G.141 | Rubber Lubricant- 250Grams | Each | 47.25 |
| 476 | MAT-02029 | BMW-G.142 | Rubber Lubricant - 500 Grams | Each | 85.05 |
| 477 | MAT-02030 | BMW-G.143 | Rubber Lubricant - 1000 Grams | Each | 201.6 |
| 478 | MAT-02031 | BMW-G.144 | P' Trap with lip UPVC/SWR Pipe fittings | Each | 275.1 |
| 479 | MAT-02032 | BMW-G.145 | 50 ml - Solvent Cement | Each | 14.7 |
| 480 | MAT-02033 | BMW-G.146 | 100 ml - Solvent Cement | Each | 23.1 |
| 481 | MAT-02034 | BMW-G.147 | 250 ml - Solvent Cement | Each | 54.6 |
| 482 | MAT-02035 | BMW-G.148 | 500 ml - Solvent Cement | Each | 107.1 |
| 483 | MAT-02036 | BMW-G.149 | 1000 ml - Solvent Cement | Each | 210 |
| 484 | MAT-02037 | BMW-G.150 | 110mm x 90 mm - Internal Reducer - UPVC/SWR Pipe fittings | Each | 82.95 |
| 485 | MAT-02038 | BMW-G.151 | 160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings | Each | 207.9 |
| 486 | LAB-00259 | BMW-G.152 | Labour charges for laying, fixing and commissioning thePVC 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 | 79.18 |
| | | H | CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 - 1984 | | |
| 487 | MAT-02039 | BMW-H.01 | 75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) | Each | 1387.05 |
| 488 | MAT-02040 | BMW-H.02 | 100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) | Each | 1846.95 |
| 489 | MAT-02041 | BMW-H.03 | 150 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) | Each | 3384.15 |
| 490 | MAT-02042 | BMW-H.04 | 75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket | Each | 1539.3 |
| 491 | MAT-02043 | BMW-H.05 | 100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket | Each | 2076.9 |
| 492 | MAT-02044 | BMW-H.06 | 75 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes | Each | 1247.4 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 493 | MAT-02045 | BMW-H.07 | 100 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes | Each | 1666.35 |
| 494 | MAT-02046 | BMW-H.08 | 75 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes | Each | 1116.15 |
| 495 | MAT-02047 | BMW-H.09 | 100 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes | Each | 1482.6 |
| 496 | MAT-02048 | BMW-H.10 | 75 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes | Each | 907.2 |
| 497 | MAT-02049 | BMW-H.11 | 100 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes | Each | 1183.35 |
| 498 | MAT-02050 | BMW-H.12 | 75 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes | Each | 954.45 |
| 499 | MAT-02051 | BMW-H.13 | 100 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes | Each | 1183.35 |
| 500 | MAT-02052 | BMW-H.14 | 75 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings | Each | 330.75 |
| 501 | MAT-02053 | BMW-H.15 | 100 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings | Each | 380.1 |
| 502 | MAT-02054 | BMW-H.16 | 75 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings | Each | 473.55 |
| 503 | MAT-02055 | BMW-H.17 | 100 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings | Each | 544.95 |
| 504 | MAT-02056 | BMW-H.18 | 150 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings | Each | 1039.5 |
| 505 | MAT-02057 | BMW-H.19 | 75 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings | Each | 654.15 |
| 506 | MAT-02058 | BMW-H.20 | 100 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings | Each | 721.35 |
| 507 | MAT-02059 | BMW-H.21 | 150 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings | Each | 1303.05 |
| 508 | MAT-02060 | BMW-H.22 | 75 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings | Each | 1002.75 |
| 509 | MAT-02061 | BMW-H.23 | 100 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings | Each | 1353.45 |
| 510 | MAT-02062 | BMW-H.24 | 75 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings | Each | 1102.5 |
| 511 | MAT-02063 | BMW-H.25 | 100 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings | Each | 1649.55 |
| 512 | MAT-02064 | BMW-H.26 | 75 mm dia Plain Bend - CI (Spun) fittings | Each | 340.2 |
| 513 | MAT-02065 | BMW-H.27 | 100 mm dia Plain Bend - CI (Spun) fittings | Each | 401.1 |
| 514 | MAT-02066 | BMW-H.28 | 150 mm dia Plain Bend - CI (Spun) fittings | Each | 954.45 |
| 515 | MAT-02067 | BMW-H.29 | 75 mm dia Door Bend - CI (Spun) fittings | Each | 352.8 |
| 516 | MAT-02068 | BMW-H.30 | 100 mm dia Door Bend - CI (Spun) fittings | Each | 456.75 |
| 517 | MAT-02069 | BMW-H.31 | 150 mm dia Door Bend - CI (Spun) fittings | Each | 1044.75 |
| 518 | MAT-02070 | BMW-H.32 | 75 mm dia Plain Bend 45 Degrees - CI (Spun) fittings | Each | 340.2 |
| 519 | MAT-02071 | BMW-H.33 | 100 mm dia Plain Bend 45 Degrees - CI (Spun) fittings | Each | 401.1 |
| 520 | MAT-02072 | BMW-H.34 | 150 mm dia Plain Bend 45 Degrees - CI (Spun) fittings | Each | 954.45 |
| 521 | MAT-02073 | BMW-H.35 | 75 mm dia Door Bend 45 Degrees - CI (Spun) fittings | Each | 352.8 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) (Rs.) |
|--------|-----------|-----------|---|------|------------------------------------|
| 522 | MAT-02074 | BMW-H.36 | 100 mm dia Door Bend 45 Degrees - CI (Spun) fittings | Each | 456.75 |
| 523 | MAT-02075 | BMW-H.37 | 150 mm dia Door Bend 45 Degrees - CI (Spun) fittings | Each | 1044.75 |
| 524 | MAT-02076 | BMW-H.38 | Horn Bend Plain 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings | Each | 693 |
| 525 | MAT-02077 | BMW-H.39 | Horn Bend door 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings | Each | 809.55 |
| 526 | MAT-02078 | BMW-H.40 | 75 mm dia Heel Rest Bend - CI (Spun) fittings | Each | 362.25 |
| 527 | MAT-02079 | BMW-H.41 | 100 mm dia Heel Rest Bend - CI (Spun) fittings | Each | 463.05 |
| 528 | MAT-02080 | BMW-H.42 | 150 mm dia Heel Rest Bend - CI (Spun) fittings | Each | 984.9 |
| 529 | MAT-02081 | BMW-H.43 | 75 mm dia Single Branch Plain "T" - CI (Spun) fittings | Each | 456.75 |
| 530 | MAT-02082 | BMW-H.44 | 100 mm dia Single Branch Plain "T" - CI (Spun) fittings | Each | 616.35 |
| 531 | MAT-02083 | BMW-H.45 | 150 mm dia Single Branch Plain "T" - CI (Spun) fittings | Each | 1271.55 |
| 532 | MAT-02084 | BMW-H.46 | 75 mm dia Single Branch Door "T" - CI (Spun) fittings | Each | 538.65 |
| 533 | MAT-02085 | BMW-H.47 | 100 mm dia Single Branch Door "T" - CI (Spun) fittings | Each | 714 |
| 534 | MAT-02086 | BMW-H.48 | 150 mm dia Single Branch Door "T" - CI (Spun) fittings | Each | 1341.9 |
| 535 | MAT-02087 | BMW-H.49 | 75 mm dia Single Branch plain "Y" - CI (Spun) fittings | Each | 538.65 |
| 536 | MAT-02088 | BMW-H.50 | 100 mm dia Single Branch plain "Y" - CI (Spun) fittings | Each | 714 |
| 537 | MAT-02089 | BMW-H.51 | 150 mm dia Single Branch plain "Y" - CI (Spun) fittings | Each | 1576.05 |
| 538 | MAT-02090 | BMW-H.52 | 75 mm dia Single Branch Door "Y" - CI (Spun) fittings | Each | 590.1 |
| 539 | MAT-02091 | BMW-H.53 | 100 mm dia Single Branch Door "Y" - CI (Spun) fittings | Each | 788.55 |
| 540 | MAT-02092 | BMW-H.54 | 150 mm dia Single Branch Door "Y" - CI (Spun) fittings | Each | 1696.8 |
| 541 | MAT-02093 | BMW-H.55 | 75 mm dia Double Branch Plain "T" - CI (Spun) fittings | Each | 623.7 |
| 542 | MAT-02094 | BMW-H.56 | 100 mm dia Double Branch Plain "T" - CI (Spun) fittings | Each | 840 |
| 543 | MAT-02095 | BMW-H.57 | 75 mm dia Double Branch Door "T" - CI (Spun) fittings | Each | 695.1 |
| 544 | MAT-02096 | BMW-H.58 | 100 mm dia Double Branch Door "T" - CI (Spun) fittings | Each | 875.7 |
| 545 | MAT-02097 | BMW-H.59 | 75 mm dia Double Branch Plain "Y" - CI (Spun) fittings | Each | 695.1 |
| 546 | MAT-02098 | BMW-H.60 | 100 mm dia Double Branch Plain "Y" - CI (Spun) fittings | Each | 875.7 |
| 547 | MAT-02099 | BMW-H.61 | 75 mm dia Double Branch Door "Y" - CI (Spun) fittings | Each | 732.9 |
| 548 | MAT-02100 | BMW-H.62 | 100 mm dia Double Branch Door "Y" - CI (Spun) fittings | Each | 950.25 |
| 549 | MAT-02101 | BMW-H.63 | 75 mm dia Shoe Bend - CI (Spun) fittings | Each | 430.5 |
| 550 | MAT-02102 | BMW-H.64 | 100 mm dia Shoe Bend - CI (Spun) fittings | Each | 502.95 |
| 551 | MAT-02103 | BMW-H.65 | 150 mm dia Shoe Bend - CI (Spun) fittings | Each | 1020.6 |
| 552 | MAT-02104 | BMW-H.66 | 75 mm dia Collar - CI (Spun) fittings | Each | 294 |
| 553 | MAT-02105 | BMW-H.67 | 100 mm dia Collar - CI (Spun) fittings | Each | 357 |
| 554 | MAT-02106 | BMW-H.68 | 150 mm dia Collar - CI (Spun) fittings | Each | 732.9 |
| 555 | MAT-02107 | BMW-H.69 | 75 mm dia Cowl - CI (Spun) fittings | Each | 260.4 |
| 556 | MAT-02108 | BMW-H.70 | 100 mm dia Cowl - CI (Spun) fittings | Each | 294 |
| 557 | MAT-02109 | BMW-H.71 | 150 mm dia Cowl - CI (Spun) fittings | Each | 659.4 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 558 | MAT-02110 | BMW-H.72 | 75 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings | Each | 376.95 |
| 559 | MAT-02111 | BMW-H.73 | 100 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings | Each | 456.75 |
| 560 | MAT-02112 | BMW-H.74 | 150 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings | Each | 921.9 |
| 561 | MAT-02113 | BMW-H.75 | 75 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings | Each | 411.6 |
| 562 | MAT-02114 | BMW-H.76 | 100 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings | Each | 538.65 |
| 563 | MAT-02115 | BMW-H.77 | 150 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings | Each | 1073.1 |
| 564 | MAT-02116 | BMW-H.78 | 75 mm dia Long Door Bend - CI (Spun) fittings | Each | 865.2 |
| 565 | MAT-02117 | BMW-H.79 | 100 mm dia Long Door Bend - CI (Spun) fittings | Each | 930.3 |
| 566 | MAT-02118 | BMW-H.80 | 75 mm dia Hand Hole pipe (Inspection pipe) | Each | 496.65 |
| 567 | MAT-02119 | BMW-H.81 | 100 mm dia Hand Hole pipe (Inspection pipe) | Each | 677.25 |
| 568 | MAT-02120 | BMW-H.82 | 150 mm dia Hand Hole pipe (Inspection pipe) | Each | 900.9 |
| 569 | MAT-02121 | BMW-H.83 | 75 mm dia P Traps - CI (Spun) fittings | Each | 538.65 |
| 570 | MAT-02122 | BMW-H.84 | 100 mm dia P Traps - CI (Spun) fittings | Each | 738.15 |
| 571 | MAT-02123 | BMW-H.85 | 4" x 3" (101.6 mm x 76.2mm) P. Traps 100 mm dia - CI (Spun) fittings | Each | 846.3 |
| 572 | MAT-02124 | BMW-H.86 | 4" x 3" (101.6 mm x 76.2mm) Vent Traps 100 mm dia - CI (Spun) fittings | Each | 846.3 |
| 573 | MAT-02125 | BMW-H.87 | 4" x 3" (101.6 mm x 76.2mm) Reducer 75 mm dia - CI (Spun) fittings | Each | 525 |
| 574 | MAT-02126 | BMW-H.88 | 6" x 4" (152.4 mm x 101.6 mm) Reducer 75 mm dia - CI (Spun) fittings | Each | 719.25 |
| 575 | MAT-02127 | BMW-H.89 | 3" x 2" (76.2 mm x 50.8 mm) plain T 75 mm dia - CI (Spun) fittings | Each | 448.35 |
| 576 | MAT-02128 | BMW-H.90 | 3" x 2" (76.2 mm x 50.8 mm) Door T 75 mm dia - CI (Spun) fittings | Each | 701.4 |
| 577 | MAT-02129 | BMW-H.91 | 3" x 2" (76.2 mm x 50.8 mm) Plain Y 75 mm dia - CI (Spun) fittings | Each | 701.4 |
| 578 | MAT-02130 | BMW-H.92 | 3" x 2" (76.2 mm x 50.8 mm) Door Y 75 mm dia - CI (Spun) fittings | Each | 701.4 |
| 579 | MAT-02131 | BMW-H.93 | 4" x 3" (101.6 mm x 76.2mm) Plain T 75 mm dia - CI (Spun) fittings | Each | 701.4 |
| 580 | MAT-02132 | BMW-H.94 | 4" x 3" (101.6 mm x 76.2mm) Door T 75 mm dia - CI (Spun) fittings | Each | 742.35 |
| 581 | MAT-02133 | BMW-H.95 | 4" x 3" (101.6 mm x 76.2mm) Plain Y 75 mm dia - CI (Spun) fittings | Each | 742.35 |
| 582 | MAT-02134 | BMW-H.96 | 4" x 3" (101.6 mm x 76.2mm) Door Y 75 mm dia - CI (Spun) fittings | Each | 792.75 |
| 583 | MAT-02135 | BMW-H.97 | 6" x 4" (152.4 mm x 101.6 mm) Plain T 75 mm dia - CI | Each | 1037.4 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| | | | (Spun) fittings | | |
| 584 | MAT-02136 | BMW-H.98 | 6" x 4" (152.4 mm x101.6 mm)Door T 75 mm dia - CI (Spun) fittings | Each | 1123.5 |
| 585 | MAT-02137 | BMW-H.99 | 6" x 4" (152.4 mm x101.6 mm) Plain Y 75 mm dia - CI (Spun) fittings | Each | 1189.65 |
| 586 | MAT-02138 | BMW-H.100 | 6" x 4" (152.4 mm x101.6 mm)DoorY 75 mm dia - CI (Spun) fittings | Each | 1453.2 |
| 587 | MAT-02139 | BMW-H.101 | 75 mm diaPlain " T" 27 " (685.8 mm) Special Types of Long Fittings | Each | 1505.7 |
| 588 | MAT-02140 | BMW-H.102 | 100 mm dia - Plain " T" 27 " (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2114.7 |
| 589 | MAT-02141 | BMW-H.103 | 75 mm dia Door "T" 27" (685.8 mm)Special Types of Long CI (Spun) fittings | Each | 1682.1 |
| 590 | MAT-02142 | BMW-H.104 | 100mm dia Door "T" 27" (685.8 mm)Special Types of Long CI (Spun) fittings | Each | 2323.65 |
| 591 | MAT-02143 | BMW-H.105 | 75 mm diaPlain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 1682.1 |
| 592 | MAT-02144 | BMW-H.106 | 100mm diaPlain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings | Each | 2323.65 |
| 593 | MAT-02145 | BMW-H.107 | 75 mm dia Door " Y" 27" (685.8 mm)Special Types of Long CI (Spun) fittings | Each | 1875.3 |
| 594 | MAT-02146 | BMW-H.108 | 100mm dia Door " Y" 27" (685.8 mm)Special Types of Long CI (Spun) fittings | Each | 2551.5 |
| | | I | MISCELLANEOUS ITEMS | | |
| 595 | MAT-02147 | BMW-I.01 | a) Supplying & Fixing solder joints up to 50.8 mm dia | Each | 62.422 |
| 596 | LAB-00260 | BMW-I.02 | b) - do - labour charges only | Each | 21.4 |
| 597 | MAT-02148 | BMW-I.03 | a) Supplying & Fixing solution joints up to 50.8 dia Ist quality. | Each | 12.696 |
| 598 | LAB-00261 | BMW-I.04 | b) - do - labour charges only | Each | 2.14 |
| 599 | MAT-02149 | BMW-I.05 | Chiselling the stone masonry wall for fixing of wooden blocks including finishing as directed by the department | Each | 34.24 |
| 600 | MAT-02150 | BMW-I.06 | Chiselling the stone masonry wall and repairs as directed by the department. | 1 Rm | 162.64 |
| 601 | MAT-02151 | BMW-I.07 | Chiselling the brick masonry wall and repairs as directed by the department. | 1 Rm | 34.24 |
| 602 | MAT-02152 | 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 | 2102.246 |
| 603 | LAB-00262 | BMW-I.09 | b) - do - labour charges only | Each | 454.75 |
| 604 | MAT-02153 | BMW-I.10 | a) S & F NP shower spray fancy with NP Flexible pipe | Each | 562.856 |
| 605 | LAB-00263 | BMW-I.11 | b) - do - labour charges only | Each | 150.87 |
| 606 | MAT-02154 | BMW-I.12 | a) S & F NP cover for Nahany trap | Each | 31.74 |
| 607 | LAB-00264 | BMW-I.13 | b) - do - labour charges only | Each | 21.4 |
| 608 | MAT-02155 | BMW-I.14 | a) Painting the flushing tank with white enamel paint | Each | 118.77 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 609 | LAB-00265 | BMW-I.15 | b) - do - labour charges only | Each | 72.76 |
| 610 | MAT-02156 | BMW-I.16 | S & F internal fittings for flush tank Parryplast wonder flush or equivalent | Each | 769.166 |
| 611 | MAT-02157 | BMW-I.17 | Repairing and over hauling flushing tank | Each | 90.95 |
| 612 | MAT-02158 | BMW-I.18 | a) Supplying & Fixing NP chain rubber and plug for basin | Each | 41.262 |
| 613 | LAB-00266 | BMW-I.19 | b) - do - labour charges only | Each | 7.49 |
| 614 | MAT-02159 | BMW-I.20 | a) S & F 25.4 mm dia& 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws | Each | 161.874 |
| 615 | LAB-00267 | BMW-I.21 | b) - do - labour charges only | Each | 50.29 |
| 616 | MAT-02160 | BMW-I.22 | a) S & F 19.04 mm dia& 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws | Each | 143.888 |
| 617 | LAB-00268 | BMW-I.23 | b) - do - labour charges only | Each | 75.97 |
| 618 | MAT-02161 | BMW-I.24 | a) S & F 609.6 mm long 127 mm wide plate glass shelf with superior quality aluminium railing complete with aluminium screws | Each | 206.31 |
| 619 | LAB-00269 | BMW-I.25 | b) - do - labour charges only | Each | 63.13 |
| 620 | MAT-02162 | BMW-I.26 | a) S & F 609.6 mm long 127 mm wide plate glass shelf only | Each | 66.654 |
| 621 | LAB-00270 | BMW-I.27 | b) - do - labour charges only | Each | 12.84 |
| 622 | MAT-02163 | BMW-I.28 | a) S & F NP soap dish heavy type with NP SCREWS | Each | 230.644 |
| 623 | LAB-00271 | BMW-I.29 | b) - do - labour charges only | Each | 13.91 |
| 624 | MAT-02164 | BMW-I.30 | a) S & F NP holder brackets with screws | Each | 47.61 |
| 625 | LAB-00272 | BMW-I.31 | b) - do - labour charges only | Each | 16.05 |
| 626 | MAT-02165 | BMW-I.32 | a) S & F liquid soap container NP metallic with NP brackets and screws. | Each | 231.702 |
| 627 | LAB-00273 | BMW-I.33 | b) - do - labour charges only | Each | 24.61 |
| 628 | MAT-02166 | BMW-I.34 | a) S & F 31.75 mm C.P TRAPS | Each | 302.588 |
| 629 | LAB-00274 | BMW-I.35 | b) - do - labour charges only | Each | 50.29 |
| 630 | MAT-02167 | BMW-I.36 | a) Supplying & fixing 88.9 mm A.C cowls | Each | 68.77 |
| 631 | LAB-00275 | BMW-I.37 | b) - do - labour charges only | Each | 16.05 |
| 632 | MAT-02168 | BMW-I.38 | a)Supplying & fixing A.CCowl 63.5 mm dia | Each | 46.552 |
| 633 | LAB-00276 | BMW-I.39 | b) - do - labour charges only | Each | 12.84 |
| 634 | MAT-02169 | BMW-I.40 | Removing and refixing W.C s | Each | 216.89 |
| 635 | MAT-02170 | BMW-I.41 | Removing and refixing wash hand basins of any size with fittings complete | Each | 208.426 |
| 636 | MAT-02171 | BMW-I.42 | a)S & F 76.2 x 101.6 mm teak wood block complete | Each | 25.392 |
| 637 | LAB-00277 | BMW-I.43 | b) - do - labour charges only | Each | 10.7 |
| 638 | LAB-00278 | BMW-I.44 | Cutting holes in C.C; basement & repairs Labour charges only | Each | 120.91 |
| 639 | LAB-00279 | BMW-I.45 | Cutting holes in stone masonry& basement and repairs Labour charges only | Each | 81.32 |
| 640 | LAB-00280 | BMW-I.46 | Cutting holes in Brick masonry& repairs Labour charges | Each | 53.5 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| | | | only | | |
| 641 | LAB-00281 | BMW-I.47 | Cutting holes in RCC slab floor & repairs Labour charges only | Each | 81.32 |
| 642 | MAT-02172 | BMW-I.48 | a)Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated | Each | 95.22 |
| 643 | LAB-00282 | BMW-I.49 | b) - do - labour charges only | Each | 19.26 |
| 644 | MAT-02173 | BMW-I.50 | a) S & F 12.7 mm .M.P couplings | Each | 33.856 |
| 645 | LAB-00283 | BMW-I.51 | b) - do - labour charges only | Each | 12.84 |
| 646 | MAT-02174 | BMW-I.52 | a) S & F 19.05 mm M.P couplings | Each | 41.262 |
| 647 | LAB-00284 | BMW-I.53 | b) - do - labour charges only | Each | 12.84 |
| 648 | MAT-02175 | BMW-I.54 | a) S& F MP coupling 25.4 mm dia | Each | 90.988 |
| | LAB-00285 | | b) - do - labour charges only | Each | 12.84 |
| 649 | MAT-02176 | BMW-I.55 | a) S & FPVC Rubber adopter for LLC and bend | Each | 19.044 |
| 650 | LAB-00286 | BMW-I.56 | b) - do - labour charges only | Each | 8.56 |
| 651 | MAT-02177 | BMW-I.57 | a) S& F 31.75 mm Brass union nuts | Each | 33.856 |
| 652 | LAB-00287 | BMW-I.58 | b) - do - labour charges only | Each | 7.49 |
| 653 | MAT-02178 | BMW-I.59 | a) S& F 38.1 mm Brass union nuts | Each | 37.03 |
| 654 | LAB-00288 | BMW-I.60 | b) - do - labour charges only | Each | 10.7 |
| 655 | MAT-02179 | 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 | 467.636 |
| 656 | LAB-00289 | BMW-I.62 | b) - do - labour charges only | Each | 113.42 |
| 657 | MAT-02180 | BMW-I.63 | a) Constructing Brick masonry support for G.I pipe with C.M 304.8 x 228.6 x228.6 mm size includingplastering and finishing etc. complete. | Each | 76.176 |
| 658 | LAB-00290 | BMW-I.64 | b) - do - labour charges only | Each | 24.61 |
| 659 | MAT-02181 | BMW-I.65 | a) Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully taps | Each | 121.67 |
| 660 | LAB-00291 | BMW-I.66 | b) - do - labour charges only | Each | 39.59 |
| 661 | MAT-02182 | BMW-I.67 | a) Supplying & fixing CI Nahany trap grating | Each | 21.16 |
| 662 | LAB-00292 | BMW-I.68 | b) - do - labour charges only | Each | 12.84 |
| 663 | MAT-02183 | BMW-I.69 | a) Supplying & fixing CI gully trap grating | Each | 48.668 |
| 664 | LAB-00293 | BMW-I.70 | b) - do - labour charges only | Each | 12.84 |
| 665 | MAT-02184 | BMW-I.71 | a) Supplying & fixing valves for brass ball cocks 25.4 mm dia | Each | 19.044 |
| 666 | LAB-00294 | BMW-I.72 | b) - do - labour charges only | Each | 10.7 |
| 667 | MAT-02185 | BMW-I.73 | a) Supplying & fixing 12.7 m valve for bib tap or stop cocks | Each | 17.986 |
| 668 | LAB-00295 | BMW-I.74 | b) - do - labour charges only | Each | 7.49 |
| 669 | MAT-02186 | BMW-I.75 | a) Supplying & fixing 19.05 m valve for bib tap or stop cocks | Each | 39.146 |
| 670 | LAB-00296 | BMW-I.76 | b) - do - labour charges only | Each | 12.84 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|--------|------------------------------|
| 671 | MAT-02187 | BMW-I.77 | Removing 12.7 mm Gpipe and refixing the same | Mr. | 65.27 |
| 672 | MAT-02188 | BMW-I.78 | Removing 19.05 mm Gpipe and refixing the same | Mr. | 71.69 |
| 673 | MAT-02189 | BMW-I.79 | Removing 25.4 mm Gpipe and refixing the same | Mr. | 108.07 |
| 674 | MAT-02190 | BMW-I.80 | Removing 38.1 mm Gpipe and refixing the same | Rm | 135.89 |
| 675 | MAT-02191 | BMW-I.81 | Removing 50.8 mm Gpipe and refixing the same | Rm | 159.43 |
| 676 | MAT-02192 | BMW-I.82 | Cleaning the W.C with acid and Vim powder | Each | 43.87 |
| 677 | MAT-02193 | BMW-I.83 | Cleaning the Urinal with acid and Vim power | Each | 43.87 |
| 678 | MAT-02194 | BMW-I.84 | Cleaning the wash basin with acid and Vim powder | Each | 43.87 |
| 679 | MAT-02195 | BMW-I.85 | Cleaning theE.W.C with acid and Vim power | Each | 43.87 |
| 680 | MAT-02196 | BMW-I.86 | Supplying & fixing 914.4 x 457.2 mm CI man hole frame and cover (light weight) 30 Kgs | Each | 1920.27 |
| 681 | MAT-02197 | BMW-I.87 | Supplying & fixing 602 x 602 mm CI man hole frame and cover (light weight) 30 Kgs | Each | 2842.846 |
| 682 | LAB-00297 | BMW-I.88 | b) - do - labour charges only | Each | 158.36 |
| 683 | MAT-02198 | BMW-I.89 | a) Supplying & fixing CI steps for septic tank. | Each | 63.48 |
| 684 | LAB-00298 | BMW-I.90 | b) - do - labour charges only | Each | 12.84 |
| 685 | MAT-02199 | BMW-I.91 | a) Supplying & fixing 50.8cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber (20 Kgs - Light weight) | Each | 1243.15 |
| 686 | LAB-00299 | BMW-I.92 | b) - do - labour charges only | Each | 158.36 |
| 687 | MAT-02200 | BMW-I.93 | a) Supplying & fixing 50.8cm dia C.I. Man hole frame & cover for 914.4 mm dia chamber(Medium weight) as per IS:1726 - 40 Kgs | Each | 2579.404 |
| 688 | LAB-00300 | BMW-I.94 | b) - do - labour charges only | Each | 403.39 |
| 689 | LAB-00301 | 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 | 1Sqm | 234.876 |
| 690 | MAT-02201 | BMW-I.96 | a) Cost. 50.8 mm RCC partition wall | 1Sqm | 263.442 |
| 691 | LAB-00302 | BMW-I.97 | b) - do - labour charges only | 1 Sqm | 50.29 |
| 692 | MAT-02202 | BMW-I.98 | a)S& F double layer of bamboo matting tarred on both sides. | 10 Sqm | 606.234 |
| 693 | LAB-00303 | BMW-I.99 | b) - do - labour charges only | 10 Sqm | 139.1 |
| 694 | MAT-02203 | BMW-I.100 | Removing of 101.6 m or 76.2 mm CI pipe | 1 RM | 34.24 |
| 695 | MAT-02204 | BMW-I.101 | a) Supplying & fixing 76.2 mm W.I clamps | Each | 25.392 |
| 696 | LAB-00304 | BMW-I.102 | b) - do - labour charges only | Each | 10.7 |
| 697 | MAT-02205 | BMW-I.103 | a) Supplying & fixing NP coat hook | Each | 45.494 |
| 698 | LAB-00305 | BMW-I.104 | b) - do - labour charges only | Each | 12.84 |
| 699 | MAT-02206 | BMW-I.105 | a) Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm | Each | 501.492 |
| 700 | LAB-00306 | BMW-I.106 | b) - do - labour charges only | Each | 131.61 |
| 701 | MAT-02207 | BMW-I.107 | a) Supplying & fixing GI pipe plug of size 12.7 mm dia | Each | 9.522 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic for 2022-23 (Rs.) | Rate SoR |
|--------|-----------|-----------|---|----------|-------------------------|----------|
| 702 | LAB-00307 | BMW-I.108 | b) - do - labour charges only | Each | 1 | |
| 703 | MAT-02208 | BMW-I.109 | a) Supplying & fixing 19.06 mm dia GI plug | Each | 14 | |
| 704 | LAB-00308 | BMW-I.110 | b) - do - labour charges only | Each | 1 | |
| 705 | MAT-02209 | BMW-I.111 | a) Supplying and fixing 38.1 mm dia of GI plug | Each | 69 | |
| 706 | LAB-00309 | BMW-I.112 | b) - do - labour charges only | Each | 11 | |
| 707 | MAT-02210 | BMW-I.113 | a) Supplying & fixing 50.8 mm dia of GI PLUG | Each | 106 | |
| 708 | LAB-00310 | BMW-I.114 | b) - do - labour charges only | Each | 13 | |
| 709 | MAT-02211 | BMW-I.115 | a) Supplying & fixing 76.2 mm dia of GI PLUG | Each | 190 | |
| 710 | LAB-00311 | BMW-I.116 | b) - do - labour charges only | Each | 21 | |
| 711 | MAT-02212 | BMW-I.117 | a) Supplying & fixing C.P flange. | Each | 25 | |
| 712 | LAB-00312 | BMW-I.118 | b) - do - labour charges only | Each | 9 | |
| 713 | MAT-02213 | BMW-I.119 | a) Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories | Each | 7175 | |
| 714 | LAB-00313 | BMW-I.120 | b) - do - labour charges only | Each | 574 | |
| 715 | MAT-02214 | 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 | 5655 | |
| 716 | LAB-00314 | BMW-I.122 | b) - do - labour charges only | Each | 556 | |
| 717 | MAT-02215 | BMW-I.123 | a) Supplying & fixing stainless steel sink size 20" x18" x 8 "(508x457.2x203.2mm) 1 mm thick with accessories | Each | 5142 | |
| 718 | MAT-02216 | BMW-I.124 | b) - do - labour charges only | Each | 509 | |
| 719 | MAT-02217 | BMW-I.125 | Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing. | Each | 522 | |
| 720 | MAT-02218 | 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 | 946 | |
| 721 | MAT-02219 | 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 | 5180 | |
| 722 | MAT-02220 | BMW-I.128 | Supply & fixing porcelain P' trap | Each | 223 | |
| 723 | MAT-02221 | BMW-I.129 | Supplying & fixing oval shape basin white (520x410mm)parry or equivalent | Each | 2371 | |
| 724 | MAT-02222 | BMW-I.130 | Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting | Each | 701 | |
| 725 | MAT-02223 | BMW-I.131 | Supply & fixing cp spl. Grating with frame and cover of 1st quality | Each | 60 | |
| 726 | MAT-02224 | BMW-I.132 | Supply & fixing towel rod (CP) of 24" long and 3/4 " dia | Each | 378 | |
| 727 | MAT-02225 | BMW-I.133 | Supply & fixing of LLC handle set 1stquality | Each | 75 | |
| 728 | MAT-02226 | BMW-I.134 | Mechanical Cleaning of water sumps with pumps & UV disinfecting | 1000 Lit | 52 | |
| 729 | MAT-02227 | BMW-I.135 | Supply & fixing 4" dia CP thimble pipe: 150 mm long | Each | 395 | |
| 730 | MAT-02228 | BMW-I.136 | Supply & fixing 4" dia CP thimble pipe:220 mm long | Each | 590 | |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 731 | MAT-02229 | BMW-I.137 | Supply & fixing 4" dia CP thimble pipe: 300 mm long | Each | 787 |
| 732 | MAT-02230 | BMW-I.138 | Supply & fixing CP long bend | Each | 333 |
| 733 | MAT-02231 | BMW-I.139 | Supply & fixing CP short bend | Each | 167 |
| 734 | MAT-02232 | BMW-I.140 | Supplying & fixing 15 mm bib tap with flange Chrome plated Jaquar make queen series | Each | 1644 |
| 735 | MAT-02233 | 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 | 4166 |
| 736 | MAT-02234 | 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 | 7006 |
| 737 | MAT-02235 | BMW-I.143 | Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 1727 |
| 738 | MAT-02236 | BMW-I.144 | Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold | Each | 2948 |
| 739 | MAT-02237 | BMW-I.145 | Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 1704 |
| 740 | MAT-02238 | BMW-I.146 | Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold | Each | 3300 |
| 741 | MAT-02239 | 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 | 383 |
| 742 | MAT-02240 | BMW-I.148 | Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated | Each | 1629 |
| 743 | MAT-02241 | BMW-I.149 | Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold | Each | 2754 |
| 744 | MAT-02242 | BMW-I.150 | Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated | Each | 400 |
| 745 | MAT-02243 | BMW-I.151 | Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Ivory gold | Each | 776 |
| 746 | MAT-02244 | 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 | 5265 |
| 747 | MAT-02245 | 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 | 8282 |
| 748 | MAT-02246 | 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 | 2443 |
| 749 | MAT-02247 | 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 | 3579 |
| 750 | MAT-02248 | 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 | 13953 |
| 751 | MAT-02249 | BMW-I.157 | Supply & fixing Bath tub overflow set complete with over | Each | 1699 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| | | | flow cap, 450 mm Ball chain with rubber plug & union bend with brass nut Jaquar make, Ivory gold colour. with 7 years warranty | | |
| 752 | MAT-02250 | BMW-I.158 | Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty | Each | 2441 |
| 753 | MAT-02251 | BMW-I.159 | Supply & fixingsoap dish Jaquar make queen series: with 7 years warranty:Chrome plated | Each | 1602 |
| 754 | MAT-02252 | BMW-I.160 | Supply & fixingsoap dish Jaquar make queen series: with 7 years warranty: Ivory Gold | Each | 2351 |
| 755 | MAT-02253 | BMW-I.161 | Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated | Each | 1291 |
| 756 | MAT-02254 | BMW-I.162 | Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold | Each | 2272 |
| 757 | MAT-02255 | BMW-I.163 | Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated | Each | 1214 |
| 758 | MAT-02256 | BMW-I.164 | Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold | Each | 1982 |
| 759 | MAT-02257 | BMW-I.165 | Supply & Fixingof towel coat hook Jaquar make Queen series with 7 years warranty:Chrome plated | Each | 902 |
| 760 | MAT-02258 | BMW-I.166 | Supply & Fixingof towel coat hook Jaquar make Queen series with 7 years warranty:Ivory Gold | Each | 1867 |
| 761 | MAT-02259 | BMW-I.167 | Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty | Each | 3097 |
| 762 | MAT-02260 | BMW-I.168 | Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty | Each | 2170 |
| 763 | MAT-02261 | BMW-I.169 | Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty | Each | 4232 |
| 764 | MAT-02262 | 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 | 3070 |
| 765 | MAT-02263 | BMW-I.171 | Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty | Each | 902 |
| 766 | MAT-02264 | BMW-I.172 | Supply & Fixing of Pillar cock Jaquar Continental series, Chrome Finish with 7 years warranty | Each | 1121 |
| 767 | MAT-02265 | BMW-I.173 | Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty | Each | 834 |
| 768 | MAT-02266 | BMW-I.174 | Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty | Each | 363 |
| 769 | MAT-02267 | BMW-I.175 | Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty | Each | 1629 |
| 770 | MAT-02268 | BMW-I.176 | Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty | Each | 363 |
| 771 | MAT-02269 | 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 | 3943 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 772 | MAT-02270 | 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 | 1684 |
| 773 | MAT-02271 | 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 | 5505 |
| 774 | MAT-02272 | 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 | 1285 |
| 775 | MAT-02273 | BMW-I.181 | Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty | Each | 1587 |
| 776 | MAT-02274 | BMW-I.182 | Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty | Each | 1249 |
| 777 | MAT-02275 | BMW-I.183 | Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 834 |
| 778 | MAT-02276 | BMW-I.184 | Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 960 |
| 779 | MAT-02277 | BMW-I.185 | Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 716 |
| 780 | MAT-02278 | BMW-I.186 | Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 1549 |
| 781 | MAT-02279 | BMW-I.187 | Supply & Fixing of Tumblerholder Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 1044 |
| 782 | MAT-02280 | BMW-I.188 | Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty | Each | 2054 |
| 783 | MAT-02281 | 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 | 3673 |
| 784 | MAT-02282 | BMW-I.190 | Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty | Each | 1239 |
| 785 | MAT-02283 | BMW-I.191 | Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty | Each | 1239 |
| 786 | MAT-02284 | BMW-I.192 | Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty | Each | 1219 |
| 787 | MAT-02285 | BMW-I.193 | Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty | Each | 1629 |
| 788 | MAT-02286 | 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 | 4758 |
| 789 | MAT-02287 | 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 | 7170 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 790 | MAT-02288 | 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 | 1900 |
| 791 | MAT-02289 | BMW-I.197 | Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty | Each | 2019 |
| 792 | MAT-02290 | BMW-I.198 | Supply & Fixing of Jaquar make chrome plated Metro pole flush valveconcealed type with cover plate 40mm size with 7 years warranty | Each | 3536 |
| 793 | MAT-02291 | BMW-I.199 | Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty | Each | 13887 |
| 794 | MAT-02292 | 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 | 13887 |
| 795 | MAT-02293 | BMW-I.201 | Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty | Each | 2301 |
| 796 | MAT-02294 | BMW-I.202 | Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty | Each | 2413 |
| 797 | MAT-02295 | BMW-I.203 | ITEM DELETED | | |
| 798 | MAT-02296 | BMW-I.204 | ITEM DELETED | | |
| 799 | MAT-02297 | BMW-I.205 | ITEM DELETED | | |
| 800 | MAT-02298 | BMW-I.206 | ITEM DELETED | | |
| 801 | MAT-02299 | BMW-I.207 | ITEM DELETED | | |
| 802 | MAT-02300 | BMW-I.208 | ITEM DELETED | | |
| 803 | MAT-02301 | BMW-I.209 | ITEM DELETED | | |
| 804 | MAT-02302 | BMW-I.210 | ITEM DELETED | | |
| 805 | MAT-02303 | BMW-I.211 | ITEM DELETED | | |
| 806 | MAT-02304 | BMW-I.212 | ITEM DELETED | | |
| 807 | MAT-02305 | BMW-I.213 | ITEM DELETED | | |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 808 | MAT-02306 | BMW-I.214 | ITEM DELETED | | |
| 809 | MAT-02307 | 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 | 175 |
| 810 | MAT-02308 | 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 | 206 |
| 811 | MAT-02309 | 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 | 251 |
| 812 | MAT-02310 | 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 | 324 |
| 813 | MAT-02311 | 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 | 415 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| | | | 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" 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 | MAT-02312 | BMW-I.220 | 15.90mm OD Pipe - SDR 13.5 | 1 RM | 59 |
| 815 | MAT-02313 | BMW-I.221 | 22.20mm OD Pipe - SDR 13.5 | 1 RM | 94 |
| 816 | MAT-02314 | BMW-I.222 | 28.60mm OD Pipe - SDR 13.5 | 1 RM | 136 |
| 817 | MAT-02315 | BMW-I.223 | 34.90mm OD Pipe - SDR 13.5 | 1 RM | 214 |
| 818 | MAT-02316 | BMW-I.224 | 41.30mm OD Pipe - SDR 13.5 | 1 RM | 295 |
| 819 | MAT-02317 | BMW-I.225 | 54mm OD Pipe - SDR 13.5 | 1 RM | 485 |
| 820 | MAT-02318 | BMW-I.226 | 15.90mm OD Pipe - SDR 11 | 1 RM | 68 |
| 821 | MAT-02319 | BMW-I.227 | 22.20mm OD Pipe - SDR 11 | 1 RM | 103 |
| 822 | MAT-02320 | BMW-I.228 | 28.60mm OD Pipe - SDR 11 | 1 RM | 160 |
| 823 | MAT-02321 | BMW-I.229 | 34.90mm OD Pipe - SDR 11 | 1 RM | 254 |
| 824 | MAT-02322 | BMW-I.230 | 41.30mm OD Pipe - SDR 11 | 1 RM | 348 |
| 825 | MAT-02323 | BMW-I.231 | 54mm OD Pipe - SDR 11 | 1 RM | 535 |
| 826 | MAT-02324 | BMW-I.232 | Supply of 20mm x 1.9mm PN 10/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801 | 1 RM | 45 |
| 827 | MAT-02325 | BMW-I.233 | Supply of 25mm x 2.3mm PN 10/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801 | 1 RM | 67 |
| 828 | MAT-02326 | BMW-I.234 | Supply of 32mm x 2.9mm PN 10/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801 | 1 RM | 106 |
| 829 | MAT-02327 | BMW-I.235 | Supply of 40mm x 3.7mm PN 10/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801 | 1 RM | 166 |
| 830 | MAT-02328 | BMW-I.236 | Supply of 50mm x 4.6mm PN 10/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801 | 1 RM | 297 |
| 831 | MAT-02329 | BMW-I.237 | Supply of 63mm x 5.8mm PN 10/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801 | 1 RM | 466 |
| 832 | MAT-02330 | BMW-I.238 | Supply of 75mm x 6.8mm PN 10/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801 | 1 RM | 649 |
| 833 | MAT-02331 | BMW-I.239 | Supply of 90mm x 8.2mm PN 10/PPR Pipe conforming to DIN Standards 8077/8083 conforming to IS15801 | 1 RM | 890 |
| 834 | MAT-02332 | BMW-I.240 | Supply of 110mm x 10mm PN 10/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801 | 1 RM | 1319 |
| 835 | MAT-02333 | BMW-I.241 | Supply of 20mm x 2.8mm PN 16/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801 | 1 RM | 61 |
| 836 | MAT-02334 | BMW-I.242 | Supply of 25mm x 3.5mm PN 16/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801 | 1 RM | 93 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 837 | MAT-02335 | BMW-I.243 | Supply of 32mm x 4.4mm PN 16/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801 | 1 RM | 151 |
| 838 | MAT-02336 | BMW-I.244 | Supply of 40mm x 5.5mm PN 16/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801 | 1 RM | 231 |
| 839 | MAT-02337 | BMW-I.245 | Supply of 50mm x 6.9mm PN 16/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801 | 1 RM | 415 |
| 840 | MAT-02338 | BMW-I.246 | Supply of 63mm x 8.6mm PN 16/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801 | 1 RM | 654 |
| 841 | MAT-02339 | BMW-I.247 | Supply of 75mm x 10.3mm PN 16/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801 | 1 RM | 924 |
| 842 | MAT-02340 | BMW-I.248 | Supply of 90mm x 12.3mm PN 16/PPR Pipe conforming to DIN Standards 8077/8083 conforming to IS15801 | 1 RM | 1317 |
| 843 | MAT-02341 | BMW-I.249 | Supply of 110mm x 15.1mm PN 16/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801 | 1 RM | 1973 |
| 844 | MAT-02342 | BMW-I.250 | Supply of 20mm x 3.4mm PN 20/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801 | 1 RM | 71 |
| 845 | MAT-02343 | BMW-I.251 | Supply of 25mm x 4.2mm PN 20/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801 | 1 RM | 109 |
| 846 | MAT-02344 | BMW-I.252 | Supply of 32mm x 5.4mm PN 20/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801 | 1 RM | 175 |
| 847 | MAT-02345 | BMW-I.253 | Supply of 40mm x 6.7mm PN 20/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801 | 1 RM | 270 |
| 848 | MAT-02346 | BMW-I.254 | Supply of 50mm x 8.3mm PN 20/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801 | 1 RM | 480 |
| 849 | MAT-02347 | BMW-I.255 | Supply of 63mm x 10.5mm PN 20/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801 | 1 RM | 757 |
| 850 | MAT-02348 | BMW-I.256 | Supply of 75mm x 12.5mm PN 20/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801 | 1 RM | 1074 |
| 851 | MAT-02349 | BMW-I.257 | Supply of 90mm x 15mm PN 20/PPR Pipe conforming to DIN Standards 8077/8083 | 1 RM | 1460 |
| 852 | MAT-02350 | BMW-I.258 | Supply of 110mm x 18.3mm PN 20/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801 | 1 RM | 2298 |
| 853 | MAT-02351 | BMW-I.259 | Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084 | 1 RM | 9 |
| 854 | MAT-02352 | BMW-I.260 | Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085 | 1 RM | 15 |
| 855 | MAT-02353 | BMW-I.261 | Supply of 32mm PPR Socket conforming to DIN Standards 8077/8086 | 1 RM | 20 |
| 856 | MAT-02354 | BMW-I.262 | Supply of 40mm PPR Socket conforming to DIN Standards 8077/8087 | 1 RM | 33 |
| 857 | MAT-02355 | BMW-I.263 | Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088 | 1 RM | 64 |
| 858 | MAT-02356 | BMW-I.264 | Supply of 63mm PPR Socket conforming to DIN Standards 8077/8089 | 1 RM | 124 |
| 859 | MAT-02357 | BMW-I.265 | Supply of 75mm PPR Socket conforming to DIN Standards 8077/8090 | 1 RM | 189 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 860 | MAT-02358 | BMW-I.266 | Supply of 90mm PPR Socket conforming to DIN Standards 8077/8091 | 1 RM | 361 |
| 861 | MAT-02359 | BMW-I.267 | Supply of 110mm PPR Socket conforming to DIN Standards 8077/8092 | 1 RM | 644 |
| 862 | MAT-02360 | BMW-I.268 | Supply of 32mm PPR Core Flange conforming to DIN Standards 8077/8086 | Each | 39 |
| 863 | MAT-02361 | BMW-I.269 | Supply of 40mm PPR Core Flange conforming to DIN Standards 8077/8087 | Each | 62 |
| 864 | MAT-02362 | BMW-I.270 | Supply of 50mm PPR Core Flange conforming to DIN Standards 8077/8088 | Each | 81 |
| 865 | MAT-02363 | BMW-I.271 | Supply of 63mm PPR Core Flange conforming to DIN Standards 8077/8089 | Each | 128 |
| 866 | MAT-02364 | BMW-I.272 | Supply of 75mm PPR Core Flange conforming to DIN Standards 8077/8090 | Each | 148 |
| 867 | MAT-02365 | BMW-I.273 | Supply of 90mm PPR Core Flange conforming to DIN Standards 8077/8091 | Each | 380 |
| 868 | MAT-02366 | BMW-I.274 | Supply of 110mm PPR Core Flange conforming to DIN Standards 8077/8092 | Each | 491 |
| 869 | MAT-02367 | BMW-I.275 | Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084 | Each | 17 |
| 870 | MAT-02368 | BMW-I.276 | Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085 | Each | 21 |
| 871 | MAT-02369 | BMW-I.277 | Supply of 32mm PPR Elbow conforming to DIN Standards 8077/8086 | Each | 39 |
| 872 | MAT-02370 | BMW-I.278 | Supply of 40mm PPR Elbow conforming to DIN Standards 8077/8087 | Each | 69 |
| 873 | MAT-02371 | BMW-I.279 | Supply of 50mm PPR Elbow conforming to DIN Standards 8077/8088 | Each | 130 |
| 874 | MAT-02372 | BMW-I.280 | Supply of 63mm PPR Elbow conforming to DIN Standards 8077/8089 | Each | 253 |
| 875 | MAT-02373 | BMW-I.281 | Supply of 75mm PPR Elbow conforming to DIN Standards 8077/8090 | Each | 410 |
| 876 | MAT-02374 | BMW-I.282 | Supply of 90mm PPR Elbow conforming to DIN Standards 8077/8091 | Each | 762 |
| 877 | MAT-02375 | BMW-I.283 | Supply of 110mm PPR Elbow conforming to DIN Standards 8077/8092 | Each | 1414 |
| 878 | MAT-02376 | BMW-I.284 | Supply of 20mm PPR Tee conforming to DIN Standards 8077/8084 | Each | 16 |
| 879 | MAT-02377 | BMW-I.285 | Supply of 25mm PPR Tee conforming to DIN Standards 8077/8085 | Each | 26 |
| 880 | MAT-02378 | BMW-I.286 | Supply of 32mm PPR Tee conforming to DIN Standards 8077/8086 | Each | 47 |
| 881 | MAT-02379 | BMW-I.287 | Supply of 40mm PPR Tee conforming to DIN Standards 8077/8087 | Each | 83 |
| 882 | MAT-02380 | BMW-I.288 | Supply of 50mm PPR Tee conforming to DIN Standards 8077/8088 | Each | 147 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 883 | MAT-02381 | BMW-I.289 | Supply of 63mm PPR Tee conforming to DIN Standards 8077/8089 | Each | 300 |
| 884 | MAT-02382 | BMW-I.290 | Supply of 75mm PPR Tee conforming to DIN Standards 8077/8090 | Each | 588 |
| 885 | MAT-02383 | BMW-I.291 | Supply of 90mm PPR Tee conforming to DIN Standards 8077/8091 | Each | 853 |
| 886 | MAT-02384 | BMW-I.292 | Supply of 110mm PPR Tee conforming to DIN Standards 8077/8092 | Each | 1477 |
| 887 | MAT-02385 | BMW-I.293 | Supply of 20mm PPR End Cap conforming to DIN Standards 8077/8084 | Each | 6 |
| 888 | MAT-02386 | BMW-I.294 | Supply of 25mm PPR End Cap conforming to DIN Standards 8077/8085 | Each | 9 |
| 889 | MAT-02387 | BMW-I.295 | Supply of 32mm PPR End Cap conforming to DIN Standards 8077/8086 | Each | 20 |
| 890 | MAT-02388 | BMW-I.296 | Supply of 40mm PPR End Cap conforming to DIN Standards 8077/8087 | Each | 33 |
| 891 | MAT-02389 | BMW-I.297 | Supply of 50mm PPR End Cap conforming to DIN Standards 8077/8088 | Each | 58 |
| 892 | MAT-02390 | BMW-I.298 | Supply of 63mm PPR End Cap conforming to DIN Standards 8077/8089 | Each | 124 |
| 893 | MAT-02391 | BMW-I.299 | Supply of 75mm PPR End Cap conforming to DIN Standards 8077/8090 | Each | 208 |
| 894 | MAT-02392 | BMW-I.300 | Supply of 90mm PPR End Cap conforming to DIN Standards 8077/8091 | Each | 331 |
| 895 | MAT-02393 | BMW-I.301 | Supply of 110mm PPR End Cap conforming to DIN Standards 8077/8092 | Each | 654 |
| 896 | MAT-02394 | BMW-I.302 | Supply of 25mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 12 |
| 897 | MAT-02395 | BMW-I.303 | Supply of 32mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 21 |
| 898 | MAT-02396 | BMW-I.304 | Supply of 32mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 20 |
| 899 | MAT-02397 | BMW-I.305 | Supply of 40mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 34 |
| 900 | MAT-02398 | BMW-I.306 | Supply of 40mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 33 |
| 901 | MAT-02399 | BMW-I.307 | Supply of 40mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 33 |
| 902 | MAT-02400 | BMW-I.308 | Supply of 50mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 50 |
| 903 | MAT-02401 | BMW-I.309 | Supply of 50mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 51 |
| 904 | MAT-02402 | BMW-I.310 | Supply of 50mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 51 |
| 905 | MAT-02403 | BMW-I.311 | Supply of 50mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 53 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 906 | MAT-02404 | BMW-I.312 | Supply of 63mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 114 |
| 907 | MAT-02405 | BMW-I.313 | Supply of 63mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 114 |
| 908 | MAT-02406 | BMW-I.314 | Supply of 63mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 116 |
| 909 | MAT-02407 | BMW-I.315 | Supply of 63mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 117 |
| 910 | MAT-02408 | BMW-I.316 | Supply of 63mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 118 |
| 911 | MAT-02409 | BMW-I.317 | Supply of 75mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 170 |
| 912 | MAT-02410 | BMW-I.318 | Supply of 75mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 171 |
| 913 | MAT-02411 | BMW-I.319 | Supply of 75mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 217 |
| 914 | MAT-02412 | BMW-I.320 | Supply of 90mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 415 |
| 915 | MAT-02413 | BMW-I.321 | Supply of 90mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 440 |
| 916 | MAT-02414 | BMW-I.322 | Supply of 110mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 554 |
| 917 | MAT-02415 | BMW-I.323 | Supply of 110mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 646 |
| 918 | MAT-02416 | BMW-I.324 | Supply of 110mm x 90mm PPR Reducer conforming to DIN Standards 8077/8092 | Each | 695 |
| 919 | MAT-02417 | BMW-I.325 | Supply of 25mm x 20mm x 25mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 33 |
| 920 | MAT-02418 | BMW-I.326 | Supply of 32mm x 25mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 57 |
| 921 | MAT-02419 | BMW-I.327 | Supply of 32mm x 20mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 57 |
| 922 | MAT-02420 | BMW-I.328 | Supply of 40mm x 20mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 93 |
| 923 | MAT-02421 | BMW-I.329 | Supply of 40mm x 25mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 95 |
| 924 | MAT-02422 | BMW-I.330 | Supply of 40mm x 32mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 98 |
| 925 | MAT-02423 | BMW-I.331 | Supply of 50mm x 20mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 135 |
| 926 | MAT-02424 | BMW-I.332 | Supply of 50mm x 25mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 137 |
| 927 | MAT-02425 | BMW-I.333 | Supply of 50mm x 32mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 141 |
| 928 | MAT-02426 | BMW-I.334 | Supply of 50mm x 40mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 142 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 929 | MAT-02427 | BMW-I.335 | Supply of 63mm x 20mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 391 |
| 930 | MAT-02428 | BMW-I.336 | Supply of 63mm x 25mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 393 |
| 931 | MAT-02429 | BMW-I.337 | Supply of 63mm x 32mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 399 |
| 932 | MAT-02430 | BMW-I.338 | Supply of 63mm x 40mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 405 |
| 933 | MAT-02431 | BMW-I.339 | Supply of 63mm x 50mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 412 |
| 934 | MAT-02432 | BMW-I.340 | Supply of 75mm x 50mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 552 |
| 935 | MAT-02433 | BMW-I.341 | Supply of 75mm x 63mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 562 |
| 936 | MAT-02434 | BMW-I.342 | Supply of 90mm x 50mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 743 |
| 937 | MAT-02435 | BMW-I.343 | Supply of 90mm x 63mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 791 |
| 938 | MAT-02436 | BMW-I.344 | Supply of 110mm x 75mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 1348 |
| 939 | MAT-02437 | BMW-I.345 | Supply of 110mm x 90mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092 | Each | 1402 |
| 940 | MAT-02438 | BMW-I.346 | Supply of 20mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 104 |
| 941 | MAT-02439 | BMW-I.347 | Supply of 25mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 106 |
| 942 | MAT-02440 | BMW-I.348 | Supply of 25mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 186 |
| 943 | MAT-02441 | BMW-I.349 | Supply of 32mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 190 |
| 944 | MAT-02442 | BMW-I.350 | Supply of 32mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 195 |
| 945 | MAT-02443 | BMW-I.351 | Supply of 32mm x 1" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 302 |
| 946 | MAT-02444 | BMW-I.352 | Supply of 40mm x 1¼" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 447 |
| 947 | MAT-02445 | BMW-I.353 | Supply of 50mm x 1½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 625 |
| 948 | MAT-02446 | BMW-I.354 | Supply of 63mm x 2" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 831 |
| 949 | MAT-02447 | BMW-I.355 | Supply of 75mm x 2½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 1602 |
| 950 | MAT-02448 | BMW-I.356 | Supply of 20mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 161 |
| 951 | MAT-02449 | BMW-I.357 | Supply of 25mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 166 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 952 | MAT-02450 | BMW-I.358 | Supply of 25mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 243 |
| 953 | MAT-02451 | BMW-I.359 | Supply of 32mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 253 |
| 954 | MAT-02452 | BMW-I.360 | Supply of 32mm x 1" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 470 |
| 955 | MAT-02453 | BMW-I.361 | Supply of 40mm x 1¼" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 551 |
| 956 | MAT-02454 | BMW-I.362 | Supply of 50mm x 1½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 771 |
| 957 | MAT-02455 | BMW-I.363 | Supply of 63mm x 2" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 1185 |
| 958 | MAT-02456 | BMW-I.364 | Supply of 75mm x 2½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092 | Each | 1896 |
| 959 | MAT-02457 | BMW-I.365 | Supply of 20mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 111 |
| 960 | MAT-02458 | BMW-I.366 | Supply of 25mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 116 |
| 961 | MAT-02459 | BMW-I.367 | Supply of 25mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 179 |
| 962 | MAT-02460 | BMW-I.368 | Supply of 32mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 171 |
| 963 | MAT-02461 | BMW-I.369 | Supply of 32mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 200 |
| 964 | MAT-02462 | BMW-I.370 | Supply of 32mm x 1" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 334 |
| 965 | MAT-02463 | BMW-I.371 | Supply of 20mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 166 |
| 966 | MAT-02464 | BMW-I.372 | Supply of 25mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 183 |
| 967 | MAT-02465 | BMW-I.373 | Supply of 25mm x ¾" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 242 |
| 968 | MAT-02466 | BMW-I.374 | Supply of 32mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 231 |
| 969 | MAT-02467 | BMW-I.375 | Supply of 32mm x 1" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092 | Each | 500 |
| 970 | MAT-02468 | BMW-I.376 | Supply of 20mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092 | Each | 107 |
| 971 | MAT-02469 | BMW-I.377 | Supply of 25mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092 | Each | 118 |
| 972 | MAT-02470 | BMW-I.378 | Supply of 25mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092 | Each | 195 |
| 973 | MAT-02471 | BMW-I.379 | Supply of 32mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092 | Each | 207 |
| 974 | MAT-02472 | BMW-I.380 | Supply of 32mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092 | Each | 231 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|---|------|------------------------------|
| 975 | MAT-02473 | BMW-I.381 | Supply of 32mm x 1" PPR Female Threaded Tee conforming to DIN Standards 8077/8092 | Each | 326 |
| 976 | MAT-02474 | BMW-I.382 | Supply of 20mm x 1/2" PPR Male Threaded Tee conforming to DIN Standards 8077/8092 | Each | 167 |
| 977 | MAT-02475 | BMW-I.383 | Supply of 25mm x 1/2" PPR Male Threaded Tee conforming to DIN Standards 8077/8092 | Each | 179 |
| 978 | MAT-02476 | BMW-I.384 | Supply of 25mm x 3/4" PPR Male Threaded Tee conforming to DIN Standards 8077/8092 | Each | 255 |
| 979 | MAT-02477 | BMW-I.385 | Supply of 32mm x 1/2" PPR Male Threaded Tee conforming to DIN Standards 8077/8092 | Each | 263 |
| 980 | MAT-02478 | BMW-I.386 | Supply of 32mm x 3/4" PPR Male Threaded Tee conforming to DIN Standards 8077/8092 | Each | 276 |
| 981 | MAT-02479 | BMW-I.387 | Supply of 32mm x 1" PPR Male Threaded Tee conforming to DIN Standards 8077/8092 | Each | 510 |
| 982 | MAT-02480 | BMW-I.388 | Supply of 20mm x 1/2" PPR Female Threaded Union conforming to DIN Standards 8077/8092 | Each | 431 |
| 983 | MAT-02481 | BMW-I.389 | Supply of 25mm x 3/4" PPR Female Threaded Union conforming to DIN Standards 8077/8092 | Each | 646 |
| 984 | MAT-02482 | BMW-I.390 | Supply of 32mm x 1" PPR Female Threaded Union conforming to DIN Standards 8077/8092 | Each | 862 |
| 985 | MAT-02483 | BMW-I.391 | Supply of 40mm x 1 1/4" PPR Female Threaded Union conforming to DIN Standards 8077/8092 | Each | 1208 |
| 986 | MAT-02484 | BMW-I.392 | Supply of 50mm x 1 1/2" PPR Female Threaded Union conforming to DIN Standards 8077/8092 | Each | 1940 |
| 987 | MAT-02485 | BMW-I.393 | Supply of 63mm x 2" PPR Female Threaded Union conforming to DIN Standards 8077/8092 | Each | 3082 |
| 988 | MAT-02486 | BMW-I.394 | Supply of 20mm x 1/2" PPR Male Threaded Union conforming to DIN Standards 8077/8092 | Each | 494 |
| 989 | MAT-02487 | BMW-I.395 | Supply of 25mm x 3/4" PPR Male Threaded Union conforming to DIN Standards 8077/8092 | Each | 656 |
| 990 | MAT-02488 | BMW-I.396 | Supply of 32mm x 1" PPR Male Threaded Union conforming to DIN Standards 8077/8092 | Each | 862 |
| 991 | MAT-02489 | BMW-I.397 | Supply of 40mm x 1 1/4" PPR Male Threaded Union conforming to DIN Standards 8077/8092 | Each | 1076 |
| 992 | MAT-02490 | BMW-I.398 | Supply of 50mm x 1 1/2" PPR Male Threaded Union conforming to DIN Standards 8077/8092 | Each | 2048 |
| 993 | MAT-02491 | BMW-I.399 | Supply of 63mm x 2" PPR Male Threaded Union conforming to DIN Standards 8077/8092 | Each | 3449 |
| 994 | MAT-02492 | BMW-I.400 | Supply of 20mm PPR Union conforming to DIN Standards 8077/8092 | Each | 93 |
| 995 | MAT-02493 | BMW-I.401 | Supply of 25mm PPR Union conforming to DIN Standards 8077/8092 | Each | 110 |
| 996 | MAT-02494 | BMW-I.402 | Supply of 32mm PPR Union conforming to DIN Standards 8077/8092 | Each | 182 |
| 997 | MAT-02495 | BMW-I.403 | Supply of 20mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 171 |

| Sl. No | CFMS Code | Item Code | Description of item | Unit | Basic Rate for 2022-23 (Rs.) |
|--------|-----------|-----------|--|------|------------------------------|
| 998 | MAT-02496 | BMW-I.404 | Supply of 25mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 215 |
| 999 | MAT-02497 | BMW-I.405 | Supply of 32mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 227 |
| 1000 | MAT-02498 | BMW-I.406 | Supply of 40mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 463 |
| 1001 | MAT-02499 | BMW-I.407 | Supply of 50mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 540 |
| 1002 | MAT-02500 | BMW-I.408 | Supply of 63mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 874 |
| 1003 | MAT-02501 | BMW-I.409 | Supply of 75mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 1437 |
| 1004 | MAT-02502 | BMW-I.410 | Supply of 90mm PPR Ball Valve conforming to DIN Standards 8077/8092 | Each | 2054 |
| 1005 | MAT-02503 | BMW-I.411 | Supply of 20mm PPR Clamp conforming to DIN Standards 8077/8092 | Each | 9 |
| 1006 | MAT-02504 | BMW-I.412 | Supply of 25mm PPR Clamp conforming to DIN Standards 8077/8092 | Each | 12 |
| 1007 | MAT-02505 | BMW-I.413 | Supply of 32mm PPR Clamp conforming to DIN Standards 8077/8092 | Each | 15 |
| 1008 | MAT-02506 | BMW-I.414 | Supply of 40mm PPR Clamp conforming to DIN Standards 8077/8092 | Each | 16 |
| 1009 | LAB-00315 | 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 | 33 |
| 1010 | LAB-00316 | 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 | 56 |
| | | | Supply and fixing of UPVC Pipes and Fittings SCH-40 Grade to meet the requirement of ASTM-D 2846 for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labor charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels. | | |
| | | BMW-I.417 | 65 mm OD Pipe | 1 RM | 807 |
| | | BMW-I.418 | 80 mm OD Pipe | 1 RM | 966 |
| | | BMW-I.419 | 100 mm OD Pipe | 1 RM | 1051 |

| | | | | | |
|--|--|-----------|----------------|------|------|
| | | BMW-I.420 | 125 mm OD Pipe | 1 RM | 1236 |
| | | BMW-I.421 | 150 mm OD Pipe | 1 RM | 1420 |

List of Recommended brands/Manufacturers for guidance of field engineers :-

NOTE :

The above list of popular/reputed brands are recommended for guidance. The concerned Engineer shall from time to time ensure their approvals with respect to quality approvals from standard institutions and use in the estimate of the works. The Engineer can exercise his/her discretion in selection while using other than above listed brands on satisfaction of their eligibility with respect to ISI or such standard institutional approvals, durability and record/reputation of that product.

| Sl. No | SECTION | NAMES OF THE RECOMMENDED BRAND/ MANUFACTURER/ SUPPLIER |
|----------|----------------|--|
| A | SECTION | S.W.G. PIPES & FITTINGS |
| | | (Landing cost - including material VAT/ loading/ cost of conveyance/ unloading & stacking) |
| | | 1. SUPPLY & LAYING OF SWG PIPES - Any ISI Brand 2. S.W.G. FITTINGS - Any ISI Brand |
| D | SECTION | VITREOUS CHINAWARE - SANITARY APPLIANCES |
| | | 1. INDIAN WATER CLOSETS - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA/Jaquar / Somany, Watertec, Kerovit by Kajaria, Prayag Polymers, UNISPACE, RAK ceramics, , JAL (Jupiter Aqua lines ltd) 2. FLOOR MOUNTED EWC - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA/Jaquar / Somany, Watertec, Kerovit by Kajaria, Prayag Polymers, UNISPACE, , JAL (Jupiter Aqua lines ltd) 3. WALL MOUNTED EWC - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA /Jaquar/ Somany, Watertec, Kerovit by Kajaria, Prayag Polymers,UNISPACE, RAK ceramics, , JAL (Jupiter Aqua lines ltd) 4. CISTERNS FOR WATER CLOSETS - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA /Jaquar / Somany, Watertec, Kerovit by Kajaria, Prayag Polymers, UNISPACE, RAK ceramics, , Jupiter Aqua lines ltd 5. PLASTIC SEATS FOR WATER CLOSETS - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA /Jaquar / Somany, Watertec, Kerovit by Kajaria, Prayag Polymers,UNISPACE, RAK ceramics, , JAL (Jupiter Aqua lines ltd) 6. WASH HAND BASINS - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA /Jaquar / Somany, Watertec, Kerovit by Kajaria/ DEC Industries PVT LTD, Prayag Polymers,UNISPACE, RAK ceramics, , JAL (Jupiter Aqua lines ltd) 7. URINALS - Hindustan Sanitary ware/ Parryware/ Neycer/ CERA /Jaquar / Somany, Naturesani, Watertec, Kerovit by Kajaria, Prayag Polymers,UNISPACE, RAK ceramics, , JAL (Jupiter Aqua lines ltd) |
| E | SECTION | CP FITTINGS - TAPS/ FAUCETS & ACCESSORIES |
| | | 1. TAPS&FAUCETS - BIB TAPS - Seiko/ Senior/ Nice/ Senior/ Nice/ CERA/ Hindware RAK ceramics, , JAL (Jupiter Aqua lines ltd)- PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco / Somany/Kingston/Prayag Polymer/KUNCHAL (Aluminium Udyog)/M/s Sumo Polyplast Pvt. Ltd (Sumolex), Watertec, Ambani, Kerovit by Kajaria, Austro,/ ESS ESS/ BATHSENSE/ ROYALE, RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd) 2. XTAPS&FAUCETS - PILLAR TAPS - Seiko/ Senior/ Nice/ Senior/ Nice/ CERA/ Hindware- RAK ceramics, , JAL (Jupiter Aqua lines ltd)ltd PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco / Somany/ Kingston/Prayag Polymer/ KUNCHAL (Aluminium Udyog)/ M/s Sumo Polyplast Pvt. Ltd (Sumolex), Watertec, Ambani, Kerovit by Kajaria, Austro/ ESS ESS/ BATHSENSE/ ROYALE RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd) 3. XTAPS&FAUCETS - OTHER TAPS & SPOUTS - Seiko/ Senior/ Nice/ Senior/ Nice/CERA/ Hindware RAK ceramics, , JAL (Jupiter Aqua lines ltd)- PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco |

| Sl. No | SECTION | NAMES OF THE RECOMMENDED BRAND/ MANUFACTURER/ SUPPLIER |
|----------|----------------|---|
| | | <p>/Somany/ Kingston/Prayag Polymer/ KUNCHAL (Aluminium Udyog)/ M/s Sumo Polyplast Pvt. Ltd (Sumolex) Watertec, Ambani, Kerovit by Kajaria, Austro/ ESS ESS / BATHSENSE/ ROYALE RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd)</p> <p>4. XSTOP & ANGLE VALVES - Seiko/ Senior/ Nice/ Senior/ Nice/ CERA/ Hindware - RAK ceramics, , JAL (Jupiter Aqua lines ltd)PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco / Somany/ Kingston/Prayag Polymer/ KUNCHAL (Aluminium Udyog), Watertec, Ambani, Kerovit by Kajaria, Austro/ ESS ESS/ BATHSENSE/ ROYALE, RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd)</p> <p>5. COMBINATION FAUCETS - Seiko/ Senior/ Nice/ Senior/ Nice/ CERA/ Hindware - RAK ceramics, , JAL (Jupiter Aqua lines ltd)PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco / Somany/ Kingston/Prayag Polymer/ KUNCHAL (Aluminium Udyog) Watertec, Ambani, Kerovit by Kajaria, Austro / ESS ESS/ BATHSENSE/ ROYALE, RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd)</p> <p>6. SHOWERS & FITTINGS - Seiko/ Senior/ Nice/ Senior/ Nice/ CERA/ Hindware - RAK ceramics, , JAL (Jupiter Aqua lines ltd)PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco / Somany/ Kingston/Prayag Polymer/ KUNCHAL (Aluminium Udyog), Watertec, Ambani, Kerovit by Kajaria, Austro / ESS ESS/ BATHSENSE/ ROYALE, RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd)</p> <p>7. MISCELLANEOUS CP FITTINGS - Seiko/ Senior/ Nice/ Senior/ Nice/ CERA/ Hindware RAK ceramics, JAL (Jupiter Aqua lines ltd)- PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson, Karla / Essco / Somany/ Kingston/Prayag Polymer/ KUNCHAL (Aluminium Udyog), Watertec, Ambani, Kerovit by Kajaria, Austro / ESS ESS/ BATHSENSE/ ROYALE, RAK ceramics,CERA, , JAL (Jupiter Aqua lines ltd)</p> |
| F | SECTION | G.I. PIPES & FITTINGS |
| | | <ol style="list-style-type: none"> G.I. PIPES - Tata/ JSW/ Oswal/ Zenith, PRECISION pipes & fittings G.I. FITTINGS - HB / Kirti/ R-Brand, PRECISION pipes & fittings BRONZE (COPPER ALLOY) VALVES - Zoloto/ R-Brand |
| G | SECTION | PVC PIPES & FITTINGS |
| | | <ol style="list-style-type: none"> PVC PIPES - Prince/Sudhakar/Kisan/Supreme/ Astral/ Finolex/ Ajay/ Ashirvad/Birla Aerocon/Trueflow by Hindware/Prayag Polymer, Watertec, Austro, Nandi/ APOLLO PIPES LTD / DEC Industries PVT LTD, SENTINI Flo pipes, PRECISION pipes & fittings, AKG Extrusions, Hindpipes /Hindplast , Chem fab alkalis limited, JAL (Jupiter Aqua lines ltd) PVC FITTINGS- Prince/Sudhakar/Kisan/Supreme/ Astral/ Finolex/ Ajay/ Ashirvad/ Birla Aerocon/ Trueflow by Hindware/Prayag Polymer, Watertec, Austro, Nandi/ APOLLO PIPES LTD / DEC Industries PVT LTD , PRECISION pipes& fittings, Sentini flo pipes and fittings, AKG Extrusions , Hind pipes /Hind Plast, , JAL (Jupiter Aqua lines ltd) PVC PLUMBING ACCESSORIES - Prince/Sudhakar/Kisan/Supreme/ Astral/ Finolex/ Ajay/ Ashirvad/ Birla Aerocon/ Trueflow by Hindware, Watertec, Austro, Nandi/ APOLLO PIPES LTD , PRECISION pipes & fittings, Sentini flo pipes , AKG Extrusions, Hind pipes /Hind plast, , JAL (Jupiter Aqua lines ltd) LLDPE ROTO water Tanks - Sintex, Aquatech, Nandi, Hind pipes and Hind plast, HIPPO+, Sudhakar irrigation systems, JAL (Jupiter Aqua lines ltd) PVC - LLC Cisterns - Parryware/ Slimlines/ CERA/ Hindware/Prayag Polymer/ APOLLO PIPES LTD, , JAL (Jupiter Aqua lines ltd) |
| H | SECTION | CENTRIFUGAL CI PIPES & FITTINGS - IS : 1729 |
| | | <ol style="list-style-type: none"> SUPPLY & LAYING OF CAST IRON PIPES - BIC/ NECO/ Jayaswal Neco SUPPLYING & LAYING OF C.I. FITTINGS - BIC/ NECO/ Jayaswal Neco |
| I | SECTION | MISCELLANEOUS ITEMS |
| | | <ol style="list-style-type: none"> POLYETHYLENE-ALUMINIUM-POLYETHYLENE COMPOSITE PIPES - Kitec/ Kisan/ Uniflex/M/s Sumolex Polyplast Pvt. Ltd/ APOLLO PIPES LTD CPVC PIPES - Supreme/ Ashirvad/ Astral/ Prince / Kisan / Ajay/Birla Aerocon/ Hindware Trueflo/Sudhakar/Prayag Polymer/ M/s Sumolex Polyplast Pvt. Ltd, Watertec, Ambani, Austro, Nandi/ DEC Industries PVT LTD, Sentini flo pipes, AKG Extrusions Pvt Ltd , Hind pipes and Hind plast HIPPO+ |

| Sl. No | SECTION | NAMES OF THE RECOMMENDED BRAND/ MANUFACTURER/ SUPPLIER |
|--------|---------|--|
| | | <ol style="list-style-type: none">3. PPR PIPES - Supreme/ Ashirvad/ Astral/ Prince/ Kisan / SFMC / KPT/ M/s Sumolex Polyplast Pvt. Ltd, Hind pipes and Hind plast,HIPPO+4. Steel sinks: M/s Futura kitchen sinks Pvt Ltd , JAL (Jupiter Aqua lines ltd)5. KITCHEN SANITARY AND SPA ITEMS FOR VIP BUILDINGS: UNISPACE, JAL (Jupiter Aqua lines ltd) |



Andhra Pradesh Government

SCHEDULE OF RATES

ELECTRICAL AND ELECTRO-MECHANICAL WORKS

**PART III -BUILDINGS
FOR THE YEAR
2022-23**

PREAMBLE FOR ELECTRICAL WORKS

1. Contractor profit and over Head Charges @ 13.615% as mentioned in the Preamble for Buildings SOR 2022-23 (Civil & Electrical) is applicable to all items of Electrical works.
2. Municipal Area Allowance, Agency or Tribal area allowance or any such allowance on the labour components is applicable to Electrical works as per the Preamble for Buildings SOR 2022-23
3. The contractor is solely responsible for both quality and quantity.
4. 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.
5. 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
6. 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.
7. The rates for common civil items including labour rates have to be adopted from prevailing SOR.
8. The rates for all types of electrical items proposed in SOR are exclusive of GST (basic rates).
9. The rates for other items (Not covered in SoR) 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 certain items are not incorporated in the SOR. However, relevant data without rates is provided in the standard datas for electrical works.
10. In case of any addition/alteration/rectification to the proposed SOR, the approval has to be obtained from the Chief Engineer R&B Electrical. Temporary approvals for materials which are under relevant specifications of the BIS / IEC and BEE star ratings can be given by the Chief Engineer (R&B) Electrical.
11. 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.
12. 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.
13. As per GO Ms No.51 Industries and commerce (MSME) Dept Dt:01.06.2010, all the indenting departments / Agents should give preference to local MSME which are manufacturing quality products having ISO 9001 – 2000, GEM, BIS certification

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SCHEDULED RATES FOR ELECTRICAL & ELECTRO MECHANICAL ITEMS SOR 2022-23

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | SECTION - 1 | | |
| | | 1.1 | M.S. CONDUIT PIPES | | |
| 1 | | ELEC-1.1.1 | Supply of ISI, outer dia,..... thickness MS conduit pipe as per IS-9537 Part II . Makes : As per list of recommended brands | | |
| | MAT-02621 | a | 20 mm (1.6 mm thick) | 1 RM | 107 |
| | MAT-02622 | b | 25 mm (1.6 mm thick) | 1 RM | 138 |
| | MAT-02623 | c | 32 mm (1.6 mm thick) | 1 RM | 197 |
| | MAT-02624 | d | 38 mm (2.0 mm thick) | 1 RM | 322 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02625 | e | 50 mm (2.0 mm thick) | 1 RM | 412 |
| 2 | | ELEC-1.1.2 | Supply of MS Junction box normal range big size long neck. | | |
| | MAT-02626 | a | 19/20 mm | 1 No | 30 |
| | MAT-02627 | b | 25 mm | 1 No | 36 |
| | MAT-02628 | c | 32 mm | 1 No | 83 |
| | MAT-02629 | d | 40/38 mm | 1 No | 119 |
| | MAT-02630 | e | 50 mm | 1 No | 227 |
| 3 | | ELEC-1.1.3 | Supply of .....MS Junction deep box. | | |
| | MAT-02631 | a | 20/25 mm | 1 No | 78 |
| | MAT-02632 | b | 32 mm | 1 No | 138 |
| | MAT-02633 | c | 40 mm | 1 No | 167 |
| | MAT-02634 | d | 50 mm | 1 No | 203 |
| 4 | | ELEC-1.1.4 | Supply of MS Inspection Bends. | | |
| | MAT-02635 | a | 19/20 mm | 1 No | 26 |
| | MAT-02636 | b | 25 mm | 1 No | 30 |
| | MAT-02637 | c | 32 mm | 1 No | 66 |
| | MAT-02638 | d | 40/38 mm | 1 No | 95 |
| | MAT-02639 | e | 50 mm | 1 No | 203 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 5 | | ELEC-1.1.5 | Supply of MS Inspection Tee. | | |
| | MAT-02640 | a | 19/20 mm | 1 No | 30 |
| | MAT-02641 | b | 25 mm | 1 No | 36 |
| | MAT-02642 | c | 32 mm | 1 No | 83 |
| | MAT-02643 | d | 40/38 mm | 1 No | 102 |
| | MAT-02644 | e | 50 mm | 1 No | 209 |
| 6 | | ELEC-1.1.6 | Supply of MS Inspection Elbow. | | |
| | MAT-02645 | a | 19/20 mm | 1 No | 26 |
| | MAT-02646 | b | 25 mm | 1 No | 36 |
| | MAT-02647 | c | 32 mm | 1 No | 66 |
| | MAT-02648 | d | 40/38 mm | 1 No | 83 |
| | MAT-02649 | e | 50 mm | 1 No | 191 |
| 7 | | ELEC-1.1.7 | Supply of MS Inspection 10 Guage G.I. checknut of size | | |
| | MAT-02650 | a | 19/20 mm | 100 Nos | 238 |
| | MAT-02651 | b | 25 mm | 100 Nos | 298 |
| | MAT-02652 | c | 32 mm | 100 Nos | 596 |
| | MAT-02653 | d | 40/38 mm | 100 Nos | 865 |
| | MAT-02654 | e | 50 mm | 100 Nos | 1443 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 8 | | ELEC-1.1.8 | Supply of Saddles with Base. | | |
| | MAT-02655 | a | 19/20 mm | 100 Nos | 257 |
| | MAT-02656 | b | 25 mm | 100 Nos | 269 |
| | MAT-02657 | c | 32 mm | 100 Nos | 453 |
| | MAT-02658 | d | 40/38 mm | 100 Nos | 746 |
| | MAT-02659 | e | 50 mm | 100 Nos | 942 |
| 9 | | ELEC-1.1.9 | Supply of .....20 guage Saddles. | | |
| | MAT-02660 | a | 19/20 mm | 100 Nos | 131 |
| | MAT-02661 | b | 25 mm | 100 Nos | 179 |
| | MAT-02662 | c | 32 mm | 100 Nos | 286 |
| | MAT-02663 | d | 40/38 mm | 100 Nos | 370 |
| | MAT-02664 | e | 50 mm | 100 Nos | 453 |
| 10 | | ELEC-1.1.10 | Supply of 16 Guage socket coupler. | | |
| | MAT-02665 | a | 19/20 mm | 12 Nos | 72 |
| | MAT-02666 | b | 25 mm | 12 Nos | 95 |
| | MAT-02667 | c | 32 mm | 12 Nos | 155 |
| | MAT-02668 | d | 38 mm | 12 Nos | 203 |
| | MAT-02669 | e | 40mm | 12 Nos | 227 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02670 | f | 50 mm | 12 Nos | 477 |
| 11 | | ELEC-1.1.11 | Supply of 19mm Ball Socket. | | |
| | MAT-02671 | a | 19 mm | 12 Nos | 274 |
| | MAT-02672 | b | 25 mm | 12 Nos | 417 |
| | | 1.2 | PVC CONDUIT PIPES | | |
| 12 | | ELEC-1.2.1 | Supply of ISI outer dia heavy grade with IS:9537 part 3 FRLS rigid PVC pipe Makes : As per list of recommended brands | | |
| | MAT-02673 | a | 20 mm(1.95 - 2.10)mm thickness | 1 RM | 34 |
| | MAT-02674 | b | 25 mm(2.00 - 2.20)mm thickness | 1 RM | 43 |
| 13 | | ELEC-1.2.2 | Supply of ISI outer dia medium grade with IS:9537 part 3 FRLS rigid PVC pipe. Makes : As per list of recommended brands | | |
| | MAT-02675 | a | 20mm (1.40 -1.55)mm thickness | 1 RM | 24 |
| | MAT-02676 | b | 25mm (1.60 -1.80)mm thickness | 1 RM | 34 |
| | MAT-02677 | c | 32mm (1.90 - 2.10)mm thickness | 1 RM | 52 |
| | MAT-02678 | d | 40mm (2.10 - 2.30)mm thickness | 1 RM | 70 |
| | MAT-02679 | e | 50mm (2.60 - 2.85)mm thickness | 1 RM | 100 |
| | | | NOTE:Add 5% extra on above price for Red/Yellow/Blue/Black/Green Colour PVC pipes for specific purpose Usage | | |
| 14 | | ELEC-1.2.3 | Supply of ISI width and 12.5mm height Casing and Caping. Makes : As per list of recommended brands | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02680 | a | 19/20 mm | 1 RM | 26 |
| | MAT-02681 | b | 25mm | 1 RM | 40 |
| | MAT-02682 | c | 32mm | 1 RM | 47 |
| | MAT-02683 | d | 38/40mm | 1 RM | 77 |
| 15 | | ELEC-1.2.4 | Supply of FRPP corrugated Flexible conduit pipe. Makes : As per list of recommended brands | | |
| | MAT-02684 | a | 19/20 mm | 1 RM | 16 |
| | MAT-02685 | b | 25mm | 1 RM | 20 |
| | MAT-02686 | c | 32mm | 1 RM | 31 |
| | MAT-02687 | d | 38/40mm | 1 RM | 43 |
| | MAT-02688 | e | 50 mm | 1 RM | 71 |
| 16 | | ELEC-1.2.5 | Supply of PVC Flexible Couplings for FRPP Corrugated conduit pipe . Makes : As per list of recommended brands | | |
| | MAT-02689 | a | 19/20 mm | 1 No | 13 |
| | MAT-02690 | b | 25mm | 1 No | 20 |
| | MAT-02691 | c | 32mm | 1 No | 34 |
| | MAT-02692 | d | 40mm | 1 No | 40 |
| | MAT-02693 | e | 50 mm | 1 No | 73 |
| 17 | | ELEC-1.2.6 | Supply of..... PVC Junction Boxes confirms to IS : 3419 Makes : As per list of recommended brands | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02694 | a | 19/20 mm | 1 No | 25 |
| | MAT-02695 | b | 25mm | 1 No | 26 |
| | MAT-02696 | c | 32mm | 1 No | 47 |
| | MAT-02697 | d | 40mm | 1 No | 49 |
| | MAT-02698 | e | 50 mm | 1 No | 66 |
| 18 | | ELEC-1.2.7 | Supply of .....PVC deep Junction Boxes confirms to IS : 3419. Makes : As per list of recommended brands | | |
| | MAT-02699 | a | 19/20 mm | 1 No | 30 |
| | MAT-02700 | b | 25mm | 1 No | 34 |
| | MAT-02701 | c | 32mm | 1 No | 53 |
| | MAT-02702 | d | 40/38 mm | 1 No | 58 |
| | MAT-02703 | e | 50 mm | 1 No | 84 |
| 19 | | ELEC-1.2.8 | Supply of PVC Bends. Makes : As per list of recommended brands | | |
| | MAT-02704 | a | 19/20 mm dia 1.5mm thick | 1 No | 8 |
| | MAT-02705 | b | 25mm dia 1.5mm thick | 1 No | 11 |
| | MAT-02706 | c | 32mm dia 2.0mm thick | 1 No | 24 |
| | MAT-02707 | d | 40 mm dia 2.0mm thick | 1 No | 26 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02708 | e | 50 mm dia 2.0mm thick | 1 No | 38 |
| 20 | MAT-02709 | ELEC-1.2.9 | Dummy Cover for PVC junction boxes | 1 No | 7 |
| 21 | | ELEC-1.2.10 | Supply and fixing of DLP PVC Mini-trunking with independent cover on wall/ ceiling mm including cost of all accessories like end caps, Internal/External angles, flat Angles, flat joints etc., with all labour charges, transportaion etc., complete. | | |
| | | a | 25mm x 20 mm | 1 RM | 115 |
| | | b | 105/100 x 50 mm | 1 RM | 549 |
| | | 1.3 | HOT DIP GALVANIZED METAL BOXES for switch boards | | |
| 22 | | ELEC-1.3.1 | Supply of..... Hot Dip galvanized 20/18 SWG Module box with earthing terminal | | |
| | MAT-02710 | a | 1 or 2 | 1 No | 68 |
| | MAT-02711 | b | 3 | 1 No | 95 |
| | MAT-02712 | c | 4 | 1 No | 114 |
| | MAT-02713 | d | 6 | 1 No | 155 |
| | MAT-02714 | e | 8 or 9 | 1 No | 203 |
| | MAT-02715 | f | 12 | 1 No | 245 |
| | | | METALLIC BOXES | | |
| 23 | | ELEC-1.3.2 | Supply of .....18 SWG sheet steel boxes duly finished with two coats of zinchromate redoxide | | |
| | MAT-02716 | a | 100mmx100x50mm | 1 No | 61 |
| | MAT- | b | 175mmx100x60mm | 1 No | 73 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---------------------------------|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 02717 | | | | |
| | MAT-02718 | c | 150mmx150x60mm | 1 No | 85 |
| | MAT-02719 | d | 200mmx150x60mm | 1 No | 97 |
| | MAT-02720 | e | 200mmx250x75mm | 1 No | 121 |
| | MAT-02721 | f | 250mmx300x75mm | 1 No | 212 |
| | MAT-02722 | g | 300mmx375x100mm | 1 No | 273 |
| | | 1.4 | T.W. BOARDS | | |
| 24 | | ELEC-1.4.1 | Supply of T.W.Deep Box of Size | | |
| | MAT-02723 | a | 4" x 4" | 1 No | 12 |
| | MAT-02724 | b | 4" x 7 | 1 No | 22 |
| | MAT-02725 | c | 6" x 6" | 1 No | 24 |
| | MAT-02726 | d | 6" x 8" | 1 No | 36 |
| | MAT-02727 | e | 8" x 10" | 1 No | 61 |
| | MAT-02728 | f | 10" x 12" | 1 No | 85 |
| | MAT-02729 | g | 12" x 15" | 1 No | 133 |
| 25 | | ELEC-1.4.2 | Supply of Decolam Board of size | | |
| | MAT-02730 | a | 4" x 4" | 1 No | 19 |
| | MAT-02731 | b | 4" x 7 | 1 No | 31 |
| | MAT- | c | 6" x 6" | 1 No | 43 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--------------------------------|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 02732 | | | | |
| | MAT-02733 | d | 6" x 8" | 1 No | 48 |
| | MAT-02734 | e | 8" x 10" | 1 No | 85 |
| | MAT-02735 | f | 10" x 12" | 1 No | 133 |
| | MAT-02736 | g | 12" x 15" | 1 No | 200 |
| 26 | | ELEC-1.4.3 | Supply of Peeta Boards of size | | |
| | MAT-02737 | a | 9" x 14" | 1 No | 61 |
| | MAT-02738 | b | 12" x 10" | 1 No | 67 |
| | MAT-02739 | c | 15" x 20" | 1 No | 230 |
| | MAT-02740 | d | 18" x 24" | 1 No | 333 |
| | MAT-02741 | e | 18" x 30" | 1 No | 411 |
| 27 | | ELEC-1.4.4 | Supply of No.8 Screws of | | |
| | MAT-02742 | a | 12mm. | 100 Nos | 73 |
| | MAT-02743 | b | 25mm. | 100 Nos | 91 |
| | MAT-02744 | c | 30mm. | 100 Nos | 109 |
| | MAT-02745 | d | 35/38mm. | 100 Nos | 121 |
| | MAT-02746 | e | 50mm | 100 Nos | 141 |
| | MAT-02747 | f | 63/75mm. | 100 Nos | 169 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 1.5 | COPPER FLEXIBLE CABLES (AS PER IS:694) | | |
| 28 | | ELEC-1.5.1 | Supply of.....FRLS/ FRLS-H / HFFR PVC insulated 1100V grade as per IS : 694 / 1990 specification for Copper cable. Makes : As per list of recommended brands as category I | | |
| | MAT-02748 | a | 1.0 Sqmm | 100 RM | 1375 |
| | MAT-02749 | b | 1.5 Sqmm | 100 RM | 1977 |
| | MAT-02750 | c | 2.5 Sqmm | 100 RM | 3193 |
| | MAT-02751 | d | 4.0 Sqmm | 100 RM | 4875 |
| | MAT-02752 | e | 6.0 Sqmm | 100 RM | 7460 |
| | MAT-02753 | f | 10.0 Sqmm | 100 RM | 11517 |
| | MAT-02754 | g | 16.0 Sqmm | 100 RM | 18191 |
| 29 | | ELEC-1.5.2 | Supply of FRLS / FRLS-H / HFFR / ZHFR PVC insulated 1100V grade as per IS : 694 / 1990 specification for Copper cable. Makes : As per list of recommended brands as category II | | |
| | MAT-02755 | a | 1.0 Sqmm | 100 RM | 1211 |
| | MAT-02756 | b | 1.5 Sqmm | 100 RM | 1727 |
| | MAT-02757 | c | 2.5 Sqmm | 100 RM | 2801 |
| | MAT-02758 | d | 4.0 Sqmm | 100 RM | 4319 |
| | MAT-02759 | e | 6.0 Sqmm | 100 RM | 6674 |
| | MAT-02760 | f | 10.0 Sqmm | 100 RM | 10143 |
| | MAT-02761 | g | 16.0 Sqmm | 100 RM | 16882 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 30 | | ELEC-1.5.3 | Supply of FRLS / FRLSH / ZHFR PVC insulated 1100V grade as per IS : 694 / 1990 specification for Copper cable. Makes : As per list of recommended brands as category III | | |
| | MAT-02762 | a | 1.0 Sqmm | 100 RM | 1047 |
| | MAT-02763 | b | 1.5 Sqmm | 100 RM | 1466 |
| | MAT-02764 | c | 2.5 Sqmm | 100 RM | 2356 |
| | MAT-02765 | d | 4.0 Sqmm | 100 RM | 3533 |
| | MAT-02766 | e | 6.0 Sqmm | 100 RM | 5497 |
| | MAT-02767 | f | 10.0 Sqmm | 100 RM | 8703 |
| | MAT-02768 | g | 16.0 Sqmm | 100 RM | 13349 |
| | | | SHEATHED FLEXIBLE COPPER CABLES | | |
| 31 | | ELEC-1.5.4 | Supply of .....PVC insulated and sheathed FRLS copper round cable for voltage up to 1100V as per IS 694/1990. Makes : As per list of recommended brands as category I | | |
| | MAT-05466 | a | Single Core 25 Sqmm | 1 RM | 288 |
| | MAT-05467 | b | Single Core 35 Sqmm | 1 RM | 406 |
| | MAT-05468 | c | Single Core 50 Sqmm | 1 RM | 576 |
| | MAT-05469 | d | Single Core 70 Sqmm | 1 RM | 785 |
| | MAT-02769 | e | 2 core 1.5 Sqmm | 1 RM | 59 |
| | MAT-02770 | f | 2 core 2.5 Sqmm | 1 RM | 92 |
| | MAT-02771 | g | 2 core 4.0 Sqmm | 1 RM | 124 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05470 | h | 2 core 6 Sqmm | 1 RM | 190 |
| | MAT-05471 | i | 2 core 10 Sqmm | 1 RM | 275 |
| | MAT-05472 | j | 2 core 16 Sqmm | 1 RM | 328 |
| | MAT-02772 | k | 3 core 1.5 Sqmm | 1 RM | 79 |
| | MAT-02773 | l | 3 core 2.5 Sqmm | 1 RM | 131 |
| | MAT-02774 | m | 3 core 4.0 Sqmm | 1 RM | 183 |
| | MAT-05473 | n | 3 core 6 Sqmm | 1 RM | 229 |
| | MAT-05474 | o | 3 core 10 Sqmm | 1 RM | 302 |
| | MAT-05475 | p | 3 core 16 Sqmm | 1 RM | 485 |
| | MAT-02775 | q | 4 core 1.5 Sqmm | 1 RM | 105 |
| | MAT-02776 | r | 4 core 2.5 Sqmm | 1 RM | 164 |
| | MAT-02777 | s | 4 core 4.0 Sqmm | 1 RM | 249 |
| | MAT-05476 | t | 4 core 6 Sqmm | 1 RM | 366 |
| | MAT-05477 | u | 4 core 10 Sqmm | 1 RM | 563 |
| | MAT-05478 | v | 4 core 16 Sqmm | 1 RM | 714 |
| | | w | 2 core, 1.0 Sq.mm | 1 RM | 30 |
| | | x | 4 core, 0.5 sq.mm | 1 RM | 95 |
| | | z | 12 core, 0.5 sq.mm | 1 RM | 195 |
| 32 | | ELEC-1.5.5 | Supply of .....PVC insulated and sheathed FRLS copper round cable for voltage up to 1100V as per IS 694/1990. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands as category II | | |
| | MAT-05479 | a | Single Core 25 Sqmm | 1 RM | 255 |
| | MAT-05480 | b | Single Core 35 Sqmm | 1 RM | 373 |
| | MAT-05481 | c | Single Core 50 Sqmm | 1 RM | 504 |
| | MAT-05482 | d | Single Core 70 Sqmm | 1 RM | 726 |
| | MAT-02778 | e | 2 core 1.5 Sqmm | 1 RM | 52 |
| | MAT-02779 | f | 2 core 2.5 Sqmm | 1 RM | 79 |
| | MAT-02780 | g | 2 core 4.0 Sqmm | 1 RM | 112 |
| | MAT-05483 | h | 2 core 6 Sqmm | 1 RM | 176 |
| | MAT-05484 | i | 2 core 10 Sqmm | 1 RM | 249 |
| | MAT-05485 | j | 2 core 16 Sqmm | 1 RM | 314 |
| | MAT-02781 | k | 3 core 1.5 Sqmm | 1 RM | 72 |
| | MAT-02782 | l | 3 core 2.5 Sqmm | 1 RM | 118 |
| | MAT-02783 | m | 3 core 4.0 Sqmm | 1 RM | 157 |
| | MAT-05486 | n | 3 core 6 Sqmm | 1 RM | 216 |
| | MAT-05487 | o | 3 core 10 Sqmm | 1 RM | 281 |
| | MAT-05488 | p | 3 core 16 Sqmm | 1 RM | 445 |
| | MAT- | q | 4 core 1.5 Sqmm | 1 RM | 92 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 02784 | | | | |
| | MAT-02785 | r | 4 core 2.5 Sqmm | 1 RM | 131 |
| | MAT-02786 | s | 4 core 4.0 Sqmm | 1 RM | 209 |
| | MAT-05489 | t | 4 core 6 Sqmm | 1 RM | 340 |
| | MAT-05490 | u | 4 core 10 Sqmm | 1 RM | 517 |
| | MAT-05491 | v | 4 core 16 Sqmm | 1 RM | 674 |
| | | w | 2 core, 1.0 sq.mm | 1 RM | 25 |
| | | x | 4 core, 0.5 sq.mm | 1 RM | 30 |
| | | y | 12 core, 0.5 sq.mm | 1 RM | 48 |
| 33 | MAT-02787 | ELEC-1.5.6 | Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes : As per list of recommended brands. | 100 RM | 1244 |
| 34 | | ELEC-1.5.7 | Supply and Transportation of RG 6 co-axial cable for TVs. Makes : As per list of recommended brands as category I. | 1 RM | 29 |
| 35 | | ELEC-1.5.8 | Supply and Transportation of RG 6 co-axial cable for TVs. Makes : As per list of recommended brands as category II. | 1 RM | 16 |
| | | 1.6 | SERVICE MAINS AND FLAT CABLE FOR SUBMERSIBLE MOTORS. | | |
| 36 | | ELEC-1.6.1 | Supply of .....WPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes : As per list of recommended brands. | | |
| | MAT-02788 | a | 2.5 Sqmm | 100 RM | 911 |
| | MAT-02789 | b | 6 Sqmm | 100 RM | 1816 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02790 | c | 10 Sqmm | 100 RM | 1980 |
| | MAT-02791 | d | 16 Sqmm | 100 RM | 3300 |
| 37 | | ELEC-1.6.2 | Supply of .....WPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes : As per list of recommended brands. | | |
| | MAT-02792 | | 6 Sqmm | 100 RM | 3696 |
| | MAT-02793 | | 10 Sqmm | 100 RM | 4469 |
| 38 | | ELEC-1.6.3 | Supply of 3 Core..... Flat Copper cable of ISI for Submersible Motors confirming to IS:694:1990. Makes : As per list of recommended brands as category I | | |
| | MAT-02794 | a | 1.5 Sqmm | 1 RM | 72 |
| | MAT-02795 | b | 2.5 Sqmm | 1 RM | 105 |
| | MAT-02796 | c | 4.0 Sqmm | 1 RM | 164 |
| | MAT-02797 | d | 6.0 Sqmm | 1 RM | 236 |
| | MAT-02798 | e | 10.0 Sqmm | 1 RM | 373 |
| | MAT-02799 | f | 16.0 Sqmm | 1 RM | 490 |
| 39 | | ELEC-1.6.4 | Supply of 3 Core..... Flat Copper cable of ISI for Submersible Motors confirming to IS:694:1990. Makes : As per list of recommended brands as category II | | |
| | MAT-02800 | a | 1.5 Sqmm | 1 RM | 66 |
| | MAT-02801 | b | 2.5 Sqmm | 1 RM | 94 |
| | MAT-02802 | c | 4.0 Sqmm | 1 RM | 145 |
| | MAT- | d | 6.0 Sqmm | 1 RM | 209 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 02803 | | | | |
| | MAT-02804 | e | 10.0 Sqmm | 1 RM | 340 |
| | MAT-02805 | f | 16.0 Sqmm | 1 RM | 445 |
| | | 1.7 | FLUSH TYPE SWITCHES AND ACCESSORIES | | |
| 40 | | ELEC-1.7.1 | Supply of Makes : As per list of recommended brands. | | |
| | MAT-02806 | a | 6A 1 Way flush type Swich. | 1 No | 18 |
| | MAT-02807 | b | 6A 2 Way flush type Swich. | 1 No | 22 |
| | MAT-02808 | c | 6A 2 pin flush type Socket. | 1 No | 21 |
| | MAT-02809 | d | 6A 3/2 pin flush type Socket with shutter. | 1 No | 27 |
| | MAT-02810 | e | 6A flush type Neon Indicator. | 1 No | 21 |
| | MAT-02811 | f | 6A Triangle Plug Top of | 1 No | 35 |
| | MAT-02812 | g | 1 Way flush type Bed Swich / Bell Push. | 1 No | 22 |
| | MAT-02813 | h | 16A flush type Swich. | 1 No | 69 |
| | MAT-02814 | i | 16A flush type Socket with shutter. | 1 No | 69 |
| | MAT-02815 | j | 16A flush type Switch Socket combined (2 in one). | 1 No | 104 |
| | MAT-02816 | k | 16A Triangle Plug Top | 1 No | 53 |
| | MAT-02817 | l | stepped type Electronic Regulator. | 1 No | 208 |
| | MAT-02818 | m | 3 Plate Jumbo Ceiling Rose. | 1 No | 22 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02819 | n | BH / SBH. | 1 No | 21 |
| | MAT-02820 | o | Pendent Holder / Adopter. | 1 No | 18 |
| | MAT-02821 | p | Telephone Jack with Connector. | 1 No | 53 |
| | MAT-02822 | q | TV Antenna Outlet. | 1 No | 29 |
| | MAT-02823 | r | 15A/10A Flush type Fuse. | 1 No | 35 |
| | MAT-02824 | s | 32A DP Flush type. | 1 No | 110 |
| | MAT-02825 | t | Calling Bell. | 1 No | 76 |
| | MAT-02826 | u | Buzzer. | 1 No | 64 |
| | MAT-02827 | v | Ding Dong Bell. | 1 No | 156 |
| | MAT-02828 | w | Electronic Musical Bell. | 1 No | 254 |
| | MAT-02829 | x | Remote Bell. | 1 No | 734 |
| | MAT-02830 | y | MC Holder. | 1 No | 23 |
| | MAT-02831 | z | Spike Guard with 1 No Switch and 4 Nos Sockets. | 1 No | 404 |
| | MAT-02832 | A | Spike Guard with 4 No Switches and 4 Nos Sockets. | 1 No | 578 |
| | | 1.8 | MODULAR SWITCHES AND ACCESSORIES | | |
| 41 | | ELEC-1.8.1 | Supply of Makes : As per list of recommended brands as category I. | | |
| | MAT-02833 | a | 6A / 10A 1 Way 1 Module Modular Switch. | 1 No | 94 |
| | MAT-02834 | b | 6A / 10A 2 Way 1 Module Modular Switch. | 1 No | 105 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02835 | c | 6A / 10A 2 Pin 2 Module Modular Socket. | 1 No | 94 |
| | MAT-02836 | d | 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. | 1 No | 143 |
| | MAT-02837 | e | 6A / 10A 1 Module Modular Switch with Neon Indicator. | 1 No | 116 |
| | MAT-02838 | f | 6A / 10A Modular Bell Push with Neon Indicator. | 1 No | 138 |
| | MAT-02839 | g | 16A / 10A Modular Flush Fuse with Neon Indicator. | 1 No | 127 |
| | MAT-02840 | h | 16A / 20A 1 Way 1 Module Modular Switch. | 1 No | 127 |
| | MAT-02841 | i | 16A / 20A 2 Way 1 Module Modular Switch. | 1 No | 138 |
| | MAT-02842 | j | 20A 1 Way 1 Module Modular Switch with Indicator. | 1 No | 138 |
| | MAT-02843 | k | 20A Modular Socket with shutter. | 1 No | 193 |
| | MAT-02844 | l | 16A/6A 1 way Combi Socket Modular Socket with shutter | 1 No | 198 |
| | MAT-02845 | m | Deleted | 1 No | |
| | MAT-02846 | n | 2 Module Modular type Electronic step type Fan Regulator. | 1 No | 495 |
| | MAT-02847 | o | Modular socket type Telephone jack with Connector | 1 No | 99 |
| | MAT-02848 | p | Modular co-Axial socket type TV Antenna outlet. | 1 No | 99 |
| | MAT-02849 | q | Push type button motor starter for A.C Units | 1 No | 798 |
| | MAT-08755 | r | 32A Modular type Double pole Switch with indicator | 1 No | 350 |
| | MAT-08756 | s | One Module PVC Blanking plate | 1 No | 25 |
| | MAT-08757 | t | Skirting Light with LED 230V 3 Module | 1 No | 175 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 42 | | ELEC-1.8.2 | Supply of Makes : As per list of recommended brands as category II | | |
| | MAT-02850 | a | 6A / 10A 1 Way 1 Module Modular Switch. | 1 No | 61 |
| | MAT-02851 | b | 6A / 10A 2 Way 1 Module Modular Switch. | 1 No | 72 |
| | MAT-02852 | c | 6A / 10A 2 Pin 2 Module Modular Socket. | 1 No | 61 |
| | MAT-02853 | d | 6A / 10A 3/2 Pin 2 Module Modular Socket with shutter. | 1 No | 94 |
| | MAT-02854 | e | 6A / 10A 1 Module Modular Switch with Neon Indicator. | 1 No | 77 |
| | MAT-02855 | f | 6A / 10A Modular Bell Push with Neon Indicator. | 1 No | 88 |
| | MAT-02856 | g | 16A / 10A Modular Flush Fuse with Neon Indicator. | 1 No | 83 |
| | MAT-02857 | h | 16A / 20A 1 Way 1 Module Modular Switch. | 1 No | 83 |
| | MAT-02858 | i | 16A / 20A 2 Way 1 Module Modular Switch. | 1 No | 94 |
| | MAT-02859 | j | 20A 1 Way 1 Module Modular Switch with Indicator. | 1 No | 88 |
| | MAT-02860 | k | 20A Modular Socket with shutter. | 1 No | 138 |
| | MAT-02861 | l | 16A/6A 1 way Combi Socket Modular Socket with shutter | 1 No | 138 |
| | MAT-02862 | m | Deleted | 1 No | |
| | MAT-02863 | n | 2 Module Modular type Electronic step type Fan Regulator. | 1 No | 402 |
| | MAT-02864 | o | Modular socket type Telephone jack with Connector | 1 No | 66 |
| | MAT-02865 | p | Modular co-Axial socket type TV Antenna outlet. | 1 No | 66 |
| | MAT-02866 | q | Push type button motor starter for A.C Units | 1 No | 743 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-08758 | r | 32A Modular type Double pole Switch with indicator | 1 No | 300 |
| | MAT-08759 | s | One Module PVC Blanking plate | 1 No | 20 |
| | MAT-08760 | t | Skirting Light with LED 230V 3 Module | 1 No | 150 |
| | | | COVER FRAMES | | |
| 43 | | ELEC-1.8.3 | Supply of Makes : As per list of recommended brands as category I. | | |
| | MAT-02867 | a | 1 or 2 Modular Cover Frame. | 1 No | 66 |
| | MAT-02868 | b | 3 Modular Cover Frame. | 1 No | 77 |
| | MAT-02869 | c | 4 Modular Cover Frame. | 1 No | 88 |
| | MAT-02870 | d | 6 Modular Cover Frame . | 1 No | 132 |
| | MAT-02871 | e | 8 Modular Horizontal / Vertical Cover Frame. | 1 No | 171 |
| | MAT-02872 | f | 12 Modular Vertical Cover Frame. | 1 No | 209 |
| 44 | | ELEC-1.8.4 | Supply of Makes : As per list of recommended brands as category II | | |
| | MAT-02873 | a | 1 or 2 Modular Cover Frame. | 1 No | 55 |
| | MAT-02874 | b | 3 Modular Cover Frame. | 1 No | 66 |
| | MAT-02875 | c | 4 Modular Cover Frame. | 1 No | 77 |
| | MAT-02876 | d | 6 Modular Cover Frame . | 1 No | 110 |
| | MAT-02877 | e | 8 Modular Horizontal / Vertical Cover Frame. | 1 No | 138 |
| | MAT-02878 | f | 12 Modular Vertical Cover Frame. | 1 No | 165 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | SECTION - 2 | | |
| | | 2.1 | PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU) | | |
| 45 | | ELEC-2.1.1 | Supply of .....TPN Switch Disconnecter Fuse Unit a Cubical type without fuses as per IS: 13947/IEC 60947-3 Makes : As per list of recommended brands as category I. | | |
| | MAT-02879 | a | 32A | 1 No | 1543 |
| | MAT-02880 | b | 63A | 1 No | 2635 |
| | MAT-02881 | c | 125A | 1 No | 6291 |
| | MAT-02882 | d | 200A | 1 No | 8249 |
| | MAT-02883 | e | 250A | 1 No | 9851 |
| | MAT-02884 | f | 400A | 1 No | 15192 |
| | MAT-02885 | g | 630A | 1 No | 25756 |
| 46 | | ELEC-2.1.2 | Supply of TPN Switch Disconnecter Fuse Unit Cubical type without fuses as per IS: 13947/IEC 60947-3 Makes : As per list of recommended brands as category II | | |
| | MAT-02886 | a | 32A | 1 No | 1306 |
| | MAT-02887 | b | 63A | 1 No | 1935 |
| | MAT-02888 | c | 125A | 1 No | 4332 |
| | MAT-02889 | d | 200A | 1 No | 6528 |
| | MAT-02890 | e | 250A | 1 No | 7359 |
| | MAT-02891 | f | 400A | 1 No | 11276 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02892 | g | 630A | 1 No | 18872 |
| | | 2.2 | ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) | | |
| 47 | | ELEC-2.2.1 | Supply of 4 Pole Change Over Switch on Load with open Execution as per IS:13947 Makes : As per list of recommended brands as category I. | | |
| | MAT-02893 | a | 63A | 1 No | 4866 |
| | MAT-02894 | b | 125A | 1 No | 9139 |
| | MAT-02895 | c | 200A | 1 No | 12225 |
| | MAT-02896 | d | 250A | 1 No | 17447 |
| | MAT-02897 | e | 400A | 1 No | 26349 |
| | MAT-02898 | f | 630A | 1 No | 31453 |
| 48 | | ELEC-2.2.2 | Supply of 4 Pole Change Over Switch on Load with open Execution as per IS:13947 Makes : As per list of recommended brands as category II. | | |
| | MAT-02899 | a | 32 A | 1 No | 1780 |
| | MAT-02900 | b | 63A | 1 No | 4392 |
| | MAT-02901 | c | 125A | 1 No | 8664 |
| | MAT-02902 | d | 200A | 1 No | 11276 |
| | MAT-02903 | e | 250A | 1 No | 16023 |
| | MAT-02904 | f | 400A | 1 No | 24688 |
| | MAT- | g | 630A | 1 No | 29079 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 02905 | | | | |
| | | 2.3 | OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE | | |
| 49 | | ELEC-2.3.1 | Supply of Off load Changeover Switch in sheet steel enclosure as per IS:13947 Makes : As per list of recommended brands as category I | | |
| | MAT-02906 | a | 32A 240V DP | 1 No | 1484 |
| | MAT-02907 | b | 63A 415V FP | 1 No | 5104 |
| | MAT-02908 | c | 100A 415V FP | 1 No | 8961 |
| 50 | | ELEC-2.3.2 | Supply of Off load Changeover Switch in sheet steel enclosure as per IS:13947 Makes : As per list of recommended brands as category II | | |
| | MAT-02909 | a | 32A 240V DP | 1 No | 861 |
| | MAT-02910 | b | 63A 415V FP | 1 No | 2967 |
| | MAT-02911 | c | 100A 415V FP | 1 No | 5578 |
| | | 2.4 | AUTO TRANSFER SWITCH | | |
| 51 | | ELEC-2.4.1 | Supply of auto transfer switch for instantaneous switching between sources as per IEC 60947-6-1 Closed transition,(bare unit- without enclosure) with voltage surge suppressor,communication interface etc complete., Makes : As per list of recommended brands. | | |
| | MAT-02912 | a | 125A, 415VAC, FP | 1 No | 41542 |
| | MAT-02913 | b | 160A, 415VAC FP | 1 No | 43322 |
| | MAT-02914 | c | 200A 415VACFP | 1 No | 44509 |
| | MAT-02915 | d | 250A, 415VAC FP | 1 No | 55784 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02916 | e | 315A, 415VAC FP | 1 No | 56378 |
| | MAT-02917 | f | 400A, 415VAC FP | 1 No | 70621 |
| 52 | | ELEC-2.4.2 | Supply of .....auto transfer switch for instantaneous switching between sources as per IEC 60947-6-1 Closed transition,(bare unit- without enclosure) with voltage surge suppressor, communication interface etc complete. Makes : As per list of recommended brands. | | |
| | MAT-02918 | a | 630A,415VAC FP | 1 No | 89611 |
| | MAT-02919 | b | 800A, 415VAC FP | 1 No | 118690 |
| | MAT-02920 | c | 1000A,415VAC FP | 1 No | 147176 |
| | MAT-02921 | d | 1250A, 415VAC FP | 1 No | 182783 |
| | MAT-02922 | e | 1600 A, 415VAC FP | 1 No | 226698 |
| | MAT-02923 | f | 2000 A, 415VAC FP | 1 No | 331145 |
| | MAT-02924 | g | 2500 A, 415VAC FP | 1 No | 365565 |
| | MAT-02925 | h | 3200 A, 415VAC FP | 1 No | 470012 |
| | | 2.5 | REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE | | |
| 53 | | ELEC-2.5.1 | Supply of Rewirable Fuse Switch in SS enclosure as per IS:13947 Makes : As per list of recommended brands as category I | | |
| | MAT-02926 | a | 32A 240V SPN | 1 No | 1009 |
| | MAT-02927 | b | 32A 415V TPN | 1 No | 2255 |
| | MAT-02928 | c | 63A 415V TPN | 1 No | 4629 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02929 | d | 100A 415V TPN | 1 No | 8546 |
| 54 | | ELEC-2.5.2 | Supply of Double Break Switch in SS enclosure without fuses as per IS:13947 Makes : As per list of recommended brands as category II | | |
| | MAT-02930 | a | 100A 415V TPN | 1 No | 7688 |
| | MAT-02931 | b | 200A 415V TPN | 1 No | 11060 |
| 55 | | ELEC-2.5.3 | Supply of Rewirable Fuse Switch in SS enclosure as per IS:13947 Makes : As per list of recommended brands as category I | | |
| | MAT-02932 | a | 32A 240V SPN | 1 No | 712 |
| | MAT-02933 | b | 32A 415V TPN | 1 No | 1092 |
| | MAT-02934 | c | 63A 415V TPN | 1 No | 2611 |
| | MAT-02935 | d | 100A 415V TPN | 1 No | 4985 |
| 56 | | ELEC-2.5.4 | Supply of Double Break Switch in SS enclosure without fuse as per IS:13947 Makes : As per list of recommended brands as category II | | |
| | MAT-02936 | a | 100A 415V TPN | 1 No | 5104 |
| | MAT-02937 | b | 200A 415V TPN | 1 No | 8308 |
| | | 2.6 | HRC FUSE LINKS (DIN/BOLTED TYPE) | | |
| 57 | | ELEC-2.6.1 | Supply of HRC Fuse Links as per IS 13703-Part 2/IEC 60269- Part 2 Makes : As per list of recommended brands as category I | | |
| | MAT-02938 | a | 6A to 35 A | 1 No | 59 |
| | MAT-02939 | b | 45A to 63A | 1 No | 90 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02940 | c | 100 A to 160 A | 1 No | 279 |
| | MAT-02941 | d | 250A to 350A | 1 No | 415 |
| | MAT-02942 | e | 400A | 1 No | 790 |
| | MAT-05457 | f | 630A | 1 No | 1579 |
| | | 2.7 | PORCELAIN REWIRABLE FUSE UNITS. | | |
| 58 | | ELEC-2.7.1 | Supply of Porcelain Rewirable Fuse Units. Makes : As per list of recommended brands. | | |
| | MAT-02943 | a | 32A 240V | 1 No | 119 |
| | MAT-02944 | B | 32A 415V | 1 No | 178 |
| | MAT-02945 | C | 63A 415V | 1 No | 297 |
| | MAT-02946 | D | 100A 415V | 1 No | 617 |
| 59 | | ELEC-2.7.2 | Supply of..... Porcelain Rewirable Fuse Units with extension strip. Makes : As per list of recommended brands. | | |
| | MAT-02947 | A | 200A 415V | 1 No | 1009 |
| | MAT-02948 | B | 300A 415V | 1 No | 1306 |
| | | 2.8 | VOLTAGE SURGE PROTECTORS | | |
| 60 | | ELEC-2.8.1 | Supply of Voltage Surge Protector. Makes : As per list of recommended brands. | | |
| | MAT-02949 | A | 2 Pole 2 Module 40 KA 1.4 KV | 1 No | 8308 |
| | MAT-02950 | B | 4 Pole 4 Module 40 KA 1.4 KV | 1 No | 15579 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02951 | C | 2 Pole 2 Module 15 KA 1.2 KV | 1 No | 6647 |
| | MAT-02952 | D | 4 Pole 4 Module 15 KA 1.2 KV | 1 No | 12462 |
| | | 2.9 | PANEL MOUNTING MCCBs | | |
| 61 | | ELEC-2.9.1 | Supply of, Adjustable, Confirms to IEC 60947-2 and IS 13947-Part 1&2 having Breaking Capacity with thermal magnetic release Panel Mounted. Makes : As per list of recommended brands as category I | | |
| | MAT-02953 | A | 63-100A 3 Pole MCCB,16 KA | 1 No | 7040 |
| | MAT-02954 | B | 63-100A 4 Pole MCCB,16 KA | 1 No | 7590 |
| | MAT-02955 | C | 125A 3 Pole MCCB,25 KA | 1 No | 8250 |
| | MAT-02956 | D | 125A 4 Pole MCCB,25 KA | 1 No | 9570 |
| | MAT-02957 | E | 160A 3 Pole MCCB,25 KA | 1 No | 10450 |
| | MAT-02958 | F | 160A 4 Pole MCCB,25 KA | 1 No | 13420 |
| | MAT-02959 | G | 250A 3 Pole MCCB,36/35 KA | 1 No | 17050 |
| | MAT-02960 | H | 250A 4 Pole MCCB,36/35 KA | 1 No | 22495 |
| | MAT-02961 | I | 400A 3 Pole MCCB,36/35 KA | 1 No | 22375 |
| | MAT-02962 | J | 400A 4 Pole MCCB,36/35 KA | 1 No | 28050 |
| | MAT-02963 | K | 630A 3 Pole MCCB,50 KA | 1 No | 33550 |
| | MAT-02964 | L | 630A 4 Pole MCCB,50 KA | 1 No | 41250 |
| | MAT-02965 | M | 800A 3 Pole MCCB,50 KA | 1 No | 61600 |
| | MAT- | N | 800A 4 Pole MCCB,50 KA | 1 No | 66000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 02966 | | | | |
| | | O | 16 - 50A 3 Pole MCCB, 16KA | 1 No | 5575 |
| | | P | 16 - 50A 4 Pole MCCB, 16KA | 1 No | 7000 |
| | | Q | 200A 3 Pole MCCB,25 KA | 1 No | 12258 |
| | | R | 200A 4 Pole MCCB,25 KA | 1 No | 15591 |
| | | S | 300/320A 3 Pole MCCB,36/35 KA | 1 No | 22650 |
| | | T | 300/320A 4 Pole MCCB,36/35 KA | 1 No | 26600 |
| | | U | 500A 3 Pole MCCB,50 KA | 1 No | 31984 |
| | | V | 500A 4 Pole MCCB,50 KA | 1 No | 40494 |
| 62 | | ELEC-2.9.2 | Supply of, Adjustable, Confirms to IEC 60947-2 and IS 13947-Part 1&2 having Breaking Capacity with thermal magnetic release Panel Mounted. Makes : As per list of recommended brands as category II | | |
| | MAT-02967 | A | 63-100A 3 Pole MCCB,16 KA | 1 No | 4950 |
| | MAT-02968 | B | 63-100A 4 Pole MCCB,16 KA | 1 No | 6435 |
| | MAT-02969 | C | 125A 3 Pole MCCB,25 KA | 1 No | 6270 |
| | MAT-02970 | D | 125A 4 Pole MCCB,25 KA | 1 No | 8195 |
| | MAT-02971 | E | 160A 3 Pole MCCB,25 KA | 1 No | 8580 |
| | MAT-02972 | F | 160A 4 Pole MCCB,25 KA | 1 No | 11330 |
| | MAT-02973 | G | 250A 3 Pole MCCB,36/35 KA | 1 No | 16720 |
| | MAT-02974 | H | 250A 4 Pole MCCB,36/35 KA | 1 No | 20240 |
| | MAT-02975 | I | 400A 3 Pole MCCB,36/35 KA | 1 No | 21010 |
| | MAT-02976 | J | 400A 4 Pole MCCB,36/35 KA | 1 No | 25190 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02977 | K | 630A 3 Pole MCCB,50 KA | 1 No | 29700 |
| | MAT-02978 | L | 630A 4 Pole MCCB,50 KA | 1 No | 35860 |
| | MAT-02979 | M | 800A 3 Pole MCCB,50 KA | 1 No | 51150 |
| | MAT-02980 | N | 800A 4 Pole MCCB,50 KA | 1 No | 57200 |
| | | O | 16 - 50A 3 Pole MCCB, 16KA | 1 No | 3329 |
| | | P | 16 - 50A 4 Pole MCCB, 16KA | 1 No | 3929 |
| | | Q | 200A 3 Pole MCCB,25 KA | 1 No | 11458 |
| | | R | 200A 4 Pole MCCB,25 KA | 1 No | 14717 |
| | | S | 300/320A 3 Pole MCCB,36/35 KA | 1 No | 19992 |
| | | T | 300/320A 4 Pole MCCB,36/35 KA | 1 No | 24563 |
| | | U | 500A 3 Pole MCCB,50 KA | 1 No | 26632 |
| | | V | 500A 4 Pole MCCB,50 KA | 1 No | 32989 |
| | | | PANEL MOUNTING ACBs (Microprocessor Based) | | |
| 63 | | ELEC-2.9.3 | Supply of Air Circuit Breaker Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, short circuit and earth fault Protection with display and 20 faults History backup with BMS compatible communication ports. Makes : As per list of recommended brands as category I | | |
| | MAT-02981 | a | 630A 3 Pole, 50kA Electrically fixed | 1 No | 127050.00 |
| | MAT-02982 | b | 630A 3 Pole, 50kA Electrically drawout | 1 No | 165770.00 |
| | MAT-02983 | c | 630A 4 Pole, 50kA Electrically fixed | 1 No | 153670.00 |
| | MAT-02984 | d | 630A 4 Pole, 50kA Electrically drawout | 1 No | 205700.00 |
| | MAT-02985 | e | 800A 3 Pole, 50kA Electrically drawout | 1 No | 175450.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-02986 | f | 800A 4 Pole, 50kA Electrically drawout | 1 No | 217800.00 |
| | MAT-02987 | g | 1000A 3 Pole, 50kA Electrically drawout | 1 No | 183920.00 |
| | MAT-02988 | h | 1000A 4 Pole, 50kA Electrically drawout | 1 No | 229900.00 |
| | MAT-02989 | i | 1250A 3 Pole, 50kA Electrically drawout | 1 No | 242000.00 |
| | MAT-02990 | j | 1250A 4 Pole, 50kA Electrically drawout | 1 No | 296450.00 |
| | MAT-02991 | k | 1600A 3 Pole, 50kA Electrically drawout | 1 No | 272250.00 |
| | MAT-02992 | l | 1600A 4 Pole, 50kA Electrically drawout | 1 No | 314600.00 |
| | MAT-02993 | m | 2000A 3 Pole, 75kA Electrically drawout | 1 No | 318230.00 |
| | MAT-02994 | n | 2000A 4 Pole, 75kA Electrically drawout | 1 No | 387200.00 |
| | MAT-02995 | o | 2500A 3 Pole, 75kA Electrically drawout | 1 No | 435600.00 |
| | MAT-02996 | p | 2500A 4 Pole, 75kA Electrically drawout | 1 No | 532400.00 |
| | MAT-02997 | q | 3200A 3 Pole, 75kA Electrically drawout | 1 No | 447700.00 |
| | MAT-02998 | r | 3200A 4 Pole, 75kA Electrically drawout | 1 No | 568700.00 |
| 64 | | ELEC-2.9.4 | Supply of Air Circuit Breaker Confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having over load, short circuit and earth fault Protection with display and 20 faults History backup with BMS compatible communication ports. Makes : As per list of recommended brands as category II | | |
| | MAT-02999 | a | 630A 3 Pole, 50kA Electrically fixed | 1 No | 111320.00 |
| | MAT-03000 | b | 630A 3 Pole, 50kA Electrically drawout | 1 No | 145200.00 |
| | MAT- | c | 630A 4 Pole, 50kA Electrically fixed | 1 No | 127050.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03001 | | | | |
| | MAT-03002 | d | 630A 4 Pole, 50kA Electrically drawout | 1 No | 175450.00 |
| | MAT-03003 | e | 800A 3 Pole, 50kA Electrically drawout | 1 No | 151250.00 |
| | MAT-03004 | f | 800A 4 Pole, 50kA Electrically drawout | 1 No | 193600.00 |
| | MAT-03005 | g | 1000A 3 Pole, 50kA Electrically drawout | 1 No | 169400.00 |
| | MAT-03006 | h | 1000A 4 Pole, 50kA Electrically drawout | 1 No | 193600.00 |
| | | | AIR INSULATED BUS DUCT | | |
| 65 | | ELEC-2.9.5 | Supply, instalation, testing and commisioning of .....Amp, .....KA breaking capacity (100% Neutral busbar) air insulated compact Raising mains/Bus Duct system made of CRCA sheet/Hot Galvanized steel encloser of thickness not less than 0.8 mm having degree of protection of IP 55 as per IEC/EN 61439-6, PVC/Plastic insulated reinforced with glass fibre four strip ALUMINIUM busbar in convinent sections including necessary end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc.,with necessary joints Fire barrrier at each floor Provision of tapping at each floor/every meter,continuous earthing with 2 nos alluminium strip of suitable size (one on each side0 including GI clamping brackets,angle iron brackets,steel fastners,connecting to earth system as required . Makes : As per list of recommended brands. | | |
| | MAT-03007 | a | 400Amp, 50 - 53KA | RM | 10385 |
| | MAT-03008 | b | 630Amp, 50 - 63KA | RM | 12344 |
| | MAT-03009 | c | 800 Amp, 50 - 76KA | RM | 13531 |
| | MAT-03010 | d | 1000 Amp, 50 - 76KA | RM | 15548 |
| | MAT-03011 | e | 1250 Amp, 50 - 76KA | RM | 16261 |
| | MAT-03012 | f | 1600 Amp, 50 - 76KA | RM | 20415 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 66 | MAT-03013 | ELEC-2.9.6 | Supply and Fixing of Spring Bracket with fixing kit for Air Insulated Busduct / Raising Mains. Makes : As per list of recommended brands. | 1 No | 6172 |
| 67 | | ELEC-2.9.7 | Supply and Fixing of Amps Horizontal / Vertical bends for Air Insulated Bus Duct . Makes : As per list of recommended brands. | | |
| | MAT-03014 | a | 400 Amps | 1 No | 11869 |
| | MAT-03015 | b | 630 Amps | 1 No | 13531 |
| | MAT-03016 | c | 800 Amps | 1 No | 14124 |
| | MAT-03017 | d | 1000Amps | 1 No | 16557 |
| | MAT-03018 | e | 1250 Amps | 1 No | 17804 |
| | MAT-03019 | f | 1600 Amps | 1 No | 20177 |
| 68 | | ELEC-2.9.8 | Supply and Fixing of .....Amps Tap off box for Air Insulated Busduct. Makes : As per list of recommended brands. | | |
| | MAT-03020 | a | 125A | 1 No | 14124 |
| | MAT-03021 | b | 250A | 1 No | 16379 |
| | MAT-03022 | c | 400A | 1 No | 24213 |
| | MAT-03023 | d | 630 A | 1 No | 26349 |
| | | | SANDWITCH BUSDUCT | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 69 | | ELEC-2.9.9 | Supply, instalation, testing and commisioning of .....Amp, .....KA breaking capacity (100% Neutral busbar) sandwich Busduct system made of CRCA sheet/Hot Galvanized steel encloser of thickness not less than 1.5mm having degree of protection of IP 55/IP 65 as per IEC/EN 61439-6, PVC/Plastic insulated reinforced with glass fibre four strip ALUMINIUM busbar in convinent sections including end cover units suitable for 415 volts 3 phase, 4 wire, 50 Hz A.C. System,etc., with necessary joints Fire barrier at each floor Provision of tapping at each floor/every meter,continuous earthing with 2 nos alluminium strip of suitable size (one on each side0 including GI clamping brackets,angle iron brackets,steel fastners,connecting to earth system as required . Makes : As per list of recommended brands. | | |
| | MAT-03024 | a | 630Amp, 36/40 | RM | 12700 |
| | MAT-03025 | b | 800Amp, 42/50KA | RM | 14243 |
| | MAT-03026 | c | 1000Amp, 50KA | RM | 15667 |
| | MAT-03027 | d | 1250 Amp,75kA | RM | 16379 |
| | MAT-03028 | e | 1600 Amp,80 kA | RM | 20533 |
| | MAT-03029 | f | 2000 Amp ,80kA | RM | 25162 |
| | MAT-03030 | g | 2500 Amp ,150 kA | RM | 36082 |
| | MAT-03031 | h | 3200 Amp,160kA | RM | 41779 |
| | MAT-03032 | i | 4000 Amp,160kA | RM | 55903 |
| 70 | | ELEC-2.9.10 | Supply and Fixing of .....Amps Horizontal / Vertical bends for sandwich Bus Duct . Makes : As per list of recommended brands. | | |
| | MAT-03033 | a | 630A | 1 No | 12937 |
| | MAT-03034 | b | 800A | 1 No | 14005 |
| | MAT- | c | 1000A | 1 No | 14599 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03035 | | | | |
| | MAT-03036 | d | 1250 A | 1 No | 15786 |
| | MAT-03037 | e | 1600 A | 1 No | 18041 |
| | MAT-03038 | f | 2000 A | 1 No | 21008 |
| | MAT-03039 | g | 2500 A | 1 No | 26468 |
| | MAT-03040 | h | 3200 A | 1 No | 32165 |
| | MAT-03041 | i | 4000 A | 1 No | 36082 |
| 71 | | ELEC-2.9.11 | Supply and Fixing of Amps Copper Flexibles for three phases and neutral for Air Insulated / sandwich Busduct . Makes : As per list of recommended brands. | | |
| | MAT-03042 | a | 400A | 1 No | 27655 |
| | MAT-03043 | b | 630A | 1 No | 29316 |
| | MAT-03044 | c | 800A | 1 No | 31928 |
| | MAT-03045 | d | 1000A | 1 No | 33589 |
| | MAT-03046 | e | 1250 A | 1 No | 35607 |
| | MAT-03047 | f | 1600 A | 1 No | 38337 |
| | MAT-03048 | g | 2000 A | 1 No | 41779 |
| | MAT-03049 | h | 2500 A | 1 No | 47476 |
| | MAT-03050 | i | 3200 A | 1 No | 50799 |
| | MAT-03051 | j | 4000 A | 1 No | 54241 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 72 | | ELEC-2.9.12 | Supply and fixing of Flange end for .....Amps for Air insulated Busdusts . Makes : As per list of recommended brands. | | |
| | MAT-03052 | a | 400A | 1 No | 10682 |
| | MAT-03053 | b | 630A | 1 No | 14599 |
| | MAT-03054 | c | 800A | 1 No | 18041 |
| 73 | | ELEC-2.9.13 | Supply and fixing of Flange end for .....Amps for Sandwich Busdusts Makes : As per list of recommended brands. | | |
| | MAT-03055 | a | 400A | 1 No | 12937 |
| | MAT-03056 | b | 630A | 1 No | 18516 |
| | MAT-03057 | c | 800A | 1 No | 21483 |
| | MAT-03058 | d | 1000 A | 1 No | 22670 |
| | MAT-03059 | e | 1250 A | 1 No | 15667 |
| | MAT-03060 | f | 1600 A | 1 No | 17685 |
| | MAT-03061 | g | 2000 A | 1 No | 27536 |
| | MAT-03062 | h | 2500 A | 1 No | 46645 |
| | MAT-03063 | i | 3200 A | 1 No | 51037 |
| | MAT-03064 | j | 4000 A | 1 No | 53648 |
| 74 | | ELEC-2.9.14 | Supply and Fixing of .....Amps Tap off box for Sandwich Busduct. Makes : As per list of recommended brands. | | |
| | MAT- | a | 160A | 1 No | 17804 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03065 | | | | |
| | MAT-03066 | b | 250A | 1 No | 29910 |
| | MAT-03067 | c | 400A | 1 No | 37862 |
| | MAT-03068 | d | 630A | 1 No | 54953 |
| | MAT-03069 | e | 800A | 1 No | 82490 |
| | | | | | |
| | | 2.10 | MCBs (AS PER IS:60898-1:2002) | | |
| 75 | | ELEC-2.10.1 | Supply of ,..... 10KA C/D Curve ISI Mark. Makes : As per list of recommended brands as category I | | |
| | MAT-03070 | a | 6-32A SP MCB | 1 No | 240 |
| | MAT-03071 | b | 40-63A SP MCB | 1 No | 506 |
| | MAT-03072 | c | 6-32A DP MCB | 1 No | 728 |
| | MAT-03073 | d | 40-63A DP MCB | 1 No | 1158 |
| | MAT-03074 | e | 6-32A TP MCB | 1 No | 1158 |
| | MAT-03075 | f | 40-63A TP MCB | 1 No | 1860 |
| | MAT-03076 | g | 6-32A FP MCB | 1 No | 1594 |
| | MAT-03077 | h | 40-63A FP MCB | 1 No | 2322 |
| 76 | | ELEC-2.10.2 | Supply of ,..... 10KA C/D Curve ISI Mark. Makes : As per list of recommended brands as category II | | |
| | MAT-03078 | a | 6-32A SP MCB | 1 No | 202 |
| | MAT-03079 | b | 40-63A SP MCB | 1 No | 437 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03080 | c | 6-32A DP MCB | 1 No | 614 |
| | MAT-03081 | d | 40-63A DP MCB | 1 No | 886 |
| | MAT-03082 | e | 6-32A TP MCB | 1 No | 956 |
| | MAT-03083 | f | 40-63A TP MCB | 1 No | 1442 |
| | MAT-03084 | g | 6-32A FP MCB | 1 No | 1303 |
| | MAT-03085 | h | 40-63A FP MCB | 1 No | 1809 |
| 77 | | ELEC-2.10.3 | Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes : As per list of recommended brands as category III | | |
| | MAT-03086 | a | 6-32A SP MCB | 1 No | 164 |
| | MAT-03087 | b | 40-63A SP MCB | 1 No | 278 |
| | MAT-03088 | c | 6-32A DP MCB | 1 No | 430 |
| | MAT-03089 | d | 40-63A DP MCB | 1 No | 633 |
| | MAT-03090 | e | 6-32A TP MCB | 1 No | 772 |
| | MAT-03091 | f | 40-63A TP MCB | 1 No | 1202 |
| | MAT-03092 | g | 6-32A FP MCB | 1 No | 1012 |
| | MAT-03093 | h | 40-63A FP MCB | 1 No | 1290 |
| | | 2.11 | ISOLATORS CONFIRMS TO I E C 60947 PART-III | | |
| 78 | | ELEC-2.11.1 | Supply of Isolator. Makes : As per list of recommended brands as category I. | | |
| | MAT-03094 | a | 32A DP | 1 No | 412 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03095 | b | 40A DP | 1 No | 455 |
| | MAT-03096 | c | 63A DP | 1 No | 601 |
| | MAT-03097 | d | 40A TP | 1 No | 772 |
| | MAT-03098 | e | 63A TP | 1 No | 911 |
| | MAT-03099 | f | 40A FP | 1 No | 1012 |
| | MAT-03100 | g | 63A FP | 1 No | 1139 |
| | MAT-03101 | h | 100A FP | 1 No | 1202 |
| 79 | | ELEC-2.11.2 | Supply of Isolator. Makes : As per list of recommended brands as category II | | |
| | MAT-03102 | a | 32A DP | 1 No | 399 |
| | MAT-03103 | b | 40A DP | 1 No | 417 |
| | MAT-03104 | c | 63A DP | 1 No | 506 |
| | MAT-03105 | d | 40A TP | 1 No | 721 |
| | MAT-03106 | e | 63A TP | 1 No | 734 |
| | MAT-03107 | f | 40A FP | 1 No | 835 |
| | MAT-03108 | g | 63A FP | 1 No | 898 |
| | MAT-03109 | h | 100A FP | 1 No | 1107 |
| 80 | | ELEC-2.11.3 | Supply of..... Isolator. Makes : As per list of recommended brands as category III | | |
| | MAT-03110 | a | 32A DP | 1 No | 266 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03111 | b | 40A DP | 1 No | 316 |
| | MAT-03112 | c | 63A DP | 1 No | 430 |
| | MAT-03113 | d | 40A TP | 1 No | 462 |
| | MAT-03114 | e | 63A TP | 1 No | 531 |
| | MAT-03115 | f | 40A FP | 1 No | 715 |
| | | 2.12 | RCCBs(ELCB/RCD) CONFIRMS TO IEC:61008 AND IS:12640-1 | | |
| 81 | | ELEC-2.12.1 | Supply of RCCB for earth leakage protection. Makes : As per list of recommended brands as category I. | | |
| | MAT-03116 | a | 40A 2 Pole,30mA | 1 No | 3378 |
| | MAT-03117 | b | 40A 2 Pole,100mA | 1 No | 3580 |
| | MAT-03118 | c | 40A 4 Pole30mA | 1 No | 3719 |
| | MAT-03119 | d | 40A 4 Pole ,100mA | 1 No | 3858 |
| | MAT-03120 | e | 63A 2 Pole,30mA, | 1 No | 4175 |
| | MAT-03121 | f | 63A 2 Pole,100mA | 1 No | 4111 |
| | MAT-03122 | g | 63A 4 Pole,30mA | 1 No | 4301 |
| | MAT-03123 | h | 63A 4 Pole,100mA | 1 No | 4782 |
| 82 | | ELEC-2.12.2 | Supply of RCCB for earth leakage protection. Makes : As per list of recommended brands as category II | | |
| | MAT-03124 | a | 40A 2 Pole,30mA | 1 No | 2846 |
| | MAT- | b | 40A 2 Pole,100mA | 1 No | 2910 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03125 | | | | |
| | MAT-03126 | c | 40A 4 Pole30mA | 1 No | 3163 |
| | MAT-03127 | d | 40A 4 Pole ,100mA | 1 No | 3289 |
| | MAT-03128 | e | 63A 2 Pole,30mA, | 1 No | 3555 |
| | MAT-03129 | f | 63A 2 Pole,100mA | 1 No | 3643 |
| | MAT-03130 | g | 63A 4 Pole,30mA | 1 No | 3782 |
| | MAT-03131 | h | 63A 4 Pole,100mA | 1 No | 3795 |
| | | | RCBO CONFIRMS TO IEC:61009-1 | | |
| 83 | | ELEC-2.12.3 | Supply of .....RCBO for over load, short-circuit and earth leakage protection. Makes : As per list of recommended brands. | | |
| | MAT-03132 | a | 40A 2 Pole,30mA | 1 No | 5756 |
| | MAT-03133 | b | 40A 2 Pole,100mA | 1 No | 6287 |
| | MAT-03134 | c | 40A 4 Pole30mA | 1 No | 6540 |
| | MAT-03135 | d | 40A 4 Pole ,100mA | 1 No | 6920 |
| | MAT-03136 | e | 63A 2 Pole,30mA, | 1 No | 6882 |
| | MAT-03137 | f | 63A 2 Pole,100mA | 1 No | 7286 |
| | MAT-03138 | g | 63A 4 Pole,30mA | 1 No | 7717 |
| | MAT-03139 | h | 63A 4 Pole,100mA | 1 No | 7868 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-08761 | i | Supply of MCB type Changeover switch 20A Double Pole 2 Way 400V AC suitable to fix on Din Channel | | 2277 |
| | | 2.13 | MCB DISTRIBUTION BOARDS (AS PER IS 8623; IS 13032; IEC 61439-3) | | |
| | | | SPN DBs | | |
| 84 | | ELEC-2.13.1 | Supply of .....Protection suitable for S.P out goings and for 1 No Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category I. | | |
| | MAT-03140 | a | 4 Way SPN DB with IP 30 , 4Nos | 1 No | 1107 |
| | MAT-03141 | b | 8 Way SPN DB with IP 30, 8 Nos | 1 No | 1202 |
| | MAT-03142 | c | 12 Way SPN DB with IP 30, 12 Nos | 1 No | 1455 |
| | MAT-03143 | d | 4 Way SPN DB with IP 43, 4 Nos | 1 No | 1518 |
| | MAT-03144 | e | 8 Way SPN DB with IP 43, 8 Nos | 1 No | 1645 |
| | MAT-03145 | f | 12 Way SPN DB with IP 43, 12 Nos | 1 No | 1993 |
| 85 | | ELEC-2.13.2 | Supply of .....Protection suitable for S.P out goings and for 1 No Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category II. | | |
| | MAT-03146 | a | 4 Way SPN DB with IP 30 , 4Nos | 1 No | 949 |
| | MAT-03147 | b | 8 Way SPN DB with IP 30, 8 Nos | 1 No | 1012 |
| | MAT-03148 | c | 12 Way SPN DB with IP 30, 12 Nos | 1 No | 1265 |
| | MAT-03149 | d | 4 Way SPN DB with IP 43, 4 Nos | 1 No | 1328 |
| | MAT-03150 | e | 8 Way SPN DB with IP 43, 8 Nos | 1 No | 1455 |
| | MAT-03151 | f | 12 Way SPN DB with IP 43, 12 Nos | 1 No | 1708 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 86 | | ELEC-2.13.3 | Supply of .....Protection suitable for S.P out goings and for 1 No Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category III . | | |
| | MAT-03152 | a | 4 Way SPN DB with IP 30 , 4Nos | 1 No | 822 |
| | MAT-03153 | b | 8 Way SPN DB with IP 30, 8 Nos | 1 No | 886 |
| | MAT-03154 | c | 12 Way SPN DB with IP 30, 12 Nos | 1 No | 1107 |
| | MAT-03155 | d | 4 Way SPN DB with IP 43, 4 Nos | 1 No | 1189 |
| | MAT-03156 | e | 8 Way SPN DB with IP 43, 8 Nos | 1 No | 1265 |
| | MAT-03157 | f | 12 Way SPN DB with IP 43, 12 Nos | 1 No | 1518 |
| | | | TPN DBs | | |
| 87 | | ELEC-2.13.4 | Supply of Protection suitable for .....S.P. out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category I. | | |
| | MAT-03158 | a | (8 +12) 4 Way TPN DB Horizontal with IP 30, 12 Nos | 1 No | 2151 |
| | MAT-03159 | b | (8 +18) 6 Way TPN DB Horizontal with IP 30, 18 Nos | 1 No | 3036 |
| | MAT-03160 | c | (8 +12) 4 Way TPN DB Horizontal with IP 43, 12 Nos | 1 No | 3416 |
| | MAT-03161 | d | (8 +18) 6 Way TPN DB Horizontal with IP 43, 18 Nos | 1 No | 4807 |
| | MAT-03162 | e | (8 +24) 8 Way TPN DB Horizontal with IP 43, 24 Nos | 1 No | 5440 |
| 88 | | ELEC-2.13.5 | Supply of Protection suitable for .....S.P. out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category II. | | |
| | MAT-03163 | a | (8 +12) 4 Way TPN DB Horizontal with IP 30, 12 Nos | 1 No | 1961 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03164 | b | (8 +18) 6 Way TPN DB Horizontal with IP 30, 18 Nos | 1 No | 2720 |
| | MAT-03165 | c | (8 +12) 4 Way TPN DB Horizontal with IP 43, 12 Nos | 1 No | 3036 |
| | MAT-03166 | d | (8 +18) 6 Way TPN DB Horizontal with IP 43, 18 Nos | 1 No | 4175 |
| | MAT-03167 | e | (8 +24) 8 Way TPN DB Horizontal with IP 43, 24 Nos | 1 No | 4807 |
| 89 | | ELEC-2.13.6 | Supply of Protection suitable for S.P. out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category III. | | |
| | MAT-03168 | a | (8 +12) 4 Way TPN DB Horizontal with IP 30, 12 Nos | 1 No | 1771 |
| | MAT-03169 | b | (8 +18) 6 Way TPN DB Horizontal with IP 30, 18 Nos | 1 No | 2404 |
| | MAT-03170 | c | (8 +12) 4 Way TPN DB Horizontal with IP 43, 12 Nos | 1 No | 2340 |
| | MAT-03171 | d | (8 +18) 6 Way TPN DB Horizontal with IP 43, 18 Nos | 1 No | 3036 |
| | MAT-03172 | e | (8 +24) 8 Way TPN DB Horizontal with IP 43, 24 Nos | 1 No | 3542 |
| | | | VTPN DBs | | |
| 90 | | ELEC-2.13.7 | Supply of Protection suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category I . | | |
| | MAT-03173 | a | 4 Way VTPN DB with IP 43 | 1 No | 8766 |
| | MAT-03174 | b | 6 Way VTPN DB with IP 43 | 1 No | 10158 |
| | MAT-03175 | c | 8 Way VTPN DB with IP 43 | 1 No | 11271 |
| 91 | | ELEC-2.13.8 | Supply of 7 Segment DB with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and .....Nos SPMCB's as out going as per IS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category I | | |
| | MAT-03176 | a | 4 Way TPN DB, 12 Nos | 1 No | 9045 |
| | MAT-03177 | b | 8 Way TPN DB, 24 Nos | 1 No | 10310 |
| 92 | | ELEC-2.13.9 | Supply of .....suitable for accomodating 125A / 160A 4 Pole MCCB as incomer and TP/SP MCBs as outgoing etc., as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category I. | | |
| | MAT-03178 | a | 4 Way VTPN DB with IP 43 Protection. | 1 No | 11410 |
| | MAT-03179 | b | 8 Way VTPN DB with IP 43 Protection. | 1 No | 14332 |
| 93 | | ELEC-2.13.10 | Supply of Protection suitable for TP/SP out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. . Makes : As per list of recommended brands as category II. | | |
| | MAT-03180 | a | 4 Way VTPN DB with IP 43 | 1 No | 7717 |
| | MAT-03181 | b | 6 Way VTPN DB with IP 43 | 1 No | 8223 |
| | MAT-03182 | c | 8 Way VTPN DB with IP 43 | 1 No | 9614 |
| 94 | | ELEC-2.13.11 | Supply of 7 Segment with IP 42 Protection with provision for FPMCB / Isolator / RCCB / RCBO as incomer, 3Nos DPMCB / Isolator / RCCB / RCBO as sub incomer and .....Nos SPMCB's as out going. etc.,as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category II. | | |
| | MAT-03183 | a | 4 Way TPN DB,12 Nos | 1 No | 8096 |
| | MAT-03184 | b | 8 Way TPN DB,24 Nos | 1 No | 9235 |
| 95 | | ELEC-2.13.12 | Supply of .....suitable for accomodating 125A / 160A 4 Pole MCCB as incomer and TP/SP MCBs as outgoing etc., as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category II. | | |
| | MAT- | a | 4 Way VTPN DB with IP 43 Protection. | 1 No | 9235 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03185 | | | | |
| | MAT-03186 | b | 8 Way VTPN DB with IP 43 Protection. | 1 No | 11638 |
| 96 | | ELEC-2.13.13 | Supply of Plug and Socket in SS enclosure. Makes : As per list of recommended brands as category I. | | |
| | MAT-03187 | a | 20A SP | 1 No | 1247 |
| | MAT-03188 | b | 20A TP | 1 No | 2360 |
| | MAT-03189 | c | 32A TP | 1 No | 2783 |
| 97 | | ELEC-2.13.14 | Supply of Plug and Socket in SS enclosures per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category II. | | |
| | MAT-03190 | a | 20A SP | 1 No | 886 |
| | MAT-03191 | b | 20A TP | 1 No | 1581 |
| | MAT-03192 | c | 32A TP | 1 No | 2087 |
| 98 | | ELEC-2.13.15 | Supply of 20A SP Plug and Socket in SS enclosure etc., as per IS 8623; IS 13032; IEC 61439-3. . Makes : As per list of recommended brands as category III. | | |
| | MAT-03193 | a | 20A SP | 1 No | 665 |
| | MAT-03194 | b | 20A TP | 1 No | 1265 |
| | MAT-03195 | c | 32A TP | 1 No | 1771 |
| 99 | | ELEC-2.13.16 | Supply of Enclosure with IP 20 Protection etc., complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category I. | | |
| | MAT-03196 | a | SP | 1 No | 380 |
| | MAT- | b | DP/TP/FP | 1 No | 506 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03197 | | | | |
| 100 | | ELEC-2.13.17 | Supply of Enclosure with IP 20 Protection etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes : As per list of recommended brands as category II. | | |
| | MAT-03198 | a | SP | 1 No | 291 |
| | MAT-03199 | b | DP/TP/FP | 1 No | 417 |
| 101 | | ELEC-2.13.18 | Supply of Enclosure with IP 20 Protection. Makes : As per list of recommended brands as category III. | | |
| | MAT-03200 | a | SP | 1 No | 266 |
| | MAT-03201 | b | DP/TP/FP | 1 No | 392 |
| | | | SECTION - 3 | | |
| | | 3.1 | STREET LIGHT LUMINAIRES | | |
| | MAT-03202 | ELEC-3.1.1 | deleted | 1 No | |
| | MAT-03203 | ELEC-3.1.2 | deleted | 1 No | |
| | MAT-03204 | ELEC-3.1.3 a | Deleted | 1 No | |
| | MAT-03205 | ELEC-3.1.3 b | Deleted | 1 No | |
| | MAT-03206 | ELEC-3.1.3 c | Deleted | 1 No | |
| | MAT-03207 | ELEC-3.1.4a | Deleted | 1 No | |
| | MAT-03208 | ELEC-3.1.4 b | Deleted | 1 No | |
| | MAT-03209 | ELEC-3.1.4 c | Deleted | 1 No | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03210 | ELEC-3.1.5 a | Deleted | 1 No | |
| | MAT-03212 | ELEC-3.1.6 a | Deleted | 1 No | |
| | MAT-03214 | ELEC-3.1.7 a | Deleted | 1 No | |
| | MAT-03215 | ELEC-3.1.7 b | Deleted | 1 No | |
| | | 3.2 | LED POST TOP LANTERN LUMINAIRES | | |
| 102 | MAT-03218 | ELEC-3.2.1 | Supply and Transportation of 40W LED Post top lantern made with cast Alluminium with decorative opel polycarbonate diffuser with IP 65 protection etc., complete with all accessories Makes : As per list of recommended brands. | 1 No | 7820 |
| 103 | MAT-03219 | ELEC-3.2.2 | Supply and Transportation of 25 W Post Top lantern made with high Pressure die cast alluminium bodywith polycarbonate / high impact Poly carbonate protector for optimal luminous flux ,IP66 suitable for vertical mounting of 76 mm dia.the luminaire shall have CCT 3000-4000K with internal surge protection of 4KV and External Surge Protection of 10 KV ,Pf>0.95 etc., Makes : As per list of recommended brands. | 1 No | 17480 |
| 104 | MAT-03220 | ELEC-3.2.3 | Supply and Transportation of 35/40 W Post Top lantern made with high Pressure die cast alluminium bodywith polycarbonate / high impact PMMA protector for optimal luminous flux ,IP66 suitable for vertical mounting of 76 mm dia.the luminaire shall have CCT 3000-4000K with internal surge protection of 4KV and External Surge Protection of 10 KV ,Pf>0.95 etc., complete Makes : As per list of recommended brands. | 1 No | 21620 |
| 105 | MAT-08762 | ELEC-3.2.4 | Supply and Transportation of 20 W LED Post top lantern made with cast Alluminium with decorative opel polycarbonate diffuser with IP 65 protection etc., complete with all accessories Makes : As per list of recommended brands. | 1 No | 4200 |
| | | 3.3 | ACCESSORIES FOR MV / SV / MH LUMINAIRES | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|------------------------|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | COPPER BALLASTS | | |
| | MAT-03221 | ELEC-3.3.1 a | Deleted | 1 No | |
| | MAT-03222 | ELEC-3.3.1 b | Deleted | 1 No | |
| | MAT-03223 | ELEC-3.3.1 c | Deleted | 1 No | |
| | MAT-03224 | ELEC-3.3.1 d | Deleted | 1 No | |
| | MAT-03225 | ELEC-3.3.2 a | Deleted | 1 No | |
| | MAT-03226 | ELEC-3.3.2 b | Deleted | 1 No | |
| | MAT-03227 | ELEC-3.3.2 c | Deleted | 1 No | |
| | MAT-03228 | ELEC-3.3.2 d | Deleted | 1 No | |
| | | | IGNITOR | | |
| | MAT-03229 | ELEC-3.3.3 | Deleted | 1 No | |
| | | | HPF CAPACITORS | | |
| | MAT-03230 | ELEC-3.3.4 a | Deleted | 1 No | |
| | MAT-03231 | ELEC-3.3.4 b | Deleted | 1 No | |
| | MAT-03232 | ELEC-3.3.4 c | Deleted | 1 No | |
| | MAT-03233 | ELEC-3.3.4 d | Deleted | 1 No | |
| | MAT-03234 | ELEC-3.3.4 e | Deleted | 1 No | |
| | MAT-03235 | ELEC-3.3.4 f | Deleted | 1 No | |
| | | 3.4 | LAMPS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---------------------|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03236 | ELEC-3.4.1 a | Deleted | 1 No | |
| | MAT-03237 | ELEC-3.4.1 b | Deleted | 1 No | |
| | MAT-03238 | ELEC-3.4.1 c | Deleted | 1 No | |
| | MAT-03239 | ELEC-3.4.1 d | Deleted | 1 No | |
| | MAT-03240 | ELEC-3.4.1 e | Deleted | 1 No | |
| | MAT-03241 | ELEC-3.4.1 f | Deleted | 1 No | |
| | MAT-03242 | ELEC-3.4.1 g | Deleted | 1 No | |
| | MAT-03243 | ELEC-3.4.1 h | Deleted | 1 No | |
| | MAT-03244 | ELEC-3.4.1 i | Deleted | 1 No | |
| | MAT-03245 | ELEC-3.4.2 a | Deleted | 1 No | |
| | MAT-03246 | ELEC-3.4.2 b | Deleted | 1 No | |
| | MAT-03247 | ELEC-3.4.2 c | Deleted | 1 No | |
| | MAT-03248 | ELEC-3.4.2 d | Deleted | 1 No | |
| | MAT-03249 | ELEC-3.4.2 e | Deleted | 1 No | |
| | MAT-03250 | ELEC-3.4.2 f | Deleted | 1 No | |
| | MAT-03251 | ELEC-3.4.2 g | Deleted | 1 No | |
| | MAT-03252 | ELEC-3.4.2 h | Deleted | 1 No | |
| | MAT-03253 | ELEC-3.4.2 i | Deleted | 1 No | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 3.5 | AUTOMATIC STREET LIGHT CONTROL SYSTEMS | | |
| 106 | | ELEC-3.5.1 | Supply of Automatic Street Light Control System with Optical Micro Sensor, Low voltage / 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 of single phase load with necessary clamping arrangements. Makes : As per list of recommended brands. | | |
| | MAT-03254 | a | 1 KW | 1 No | 9900 |
| | MAT-03255 | b | 3 KW | 1 No | 12430 |
| | MAT-03256 | c | 5 KW | 1 No | 12980 |
| | MAT-03257 | d | 8 KW | 1 No | 14850 |
| 107 | | ELEC-3.5.2 | Supply of Automatic Street Light Control System with Optical Micro Sensor, Low voltage / 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 of Three phase load with necessary clamping arrangements. Makes : As per list of recommended brands. | | |
| | MAT-03258 | a | 5 KW | 1 No | 16280 |
| | MAT-03259 | b | 8 KW | 1 No | 16830 |
| | MAT-03260 | c | 12 KW | 1 No | 20350 |
| | MAT-03261 | d | 25KW | 1 No | 32340 |
| | MAT-03262 | e | 50KW | 1 No | 46200 |
| 108 | | ELEC-3.5.3 | Supply and fixing of Automatic Street Light Controller with optical micro scanner low voltage/ High Voltage trip and reset operating voltage 150 - 280V AC, withstands up to 440V , 50 HZ with suitable ABS enclosure of IP 54 protection, suitable to control the load of 10A of single phase with | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | necessary arrangements etc complete Makes : As per list of recommended brands. | | |
| | MAT-08763 | a | SLASM-01-10A /equivalent (Dusk to Dawn) | 1 No | 3500 |
| | MAT-08764 | b | SLASM-02-10A /equivalent (Time setting after 4hr | 1 No | 4500 |
| | MAT-08765 | c | SLASM-03-10A /equivalent (Time setting 4hr,6Hr, 8Hr) | 1 No | 4200 |
| | | 3.6 | INTERNAL LUMINAIRES | | |
| | MAT-03263 | ELEC-3.6.1 a | Deleted | 1 No | |
| | MAT-03264 | ELEC-3.6.1 b | Deleted | 1 No | |
| | MAT-03265 | ELEC-3.6.2 a | Deleted | 1 No | |
| | MAT-03266 | ELEC-3.6.2 b | Deleted | 1 No | |
| | MAT-03267 | ELEC-3.6.3 | Deleted | 1 No | |
| | | | ACCESSORIES | | |
| | MAT-03268 | ELEC-3.6.4 | Deleted | 1 No | |
| | MAT-03269 | ELEC-3.6.5 | Deleted | 1 No | |
| | MAT-03270 | ELEC-3.6.6 | Deleted | 1 No | |
| | MAT-03271 | ELEC-3.6.7 | Deleted | 1 No | |
| | MAT-03272 | ELEC-3.6.8 | Deleted | 1 No | |
| | MAT-03273 | ELEC-3.6.9 | Deleted | 1 No | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03274 | ELEC-3.6.10 | Deleted | 1 No | |
| | MAT-03275 | ELEC-3.6.11 | Deleted | 1 No | |
| | | 3.7 | FLOURSCENT TUBES / CFL LAMPS / LED BULBS | | |
| | MAT-03276 | ELEC-3.7.1 | Deleted | 1 No | |
| | MAT-03277 | ELEC-3.7.2 | Deleted | 1 No | |
| | MAT-03278 | ELEC-3.7.3 | Deleted | 1 No | |
| 109 | | ELEC-3.7.4 | Supply of Pin type CFL Lamp. Makes : As per list of recommended brands. | | |
| | MAT-03279 | a | 9W | 1 No | 66 |
| | MAT-03280 | b | 11W | 1 No | 77 |
| | MAT-03281 | c | 13W | 1 No | 99 |
| | MAT-03282 | d | 18W | 1 No | 105 |
| | MAT-03283 | e | 36W | 1 No | 138 |
| | | | LED BULBS | | |
| 110 | | ELEC-3.7.5 | Supply of Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, . Makes : As per list of recommended brands. | | |
| | MAT-03284 | a | 0.5W LED | 1 No | 46 |
| | MAT-03285 | b | 3.0W LED | 1 No | 101 |
| | MAT-03286 | c | 5.0W LED | 1 No | 110 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03287 | d | 7.0W LED | 1 No | 129 |
| 111 | MAT-03292 | ELEC-3.7.6 | Supply of 3W to 5W 3000K, AC 160-260V, LED Candel Lamp for shandliers. Makes : As per list of recommended brands. | 1 No | 184 |
| 112 | MAT-08797 | ELEC-3.7.7 | Supply of 9W/10W LED Mirror Light fitting with decorative grey end caps, polycarbonate body and opal acrylic diffuser etc. Makes : As per list of recommended brands. | 1 No | 550 |
| | | 3.8 | LED LUMINAIRES INDOOR | | |
| | | | DOWN LIGHTERS | | |
| 113 | | ELEC-3.8.1 | Supply and fixing of..... heavy duty LED Down lighter, suitable for Recessed mounting made of pressure diecast aluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 100 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete Makes : As per list of recommended brands as category I. | | |
| | MAT-03294 | a | 6W | 1 No | 690 |
| | MAT-03295 | b | 9W | 1 No | 874 |
| | MAT-03296 | c | 12W | 1 No | 1265 |
| | MAT-03297 | d | 15W | 1 No | 1357 |
| | MAT-03298 | e | 18W | 1 No | 1449 |
| 114 | | ELEC-3.8.2 | Supply and fixing of heavy duty LED Down lighter, suitable for Recessed / Surface mounting made of pressure diecast aluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 90 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete Makes : As per list of recommended brands as category II. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03299 | a | 6W | 1 No | 644 |
| | MAT-03300 | b | 9W | 1 No | 819 |
| | MAT-03301 | c | 12W | 1 No | 1187 |
| | MAT-03302 | d | 15W | 1 No | 1274 |
| | MAT-03303 | e | 18W | 1 No | 1362 |
| 115 | | ELEC-3.8.3 | Supply and fixing of..... heavy duty LED Down lighter, suitable for Recessed / Surface mounting made of pressure diecast aluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 80 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete Makes : As per list of recommended brands as category III. | | |
| | MAT-03304 | a | 6W | 1 No | 561 |
| | MAT-03305 | b | 9W | 1 No | 722 |
| | MAT-03306 | c | 12W | 1 No | 1021 |
| | MAT-03307 | d | 15W | 1 No | 1099 |
| | MAT-03308 | e | 18W | 1 No | 1182 |
| | | | LED PANEL LIGHTS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 116 | | ELEC-3.8.4 | Supply and fixing of..... LED Slim Panel Round /Square suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 100 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete. Makes : As per list of recommended brands as category I. | | |
| | MAT-03309 | a | 3W | 1 No | 267 |
| | MAT-03310 | b | 6W | 1 No | 460 |
| | MAT-03311 | c | 12W | 1 No | 764 |
| | MAT-03312 | d | 15W | 1 No | 966 |
| | MAT-03313 | e | 18W | 1 No | 1058 |
| | MAT-03314 | f | 24W | 1 No | 1334 |
| | MAT-03315 | g | 36W/40W (600mm x 600mm) square type | 1 No | 3266 |
| 117 | | ELEC-3.8.5 | Supply and fixing of LED Slim Panel Round / Square suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 90 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category II. | | |
| | MAT-03316 | a | 3W | 1 No | 258 |
| | MAT-03317 | b | 6W | 1 No | 451 |
| | MAT-03318 | c | 12W | 1 No | 736 |
| | MAT- | d | 15W | 1 No | 943 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03319 | | | | |
| | MAT-03320 | e | 18W | 1 No | 1012 |
| | MAT-03321 | f | 24W | 1 No | 1242 |
| | MAT-03322 | g | 36W/40W (600mm x 600mm) square type | 1 No | 3174 |
| 118 | | ELEC-3.8.6 | Supply and fixing of..... LED Slim Panel Round / Square suitable for Recessed / Surface mounting made of diecast aluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 80 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category III. | | |
| | MAT-03323 | a | 3W | 1 No | 244 |
| | MAT-03324 | b | 6W | 1 No | 423 |
| | MAT-03325 | c | 12W | 1 No | 690 |
| | MAT-03326 | d | 15W | 1 No | 920 |
| | MAT-03327 | e | 18W | 1 No | 952 |
| | MAT-03328 | f | 24W | 1 No | 1196 |
| | | | COB DOWN LIGHTS | | |
| 119 | | ELEC-3.8.7 | Supply and fixing of..... LED COB Down lighter, suitable for Recessed mounting made of pressure diecast aluminium housing with powder coating, with high efficiency reflector , 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 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category I. | | |
| | MAT-03329 | a | 9 / 10 W | 1 No | 1242 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03330 | b | 15 / 16 W | 1 No | 1610 |
| | MAT-03331 | c | 18 / 20 W | 1 No | 1794 |
| | MAT-03332 | d | 30 W | 1 No | 2852 |
| | MAT-03333 | f | 45 W | 1 No | 3128 |
| 120 | | ELEC-3.8.8 | Supply and fixing of LED COB Down lighter, suitable for Recessed mounting made of pressurediecast aluminium housing with powder coating, with high efficiency reflector , 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 lumens / watt, CCT: 3000K - 5700K, minimum CRI>70, etc., complete. Makes : As per list of recommended brands as category II. | | |
| | MAT-03334 | a | 9 / 10 W | 1 No | 1196 |
| | MAT-03335 | b | 15/ 16W | 1 No | 1518 |
| | MAT-03336 | c | 18 / 20W | 1 No | 1702 |
| | MAT-03337 | d | 30W | 1 No | 2760 |
| | | | SPOT LIGHTS / WALL WASHERS | | |
| 121 | | ELEC-3.8.9 | Supply and Transportation of LED COB Spot Light, suitable for Recessed mounting made of diecast aluminium body with powder coating, with Driver, operating voltage range of 150 to 265 Volts AC, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category I. | | |
| | MAT-03338 | a | 2/3 W | 1 No | 414 |
| | MAT-03339 | b | 5/6 W | 1 No | 506 |
| | MAT-03340 | c | 7 W | 1 No | 966 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 122 | | ELEC-3.8.10 | Supply and fixing of LED COB Spot Light, suitable for Recessed mounting made of diecast aluminium body with powder coating, with Driver, operating voltage range of 150 to 265 Volts AC, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category II. | | |
| | MAT-03341 | a | 2/3 W | 1 No | 368 |
| | MAT-03342 | b | 5/6 W | 1 No | 460 |
| | MAT-03343 | c | 7 W | 1 No | 920 |
| 123 | | ELEC-3.8.11 | Supply and fixing of..... LED single colour Wall washer, 1000mm length, IP65, made of diecast aluminium body with powder coating, with Driver, operating voltage range of 150 to 265 Volts AC, CCT: 3000-4000K , beam angle 25/45 degrees, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category I. | | |
| | MAT-03344 | a | 18W | 1 No | 3772 |
| | MAT-03345 | b | 24W | 1 No | 4416 |
| 124 | | ELEC-3.8.12 | Supply and fixing of..... LED single colour Wall washer, 1000mm length, IP67, made of diecast aluminium body with powder coating, with Driver, operating voltage range of 150 to 265 Volts AC, CCT: 3000-4000K , beam angle 15/25/45/60 degrees, minimum CRI>70, .etc., complete Makes : As per list of recommended brands as category II. | | |
| | MAT-03346 | a | 18W | 1 No | 3496 |
| | MAT-03347 | b | 24W | 1 No | 4278 |
| | | | LED BATTENS AND 2' x 2' LUMINARIES | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 125 | MAT-03348 | ELEC-3.8.13 | Supply and fixing of 20-24W, not less than 1100mm length LED batten light with extruded aluminium housing and polycarbonate cover, 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 : As per list of recommended brands as category I. | 1 No | 736 |
| 126 | MAT-03349 | ELEC-3.8.14 | Supply and fixing of 20-24W, not less than 1100mm length LED batten light with extruded aluminium housing and polycarbonate cover, 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 : As per list of recommended brands as category II. | 1 No | 662 |
| 127 | MAT-03350 | ELEC-3.8.15 | Supply and fixing of 20-24W, not less than 1100mm length LED batten light with extruded aluminium housing and polycarbonate cover, 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 : As per list of recommended brands as category III. | 1 No | 552 |
| 128 | MAT-03351 | ELEC-3.8.16 | Supply and fixing of 20W,2000 lumens T8, , not less than 1100 mm length LED retrofit tube light with aluminium anodised body, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete. as per IS 10322 (Part 5/ Sec 1)..2012 Makes : As per list of recommended brands as category I. | 1 No | 653 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 129 | MAT-03352 | ELEC-3.8.17 | Supply and fixing of 20W,1900 lumens T8,not less than 1100mm length LED retrofit tube light with aluminium anodised body, input voltage AC 220 - 260 Volts with PF>0.9, Surge protection: 2KV,THD<10%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete as per IS 10322 (Part 5/ Sec 1)..2012 Makes : As per list of recommended brands as category II. | 1 No | 598 |
| 130 | MAT-03353 | ELEC-3.8.18 | Supply of not less than 1100mm length,Box type powder coated tube light luminaire with necessary wiring suitable for fixing 2 Nos retrofit T8 LED tubes but without tube and choke. Makes : As per list of recommended brands. | 1 No | 267 |
| 131 | MAT-03354 | ELEC-3.8.19 | Supply of not less than 1100mm length,Box type powder coated tube light luminaire with necessary wiring suitable for fixing 1 No retrofit T8 LED tube but without tube and choke. Makes : As per list of recommended brands. | 1 No | 230 |
| 132 | | ELEC-3.8.20 | Supply, transportation and fixing of Recessed / Surface mounting 2' x 2' (600x600 mm) LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , 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 > 100 lumens / watt, CCT: 3000K - 5700K, minimum CRI>70, .etc.,, complete. Makes : As per list of recommended brands as category I. | | |
| | MAT-03355 | a | 36 W | 1 No | 3220 |
| | MAT-03356 | b | 45 W | 1 No | 3588 |
| 133 | | ELEC-3.8.21 | Supply, transportation and fixing of Recessed / Surface mounting 2' x 2' (600x600 mm)LED luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current out put of Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 operating voltage range of 150 to 265 Volts AC, Power factor > 0.9 high power LEDs having efficacy of > 90 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 10% etc., complete. Makes : As per list of recommended brands as category II. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | | | |
| | MAT-03357 | a | 36 W | 1 No | 3036 |
| | MAT-03358 | b | 45 W | 1 No | 3404 |
| 134 | MAT-03359 | ELEC-3.8.22 | Supply of 10W LED Bulk head fitting with Pressure die cast alluminum with opal diffuser with IP 65 Protection etc., complete., Makes : As per list of recommended brands as category I. | 1 No | 1012 |
| 135 | | ELEC-3.8.22 | Supply, Transportation and Fixing of .....W, 1100mm length Linear Profile LED Luminaire recessed/surface mounted with Aluminum extrusion, powder coated cover, input voltage AC 90-270 Volts with PF>0.95, with high power LEDs having efficacy of ≥ 100 lumens / watt, System efficacy >95 lm/W, surge protection: 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI>70, .etc., complete including fixing of 23W Linear light duly recessed in the ceiling/surface mounted by hanging from ceiling with necessary mounting arrangements, jointing kit, connecting wire leads etc., and all accessories, giving connections and all labour charges etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-08766 | a | 20/25W | 1 No | 3465 |
| | MAT-08767 | b | 40W | 1 No | 5940 |
| | | | LED STREET LIGHTS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 136 | | ELEC-3.8.23 | Supply and transportation of LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having System efficacy > 100 lm/W and junction temperature < 70°C, with Ingress protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, In house additional Surge protection 10 KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete. Makes : As per list of recommended brands as category I. | | |
| | MAT-03360 | a | 20W | 1 No | 1822 |
| | MAT-03361 | b | 30W | 1 No | 2852 |
| | MAT-03362 | c | 45W | 1 No | 4324 |
| | MAT-03363 | d | 60W | 1 No | 5428 |
| 137 | | ELEC-3.8.24 | Supply and transportation of LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's System efficacy >110 lm/W and junction temperature < 70°C, with Ingress protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, In house additional Surge protection 10 KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete. Makes : As per list of recommended brands as category I. | | |
| | MAT-03364 | a | 90W | 1 No | 8464 |
| | MAT-03365 | b | 120W | 1 No | 10948 |
| | MAT-03366 | c | 150W | 1 No | 12650 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03367 | d | 180W | 1 No | 14260 |
| | MAT-03368 | e | 210W | 1 No | 18400 |
| 138 | | ELEC-3.8.25 | Supply and transportation of .....LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's System efficacy >100lm/W and junction temperature < 70°C, with Ingress protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, In house additional Surge protection ≥ 10KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete, Makes : As per list of recommended brands as category II. | | |
| | MAT-03369 | a | 20W | 1 No | 1702 |
| | MAT-03370 | b | 30W | 1 No | 2650 |
| | MAT-03371 | c | 45W | 1 No | 4140 |
| | MAT-03372 | d | 60W | 1 No | 5152 |
| | MAT-03373 | e | 90W | 1 No | 8004 |
| | MAT-03374 | f | 120W | 1 No | 9660 |
| | MAT-03375 | g | 150W | 1 No | 11592 |
| | MAT-03376 | h | 180W | 1 No | 13248 |
| | MAT-03377 | i | 210W | 1 No | 16146 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 139 | | ELEC-3.8.26 | Supply and transportation of LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having System efficacy >90 lm/W and junction temperature < 70°C, with Ingrees protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, In house additional Surge protection ≥ 10KV with optics distribution Type II medium, THD<10% at 110 Volts AC, driver efficiency >90%, w, CCT: 3000K - 5700K, minimum CRI>70, etc., complete. Makes : As per list of recommended brands as category III. | | |
| | MAT-03378 | a | 20W | 1 No | 1615 |
| | MAT-03379 | b | 30W | 1 No | 2346 |
| | MAT-03380 | c | 45W | 1 No | 3864 |
| | MAT-03381 | d | 60W | 1 No | 4784 |
| | MAT-03382 | e | 90W | 1 No | 7452 |
| | MAT-03383 | f | 120W | 1 No | 8740 |
| | | | FLOOD LIGHTS | | |
| 140 | | ELEC-3.8.27 | Supply and transportation of LED Flood light Luminaire made of pressure diecast aluminium housing with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's System efficacy >100lm/W and junction temperature < 70°C, with Ingrees protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), IK05, Driver surge protection 4KV, In house additional Surge protection ≥ 10KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete Makes : As per list of recommended brands as category I. | | |
| | MAT-03384 | a | 50/60W | 1 No | 5382 |
| | MAT-03385 | b | 90/100W | 1 No | 9522 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03386 | c | 120W | 1 No | 12337 |
| | MAT-03387 | d | 150W | 1 No | 14490 |
| | MAT-03388 | e | 200W | 1 No | 17388 |
| | MAT-03389 | f | 250W | 1 No | 20286 |
| | MAT-03390 | g | 300 W | 1 No | 24012 |
| | MAT-03391 | h | 400W | 1 No | 27738 |
| 141 | | ELEC-3.8.28 | Supply and transportation of LED Flood light Luminaire made of pressure diecast aluminium housing with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's System efficacy >100lm/W and junction temperature < 70°C, with Ingress protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), IK05, Driver surge protection 4KV, In house additional Surge protection ≥ 10KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete Makes : As per list of recommended brands as category II. | | |
| | MAT-03392 | a | 50/60W | 1 No | 4802 |
| | MAT-03393 | b | 90/100W | 1 No | 8694 |
| | MAT-03394 | c | 120W | 1 No | 11178 |
| | MAT-03395 | d | 150W | 1 No | 13248 |
| | MAT-03396 | e | 200W | 1 No | 15732 |
| | | | HIGH BAY LIGHTS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 142 | | ELEC-3.8.29 | Supply and transportation of LED High Bay Luminaire with high power COB LED made of pressure diecast aluminium housing with powder coated, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >100 lumines/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingress protection IP66, IK05, Driver surge protection 4KV, In house additional 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 Makes : As per list of recommended brands as category I. | | |
| | MAT-03400 | a | 60W | 1 No | 7820 |
| | MAT-03401 | b | 90W | 1 No | 10120 |
| | MAT-03402 | c | 120W | 1 No | 11500 |
| | MAT-03403 | d | 150W | 1 No | 13340 |
| 143 | | ELEC-3.8.30 | Supply and transportation of LED High Bay Luminaire with high power COB LED made of pressure diecast aluminium housing with powder coated, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >100 lumines/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingress protection IP65, IK05, Driver surge protection 4KV, In house additional 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 Makes : As per list of recommended brands as category II. | | |
| | MAT-03404 | a | 60W | 1 No | 7360 |
| | MAT-03405 | b | 90W | 1 No | 9016 |
| | MAT-03406 | c | 120W | 1 No | 10580 |
| | MAT-03407 | d | 150W | 1 No | 12420 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 144 | | ELEC-3.8.31 | Supply and transportation of LED Linear Wall washer of Size mm with high power LED's made of pressure diecast aluminium housing with powder coated, Supply Input voltage 120 - 270 V AC, leads to 24 V DC out put Voltage Drives with beam angle of 15/25/45/60 , P.F > 0.90, having efficacy >100 lumens/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingress protection IP66, IK05, with multi colour(Red or Yellow or Green or blue or White) etc., complete Makes : As per list of recommended brands. | | |
| | MAT-05492 | a | 18 W , 1000 X 38 X 58 mm | 1 No | 8648 |
| | MAT-05493 | b | 24 W , 1000 X 38 X 58 mm | 1 No | 9108 |
| | MAT-05494 | c | 36 W , 1000 X 38 X 86 mm | 1 No | 10580 |
| | MAT-05495 | d | 48 W , 1000 X 60 X 100 mm | 1 No | 12788 |
| | | | RGB/RGBW LED Lighting | | |
| 145 | | ELEC-3.8.32 | Supply and transportation of IP 66 RGBW LED Flood light Luminaries made of pressure die cast aluminium housing with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, leads to 24 V DC output Voltage drives RGB LED's with light angle 60°, surge protection 6KV and junction temperature < 70°C, CRI>70,P.F>0.9,suitable for RGB DMX 512 controller etc., complete Makes : As per list of recommended brands. | | |
| | MAT-05496 | a | 90W | 1 No | 23460 |
| | MAT-05497 | b | 120W | 1 No | 26680 |
| 146 | | ELEC-3.8.33 | Supply and transportation of RGB LED Linear Wall washer of Size mm with high power LED's made of pressure diecast aluminium housing with powder coated, Supply Input voltage 120 - 270 V AC, leads to 24 V DC out put Voltage Drives with beam angle of 15/25/45/60 , P.F > 0.90, having efficacy >100 lumens/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingress protection IP66, IK05,suitable for RGB DMX 512 controller etc., Makes : As per list of recommended brands. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05498 | a | 18 W , 1000 X 38 X 58 mm | 1 No | 10304 |
| | MAT-05499 | b | 24 W , 1000 X 38 X 58 mm | 1 No | 10856 |
| | MAT-05500 | c | 36 W , 1000 X 38 X 58 mm | 1 No | 12144 |
| | MAT-05501 | d | 48 W , 1000 X 60 X 100 mm | 1 No | 15364 |
| 147 | MAT-05502 | ELEC-3.8.34 | Supply,transportation and installation of stand alone USB -DMX controller to control a wide variety of different DMX systems from RGB/RGbW ,including 1024 DMX channels,Input power 5-5.5 V DC 0.6 A with programmability on PC ,MAC,tablet,smart phone with micro SD card etc complete Makes : As per list of recommended brands. | 1 No | 78000 |
| 148 | MAT-05503 | ELEC-3.8.35 | Supply,Transportation and Installation of DMX splitter/booster in the existing junction box with necessary connections. Makes : As per list of recommended brands. | 1 No | 16000 |
| 149 | MAT-05504 | ELEC-3.8.36 | Supply,Transportation and Installation of DMX-DC-5A,Decoder in the existing junction box with necessary connections. Makes : As per list of recommended brands. | 1 No | 5200 |
| 150 | MAT-05505 | ELEC-3.8.37 | Supply,Transportation and Installation of DC 24V input DMX Data Repeater in the existing junction box with necessary connections. Makes : As per list of recommended brands. | 1 No | 3900 |
| 151 | MAT-05506 | ELEC-3.8.38 | Supply,Transportation and Installation of 350W,non-water proof,DC 24V Constant Voltage Power Supply(Driver) Unit in the existing junction box with necessary connections. Makes : As per list of recommended brands. | 1 No | 4900 |
| 152 | MAT-05507 | ELEC-3.8.39 | Supply,Transportation and Installation of 350W,non-water proof,DC 12V,1.25 A Constant Voltage Power Supply(Driver) Unit in the existing junction box with necessary connections. Makes : As per list of recommended brands. | 1 No | 3200 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | LED DRIVERS | | |
| 153 | | ELEC-3.8.40 | Supply and transportation of LED Driver as per IS 15885 (Part 2 / Sec 13)..2012 with input line voltage 120V-270V AC, 50Hz with surge protection more than 2.5 KV, IP20, suitable for LED indoor luminaire, with 2 Years Warranty. Makes : As per list of recommended brands. | | |
| | MAT-03408 | a | 6/9 W | 1 No | 225 |
| | MAT-03409 | b | 12/15/18/20 W | 1 No | 325 |
| | MAT-03410 | c | 36 W | 1 No | 475 |
| | MAT-03411 | d | 40/45 W | 1 No | 575 |
| 154 | | ELEC-3.8.41 | Supply and transportation of LED Driver as per IS 15885 (Part 2 / Sec 13)..2012 with input line voltage 120V-270V AC, 50Hz with surge protection of 4.0 KV, IP20, suitable for LED street light fitting with 2 Years Warranty. Makes : As per list of recommended brands. | | |
| | MAT-03412 | a | 15-30 W | 1 No | 350 |
| | MAT-03413 | b | 45-90 W | 1 No | 800 |
| | MAT-03414 | c | 120-180 W | 1 No | 1400 |
| | | | SECTION - 4 | | |
| | | 4.1 | U.G. CABLES | | |
| 155 | | ELEC-4.1.1 | Supply and transportation of following XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I)/1554-I Makes : As per list of recommended brands as category I. | | |
| | MAT-03415 | a | 4 sqmm X2 core | 1 RM | 106.00 |
| | MAT-03416 | b | 6 sqmm X2 core | 1 RM | 129.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03417 | c | 10 sqmm X2 core | 1 RM | 156.00 |
| | MAT-03418 | d | 6 SqmmX 4 core | 1 RM | 172.00 |
| | MAT-03419 | e | 10SqmmX 4 core | 1 RM | 202.00 |
| | MAT-03420 | f | 16 SqmmX 4 core | 1 RM | 238.00 |
| | MAT-03421 | g | 25 SqmmX 3.5 core | 1 RM | 291.00 |
| | MAT-03422 | h | 35SqmmX 3.5 core | 1 RM | 360.00 |
| | MAT-03423 | i | 50 SqmmX 3.5 core | 1 RM | 477.00 |
| | MAT-03424 | j | 70 SqmmX 3.5 core | 1 RM | 641.00 |
| | MAT-03425 | k | 95 SqmmX 3.5 core | 1 RM | 800.00 |
| | MAT-03426 | l | 120 SqmmX 3.5 core | 1 RM | 995.00 |
| | MAT-03427 | m | 150 SqmmX 3.5 core | 1 RM | 1159.00 |
| | MAT-03428 | n | 185 SqmmX 3.5 core | 1 RM | 1467.00 |
| | MAT-03429 | o | 240 SqmmX 3.5 core | 1 RM | 1867.00 |
| | MAT-03430 | p | 300SqmmX 3.5 core | 1 RM | 2272.00 |
| | MAT-03431 | q | 400SqmmX 3.5 core | 1 RM | 2923.00 |
| 156 | | ELEC - 4.1.2 | Supply and transportation of following XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I)/1554-I. Makes : As per list of recommended brands as category II. | | |
| | MAT-03432 | a | 4 sqmm X2 core | 1 RM | 100.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|-----------------------------|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03433 | b | 6 sqmm X2 core | 1 RM | 113.00 |
| | MAT-03434 | c | 10 sqmm X2 core | 1 RM | 138.00 |
| | MAT-03435 | d | 6 SqmmX 4 core | 1 RM | 145.00 |
| | MAT-03436 | e | 10SqmmX 4 core | 1 RM | 158.00 |
| | MAT-03437 | f | 16 SqmmX 4 core | 1 RM | 176.00 |
| | MAT-03438 | g | 25 SqmmX 3.5 core | 1 RM | 225.00 |
| | MAT-03439 | h | 35SqmmX 3.5 core | 1 RM | 263.00 |
| | MAT-03440 | i | 50 SqmmX 3.5 core | 1 RM | 348.00 |
| | MAT-03441 | j | 70 SqmmX 3.5 core | 1 RM | 448.00 |
| | MAT-03442 | k | 95 SqmmX 3.5 core | 1 RM | 586.00 |
| | MAT-03443 | l | 120 SqmmX 3.5 core | 1 RM | 720.00 |
| | MAT-03444 | m | 150 SqmmX 3.5 core | 1 RM | 826.00 |
| | MAT-03445 | n | 185 SqmmX 3.5 core | 1 RM | 989.00 |
| | MAT-03446 | o | 240 SqmmX 3.5 core | 1 RM | 1252.00 |
| | MAT-03447 | p | 300SqmmX 3.5 core | 1 RM | 1515.00 |
| | MAT-03448 | q | 400SqmmX 3.5 core | 1 RM | 1965.00 |
| | | | 33 KV HT XLPE CABLES | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 157 | | ELEC-4.1.3 | Supply and Transportation of XLPE insulated IS:7098/II/85 H.T.cable for working voltage 33 K.V. Earthed with Stranded Compacted Circular Aluminium Conductor Screened with Extruded Semi-conducting compound, XLPE Insulated Screened with extruded semi-conducting compound in combination with Copper Tape, cores laid up, inner sheath of Thermoplastic tape, galvanised flat steel strip armoured and overall Extruded PVC Type ST- 2 Outer Sheathed cable etc complete. Makes : As per list of recommended brands. | | |
| | MAT-03449 | a | 3C X 95 Sqmm | 1 RM | 2435.00 |
| | MAT-03450 | b | 3C X 120 Sqmm | 1 RM | 2673.00 |
| | MAT-03451 | c | 3C X 150 Sqmm | 1 RM | 2952.00 |
| | MAT-03452 | d | 3C X 185 Sqmm | 1 RM | 3270.00 |
| | MAT-03453 | e | 3C X 240 Sqmm | 1 RM | 3727.00 |
| | MAT-03454 | f | 3C X 300 Sqmm | 1 RM | 4209.00 |
| | MAT-03455 | g | 3C X 400 Sqmm | 1 RM | 4897.00 |
| | | | 11 KV HT XLPE CABLES | | |
| 158 | | ELEC-4.1.4 | Supply and Transportation of XLPE insulated IS:7098/II/85 H.T.cable for working voltage 11 K.V Earthed with Stranded Compacted Circular Aluminium Conductor Screened with Extruded Semi-conducting compound, XLPE Insulated Screened with extruded semi-conducting compound in combination with Copper Tape, cores laid up, inner sheath of Thermoplastic tape, galvanised flat steel strip armoured and overall Extruded PVC Type ST- 2 Outer Sheathed cable etc complete. Makes : As per list of recommended brands. | | |
| | MAT-03456 | a | 3C X 35 Sqmm | 1 RM | 806.00 |
| | MAT-03457 | b | 3C X 50 Sqmm | 1 RM | 925.00 |
| | MAT- | c | 3C X 70 Sqmm | 1 RM | 1100.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03458 | | | | |
| | MAT-03459 | d | 3C X 95 Sqmm | 1 RM | 1316.00 |
| | MAT-03460 | e | 3C X 120 Sqmm | 1 RM | 1519.00 |
| | MAT-03461 | f | 3C X 150 Sqmm | 1 RM | 1702.00 |
| | MAT-03462 | g | 3C X 185 Sqmm | 1 RM | 1989.00 |
| | MAT-03463 | h | 3C X 240 Sqmm | 1 RM | 2394.00 |
| | MAT-03464 | i | 3C X 300 Sqmm | 1 RM | 2839.00 |
| | MAT-03465 | j | 3C X 400 Sqmm | 1 RM | 3467.00 |
| | | | Un Armoured and Armoured Copper Control Cables | | |
| 159 | | ELEC-4.1.5 | Supply and Transportation of XLPE/PVC insulated & PVC sheathed unarmoured control cables of 1.1 KV grade with copper conductor as per IS 7098 Part-I -1988 etc complete Makes : As per list of recommended brands. | | |
| | MAT-03466 | a | 2C x 1.5 sq.mm | 1 RM | 118.00 |
| | MAT-03467 | b | 3C x 1.5 sq.mm | 1 RM | 124.00 |
| | MAT-03468 | c | 4C x 1.5 sq.mm | 1 RM | 145.00 |
| | MAT-03469 | d | 5C x 1.5 sq.mm | 1 RM | 150.00 |
| | MAT-03470 | e | 6C x 1.5 sq.mm | 1 RM | 171.00 |
| | MAT-03471 | f | 8C x 1.5 sq.mm | 1 RM | 197.00 |
| | MAT-03472 | g | 10C x 1.5 sq.mm | 1 RM | 249.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03473 | h | 12C x 1.5 sq.mm | 1 RM | 275.00 |
| | MAT-03474 | i | 14C x 1.5 sq.mm | 1 RM | 307.00 |
| | MAT-03475 | j | 19C x 1.5 sq.mm | 1 RM | 386.00 |
| | MAT-03476 | k | 2C x 2.5 sq.mm | 1 RM | 131.00 |
| | MAT-03477 | l | 3C x 2.5 sq.mm | 1 RM | 150.00 |
| | MAT-03478 | m | 4C x 2.5 sq.mm | 1 RM | 176.00 |
| | MAT-03479 | n | 5C x 2.5 sq.mm | 1 RM | 197.00 |
| | MAT-03480 | o | 6C x 2.5 sq.mm | 1 RM | 275.00 |
| | MAT-03481 | p | 8C x 2.5 sq.mm | 1 RM | 328.00 |
| | MAT-03482 | q | 10C x 2.5 sq.mm | 1 RM | 380.00 |
| | MAT-03483 | r | 12C x 2.5 sq.mm | 1 RM | 426.00 |
| | MAT-03484 | s | 14C x 2.5 sq.mm | 1 RM | 478.00 |
| | MAT-03485 | t | 19C x 2.5 sq.mm | 1 RM | 556.00 |
| 160 | | ELEC-4.1.5 A | Supply and Transportation of stranded/solid copper conductor XLPE/PVC insulated & PVC sheathed, unarmoured and Overall Shielded instrumentation/control cables of 1.1 KV grade with copper conductor as per IS 7098 Part-I -1988 etc., complete. Makes : As per list of recommended brands. | | |
| | | a | 2 Core, 1.5 Sq.mm | 1 RM | 70 |
| | | b | 4 Core, 1.0 Sq.mm | 1 RM | 118 |
| 161 | | ELEC-4.1.5 B | Supply, Laying, Termination of ISI Certified (for Signal & Field devices, Third Party Integration ect...) ATSC, PVC insulated, armored, Tinned | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Copper, twisted, shielded, PE insulated, Cable with proper ferrules, lugs and other necessary accessories. The spec shall meet the system manufacturer specifications including all charges complete etc as directed by Engineer In Charge/ departmental authorities. Makes : As per list of recommended brands. | | |
| | | a | 2 Core 1.5 sq.mm | 1 RM | 65 |
| | | b | 4 Core 1.5 sq.mm | 1 RM | 94 |
| 162 | | ELEC-4.1.5 C | Supply of Shielded unarmoured Cable, as per the survey done, Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands. | | |
| | | a | 2 Core .75 sqmm | 1 RM | 94 |
| | | b | 4 Core .75 sqmm | 1 RM | 126 |
| | | c | 8 Core .75 sqmm | 1 RM | 176 |
| 163 | | ELEC-4.1.6 | Supply and Transportation of XLPE/PVC insulated & PVC sheathed armoured cables of 1.1 KV grade with copper conductor as per IS 7098 Part-I -1988 etc complete. Makes : As per list of recommended brands. | | |
| | MAT-03486 | a | 2Cx1.5 sq.mm | 1 RM | 124.00 |
| | MAT-03487 | b | 2Cx2.5 sq.mm | 1 RM | 131.00 |
| | MAT-03488 | c | 2C x 4 sq.mm | 1 RM | 164.00 |
| | MAT-03489 | d | 2C x 6 sq.mm | 1 RM | 236.00 |
| | MAT-03490 | e | 2C x 10 sq.mm | 1 RM | 328.00 |
| | MAT-03491 | f | 2C x 16 sq.mm | 1 RM | 452.00 |
| | MAT-03492 | g | 3C x 4 sq.mm | 1 RM | 207.00 |
| | MAT-03493 | h | 3C x 6 sq.mm | 1 RM | 275.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03494 | i | 3C x 10 sq.mm | 1 RM | 343.00 |
| | MAT-03495 | j | 3C x 16 sq.mm | 1 RM | 481.00 |
| | MAT-03496 | k | 4C x 4 sq.mm | 1 RM | 288.00 |
| | MAT-03497 | l | 4C x 6 sq.mm | 1 RM | 412.00 |
| | MAT-03498 | m | 4C x 10 sq.mm | 1 RM | 618.00 |
| | MAT-03499 | n | 4C x 16 sq.mm | 1 RM | 1028.00 |
| | MAT-03500 | o | 4C x 25 sq.mm | 1 RM | 1649.00 |
| | MAT-03501 | p | 4C x 35 sq.mm | 1 RM | 2199.00 |
| | MAT-03502 | q | 4C x 50 sq.mm | 1 RM | 3160.00 |
| | MAT-03503 | r | 4C x 70 sq.mm | 1 RM | 4809.00 |
| | | | CABLE TERMINATIONS AND ACCESSORIES | | |
| 164 | | ELEC-4.1.7 | Supply and Making heat shrinkable type indoor/ outdoor/straight through terminations/joint kit of approved make suitable for XLPE insulated 33 KV cable, with required components, preparation of cable ends, testing etc. as required of following sizes. Makes : As per list of recommended brands. | | |
| | | | INDOOR | | |
| | MAT-03504 | a | 3 Core 95/120/150/185 sq mm | Set | 14611 |
| | MAT-03505 | b | 3 core 240/300/400 sqmm | Set | 20328 |
| | | | OUTDOOR | | |
| | MAT-03506 | c | 3 Core 95/120/150/185 sq mm | Set | 20328 |
| | MAT- | d | 3 core 240/300/400 sqmm | Set | 28587 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03507 | | | | |
| | | | STRAIGHT THROUGH | | |
| | MAT-03508 | e | 3 Core 95/120/150/185 sq mm | Set | 41292 |
| | MAT-03509 | f | 3 core 240/300/400 sqmm | Set | 60349 |
| 165 | | ELEC-4.1.8 | Supply and Making heat shrinkable type indoor /outdoor/straight through terminations/ joint kit of approved make suitable for XLPE insulated 11 KV cable, with required components, preparation of cable ends, testing etc. as required of following sizes. Makes : As per list of recommended brands. | | |
| | | | INDOOR | | |
| | MAT-03510 | a | 3 core 35/50 sqmm | Set | 6353.00 |
| | MAT-03511 | b | 3 core 70/95 sqmm | Set | 9529.00 |
| | MAT-03512 | c | 3 core 120/150/185 sqmm | Set | 10800.00 |
| | MAT-03513 | d | 3 core 240/300 sqmm | Set | 11308.00 |
| | MAT-03514 | e | 3 core 400/500 sqmm | Set | 11943.00 |
| | | | OUTDOOR | | |
| | MAT-03515 | f | 3 core 35/50 sqmm | Set | 10800.00 |
| | MAT-03516 | g | 3 core 70/95 sqmm | Set | 13341.00 |
| | MAT-03517 | h | 3 core 120/150/185 sqmm | Set | 14611.00 |
| | MAT-03518 | i | 3 core 240/300 sqmm | Set | 15882.00 |
| | MAT-03519 | j | 3 core400/500 sqmm | Set | 17787.00 |
| | | | STRAIGHT THROUGH | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03520 | k | 3 core 35/50 sqmm | Set | 17152.00 |
| | MAT-03521 | l | 3 core 70/95 sqmm | Set | 20328.00 |
| | MAT-03522 | m | 3 core 120/150/185 sqmm | Set | 23505.00 |
| | MAT-03523 | n | 3 core 240/300 sqmm | Set | 25410.00 |
| 166 | | ELEC-4.1.9 | Supply & Making heat shrinkable outdoor straight through joint for following size of PVC/ XLPE insulated aluminium conductor cable of 1.1 KV grade including cost of compound, sleeves etc. as required. Makes : As per list of recommended brands. | | |
| | MAT-03524 | a | 3.5core x 25/35/50 sq.mm | Set | 1906.00 |
| | MAT-03525 | b | 3.5 corex 70/95/120 sq.mm | Set | 3049.00 |
| | MAT-03526 | c | 3.5 corex 150/185/240 sq.mm | Set | 4447.00 |
| | MAT-03527 | d | 3.5core x 300/400 sq.mm | Set | 6988.00 |
| | MAT-03528 | e | 4 corex 6/10/16 sq.mm | Set | 1016.00 |
| 167 | | ELEC-4.1.10 | Supply and making one end termination with heavy duty double compression brass gland as per BS 6121:2005 ,IP 66 complete,SIBG type, heavy duty Alluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size. Makes : As per list of recommended brands. | | |
| | MAT-03529 | a | 3.5core x 25 sq.mm | Set | 273.00 |
| | MAT-03530 | b | 3.5core x 35 sq.mm | Set | 363.00 |
| | MAT-03531 | c | 3.5 corex 50 sq.mm | Set | 424.00 |
| | MAT-03532 | d | 3.5core x 70 sq.mm | Set | 629.00 |
| | MAT- | e | 3.5core x 95 sq.mm | Set | 721.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03533 | | | | |
| | MAT-03534 | f | 3.5core x 120 sq.mm | Set | 908.00 |
| | MAT-03535 | g | 3.5core x 150 sq.mm | Set | 1089.00 |
| | MAT-03536 | h | 3.5core x 185 sq.mm | Set | 1210.00 |
| | MAT-03537 | i | 3.5core x 240sq.mm | Set | 1815.00 |
| | MAT-03538 | j | 3.5core x 300 sq.mm | Set | 2178.00 |
| | MAT-03539 | k | 3.5core x 400 sq.mm | Set | 2904.00 |
| | MAT-03540 | l | 4 core x 6/10/16 sq.mm | Set | 278.00 |
| 168 | | ELEC-4.1.11 | Supply and making one end termination with heavy duty single compression brass gland as per BS 6121:2005 ,IP 66 complete, SIBG type, heavy duty Alluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size. Makes : As per list of recommended brands. | | |
| | MAT-03541 | a | 2 coreX4/6/10 sqmm | Set | 79.00 |
| | MAT-03542 | b | 4 coreX6/10/16 Sqmm | Set | 103.00 |
| | MAT-03543 | c | 3.5 coreX25 Sqmm | Set | 121.00 |
| | MAT-03544 | d | 3.5 coreX 35Sqmm | Set | 182.00 |
| | MAT-03545 | e | 3.5 coreX50 Sqmm | Set | 194.00 |
| | MAT-03546 | f | 3.5 coreX70 Sqmm | Set | 212.00 |
| | MAT-03547 | g | 3.5 coreX95 Sqmm | Set | 254.00 |
| | MAT- | h | 3.5 coreX120 Sqmm | Set | 303.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03548 | | | | |
| | MAT-03549 | i | 3.5 coreX150 Sqmm | Set | 545.00 |
| | MAT-03550 | j | 3.5 coreX185 Sqmm | Set | 666.00 |
| | MAT-03551 | k | 3.5 coreX240 Sqmm | Set | 787.00 |
| | MAT-03552 | l | 3.5 coreX300Sqmm | Set | 1089.00 |
| | MAT-03553 | m | 3.5 coreX400Sqmm | Set | 1452.00 |
| 169 | | ELEC-4.1.12 | Supply and making end termination with heavy copper lugs (pin/ ring type) as per IS specification, duly crimped with crimping tool, PVC tape etc of following size Makes : As per list of recommended brands. | | |
| | MAT-03554 | a | up to 16 sqmm | each | 25.00 |
| | MAT-03555 | b | 25 Sqmm | each | 34.00 |
| | MAT-03556 | c | 35Sqmm | each | 39.00 |
| | MAT-03557 | d | 50 Sqmm | each | 57.00 |
| | MAT-03558 | e | 70 Sqmm | each | 86.00 |
| | MAT-03559 | f | 95 Sqmm | each | 111.00 |
| 170 | | ELEC-4.1.13 | Supply and making end termination with heavy Alluminium lugs (pin/ ring type) as per IS specification duly crimped with crimping tool, PVC tape etc of following size Makes : As per list of recommended brands. | | |
| | MAT-03560 | a | up to 16 sqmm | each | 12.00 |
| | MAT-03561 | b | 25 Sqmm | each | 19.00 |
| | MAT- | c | 35Sqmm | each | 24.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03562 | | | | |
| | MAT-03563 | d | 50 Sqmm | each | 31.00 |
| | MAT-03564 | e | 70 Sqmm | each | 36.00 |
| | MAT-03565 | f | 95 Sqmm | each | 43.00 |
| | MAT-03566 | g | 120 Sqmm | each | 48.00 |
| | MAT-03567 | h | 150 Sqmm | each | 55.00 |
| | MAT-03568 | i | 185 Sqmm | each | 67.00 |
| | MAT-03569 | j | 240 Sqmm | each | 97.00 |
| | MAT-03570 | k | 300 Sqmm | each | 121.00 |
| | MAT-03571 | l | 400 Sqmm | each | 206.00 |
| | | 4.2 | CABLE TRAYS | | |
| 171 | | ELEC-4.2.1 | Supply, transportation & installation of following sizes of Hot Dipped Galvanized Iron perforated cable trays without cover, including horizontal and vertical bends, reducers tees, cross members and other accessories as required and duly suspended from the ceiling/Wall with suspenders etc., complete (NB:Add 30% Extra for perforated cable tray with cover) | | |
| | MAT-03572 | a | 100mm x 50mm x 1.6mm | 1 RM | 339.00 |
| | MAT-03573 | b | 150mm x 50mm x 1.6mm | 1 RM | 394.00 |
| | MAT-03574 | c | 300mm x 50mm x 1.6mm | 1 RM | 726.00 |
| | MAT-03575 | d | 450mm x 50mm x 2.0mm | 1 RM | 1053.00 |
| | MAT-03576 | e | 600mm x 50mm x 2.0mm | 1 RM | 1205.00 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03577 | f | 300mm x 62.5mm x 2.0mm | 1 RM | 871.00 |
| | MAT-03578 | g | 450mm x 62.5mm x 2.0mm | 1 RM | 1168.00 |
| | MAT-03579 | h | 600mm x 62.5mm x 2.0mm | 1 RM | 1447.00 |
| | MAT-03580 | i | 750mm x 62.5mm x 2.0mm | 1 RM | 1713.00 |
| | MAT-03581 | j | 900mm x 62.5mm x 2.0mm | 1 RM | 2033.00 |
| | MAT-03582 | k | 600mm x 75mm x 2.0mm | 1 RM | 1616.00 |
| | MAT-03583 | l | 750mm x 75mm x 2.0mm | 1 RM | 1779.00 |
| | MAT-03584 | m | 900mm x 75mm x 2.0mm | 1 RM | 2093.00 |
| 172 | | ELEC-4.2.2 | Supply, transportation & installation of following sizes of Hot Dipped Galvanized Iron ladder type cable trays with rungs at span of 250 mm including horizontal and vertical bends, reducers tees, cross members and other accessories as required and duly suspended from the ceiling/wall with suspenders and etc., complete | | |
| | MAT-03585 | a | 150mm x 50mm x 2.0mm | 1 RM | 496.00 |
| | MAT-03586 | b | 300mm x 50mm x 2.0mm | 1 RM | 624.00 |
| | MAT-03587 | c | 450mm x 50mm x 2.0mm | 1 RM | 823.00 |
| | MAT-03588 | d | 600mm x 75mm x 2.0mm | 1 RM | 1016.00 |
| | MAT-03589 | e | 750mm x 75mm x 2.0mm | 1 RM | 1077.00 |
| | MAT-03590 | f | 900mm x 75mm x 2.0mm | 1 RM | 1144.00 |
| | | 4.3 | DOUBLE WALLED CORRUGATED HDPE PIPE | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 173 | | ELEC-4.3.1 | Supply and Transportation of double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes : As per list of recommended brands. | | |
| | MAT-03591 | a | Outer dia 50mm and Inner dia 38mm | 1 RM | 109.00 |
| | MAT-03592 | b | Outer dia 63mm and Inner dia 51mm | 1 RM | 140.00 |
| | MAT-03593 | c | Outer dia 78mm and Inner dia 63mm | 1 RM | 169.00 |
| | MAT-03594 | d | Outer dia 90mm and Inner dia 76mm | 1 RM | 182.00 |
| | MAT-03595 | e | Outer dia 120mm and Inner dia 103.5mm | 1 RM | 285.00 |
| | MAT-03596 | f | Outer dia 160 mm and Inner dia 136 mm | 1 RM | 424.00 |
| | MAT-03597 | g | Outer dia 180 mm and Inner dia 152 mm | 1 RM | 557.00 |
| | MAT-03598 | h | Outer dia 200 mm and Inner dia 170 mm | 1 RM | 660.00 |
| | | | SECTION - 5 | | |
| | | 5.1 | FANS | | |
| 174 | MAT-05508 | ELEC-5.1.1 | Supply of 48" (1200mm) Sweep 5 star rated BLDC (Brush less Direct Current) Ceiling Fan with double ball bearings, input voltage 230V AC converted to 24 V DC, power input not more than 32W , air delivery 210/220 cubic meter/min with remote and without Regulator. Makes : As per list of recommended brands. | 1 No | 3628 |
| 175 | MAT-05509 | ELEC-5.1.2 | Supply of 56" (1400mm) Sweep 5 star rated BLDC (Brush less Direct Current) Ceiling Fan with double ball bearings, input voltage 230V AC converted to 24 V DC, power input not more than 32W , air delivery not less than 240 cubic meter/min with remote and without Regulator. Makes : As per list of recommended brands. | 1 No | 4233 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 176 | MAT-03599 | ELEC-5.1.3 | Supply of 48" (1200mm) Sweep star rated Ceiling Fan , with double ball bearings, air delivery more than 200 cubic meter/min but without Regulator. Makes : As per list of recommended brands. | 1 No | 2532 |
| 177 | MAT-03600 | ELEC-5.1.4 | Supply of 48" (1200mm) Sweep decorative Ceiling Fan, with double ball bearings with all accessories without Regulator. Makes : As per list of recommended brands. | 1 No | 2912 |
| 178 | MAT-03602 | ELEC-5.1.5 | Supply of 56" (1400mm) Sweep Ceiling Fan , with double ball bearings, but without Regulator. Makes : As per list of recommended brands. | 1 No | 3039 |
| 179 | MAT-03603 | ELEC-5.1.6 | Supply of 16" (400mm) Wall mounted Fan. Makes : As per list of recommended brands. | 1 No | 2912 |
| 180 | MAT-03604 | ELEC-5.1.7 | Supply of 16" (400mm) Pedestal Fan. Makes : As per list of recommended brands. | 1 No | 3229 |
| 181 | MAT-03605 | ELEC-5.1.8 | Supply of 18" (450mm) Wall mounting / Pedestal Air Circulators. Makes : As per list of recommended brands. | 1 No | 6837 |
| 182 | MAT-03606 | ELEC-5.1.9 | Supply of 24" (600mm) Wall mounting / Pedestal Air Circulators. Makes : As per list of recommended brands. | 1 No | 8230 |
| 183 | MAT-03607 | ELEC-5.1.10 | Supply of 12" (300mm) Cabin fan. Makes : As per list of recommended brands. | 1 No | 2152 |
| 184 | MAT-03608 | ELEC-5.1.11 | Supply of 12" (300mm) Light duty exhaust fan with metallic blades and wire guard etc complete. Makes : As per list of recommended brands. | 1 No | 1836 |
| 185 | MAT-03609 | ELEC-5.1.12 | Supply of 9" (225mm), Light duty exhaust fan with double ball bearing and wire guard etc complete. Makes : As per list of recommended brands. | 1 No | 1634 |
| 186 | MAT-03610 | ELEC-5.1.13 | Supply of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes : As per list of recommended brands. | 1 No | 3482 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 187 | MAT-03611 | ELEC-5.1.14 | Supply of 15" (375mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes : As per list of recommended brands. | 1 No | 4052 |
| 188 | MAT-03612 | ELEC-5.1.15 | Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes : As per list of recommended brands. | 1 No | 5191 |
| | | 5.2 | WATER HEATERS (Conventional & Solar) | | |
| 189 | | 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 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 : As per list of recommended brands. | | |
| | MAT-03613 | a | 15 Ltrs | 1 No | 11600 |
| | MAT-03614 | b | 25 Ltrs | 1 No | 13800 |
| 190 | | ELEC-5.2.2 | Supply, Transportation, erection and Commissioning of MNRE approved and confirming to IS 12933 P-1,2,3&5..... Tube Collector type Solar Water heating System with temperature application of 60 degrees with Stain less steel - 304L grade inner tank with PUF Insulation and Alluminum Cladding for Outer Cover, Suitable EPDM rubber pipe connection from Collector to Solar Tank with electrical Heating back up etc., with 3 years Guarantee for Solar system and additional 2 years warranty. Makes : As per list of recommended brands. | | |
| | MAT-03615 | a | 250 LPD | 1 No | 55660 |
| | MAT-03616 | b | 375LPD | 1 No | 77050 |
| | MAT-03617 | c | 500 LPD | 1 No | 87400 |
| | MAT-03618 | d | 1000 LPD | 1 No | 170200 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 191 | | ELEC-5.2.3 | Supply, Transportation, erection and Commissioning of MNRE approved and confirming to IS 12933 P-1,2,3&5..... Flate plate Collector type Solar Water heating System with temperature application of 60 degrees with Stain less steel - 304L grade inner tank with PUF Insulation and Alluminum Cladding for Outer Cover, Suitable EPDM rubber pipe connection from Collector to Solar Tank with electrical Heating back up etc., with 3 years Guarantee for Solar system and additional 2 years warranty. Makes : As per list of recommended brands. | | |
| | MAT-03619 | a | 250 LPD | 1 No | 59800 |
| | MAT-03620 | b | 375 LPD | 1 No | 82800 |
| | MAT-03621 | c | 500 LPD | 1 No | 96025 |
| | MAT-03622 | d | 1000 LPD | 1 No | 189750 |
| | | | HEAT PUMP | | |
| 192 | | ELEC-5.2.4 | Supply, Transportation and fixing of Energy Efficient Heat pump(Hybrid) water heater of Mono block storage / type Vertical / 230/250V single phase 50 Hz rated water heater with SS tank coated with Enamel and stain less body with IP X 4 water Proff grade of capacity Mono Block unit to withstand up to 0.8 - 1.0 MPa bar of water pressure including 2 Kw Heating element and Auto Defrosting and with 50 MM Puf insulation with all standard accessories and dead weight pressure reducing valve on out let side, including cost of CPVC Piping / Metallic hose pipe, testing and all labour charges etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-03623 | a | 200 Ltr | 1 No | 125580 |
| | MAT-03624 | b | 300 Ltr | 1 No | 159390 |
| 193 | | ELEC-5.2.5 | Supply, Transportation and fixing of Energy Efficient Heat pump(Hybrid) water heater of split type storage / type Vertical / 230/250V single phase 50 Hz rated water heater with SS tank coated with Enamel and prepainted steel body with IP X 4 water Proff grade of .....capacity Mono Block unit to withstand up to 0.8 - 1.0 MPa bar of water pressure including 2 Kw Heating element and Auto Defrosting and with 50 MM Puf insulation with all standard accessories and dead weight pressure reducing valve on out let side, including cost of CPVC Piping / Metallic hose pipe, testing and all | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | labour charges etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-03625 | a | 400 Ltr | 1 No | 154675 |
| | MAT-03626 | b | 500 Ltr | 1 No | 189336 |
| | | 5.3 | ACCESSORIES FOR WATER HEATERS | | |
| 194 | | ELEC-5.3.1 | Supply and fixing of stem type ISI marked (IS 3017 / 85) snap action adjustable thermostat storage water heater including making connection testing etc. as required. | | |
| | MAT-03627 | a | 11" stem thermostat | 1 No | 230 |
| | MAT-03628 | b | 7" stem thermostat | 1 No | 206 |
| 195 | MAT-03629 | ELEC-5.3.2 | Supply and fixing of stem type, ISI marked, push to reset type auto thermal cut off and rated at 20 A 250 V including testing etc. as required. | 1 No | 273 |
| 196 | | ELEC-5.3.3 | Supply and fixing of ISI marked (IS:4159) marked copper sheathed,nickle plated, mineral filled heating element including making connection testing etc as required | | |
| | MAT-03630 | a | 3.0 KW | 1 No | 787 |
| | MAT-03631 | b | 2.0 KW | 1 No | 750 |
| 197 | | ELEC-5.3.4 | Supply and fixing of twin ceramic cartridge, shock and hard water proof heating element including making connecton testing etc as required | | |
| | MAT-03632 | a | 3.0 KW | 1 No | 908 |
| | MAT-03633 | b | 2.0 KW | 1 No | 787 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 198 | | ELEC-5.3.5 | Supply and fixing of base plate assembly with neoprene rubber gasket, inlet socket with inbuilt NRV/ PRV and drain out system and outlet socket pipe, fusible plug assembly, mounting hardwares complete etc. as required. | | |
| | MAT-03634 | a | 15 Ltr. To 50 Ltr. Capacity SWH | 1 No | 1694 |
| 199 | MAT-03635 | ELEC-5.3.5 | Supply and fixing of heavy duty C.P. connection for storage water heater for inlet and outlet of length 300-600 mm including the cost of nuts, washers etc as required. | 1 set | 303 |
| 200 | MAT-03636 | ELEC-5.3.6 | Charges for brass welding of inner copper tank for storage water heater including opening, refixing, testing etc. as required | job | 484 |
| 201 | MAT-03637 | ELEC-5.3.7 | Charges for descaling of storage water heater including required chemical, opening, refixing, testing as complete | job | 363 |
| 202 | MAT-03638 | ELEC-5.3.8 | Charges for Fixing of storage water heater including four nos. rag bolts of suitable size, supply & making heavy gauge inlet, outlet C.P. connection, testing, carrying from store to site, etc. as required | job | 787 |
| | | 5.4 | PUMPSETS | | |
| | | | SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS | | |
| 203 | | ELEC-5.4.1 | Supply and Transportation of .....5star rated submersible motor pumpset, confirming to IS 8034 and motor confirming to IS 9283 with water proof winding, Pump shall be suitable for various delivery head and discharge with stainless steel shaft. Motor suitable for working on 240V ± 10% , SinglePhase 50 Hz AC supply, etc complete for 4" Bore well. Makes : As per list of recommended brands as category I. | | |
| | MAT-03639 | a | 0.75HP 8 Stage | 1 No | 15565 |
| | MAT-03640 | b | 1.00HP 10 Stage | 1 No | 17820 |
| | MAT-03641 | c | 1.00HP 15 Stage | 1 No | 18370 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03642 | d | 1.50HP 21 Stage | 1 No | 22275 |
| | MAT-03643 | e | 2.00HP 25 Stage | 1 No | 26730 |
| | | f | | | |
| 204 | | ELEC-5.4.2 | Supply and Transportation of .....5star rated submersible motor pumpset, confirming to IS 8034 and motor confirming to IS 9283 with water proof winding,Pump shall be suitable for various delivery head and discharge with stainless steel shaft.Motor suitable for working on 240V \pm 10% , SinglePhase 50 Hz AC supply,etc complete for 4" Bore well. Makes : As per list of recommended brands as category II. | | |
| | MAT-03644 | a | 0.75HP 8 Stage | 1 No | 13970 |
| | MAT-03645 | b | 1.00HP 10 Stage | 1 No | 15950 |
| | MAT-03646 | c | 1.00HP 15 Stage | 1 No | 16500 |
| | MAT-03647 | d | 1.50HP 21 Stage | 1 No | 20020 |
| | MAT-03648 | e | 2.00HP 25 Stage | 1 No | 24035 |
| | | f | | | |
| | | | THREE PHASE SUBMERSIBLE MOTOR PUMP SETS. | | |
| 205 | | ELEC-5.4.3 | Supply and Transportation of .....5star rated submersible motor pumpset, confirming to IS 8034 and motor confirming to IS 9283 with water proof winding,Pump shall be suitable for various delivery head and discharge with stainless steel shaft.Motor suitable for working on 415V \pm 10% , Three Phase 50 Hz AC supply,etc complete for 4" Bore well. Makes : As per list of recommended brands as category I. | | |
| | MAT-03649 | a | 3.00HP 15Stage | 1 No | 21670 |
| | MAT-03650 | b | 4.00HP 20Stage | 1 No | 25300 |
| | MAT-03651 | c | 5.00HP 25Stage | 1 No | 29920 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 206 | | ELEC-5.4.4 | Supply and Transportation of .....5star rated submersible motor pumpset, confirming to IS 8034 and motor confirming to IS 9283 with water proof winding,Pump shall be suitable for various delivery head and discharge with stainless steel shaft.Motor suitable for working on 415V ± 10% , Three Phase 50 Hz AC supply,etc complete for 4" Bore well. Makes : As per list of recommended brands as category II. | | |
| | MAT-03652 | a | 3.00HP 15Stage | 1 No | 20350 |
| | MAT-03653 | b | 4.00HP 20Stage | 1 No | 23760 |
| | MAT-03654 | c | 5.00HP 25Stage | 1 No | 28160 |
| 207 | | ELEC-5.4.5 | Supply and Transportation of .....5star rated submersible motor pumpset, confirming to IS 8034 and motor confirming to IS 9283 with water proof winding,Pump shall be suitable for various delivery head and discharge with stainless steel shaft.Motor suitable for working on 415V ± 10% , Three Phase 50 Hz AC supply,etc complete for 6" Bore well. Makes : As per list of recommended brands as category I. | | |
| | MAT-03655 | a | 3.00HP 5-10 Stage | 1 No | 33000 |
| | MAT-03656 | b | 5.00HP, 5-10Stage | 1 No | 37125 |
| | MAT-03657 | c | 5.00HP, 12-16 Stage | 1 No | 42350 |
| | MAT-03658 | d | 7.50HP, 5-10 Stage | 1 No | 41690 |
| | MAT-03659 | e | 7.50HP, 12-16 Stage | 1 No | 46200 |
| | MAT-03660 | f | 7.50HP, 20-24 Stage | 1 No | 47300 |
| | MAT-03661 | g | 10HP, 5-10 Stage | 1 No | 48950 |
| | MAT-03662 | h | 10HP, 12-16 Stage | 1 No | 50600 |
| | MAT-03663 | i | 10HP, 20-24 Stage | 1 No | 57200 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03664 | j | 12.5HP, 8-12 Stage | 1 No | 50600 |
| | MAT-03665 | k | 12.5HP, 16-24 Stage | 1 No | 59400 |
| | MAT-03666 | l | 15HP, 8-12 Stage | 1 No | 63690 |
| | MAT-03667 | m | 15HP, 16-24 Stage | 1 No | 65780 |
| | MAT-03668 | n | 20HP 10-20 Stage | 1 No | 76450 |
| | MAT-03669 | o | 20HP 30-40 Stage | 1 No | 79750 |
| | MAT-05510 | p | 25HP 20-25 Stage | 1 No | 86900 |
| 208 | | ELEC-5.4.6 | Supply and Transportation of .....5star rated submersible motor pumpset, confirming to IS 8034 and motor confirming to IS 9283 with water proof winding,Pump shall be suitable for various delivery head and discharge with stainless steel shaft.Motor suitable for working on 415V \pm 10% , Three Phase 50 Hz AC supply,etc complete for 6" Bore well. Makes : As per list of recommended brands as category II. | | |
| | MAT-03670 | a | 3.00HP 5-10 Stage | 1 No | 29700 |
| | MAT-03671 | b | 5.00HP, 5-10Stage | 1 No | 33330 |
| | MAT-03672 | c | 5.00HP, 12-16 Stage | 1 No | 38115 |
| | MAT-03673 | d | 7.50HP, 5-10 Stage | 1 No | 37510 |
| | MAT-03674 | e | 7.50HP, 12-16 Stage | 1 No | 41580 |
| | MAT-03675 | f | 7.50HP, 20-24 Stage | 1 No | 42570 |
| | MAT-03676 | g | 10HP, 5-10 Stage | 1 No | 44000 |
| | MAT-03677 | h | 10HP, 12-16 Stage | 1 No | 45650 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03678 | i | 10HP, 20-24 Stage | 1 No | 51480 |
| | MAT-03679 | j | 12.5HP, 8-12 Stage | 1 No | 45650 |
| | MAT-03680 | k | 12.5HP, 16-24 Stage | 1 No | 53460 |
| | MAT-03681 | l | 15HP, 8-12 Stage | 1 No | 57310 |
| | MAT-03682 | m | 15HP, 16-24 Stage | 1 No | 59180 |
| | MAT-03683 | n | 20HP 10-20 Stage | 1 No | 68750 |
| | MAT-03684 | o | 20HP 30-40 Stage | 1 No | 71720 |
| | | | SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS | | |
| 209 | | ELEC-5.4.7 | Supply and Transportation of .....Single phase open well submersible motor pumpset confirms to IS 14220 : 1994. Makes : As per list of recommended brands as category I. | | |
| | MAT-03685 | a | 1.00HP | 1 No | 13552 |
| | MAT-03686 | b | 1.50HP | 1 No | 15246 |
| | MAT-03687 | c | 3.00HP | 1 No | 20812 |
| 210 | | ELEC-5.4.8 | Supply and Transportation of .....Single phase open well ISI submersible motor pumpset confirms to IS 14220 : 1994. Makes : As per list of recommended brands as category II. | | |
| | MAT-03688 | a | 1.00HP | 1 No | 12705 |
| | MAT-03689 | b | 1.50HP | 1 No | 14520 |
| | MAT-03690 | c | 3.00HP | 1 No | 19784 |
| | | | THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 211 | | ELEC-5.4.9 | Supply and Transportation of Three phase open well ISI submersible motor pumpset confirms to IS 14220 : 1994. . Makes : As per list of recommended brands as category I. | | |
| | MAT-03691 | a | 3.00HP(65x50) | 1 No | 20812 |
| | MAT-03692 | b | 5.00HP(75x65) | 1 No | 26015 |
| | MAT-03693 | c | 7.50HP(100x75) | 1 No | 30855 |
| | MAT-03694 | d | 10.00HP(100x75) | 1 No | 39325 |
| 212 | | ELEC-5.4.10 | Supply and Transportation of Three phase open well ISI submersible motor pumpset confirms to IS 14220 : 1994. Makes : As per list of recommended brands as category II. . | | |
| | MAT-03695 | a | 3.00HP(65x50) | 1 No | 19965 |
| | MAT-03696 | b | 5.00HP(75x65) | 1 No | 24442 |
| | MAT-03697 | c | 7.50HP(100x75) | 1 No | 29040 |
| | MAT-03698 | d | 10.00HP(100x75) | 1 No | 37510 |
| | | | SINGLE PHASE MONO BLOCK MOTOR PUMP SETS. | | |
| 213 | | ELEC-5.4.11 | Supply and Transportation of Single phase Mono block CI body motor pumpset confirms to IS 9079:2002 Makes : As per list of recommended brands as category I. | | |
| | MAT-03699 | a | 0.5HP(25x25mm) | 1 No | 6050 |
| | MAT-03700 | b | 1.0HP (25x25mm) | 1 No | 8652 |
| | MAT-03701 | c | 1.5HP(32x25mm) | 1 No | 11616 |
| 214 | | ELEC-5.4.12 | Supply and Transportation of Single phase Mono block CI body motor pumpset confirms to IS 9079:2002 | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands as category II. | | |
| | MAT-03702 | a | 0.5HP(25x25mm) | 1 No | 5687 |
| | MAT-03703 | b | 1.0HP (25x25mm) | 1 No | 8228 |
| | MAT-03704 | c | 1.5HP(32x25mm) | 1 No | 11072 |
| 215 | | ELEC-5.4.13 | Supply and Transportation of..... Three phase ISI self priming Mono block IP44 motor pumpset . Makes : As per list of recommended brands as category I. | | |
| | MAT-03705 | a | 2.00HP(40x40mm) | 1 No | 17182 |
| | MAT-03706 | b | 3.0HP (50x50mm) | 1 No | 23232 |
| | MAT-03707 | c | 5.00HP(80x80mm) | 1 No | 28072 |
| 216 | | ELEC-5.4.14 | Supply and Transportation of..... Three phase ISI self priming Mono block IP44 motor pumpset . Makes : As per list of recommended brands as category II. | | |
| | MAT-03708 | a | 2.00HP(40x40mm) | 1 No | 16335 |
| | MAT-03709 | b | 3.0HP (50x50mm) | 1 No | 22143 |
| | MAT-03710 | c | 5.00HP(80x80mm) | 1 No | 26862 |
| | | | CONTROL PANEL BOARD FOR MOTOR PUMPSETS | | |
| 217 | MAT-03711 | ELEC-5.4.15 | 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 including supply and fixing of DOL starter.of complete., Makes : As per list of recommended brands. | 1 No | 5445 |
| 218 | MAT-03712 | ELEC-5.4.16 | Fabrication , transportation and supply of suitable size panel board for single phase submersible motor 2 to 3HP consisting of relay, Contactor, | 1 No | 7260 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | starting and running capacitors, Voltmeter, Ammeter, indicator lamps, MCB , on/off switch including supply and fixing of DOL starter of complete.,. Makes : As per list of recommended brands. | | |
| 219 | | ELEC-5.4.17 | Fabrication ,transportationand and supply 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 lovures 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. Makes : As per list of recommended brands . | | |
| | | | Voltmeter ; 0-500 V 96x96mm size. | | |
| | | | 0 to 20 Amps / 0 50 Amps Ammeter (96x96mm size)-1No. | | |
| | | | Single phase preventor of suitable range - 1No. | | |
| | | | 32 A TP, 10KA MCB. - 1No | | |
| | | | Indication lamps (R-Y-B) with switch control - 1set | | |
| | | | Voltmeter & Ammeter selector switch - 2 Nos | | |
| | | | Supply and fixing of ISI Mark suitable capacitor | | |
| 220 | MAT-03713 | a | Upto 7.5 HP with DOL Starter of. | 1 No | 9680 |
| 221 | MAT-03714 | b | above 7.5 HP to 12.5 HP with Star- Delta Starter | 1 No | 16940 |
| 222 | MAT-03715 | c | From 15 HP up to 20 HP with Automatic Star Delta Starter | 1 No | 22385 |
| 223 | | ELEC-5.4.18 | Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. With SS encloser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete suitable for..... Makes : As per list of recommended brands. | | |
| | MAT-03716 | a | up to 3 HP | 1 No | 1150 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 224 | | ELEC-5.4.19 | 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 for..... Makes : As per list of recommended brands. | | |
| | MAT-03717 | a | up to 3 HP | 1 No | 2057 |
| | MAT-03718 | b | 5 to 7.5 HP | 1 No | 2299 |
| | MAT-03719 | c | 10 HP | 1 No | 2541 |
| 225 | | ELEC-5.4.20 | Supply & Fixing of Star-Delta Starter 415V, 3 phase, 50Hz.. enclosed with no volt coil, overload protection and single phase preventor , etc., complete suitable for Makes : As per list of recommended brands. | | |
| | MAT-03720 | a | 12.50 to 15HP. | 1 No | 8228 |
| | MAT-03721 | b | 25HP to 30HP | 1 No | 13576 |
| | | | UPVC PIPES AND FITTINGS | | |
| 226 | | ELEC-5.4.21 | Supply and delivery of for submersible motors with both ends square threaded, with rubber 'O' rings with smooth inner surface which can take the minimum load of 2100 to 4000 Kgs weights. Makes : As per list of recommended brands. | | |
| | MAT-03722 | a | 42 / 32mm dia UPVC raising column pipe, with standing upto 20 Kgs / CM2 upto 200 Mts | 1RM | 157 |
| | MAT-03723 | b | 48 / 40mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts | 1RM | 194 |
| | MAT-03724 | c | 60/50 mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts | 1RM | 278 |
| | MAT-03725 | d | 75/65 mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts | 1RM | 375 |
| | MAT-03726 | e | 88/80 mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts | 1RM | 539 |
| 227 | MAT-03727 | ELEC-5.4.22 | Supply and delivery of heavy duty couplings 42/32 mm UPVC pipe (27 Kgs / CM 2) capable of with standing up to 27 Kgs / CM2 above 200 mts and upto 300 mts | 1NO | 48 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 228 | MAT-03728 | ELEC-5.4.23 | Supply and delivery of heavy duty couplings 48/40 mm UPVC pipe (27 Kgs / CM 2) capable of with standing up to 27 Kgs / CM2 above 200 mts and upto 300 mts | 1NO | 67 |
| 229 | MAT-03729 | ELEC-5.4.24 | Supply and delivery of heavy duty couplings 60/50 mm UPVC pipe (27 Kgs / CM 2) capable of with standing up to 27 Kgs / CM2 above 200 mts and upto 300 mts | 1NO | 73 |
| 230 | MAT-03730 | ELEC-5.4.25 | Supply and delivery off heavy duty couplings 75/65 mm UPVC pipe (27 Kgs / CM 2) capable of with standing up to 27 Kgs / CM2 above 200 mts and upto 300 mts | 1NO | 85 |
| 231 | MAT-03731 | ELEC-5.4.26 | Supply and delivery of heavy duty couplings 88/80 mm UPVC pipe (27 Kgs / CM 2) capable of with standing up to 27 Kgs / CM2 above 200 mts and upto 300 mts | 1NO | 97 |
| 232 | | ELEC-5.4.27 | Supply and Delivery of CI Adopter Assembly Makes : As per list of recommended brands. | | |
| | MAT-03732 | a | 1/2" (48/40mm) | 1NO | 696 |
| | MAT-03733 | b | 2" (60/50mm) | 1NO | 920 |
| | MAT-03734 | c | 2 1/2" (75/65 mm) | 1NO | 1186 |
| 233 | | ELEC-5.4.28 | Supply and Delivery of pump guard assembly with 2Nos SS Powder coated flange and 2Nos SS Rods with nut and colter pin. Makes : As per list of recommended brands. | | |
| | MAT-03735 | a | 1 1/2" (48/40mm) | 1NO | 436 |
| | MAT-03736 | b | 2" (60/50mm) | 1NO | 484 |
| | MAT-03737 | c | 2 1/2" (75/65 mm) | 1NO | 666 |
| | MAT-03738 | d | 3"(88/80 mm) | 1NO | 968 |
| | | 5.5 | AIR CONDITIONERS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03743 | 5.5.1 a | Deleted | | |
| | MAT-03744 | 5.5.1 b | Deleted | | |
| | MAT-03747 | 5.5.1 c | Deleted | | |
| | MAT-03748 | 5.5.1 d | Deleted | | |
| | | | Inverter Split AC Unts (Cooling Only) | | |
| 234 | | ELEC-5.5.1 A | 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 dehumidifying air circulating and filtering with cooling and condensing units with 3 mts of copper piping, insulation kit and 4 mts of 4 core copper flexible chord with cordless remote control etc., dual barrier coating in order to protect coil form oxidation. | | |
| | | | 1.5TR Split ACs | | |
| | | a | 1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A. Makes : As per list of recommended brands as category I. | 1 No | 51175 |
| | | b | 1.5 TR 3 Star capable of delivering 18000 BTU / hr and above with operating on refrigerant R-32 / R-410A Makes : As per list of recommended brands as category II. | 1 No | 47725 |
| | | | 2.0 TR Split ACs | | |
| | | c | 2.0 TR 3 Star capable of delivering 24000 BTU/ hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category I. | 1 No | 59225 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | d | 2.0 TR 3 Star capable of delivering 24000 BTU/ hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category II. | 1 No | 52325 |
| 235 | | ELEC-5.5.2 | 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 dehumidifying air circulating and filtering with cooling and condensing units with 3 mts of copper piping, insulation kit and 4 mts of 4 core copper flexible chord with cordless remote control etc., dual barrier coating in order to protect coil form oxidation. | | |
| | | | 0.8/ 1.0TR Split ACs | | |
| | MAT-05511 | a | 0.8 TR 5 Star capable of delivering 9600 BTU/hr and above with operating on refrigerant R-32/ R-410A. Makes : As per list of recommended brands as category I. | | 43643 |
| | MAT-05512 | b | 0.8 TR 5 Star capable of delivering 9600 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes : As per list of recommended brands as category II. | | 37318 |
| | MAT-05513 | c | 1.0 TR 5 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes : As per list of recommended brands as category I. | | 48703 |
| | MAT-05514 | d | 1.0 TR 5 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes : As per list of recommended brands as category II. | | 42378 |
| | | | 1.5, 1.8 & 2.0TR Split ACs | | |
| | MAT-03753 | e | 1.5 TR 5 star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A, COP not less than 4.5 Makes : As per list of recommended brands as category I. | 1 No | 61353 |
| | MAT-03754 | f | 1.5 TR 5 star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A,COP not less than 4.5 Makes : As per list of recommended brands as category II. | 1 No | 58823 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05515 | g | 1.8/1.9TR 5star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes : As per list of recommended brands as category I. | 1 No | 72105 |
| | MAT-05516 | h | 1.8/1.9 TR 5 Star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes : As per list of recommended brands as category II. | 1 No | 68310 |
| | MAT-03757 | i | 2.0/2.2 TR 5 star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes : As per list of recommended brands as category I. | 1 No | 84123 |
| | MAT-03758 | j | 2.0 TR 5 Star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes : As per list of recommended brands as category II. | 1 No | 74635 |
| | | | INVERTER CASSETTE TYPE AC UNITS | | |
| 236 | | ELEC-5.5.35 | Supply of inverter 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, without refrigerent piping and cable. | | |
| | MAT-03759 | a | 1.5 TR 4 star Single Phase capable of delivering 18000 BTU / hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category I. | 1 No | 92345 |
| | MAT-03760 | b | 2.0TR 4 star Single Phase capable of delivering 24000 BTU / hr and above with operating on refrigerant R-32 / R-410A, . Makes : As per list of recommended brands as category I. | 1 No | 98670 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03761 | c | 2.0TR 4 star Single Phase capable of delivering 24000 BTU / hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category II. | 1 No | 94875 |
| | MAT-03762 | d | 3.5 TR 4 star Three Phase capable of delivering 42000 BTU / hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category I. | 1 No | 174570 |
| | MAT-03763 | e | 3.5 TR 4 star Three Phase capable of delivering 42000 BTU / hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category II. | 1 No | 171408 |
| | MAT-03764 | f | 4.0 TR 4 star Three Phase capable of delivering 48000 BTU / hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category I. | 1 No | 179630 |
| | MAT-03765 | g | 4.0 TR 4 star Three Phase capable of delivering 48000 BTU / hr and above with operating on refrigerant R-32 / R-410A. Makes : As per list of recommended brands as category II. | 1 No | 163185 |
| | | | TOWER MODEL (Vertical) TYPE AC UNITS | | |
| 237 | | ELEC-5.5.36 | Supply of Slim line / Tower Model/Verticool type .....split AC unit with indoor unit and floor mounted outdoor condensing unit with 3.5 mtr of Copper piping,insulation kit and 4 mtr of 4 core copper flexible card with refrigerant 410A/R32, 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 | | |
| | MAT-03766 | a | 3.0/ 3.3TR Three Phase capable of delivering 39600 BTU/hr and above with operating on refrigerant R-32/R-410. Makes : As per list of recommended brands. | 1 No | 115115 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03767 | b | 3.8 /4.0TR Three Phase capable of delivering 45600BTU/hr and above with operating on refrigerant R-32/R-410. Makes : As per list of recommended brands. | 1 No | 122073 |
| | MAT-03768 | c | 4.5/ 4.6TR Three Phase capable of delivering 55200 BTU/hr and above with operating on refrigerant R-32/R-410. Makes : As per list of recommended brands. | 1 No | 132825 |
| | | | HVAC SYSTEMS(VRV/VRF) | | |
| 238 | | ELEC-5.6.1 | Supply of Air cooled VRV / VRF Air Conditioning system of having high COP complete with indoor and outdoor units duly charged with refrigerant R-410A and oil (first charge) suitable for cooling with individual controller, (suitable for 415 +/- 10% for outdoor and 230 +/- 5% for indoor units) and complete with all accessories, fittings etc. The units shall be BMS Compatible. Outdoor Units shall be fully inverter system complete with 100% scroll/rotary compressor and drive arrangement, initial charge of refrigerant (R-410A),refrigerant piping, drier, sight glass, dual pressure cutout all housed and supported properly in cabinet, air cooled condenser & its controller for following capacities. The VRV system shall be cooling only system. Makes : As per list of recommended brands as category I. | | |
| | | | Type of Compressor : Hermetic sealed Inverter Scroll/Twin Rotary | | |
| | | | ODU should deliver the required capacity at the ambient conditions of the place as per ISHRAE Standards. | | |
| | | | The System should be highly energy efficient and COP shall not be less than 3.7. The outdoor units shall be suitable for operation between 5 and 53 deg C in cooling mode. | | |
| | | | VRV/VRF OUT DOOR UNITS | | |
| | MAT-03769 | a | 6 HP | 1 No | 200100 |
| | MAT-03770 | b | 8 HP | 1 No | 218040 |
| | MAT-03771 | c | 10 HP | 1 No | 270480 |
| | MAT-03772 | d | 12 HP | 1 No | 303600 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03773 | e | 14 HP | 1 No | 343620 |
| | MAT-03774 | f | 16 HP | 1 No | 391920.00 |
| | MAT-03775 | g | 18 HP | 1 No | 430560.00 |
| | MAT-03776 | h | 20 HP | 1 No | 473340.00 |
| | | | | | |
| 239 | | ELEC-5.6.2 | <p>Supply of Air cooled VRV / VRF Air Conditioning system of having high COP complete with indoor and outdoor units duly charged with refrigerant R-410A and oil (first charge) suitable for cooling with individual controller, (suitable for 415 +/- 10% for outdoor and 230 +/- 5% for indoor units) and complete with all accessories, fittings etc. The units shall be BMS Compatible.</p> <p>Outdoor Units shall be fully inverter system complete with 100% scroll/rotary compressor and drive arrangement, initial charge of refrigerant (R-410A),refrigerant piping, drier, sight glass, dual pressure cutout all housed and supported properly in cabinet, air cooled condenser & its controller for following capacities. The VRV system shall be cooling only system.</p> <p>Makes : As per list of recommended brands as category II.</p> | | |
| | | | Type of Compressor : Hermetic sealed Inverter Scroll/Twin Rotary | | |
| | | | ODU should deliver the required capacity at the ambient conditions of the place as per ISHRAE Standards. | | |
| | | | The System should be highly energy efficient and COP shall not be less than 3.7. The outdoor units shall be suitable for operation between 5 and 53 deg C in cooling mode. | | |
| | MAT-05517 | a | 6 HP | 1 No | 184230 |
| | MAT-05518 | b | 8 HP | 1 No | 200100 |
| | MAT-05519 | c | 10 HP | 1 No | 248814 |
| | MAT-05520 | d | 12 HP | 1 No | 279312 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05521 | e | 14 HP | 1 No | 316020 |
| | MAT-05522 | f | 16 HP | 1 No | 360180 |
| | MAT-05523 | g | 18 HP | 1 No | 396060 |
| | MAT-05524 | h | 20 HP | 1 No | 434700 |
| 240 | MAT-03777 | ELEC-5.6.3 | Supply and Installation of Ref Nets for Double ODU connections | 1 No | 6072 |
| 241 | MAT-03778 | ELEC-5.6.4 | Supply and Installation of Ref Nets for Triple ODU connections | 1 No | 11638 |
| 242 | MAT-03779 | ELEC-5.6.5 | Supply and Installation of Multi Connection Joint / Ref Nets for IDUs | 1 No | 5313 |
| | | | VRV/VRF INDOOR UNITS | | |
| 243 | | ELEC-5.6.6 | Supply of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls and duly wired, thermostatic control. Makes : As per list of recommended brands as category I. | | |
| | | | Type Of Units :Hi Wall type units | | |
| | MAT-03780 | a | 1.0 TR | 1 No | 34788 |
| | MAT-03781 | b | 1.6 TR | 1 No | 37950 |
| | MAT-03782 | c | 2.0 TR | 1 No | 39215 |
| 244 | | ELEC-5.6.7 | Supply of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls and duly wired, thermostatic control. Makes : As per list of recommended brands as category II. | | |
| | | | Type Of Units :Hi Wall type units | 1 No | |
| | MAT-05525 | a | 1.0 TR | 1 No | 34914 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05526 | b | 1.6 TR | 1 No | 36053 |
| | MAT-05527 | c | 2.0 TR | 1 No | 36053 |
| 245 | | ELEC-5.6.8 | Supply of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls and duly wired, thermostatic control. Makes : As per list of recommended brands as category I. | | |
| | | | Type Of Units :Roundflow/4 way Cassette units | | |
| | MAT-03783 | a | 1.0 TR | 1 No | 46299 |
| | MAT-03784 | b | 1.5/1.6 TR | 1 No | 51865 |
| | MAT-03785 | c | 2.0 TR | 1 No | 53130 |
| | MAT-03786 | d | 2.6 TR | 1 No | 58190 |
| | MAT-03787 | e | 3.2 TR | 1 No | 59455 |
| | MAT-03788 | f | 4.0 TR | 1 No | 60720 |
| | MAT-03789 | g | 4.5 TR | 1 No | 63630 |
| 246 | | ELEC-5.6.9 | Supply of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls and duly wired, thermostatic control. Makes : As per list of recommended brands as category II. | | |
| | | | Type Of Units :Roundflow/4 way Cassette units | | |
| | MAT-05528 | a | 1.0 TR | 1 No | 42504 |
| | MAT-05529 | b | 1.5/1.6 TR | 1 No | 47691 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05530 | c | 2.0 TR | 1 No | 48829 |
| | MAT-05531 | d | 2.6 TR | 1 No | 53510 |
| | MAT-05532 | e | 3.2 TR | 1 No | 54648 |
| | MAT-05533 | f | 4.0 TR | 1 No | 55660 |
| | MAT-05534 | g | 4.5 TR | 1 No | 58443 |
| 247 | | ELEC-5.6.10 | Supply of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls and duly wired, thermostatic control. Makes : As per list of recommended brands as category I. | | |
| | | | Type Of Units :High Static Duct Units | | |
| | MAT-03790 | a | 3.2 TR | 1 No | 63630 |
| | MAT-03791 | b | 4.0 TR | 1 No | 66792 |
| | MAT-03792 | c | 4.5 TR | 1 No | 79063 |
| | MAT-03793 | d | 5.5 TR | 1 No | 106513 |
| | MAT-03794 | e | 6.3 TR | 1 No | 112206 |
| | MAT-03795 | f | 8.0 TR | 1 No | 118278 |
| 248 | | ELEC-5.6.11 | Supply of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls and duly wired, thermostatic control. Makes : As per list of recommended brands as category II. | | |
| | | | Type Of Units :High Static Duct Units | | |
| | MAT-05535 | a | 3.2 TR | 1 No | 58190 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05536 | b | 4.0 TR | 1 No | 60720 |
| | MAT-05537 | c | 4.5 TR | 1 No | 72738 |
| | MAT-05538 | d | 5.5 TR | 1 No | 97405 |
| | MAT-05539 | e | 6.3 TR | 1 No | 102465 |
| | MAT-05540 | f | 8.0 TR | 1 No | 108790 |
| 249 | MAT-03796 | ELEC-5.6.12 | Supply, Installation, Testing & Commissioning Simple wireless remote contoller to control the IDUs with Machine coding, ON-OFF & Temp. setting of individual IDU and group of IDU. | | 1771 |
| 250 | | ELEC-5.6.13 | Supply of Indoor Units consisting of 3/4 row deep DX coil, drain pan, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls, duly wired, thermostatic control corded/cordless remote controller supports for indoor units etc. Makes : As per list of recommended brands as category I. | | |
| | | | Type of Units : Ductable TFA Units | | |
| | MAT-03797 | a | 4TR | 1 No | 104553 |
| | MAT-03798 | b | 6TR | 1 No | 125994 |
| | MAT-03799 | c | 8TR | 1 No | 132825 |
| 251 | | ELEC-5.6.14 | Supply of Indoor Units consisting of 3/4 row deep DX coil, drain pan, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls, duly wired, thermostatic control corded/cordless remote controller supports for indoor units etc. Makes : As per list of recommended brands as category II. | | |
| | | | Type of Units : Ductable TFA Units | | |
| | MAT-05541 | a | 4TR | 1 No | 96140 |
| | MAT- | b | 6TR | 1 No | 115115 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 05542 | | | | |
| | MAT-05543 | c | 8TR | 1 No | 122073 |
| | | | HVAC-LOW SIDE WORKS | | |
| 252 | | ELEC-5.6.15 | Lifting, shifting, positioning, Installation and testing of the ODUs including all accessories with Vibration Isolators for ODUs etc., complete | | |
| | MAT-03800 | A | 6 to 8 HP | 1 No | 8694 |
| | MAT-03801 | B | 10 to 12 HP | 1 No | 12420 |
| | MAT-03802 | c | 14 to 20 HP | 1 No | 14904 |
| 253 | | ELEC-5.6.16 | Lifting Shifting, Positioning ,Installation Testing and commissioning of the following indoor units with including all required accessoires etc complete., | | |
| | | | Type Of Units :Hi Wall Units | 1 No | |
| | MAT-03803 | a | 1.0 TR to 2.0 TR | 1 No | 1490 |
| 254 | | ELEC-5.6.17 | Lifting Shifting, Positioning ,Installation Testing and commissioning of the following indoor units with including all required accessoires etc complete., | | |
| | | | Type Of Units :Round Flow /4 way Cassette units | | |
| | MAT-03804 | a | 1.0 TR to 2.0 TR | 1 No | 1863 |
| | MAT-03805 | b | 2.6 TR to 4.5 TR | 1 No | 3105 |
| 255 | | ELEC-5.6.18 | Lifting Shifting, Positioning ,Installation Testing and commissioning of the following indoor units with including all required accessoires etc complete., | | |
| | | | Type Of Units :High Static Duct Units | | |
| | MAT-03806 | a | 3.2 TR to 4.5 TR | 1 No | 3726 |
| | MAT-03807 | b | 5.5 TR to 8.0 TR | 1 No | 5589 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 256 | | ELEC-5.6.19 | Installation, testing & commissioning of Indoor Units consisting of 2/3/4 row deep DX coil, filter, blower section and drive arrangement, initial charge of refrigerant & oil, integral refrigerant piping, electronic expansion valve, electrical panel with controls duly wired, thermostatic control corded/cordless remote controller supports for indoor units etc. | | |
| | | | Type of Units : Ductable TFA Units | | |
| | MAT-03808 | a | 4 TR to 8 TR | 1 No | 5693 |
| | | | Refrigerant Piping | | |
| 257 | | ELEC-5.6.20 | Supply, installation and testing of Refrigerant Piping consisting of Copper tubes of wall thickness 20G/22G inclusive of Suction Gas Piping & Fittings, Liquid Line Piping & Fittings , with class "O" nitrile rubber Insulation with finish as required. The piping to be mounted & supported properly with suitable size of clamp, M.S. hanger, tray etc., as required at site Makes : As per list of recommended brands. | | |
| | | | The insulation shall be closed cell/cross linked elastomeric Nitrile rubber of thickness 13/19 mm. The insulation thickness upto 19.1 mm dia pipe shall be 13 mm and above 19.1 mm dia, the insulation thickness shall be 19 mm. | | |
| | | | Testing of refrigerant piping and procedure shall be done as per Manufacturer's recommendations | | |
| | MAT-03809 | a | 34.9 mm dia | Rmt | 1455 |
| | MAT-03810 | b | 28.6 mm dia | Rmt | 1329 |
| | MAT-03811 | c | 22.2 mm dia | Rmt | 1202 |
| | MAT-03812 | d | 19.1 mm dia | Rmt | 1076 |
| | MAT-03813 | e | 15.9 mm dia | Rmt | 949 |
| | MAT-03814 | f | 12.7 mm dia | Rmt | 823 |
| | MAT-03815 | g | 9.5 mm dia | Rmt | 607 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03816 | h | 6.4 mm dia | Rmt | 531 |
| 258 | | ELEC-5.6.21 | Supply, installation and testing of UPVC Drain Piping with 6mm Nitrile Rubber class "O" Insulation covered with interwoven glass cloth protection. Necessary pipe fittings(Including enlarger, bends, T Joints etc) has to be considered to connect the UPVC drain pipe to cast iron floor trap. | | |
| | MAT-03817 | a | 25 mm dia | Rmt | 188 |
| | MAT-03818 | b | 32 mm dia | Rmt | 224 |
| | MAT-03819 | c | 40mm dia | Rmt | 274 |
| | MAT-03820 | d | 50 mm dia | Rmt | 324 |
| | | | Supply of PVC insulated 2 core 1.5 Sqmm sheathed flexible copper cable for voltage up to 1100V as per IS 694/1990. (Covered in Section -1) | Rmt | |
| 259 | MAT-03821 | ELEC-5.6.22 | Supply and transportation of R 410A Gas for the system. | kg | 1309 |
| 260 | MAT-03822 | ELEC-5.6.23 | Providing Pressure testing of entire system with Nitrogen and vaccuming nitrogen for all indoor and outdoor units. The pressure testing shall be done as per OEM recommendation. | HP | 1582 |
| 261 | MAT-03823 | ELEC-5.6.24 | Supply, installation, testing & commissioning of Stand alone, intelligent Touch controller with Display for controlling the indoor & outdoor units from a Remote place for all the circuits. | No | 93610 |
| 262 | | ELEC-5.6.25 | Supply, installation, testing & commissioning of GSS Ducting with required angle flanges & installation materials such as heavy duty supports by anchor fasteners etc as required as per IS 655 /SMACNA Standards. Makes : As per list of recommended brands. | | |
| | MAT-03824 | a | 24 G | sqm | 1044 |
| | MAT-03825 | b | 22 G | sqm | 1170 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03826 | c | 20 G | sqm | 1392 |
| | MAT-03827 | d | 18 G | sqm | 1518 |
| | | | Thermal Insulation | | |
| 263 | MAT-03828 | ELEC-5.6.26 | Supply & Fixing of Duct Thermal Insulation applied outside of the duct work with All. backed Closed cell nitrile/ Cross linked foam duly fixed with adhesive and tapes. | | |
| | | | 13 mm Thick | sqm | 734 |
| | | | Accoustic Insulation | | |
| 264 | | ELEC-5.6.27 | Supply & Fixing of Duct Accoustic Insulation applied inside of the duct work with All. backed Open cell nitrile duly fixed with adhesive and tapes | | |
| | MAT-03829 | a | 10/15 mm Thick | sqm | 1139 |
| 265 | MAT-03830 | ELEC-5.6.28 | Supply, Installation, Testing and commissioning of extruded Aluminum powder coated grills/ diffusers for supply with removable core type with collar damper | sqm | 10753 |
| 266 | MAT-03831 | ELEC-5.6.29 | Supply, Installation, Testing and commissioning of extruded Aluminum powder coated grills/ diffusers for retron with removable core type without collar damper | sqm | 7843 |
| 267 | MAT-03832 | ELEC-5.6.30 | Supply , Erection and Testing of GI Opposed blade Volume control dampers made out of 18G frame and 20G blades | sqm | 6831 |
| 268 | MAT-03833 | ELEC-5.6.31 | Supply , Erection of Fresh air louver with extruded aluminium grill with SS wire mesh and GI volume control damper with 20 micron filters | sqm | 5440 |
| 269 | MAT-03834 | ELEC-5.6.32 | Supply and Installation of Underdeck Insulation with 50 mm thk EPS, 48 Kg/Cum density, factory laminated faced alumimun foil coreved with GI cross wiring. | sqm | 823 |
| 270 | MAT-03835 | ELEC-5.6.33 | Supply and Installation of GI Fusible link Fire dampers 500 mm long with sleeve as per UL 555 Standard, Minimum width of damper shall be 225 mm. | sqm | 8223 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 271 | MAT-03836 | ELEC-5.6.34 | Supply and Installation of GI backdraft dampers as per UL 555 Standard, | sqm | 6831 |
| 272 | MAT-03837 | ELEC-5.6.35 | Supply, installation and testing of Canvas connection for the Treated Fresh Air units to the duct | each | 2783 |
| 273 | | ELEC-5.6.36 | Supply, erection, testing and commissioning of Fresh air intake GI louvers with bird screen as per standard specifications. | ONE Sqmtr | 5500 |
| 274 | | ELEC-5.6.37 | Supply, Installation, Testing and commissioning of extruded Aluminum powder coated grills/ diffusers for supply air with removable core type with collar damper | ONE Sqmtr | 9657 |
| 275 | | ELEC-5.6.38 | Supply, Installation, Testing and commissioning of extruded Aluminum powder coated grills/ diffusers for return air with removable core type without collar damper. | ONE Sqmtr | 7044 |
| | | 5.7 | EVAPORATIVE AIR COOLING SYSTEM | | |
| 276 | MAT-03838 | ELEC-5.7.1 | Supply of single phase evaporative air cooling unit with a capacity of 9000 CFM consisting cabinet and water tank made of polypropylene material, blower water pump of 40W, single phase 1.20 KW motor axial type fan with variable speed, 20 micron filtration, noise level less than 78 dBA with auto cleaning, humidity control and water lack protection etc complete. Makes : As per list of recommended brands. | 1 No | 132825 |
| 277 | MAT-03839 | ELEC-5.7.2 | Supply of Three phase evaporative air cooling unit with a capacity of 12000 - 15000 CFM consisting cabinet and water tank made of polypropylene material, blower water pump of 40W, Three phase 3.0 KW motor axial type fan with 2 speed, 20 micron filtration, noise level less than 78 dBA with auto cleaning and water lack protection etc complete. Makes : As per list of recommended brands. | 1 No | 227700 |
| 278 | MAT-03840 | ELEC-5.7.3 | Supply and fixing of 13mm thick Nitrile insulation for out door unit. | 1 sft | 69 |
| 279 | MAT-03841 | ELEC-5.7.4 | Supply and fixing of 50mm thick glasswool of 24 kg density with aluminium foil insulation for indoor duct. | 1 sft | 74 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 280 | MAT-03842 | ELEC-5.7.5 | Supply and fixing of angular iron frame with 2 coats of zincromat red oxide for installation of air cooling unit | 1 No | 6325 |
| 281 | MAT-03843 | ELEC-5.7.6 | Installation and commissioning charges for air cooling unit | 1 No | 4554 |
| | | 5.8 | STABILIZERS | | |
| 282 | | ELEC-5.8.1 | Supply of Stabilizer. Makes : As per list of recommended brands as category I. | | |
| | MAT-03844 | a | 0.5 KVA | 1 No | 990 |
| | MAT-03845 | b | 1.0 KVA | 1 No | 1751 |
| | MAT-03846 | c | 3.0 KVA | 1 No | 2415 |
| | MAT-03847 | d | 4.0 KVA | 1 No | 3260 |
| | MAT-03848 | e | 5.0 KVA | 1 No | 3985 |
| 283 | | ELEC-5.8.2 | Supply of Stabilizer. Makes : As per list of recommended brands as category II. | | |
| | MAT-03849 | a | 0.5 KVA | 1 No | 815 |
| | MAT-03850 | b | 1.0 KVA | 1 No | 1570 |
| | MAT-03851 | c | 3.0 KVA | 1 No | 2053 |
| | MAT-03852 | d | 4.0 KVA | 1 No | 3019 |
| | MAT-03853 | e | 5.0 KVA | 1 No | 3743 |
| | | 5.9 | REPAIRING OF FANS, COOLERS, PUMPS, MOTORS, FRIDGES AND AIRCONDITIONERS | | |
| 284 | | ELEC-5.9.1 | Rewinding of ceiling fan motor (starting and running winding) including all necessary material. The motor is to be wound taking no. of coils, turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | (New model ceiling fan) | | |
| | MAT-03854 | a | 900/1200 mm sweep | 1 No | 467 |
| | MAT-03855 | b | 1400 mm sweep | 1 No | 561 |
| 285 | MAT-03856 | ELEC-5.9.2 | Charges for oiling, greasing, overhauling of ceiling fan, table fan, pedestal fan irrespect to the size of fan including removing,refixing of fan from site and testing etc. as required | 1 No | 190 |
| 286 | MAT-03857 | ELEC-5.9.3 | Providing and Replacement of ball bearing of ceiling/ exhaust fan as required. (NBC/ SKF) | 1 No | 222 |
| 287 | MAT-03858 | ELEC-5.9.4 | Providing and Replacement of Gun metal bush of ceiling/ exhaust/cooler fan/ as required | 1 No | 190 |
| 288 | MAT-03859 | ELEC-5.9.5 | Servicing and overhauling of 20" sweep desert cooler including oiling, greasing, painting of tank from inside with rubber paint after properly desmantling each assembly and refixing the same as required. | 1 No | 316 |
| 289 | MAT-03860 | ELEC-5.9.6 | Painting of desert cooler with two coats of rubber paint inside of water tank and two coat of synthetic enamelled paint on both side of cooler body, fan body, grills etc.after cleaning with sand paper, complete in all respect as required | 1 No | 569 |
| 290 | MAT-03861 | ELEC-5.9.7 | Replacement of cooler pads (heavy) set of 3 no. of size 25" x 27" | 1 No | 190 |
| 291 | MAT-03862 | ELEC-5.9.8 | Supply and fixing of Brass float valve of weighing approx. 250 gm, 8" long rod,PVC ball of 4" dia. For desert coler as required. | 1 No | 253 |
| 292 | MAT-03863 | ELEC-5.9.9 | Supply and fixing of adjustable M.S.grill 20/22 gauge of size approx. 24" x 26" including painting etc. as required | 1 No | 455 |
| 293 | MAT-03864 | ELEC-5.9.10 | Spray painting of ceiling fan of size 900/1200/ 1400 mm with two coats of white/ brown enamelled paint after cleaning with sand paper. Filling etc. as required. | 1 No | 222 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 294 | | ELEC-5.9.11 | Rewinding of Heavy duty Exhaust fan motor including all necessary material, The motor is to be wound taking no. of coils, turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. | | |
| | MAT-03865 | a | 300/ 380 mm sweep | 1 No | 791 |
| | MAT-03866 | b | 450 mm sweep | 1 No | 935 |
| | MAT-03867 | c | 600 mm sweep | 1 No | 1581 |
| 295 | MAT-03868 | ELEC-5.9.12 | Rewinding of 400 mm table fan/pedestal fan motor including all necessary material, The motor is to be wound taking no. of coils, turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. | 1 No | 504 |
| 296 | | ELEC-5.9.13 | Rewinding of single phase motor of 1400 RPM including all necessary material and of the same characteristics as original with required size of super enamelled wire 'E' class insulation material and testing etc. as required. | 1 No | |
| | MAT-03869 | a | 0.5 H.P. To 1.00 H.P. | 1 No | 1050 |
| | MAT-03870 | b | 2.0 H.P | 1 No | 1725 |
| 297 | | ELEC-5.9.14 | Rewinding of three phase motor of 1400 to 2800 RPM including all necessary material and of the same characteristics as original with required size of super enamelled wire 'E' class insulation material and testing etc. as required. | | |
| | MAT-03871 | a | 3.0 H.P. | 1 No | 2550 |
| | MAT-03872 | b | 5.0 H.P. | 1 No | 3600 |
| | MAT-03873 | c | 7.5 H.P | 1 No | 3900 |
| | MAT- | d | 10.0 H.P | 1 No | 5250 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 03874 | | | | |
| | MAT-03875 | e | 12.5 H.P | 1 No | 5550 |
| | MAT-03876 | f | 15.0 H.P | 1 No | 6750 |
| 298 | | ELEC-5.9.15 | Supply and charging of fresh refrigerant and testing of performance of air conditioner/ fridge/ water cooler of following capacity including capillary and strainer/ filter. | | |
| | MAT-03877 | a | 1.0 TR Window/ Split A.C | 1 No | 2404 |
| | MAT-03878 | b | 1.5 TR Window/ Split A.C | 1 No | 2657 |
| | MAT-03879 | c | 2.0 TR Window/ Split A.C | 1 No | 3163 |
| | MAT-03880 | d | 25/50 / 40/80 Ltr. Water cooler | 1 No | 2530 |
| | MAT-03881 | e | 60/120 Ltr. Water cooler | 1 No | 2910 |
| | MAT-03882 | f | 150/150 Ltr. Water cooler | 1 No | 3542 |
| | MAT-03883 | g | 165 Ltr Refrigerator | 1 No | 1581 |
| | MAT-03884 | h | 200/210 Ltr Refrigerator | 1 No | 2277 |
| | MAT-03885 | i | 286/310 Ltr Refrigerator | 1 No | 2657 |
| 299 | | ELEC-5.9.16 | Replacement of defective compressor by company repaired compressor of fridge./water cooler including testing etc. as required. Makes : As per list of recommended brands. | | |
| | MAT-03886 | a | 25/50 / 40/80 Ltr. Water cooler | 1 No | 7590 |
| | MAT-03887 | b | 60/120 Ltr. Water cooler | 1 No | 9614 |
| | MAT-03888 | c | 150/150 Ltr. Water cooler | 1 No | 11385 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03889 | d | 165 Ltr Refrigerator) | 1 No | 3922 |
| | MAT-03890 | e | 200/210 Ltr Refrigerator | 1 No | 4807 |
| | MAT-03891 | f | 286/310 Ltr Refrigerator | 1 No | 5440 |
| 300 | | ELEC-5.9.17 | Supply of brandnew Rotary type sealed compressor for Air conditioner Makes : As per list of recommended brands. | | |
| | MAT-03892 | a | 1.0/1.5 TR | 1 No | 11495 |
| | MAT-03893 | b | 2 TR | 1 No | 12645 |
| 301 | | ELEC-5.9.18 | Replacement of condensing/ cooling coil of copper fins for following capacity A.C./ Water cooler/ Fridge as required | | |
| | MAT-03894 | a | 1.0 TR A.C. | 1 No | 4510 |
| | MAT-03895 | b | 1.5 TR A.C. | 1 No | 5092 |
| | MAT-03896 | c | 2.0 TR A.C. | 1 No | 5674 |
| | MAT-03897 | d | 25/50 / 40/80 Ltr. Water cooler | 1 No | 3036 |
| | MAT-03898 | e | 60/120 Ltr. Water cooler | 1 No | 4428 |
| | MAT-03899 | f | 150/150 Ltr. Water cooler | 1 No | 4428 |
| | MAT-03900 | g | 165 Ltr Refrigerator | 1 No | 1392 |
| | MAT-03901 | h | 200/210 Ltr Refrigerator | 1 No | 1518 |
| | MAT-03902 | i | 286/310 Ltr Refrigerator | 1 No | 1961 |
| 302 | MAT-03903 | ELEC-5.9.19 | Replacement of overload protection of A.C./ Water cooler as required | 1 No | 633 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 303 | MAT-03904 | ELEC-5.9.20 | Replacement of thermostat of A.C./ Water cooler/fridge as required. | 1 No | 569 |
| 304 | MAT-03905 | ELEC-5.9.21 | Replacement of starting relay of A.C./water cooler/fridge compressor as required | 1 No | 620 |
| 305 | MAT-03906 | ELEC-5.9.22 | Spray painting of complete fridge (inside and outside) of 165/ 200/286/310 Ltr. Capacity | 1 No | 2024 |
| 306 | | ELEC-5.9.23 | Supply and fixing of 230V/ 275V, 50Hz rating | | |
| | | | Starting capacitor | | |
| | MAT-03907 | a | 20-60 micro farad | 1 No | 242 |
| | MAT-03908 | b | 80-150 micro farad | 1 No | 484 |
| | | | Running capacitor | 1 No | |
| | MAT-03909 | a | 2.5/3.15/4.0/6.0 micro farad | 1 No | 91 |
| | MAT-03910 | b | 8.0 micro farad | 1 No | 133 |
| | MAT-03911 | c | 10.0 micro farad | 1 No | 182 |
| | MAT-03912 | d | 15.0 to 36.0 micro farad | 1 No | 481 |
| 307 | MAT-03913 | ELEC-5.9.24 | Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of split AC unit. | 1 Set | 1452 |
| 308 | | ELEC-5.9.25 | Providing 2 runs of Copper tubes for suction and liquid between indoor and outdoor unit for split/Casseete Air- Conditioner including foaming etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-03914 | a | 1/2" x 1/4" | 1 Mtr | 980 |
| | MAT-03915 | b | 5/8" x 1/4" | 1 Mtr | 1077 |
| | MAT-03916 | c | 3/4" x 3/8" | 1 Mtr | 1180 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03917 | d | 7/8" x 1/2" | 1 Mtr | 1331 |
| | MAT-03918 | e | 1 1/8" x 5/8" | 1 Mtr | 1634 |
| 309 | MAT-03919 | ELEC-5.9.26 | Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit Makes : As per list of recommended brands. | 1 No | 1803 |
| 310 | MAT-03920 | ELEC-5.9.27 | Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON. | 1 No | 303 |
| 311 | MAT-03921 | ELEC-5.9.28 | Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON. | 1 No | 520 |
| 312 | MAT-03922 | ELEC-5.9.29 | Fan blade for 1.0 / 1.5 Ton A.C.Machine. | 1 No | 605 |
| 313 | MAT-03923 | ELEC-5.9.30 | Installation of Split Air Conditioners. | 1 No | 2200 |
| 314 | MAT-03924 | ELEC-5.9.31 | Removing of existing Split Air Conditioners without damaging to copper pipe. | 1 No | 726 |
| 315 | MAT-03925 | ELEC-5.9.32 | Installation of Cassette type Split Air Conditioners. | 1 No | 5500 |
| 316 | MAT-03926 | ELEC-5.9.33 | Installation of Tower type Split Air Conditioners. | 1 No | 4125 |
| 317 | MAT-03927 | ELEC-5.9.34 | Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of 3.5 /4.50 TR Casseete AC unit. | 1 Set | 2057 |
| 318 | LAB-01181 | ELEC-5.9.35 | Repairs and Installation of existing PCB in 1.0 / 1.5 / 2.0 Ton Split A.C.Unit | 1 No | 780 |
| 319 | LAB-01182 | ELEC-5.9.36 | Overhauling and servicing the Split type 1.5/2.0 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 Job | 690 |
| 320 | LAB-01183 | ELEC-5.9.37 | Overhauling and servicing the Cassette type 1.5/2.0/3.5/4.0 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 Job | 936 |
| 321 | | ELEC-5.9.38 | Supply, Transportation, Installation, Testing and Commissioning of the following actual capacity at | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 45°C ambient OUTDOOR CONDENSING UNITS-INVERTER type suitable to operate upto 52°C ambient temperature with minimum one variable speed inverter scroll compressor. Matching air cooled condenser with copper tubes and aluminium fins duly covered by anti-corrosion and hydrophillic resin film. Scroll compressors suitable for operation with R-410A.. Unit with all necessary safety devices like high/low pressure cut-outs, fan motor thermal overload protector, over current/low current safety, fuses etc. Suitable for operation on 80V~415V~3Ph~50Hz A.C. supply. Oil separator and Accumulator to be provided for inverter compressors and with copper condensing units. Makes : As per list of recommended brands. | | |
| | | a | 2.5 TR | 1 No | 55000 |
| | | b | 3.5 TR | 1 No | 83000 |
| | | c | 5.5 TR | 1 No | 85400 |
| | | d | 8.5 TR | 1 No | 122000 |
| | | e | 11 TR | 1 No | 146000 |
| | | f | 17 TR | 1 No | 239000 |
| | | | AIR HANDLING UNITS | | |
| 322 | | ELEC-5.10.1 | Supply, Installation, Testing and Commissioning of double skin horizontal floor mounted air handling unit of recirculation type having mixing box with fresh air & return air manually operated AL dampers. Fresh air inlet should have back draft dampers along with AL manually operated fresh air dampers. Units shall be with minimum 80mm GI base channel. The panel thickness should be 46+/-2mm having thermal break AL profile. Outer skin of the unit should be 0.6mm pre-coated GI sheet & Inner skin should be 0.8mm AL. All internal blank off should be GI. Filter section with 90% efficiency down to 10 micron pre-filter box | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>type followed by 95% efficiency down to 5 micron Microvee filter in a separate filter frame. Cooling coil section should be 6 or 8 Row Deep Direct Expansion intertwining cooling coil compatible for Mitsubishi /DAIKIN/Toshiba/O General/ Blue star/Hitachi/Carrier outdoor unit. Fin thickness should be 0.15mm & fin spacing should be 12 FPI. Coil casing should be GI & fin shall be with standard fin material. Coil shall be 18G SS-304 drain pan with 13mm thick closed cell nitrile rubber insulations. Unit shall be ultra violet lamp to kill germs/fungus. Heater section should be with 4kW electric strip heater in 2 banks. Fan section should be SISW direct driven plug fan with a minimum efficiency of 65%. Motors should be IE-2, TEFC squirrel cage induction type with IP-55 protection, 415V, 3Phase & 50Hz. Motor drive should be VFD. VFD drive should be included in AHU supply. Fan should be housed over the spring isolator. Unit should be supplied with manually operated AL dampers. The AHU package should include Electronic expansion valves compatible to condensing units, Temperature sensor and controller compatible to inverter drive, communication cables from AHU to condensing unit etc., including cost of all accessories and all labour charges, transportation etc., complete.</p> <p>Makes : As per list of recommended brands.</p> | | |
| | | | 1000 cfm 2.5" static | Each | 65000 |
| | | | 1400 cfm 2.5" static | Each | 75000 |
| | | | 2200 cfm 3.5" static | Each | 115000 |
| | | | 3400 cfm 4.5" static | Each | 185000 |
| | | | 4400 cfm 4.5" static | Each | 225000 |
| | | | 6800 cfm 4.5" static | Each | 335000 |
| | | | 8800 cfm 5.5" static | Each | 385000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 323 | | ELEC-5.10.2 | Supply, installation, testing and commissioning of tube axial flow type Supply Air Fan of suitable capacity .....WC static pressure with powder coated MS/GSS casing and aluminium alloy impellers with high efficiency aero-foil sections, blades, the impeller directly driven by TEFC induction motor (IE-2) and 'F' class insulation suitable for 3 Phase, 50 Hz, 415±10% Volt, ac supply (and as per manufacturer specification) for a static pressure as indicated below. Fan section shall be suitable for Floor Mounted out door application as well as ceiling suspended indoor applications with suitable capacity of starter with Four Pole MCB etc., and other protective devices of approved brands within MS enclosure box complete as required and as per specifications. The fan shall be equipped with mounting bracket Inlet & outlet cone required at discharge. The sound pressure should not exceed 80 db(A) at a distance of 3 Mts. The Fan should be complete with all accessories including fire rated canvas connection with metallic flange, vibration isolators, gravity louvers, bird screen etc., as per specification including transportation to site, all mounting arrangements like brackets etc., and cost of all accessories and all labour charges complete. Fan total efficiency should not be less than 60%. Makes : As per list of recommended brands. | | |
| | | a | 1500 CFM/ 20mm | Each | 17419 |
| | | b | 2500 CFM/ 20mm | Each | 19441 |
| | | c | 3000 CFM/ 20mm | Each | 19441 |
| | | d | 3500 CFM/ 20mm | Each | 21656 |
| | | e | 4000 CFM/ 20mm | Each | 24411 |
| | | f | 5000 CFM/ 20mm | Each | 27910 |
| | | g | 5500 CFM/ 20mm | Each | 25997 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | h | 6500 CFM/ 35mm | Each | 30995 |
| | | i | 9500 CFM/ 20mm | Each | 36103 |
| | | j | 11500 CFM/ 35mm | Each | 41593 |
| | | k | 12000 CFM/ 35mm | Each | 41593 |
| | | l | 16000 CFM/ 35mm | Each | 56406 |
| 324 | | ELEC-5.10.3 | <p>Supply, installation, testing and commissioning of tube axial flow type Fire rated Exhaust Air Fan of suitable capacity WC static pressure with powder coated MS/ GSS casing and aluminium alloy impellers with high efficiency aero-foil sections, blades, the impeller directly driven by TEFC induction motor (IE-2) and 'H' class insulation suitable for 3 Phase, 50 Hz, 415±10% Volt, ac supply, (and as per manufacturer specification) for a static pressure as indicated below. Fan section shall be suitable for Floor Mounted out door application as well as ceiling suspended indoor applications with suitable capacity of starter with Four Pole MCB etc., and other protective devices of approved brands within MS enclosure box complete as required and as per specifications. The fan shall be equipped with mounting bracket Inlet & outlet cone required at discharge. Fans should be AMCA certified. The sound pressure should not exceed 80 db(A) at a distance of 3 Mts. Fan and Motor for Fire exhaust fans shall be suitable for operation at minimum 250 deg C for 2 hrs. The Fan should be complete with all accessories including fire rated canvas connection with metallic flange, vibration isolators, gravity louvers, bird screen etc., as per specification including transportation to site, all mounting arrangements like brackets etc., and cost of all accessories and all labour charges complete. Fan total efficiency should not be less than 60%. Makes : As per list of recommended brands.</p> | | |
| | | a | 2500 CFM/ 20mm | Each | 22736 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | b | 3000 CFM/ 20mm | Each | 21990 |
| | | c | 3500 CFM/ 20mm | Each | 24759 |
| | | d | 4000 CFM/ 20mm | Each | 24759 |
| | | e | 5000 CFM/ 20mm | Each | 29858 |
| | | f | 5500 CFM/ 20mm | Each | 29858 |
| | | g | 16000 CFM/ 35mm | Each | 64949 |
| | | h | 19000 CFM/ 25mm | Each | 65799 |
| 325 | | ELEC-5.10.4 | Supplying, installing, testing and commissioning of low noise silent type .....ESP INLINE FAN. The motor shall be suitable for 220 volt single phase 50 cycles AC supply, 6/15 Amp plug and wiring between the fan and the socket and low sound level exceeding not more than 50dBA. Fan should be complete with all accessories including canvas connection, gravity louver/ shutter as required etc., as per manufacturer specification including transportation to site, all mounting arrangements like brackets etc., as per specification including transportation to site, all mounting arrangements like brackets etc., and cost of all accessories and all labour charges complete. Makes : As per list of recommended brands. | | |
| | | a | 100 CFM / 3-5 mm | Each | 4386 |
| | | b | 150 CFM / 3-5 mm | Each | 4627 |
| | | c | 200 CFM / 5 mm | Each | 4723 |
| | | d | 300 CFM / 5 mm | Each | 5639 |
| | | e | 400 CFM / 5 mm | Each | 7046 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | f | 450 CFM / 5 mm | Each | 5976 |
| | | g | 500 CFM / 5 mm | Each | 7229 |
| | | h | 600 CFM / 8 mm | Each | 8868 |
| | | l | 800 CFM / 8 mm | Each | 10121 |
| | | J | 1000 CFM / 8 mm | Each | 11133 |
| | | K | 1300 CFM / 10 mm | Each | 12483 |
| 326 | | ELEC-5.10.5 | Supplying, installing, testing and commissioning of .....SP-For Fresh Air Cabinet FAN SECTION - DIDW of double skin construction as per specifications, each complete with squirrel cage induction motor (mounted internally), centrifugal fan belt drive and vibrations isolators, base, drive arrangement, flexible canvass connection inside and for duct connection and all other accessories as required and as called for in the drawings. Motors shall be suitable for $415 \pm 10\%$ volts, 50 cycles, 3 phase or 220 volt single phase 50 cycles AC supply (as per manufacturer specification) for a static pressure as indicated. In addition all supply fans (SF) shall be provided with 50mm thick prefilter. Fan section shall be suitable for Floor Mounted out door application as well as ceiling suspended indoor applications with suitable capacity of starter with Four Pole MCB etc., and other protective devices of approved brands within MS enclosure etc., as per specification including transportation to site, all mounting arrangements like brackets etc., and cost of all accessories and all labour charges complete. Makes : As per list of recommended brands. | | |
| | | a | 15000 CFM / 30mm | Each | 87233 |
| | | b | 25000 CFM / 30mm | Each | 304882 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 327 | | ELEC-5.10.6 | <p>Supply, Installation, Testing and Commissioning of Electrostatic Type Kitchen Exhaust Air Cleaner (Dry Scrubber) complete with the following accessories, components etc.making it a completely functional dry scrubber suitable for Kitchen Hood Exhaust.The component to be included are:-</p> <p>Fan Section:-Double skin floor mounted cabinet fan section for exhaust air made of 25 ± 2 mm thick panel consisting of pre painted GSS sheet of thickness 0.8mm outside layer and 0.63 mm inside layer with polyurethane foam (PUF) insulation of density 40 kg/m³ factory injected between them by injection moulding machine, complete with SISW backward curved centrifugal fan suitable for static pressure as required with TEFC induction motor (IP 55 protection) should be of high efficiency class IE3 suitable for 3 Phase 50 Hz 415V ± 10 %, of Class F insulation, internal fire rated flexible connection with flanges, fire rated connection for duct/ dry scrubber, gravity louver, vibration isolator etc. including all accessories complete as required and as per specifications. Motor and drive shall be out of hot air stream and shall be protected with GI covering/weather proof canopy. Pre Filter Section with Wire Mesh SS Filters for Coarse Particle.</p> <p>Electrostatic Precipitator Section - Electrostatic section shall be made of 16 SWGgalvanised sheet, high bake epoxy powder coated, SS Spiked ionizers to create highvoltage DC field, aluminum collector plates which should be alternatively charged positive and negative with large collecting area with deep cell, to work as magnet for charged smoke and oil particles. Average efficiency of 90-95% in single pass as per ASHRAE/DOP test method.</p> <p>Electrostatic Precipitator should be able to charge particles from 0.01 micron to 10 microns through solid state power supply. Collector cell should be of permanent type and incorporate slide out facility for easy removal for cleaning.Power supplies shall be 100% solid state. Suitable capacity of starter with Four Pole MCB etc., and other protective devices of approved brands and other protective devices within M.S enclosure box with suitable length of cable for connection with fan from isolator complete as required and as per specifications. Fan should be</p> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | complete with all accessories including canvas connection,vibration isolators etc., as per specification including transportation to site, all mounting arrangements like brackets etc., and cost of all accessories and all labour charges complete. Makes : As per list of recommended brands. | | |
| | | a | 18000 CFM / 65mm | Each | 373016 |
| | | b | 30000 CFM / 65mm | Each | 679370 |
| 328 | | ELEC-5.10.7 | Supplying, installing, testing and commissioning of 150 mm dia low noise direct driven wall mounted PROPELLER FAN. Each fan shall be complete with permanent split capacitor or shaded pole motor, mounting plate with light weight type PVC /aluminium impellers with aerofoil contours for high efficiency & finsihed with decorative frames & gravity shutter/ bird screen at discharge as required. The motor shall be suitable for 220 volt single phase 50 cycles AC supply, 6/15 Amp plug and wiring between the fan and the socket etc., as per specification including transportation to site, all mounting arrangements like brackets etc., and cost of all accessories and all labour charges complete. Makes : As per list of recommended brands. | | |
| | | a | 150 mm dia | Each | 1957 |
| | | b | 300 mm dia | Each | 2699 |
| 329 | | ELEC-5.10.8 | Supply, Transportation, Installation, Testing and Commissioning of Ceiling suspended laminar flow (Planair Ceiling system) with unidirectional airflow work space / discharge plenum for operation rooms comprising as standard feature with HEPA filter efficiency not less than 99.97% down to 0.3 Microns (Factory DOP tested), per operation room shall not be less than 3.1 sqm area with appropriate depth to accomodate absolute filters, with air flow at approx. 90-100 Fpm velocity. Size 8ft X 6ft. The laminar flow system shall have such design that it provides "H13/14" class Hepa filter. Material of construction Shall be 1.2mm thick S S 304 Plenum | Each | 275000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | with S S Perforated sheet at the bottom. Each air inlet should be supplied with Aluminium opposed blade damper. Diffuser : 2 layer monofilament precision woven polyester of uniform porosity with an open area of sufficient resistance to create laminar flow from diffusers face and integral lighting provides an illumination level in excess of 1500 Lux in operating area and 1000 Lux other electronic stepless dimming down to 5% without flicker. The entire plenum should be insulated with 19mm thick Al faced nitrile rubber. Bottom discharge should be perforated SS Sheet of 1.6mm with reinforcement to avoid waviness. | | |
| | | | SECTION 6 | | |
| | | 6.1 | SWAGED / OCTAGONAL POLES AND GARDEN POSTS | | |
| 330 | MAT-03928 | ELEC-6.1.1 | Fabrication, supply and transportation of all sizes swaged poles up to site conforming 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 | 82 |
| 331 | MAT-03929 | 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 | 74 |
| 332 | MAT-03930 | ELEC-6.1.3 | Supply of different sizes of M. S. Pipe brackets (Rate per K.G) | 1 Kg | 74 |
| | | | OCTOGONAL POLES | | |
| 333 | MAT-03931 | 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 Hinged 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 7.5 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 : As per list of recommended brands. | 1 No | 13842 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 334 | MAT-03932 | ELEC-6.1.5 | 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 Hinged 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 : As per list of recommended brands. | 1 No | 20009 |
| 335 | MAT-03933 | ELEC-6.1.6 | 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 Hinged 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 : As per list of recommended brands. | 1 No | 21998 |
| 336 | MAT-03934 | ELEC-6.1.7 | 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 : As per list of recommended brands. | 1 No | 31779 |
| | | | DECORATIVE DRAGON TYPE BRACKET WITH POLE | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 337 | | ELEC-6.1.8 | 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 and MCB's as per IS specification suitable to withstand the wind speed of 180KMPH for 9 Mtrs Mounting height Pole having dimensions Bttom 185 mm,. Top 70mm with 3mm thick, base plate 275 x 275 x 20mm and 4 Nos of M24 x 1000 long 'J' bolts along with templates. Including Supply of 1.5M Dragon type decorative | | |
| | MAT-03935 | a | galvanised double arm with PU Painted bracket. | 1 No | 31308 |
| | MAT-03936 | b | galvanised Single arm with PU Painted bracket. | 1 No | 26836 |
| | MAT-05544 | c | Double arm GalvanizeFinished bracket | 1 No | 26483 |
| | MAT-05545 | d | Single arm GalvanizeFinished bracket | 1 No | 24011 |
| 338 | | ELEC-6.1.9 | 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 and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs Mounting height Pole having dimensions Bottom 185 mm,. Top 70mm with 3mm thick, base plate 275 x 275 x 20mm and 4 Nos of M24 x 1000long 'J' bolts along with templates. Including Supply of 1.5M Dragon type decorative | 1 No | DELETED |
| 339 | | ELEC-6.1.10 | Fabrication, Transportation and supply of hot-dip PU Paint finish Curved 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 and MCB's as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs Mounting height Curved Pole having dimensions Bottom 180 mm,. Top 85mm with 3mm thick, base plate 400 x 400 x 20mm and 4 Nos of M24 x 750 long 'J' bolts along with templates. Including Supply of 0.2M long Single arm bracket. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| | MAT-03937 | a | Galvanized | 1 No | 26247 |
| | MAT-05546 | b | Galvanized PU paint finished | 1 No | 35545 |
| | | | POLE BRACKETS | | |
| 340 | MAT-03938 | ELEC-6.1.11 | Fabrication, Transportation and supply of 1.0 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 1530 |
| 341 | MAT-03939 | ELEC-6.1.12 | Fabrication, Transportation and supply of 1.50 Mtr Length Single Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 2024 |
| 342 | MAT-03940 | ELEC-6.1.13 | Fabrication, Transportation and supply of 1 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 1895 |
| 343 | MAT-03942 | ELEC-6.1.15 | Fabrication, Transportation and supply of 1.5 Mtr Length Single Arm suitable size decorative galvanized Bracket with PU paint colour finish etc complete. Makes : As per list of recommended brands. | 1 No | 5650 |
| 344 | MAT-03943 | ELEC-6.1.16 | Fabrication, Transportation and supply of 1.5 Mtr Length Double Arm suitable size decorative galvanized Bracket with PU paint colour finish etc complete. Makes : As per list of recommended brands. | 1 No | 10711 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 345 | MAT-03944 | ELEC-6.1.17 | Fabrication, Transportation and supply of of 1.5mtrs sword type or any decorative double arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 6238 |
| 346 | MAT-03945 | ELEC-6.1.18 | Fabrication, Transportation and supply of of 1.5mtrs sword type or any decorative Single arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 4826 |
| 347 | MAT-03946 | ELEC-6.1.19 | Fabrication, Transportation and supply of of 1.0mtrs sword type or any decorative double arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 5061 |
| 348 | MAT-03947 | ELEC-6.1.20 | Fabrication, Transportation and supply of of 1.0 mtrs sword type or any decorative Single arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe. Makes : As per list of recommended brands. | 1 No | 4237 |
| | | | HIGH MAST POLES | | |
| 349 | MAT-03948 | ELEC-6.1.21 | 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 M24 x 800 mm foundation bolts of required quantity, and GI Pipe ring suitable for fixing luminaires with LED type aviation twin lamp. Makes : As per list of recommended brands. | 1 No | 123585 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 350 | MAT-03949 | ELEC-6.1.22 | 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 M24 x 800 mm foundation bolts of required quantity and GI Pipe ring suitable for fixing luminaires with LED type aviation twin lamp. Makes : As per list of recommended brands. | 1 No | 162426 |
| 351 | MAT-03950 | ELEC-6.1.23 | 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 460mm 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 670mm 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 M30 x 750 mm foundation bolts of required quantity and GI Pipe ring suitable for fixing luminaires with LED type aviation twin lamp. with GLS type aviation twin lamp. Makes : As per list of recommended brands. | 1 No | 210095 |
| | | | FEEDER PILLAR BOXES | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 352 | MAT-03951 | ELEC-6.1.24 | Supply and fixing of suitable out door type feeder pillar box made with 14 SWG CRCA sheet after 7 tank process including S & F 40-63A FP MCB, 6 Nos SP MCB's, din chanel, bus bars, 6 Sqmm 3 core copper cable for internal wiring, contactor, connectors and provision for energy meter etc., complete for finished item of work. Makes : As per list of recommended brands. | 1 No | 21539 |
| 353 | MAT-03952 | ELEC-6.1.25 | Supply and fixing of suitable out door type feeder pillar box made with 14 SWG CRCA sheet after 7 tank process including S & F 40-63A FP MCB, 9 Nos SP MCB's, din chanel, bus bars, 6 Sqmm 3 core copper cable for internal wiring , contactor, connectors and provision for energy meter etc., complete for finished item of work. Makes : As per list of recommended brands. | 1 No | 22245 |
| | | | ERRECTION- HIGH MAST POLES | | |
| 354 | MAT-03953 | ELEC-6.1.26 | 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 | 33739 |
| 355 | MAT-03954 | ELEC-6.1.27 | 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 | 42174 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 356 | MAT-03955 | ELEC-6.1.28 | 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 M20 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 | 54173 |
| 357 | | ELEC-6.1.29 | Supply of Sizes thermo plastic cable junction boxes with IP66/67 weather proof, for outdoor installation with konckouts for cable entry including terminals etc., complete (sizes in mm). Makes : As per list of recommended brands. | | |
| | MAT-03956 | a | 155 X 210 X 92 | 1 No | 1893 |
| | MAT-03957 | b | 205 X 255 X112 | 1 No | 2754 |
| | MAT-03958 | c | 225 X 295 X 122 | 1 No | 9695 |
| | MAT-03959 | d | 255 X 600 X 170 | 1 No | 10670 |
| | | | FOUNDATION AND ERRECTION CHARGES OF POLES | | |
| 358 | MAT-03960 | ELEC-6.1.30 | Erection charges for 7.50 Mts long Octagonal pole on bridge kerb portion with 4 Nos, 8" Anchor bolts with chemical treatment with suitable "J" type bolts etc duly drilling holes to RCC slab with V.C.C. M.15 concrete for suitable base concreting with necessary steel reinforcement work and curing for 7 days etc. including cost and conveyance of all material and all labour charges etc.complete as directed by the department officers. | 1 Job | 4990 |
| 359 | MAT-03961 | ELEC-6.1.31 | Foundation and erection charges with special T&P, for 7.50 Mtrs long Octagonal /Conical pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing of 0.45Mtr x 0.45Mtrs x1.20 Mtr size M20 cc work vibrated concreting mixing with necessary steel (10kgs) reinforcement and curing for 7 days as directed by the field engineers during execution including | 1 Job | 5821 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | excavation of Earth/BT all labour charges and cost and conveyance of materials etc.complete. | | |
| 360 | MAT-03962 | ELEC-6.1.32 | Foundation and erection charges with special T&P, for 9.00Mtrs / 10Mtrs long Octagonal / Conical pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing of 0.60Mtr x 0.60Mtrs x 1.40 Mtr size M20 cc work vibrated concreting mixing with necessary steel (15kgs) reinforcement and curing for 7 days as directed by the field engineers during execution including excavation of Earth/BT all labour charges and cost and conveyance of materials etc.complete. | 1 Job | 7841 |
| 361 | MAT-03963 | ELEC-6.1.33 | Foundation and erection charges with special T&P, for 12Mtrs long Octagonal /Conical pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing of 0.67Mtr x 0.67Mtrs x 1.50 Mtr size M20 cc work vibrated concreting mixing with necessary steel (20kgs) reinforcement and curing for 7 days as directed by the field engineers during execution including excavation of Earth/BT all labour charges and cost and conveyance of materials etc.complete. | 1 Job | 9623 |
| | | | GRP POLES | | |
| 362 | | ELEC-6.1.34 | Supply and transportation of following glass reinforced polymer (GRP) composite type Conical pole with single arm bracket of length 1Mtr and internal junction box including labour charges etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-03964 | a | ...do.... 3.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr | 1 No | 10005 |
| | MAT-03965 | b | ...do.... 4.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr | 1 No | 12712 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03966 | c | ...do.... 6.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr | 1 No | 15890 |
| | MAT-03967 | d | ...do.... 8.00 Mtrs height, Bottom dia 193mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr | 1 No | 20480 |
| | MAT-03968 | e | ...do.... 9.00 Mtrs height, Bottom dia 210mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr | 1 No | 22363 |
| | MAT-03969 | f | ...do.... 10.00 Mtrs height, Bottom dia 227mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr | 1 No | 32368 |
| 363 | | ELEC-6.1.35 | Supply and transportation of base bracket suitable for glass reinforced polymer (GRP) composite type pole including labour charges etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-03970 | a | ...do.... For 3.00 Mtrs Pole | 1 No | 1824 |
| | MAT-03971 | b | ...do.... For 4.00 Mtrs Pole | 1 No | 1824 |
| | MAT-03972 | c | ...do.... For 6.00 Mtrs Pole | 1 No | 2177 |
| | MAT-03973 | d | ...do.... For 8.00 Mtrs Pole | 1 No | 2531 |
| | MAT-03974 | e | ...do.... For 9.00 Mtrs Pole | 1 No | 4826 |
| | MAT-03975 | f | ...do.... For 10.00 Mtrs Pole | 1 No | 6003 |
| | | 6.2 | LT PANEL AND ACCESSORIES | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 364 | MAT-03976 | ELEC-6.2.1 | Supply Installation Testing and commissioning of free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet, required hardware, duly painted by two coats of zinc/red oxide primer followed by Powder coated / epoxy / PU painted with phosphatisation in grey or required shade after rinsing. The panel having PU/Neoprene rubber gasket of not less than 3mm thickness, separate detachable, gland plate M.S. base channel, hinged door with locking arrangement for equipment/switchgear. Thickness of sheet shall not be less than 1.6mm up to 600mm length/width of any compartment and be of 2.0mm above 600mm. Load bearing structure shall be of 2.0mm thick sheet supported by base M.S. channel if required. Side walls and cable alley compartments having bolted type doors with detachable extension type structure (only outer area on all sides shall be measured and panel to be fabricated from CPRI approved fabricator). | 1 sqm | 5320 |
| 365 | | ELEC-6.2.2 | Supply and fixing of..... bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves | | |
| | MAT-03977 | a | Electrolytic grade aluminium bus bar | kg | 469 |
| | MAT-03978 | b | Electrolytic grade copper bus bar | kg | 990 |
| 366 | | ELEC-6.2.3 | Supply and Fixing of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required. Makes : As per list of recommended brands. | | |
| | MAT-03979 | a | Analog type (96 mm x 96 mm) | 1 No | 935 |
| | MAT-03980 | b | Digital type | 1 No | 2090 |
| 367 | | ELEC-6.2.4 | Supply and Fixing of CT operated direct reading type Ammeter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| | | | Analog type (96 mm x 96 mm) | | |
| | MAT-03981 | a | Below 500 A | 1 No | 935 |
| | MAT-03982 | b | Above 500A | 1 No | 935 |
| | | | Digital type | | |
| | MAT-03983 | c | Below 500 A | 1 No | 2090 |
| | MAT-03984 | d | Above 500 A | 1 No | 2090 |
| 368 | | ELEC-6.2.5 | Supply and Fixing of Current Transformer , with all necessary support in existing panel including connection etc. as required: Makes : As per list of recommended brands. | | |
| | MAT-03985 | a | up to 150 / 5 Ratio , 5 VA , class 1 accuracy | 1 No | 523 |
| | MAT-03986 | b | from 200 / 5 to 400/5 Ratio , 10 VA , class 1 accuracy | 1 No | 770 |
| | MAT-03987 | c | from 500 / 5 to 1600/5 Ratio , 15 VA , class 1 accuracy | 1 No | 1045 |
| | MAT-03988 | d | from 2000 / 5 to 3200 /5 Ratio , 15 VA, class 1 accuracy | 1 No | 1650 |
| 369 | MAT-03989 | ELEC-6.2.6 | Supply and Fixing of selector switch for voltmeter (4 position) including making connection etc. as required Makes : As per list of recommended brands. | 1 No | 374 |
| 370 | MAT-03990 | ELEC-6.2.7 | Supply and Fixing of CT linked selector switch of 10 A for Ampere meter (4position) including making connection etc. as required. Makes : As per list of recommended brands. | 1 No | 413 |
| 371 | | ELEC-6.2.8 | Supply and fixing of single phase Electronic energy Meter,.....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 : As per list of recommended brands. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03991 | a | Single Phase | 1 No | 1100 |
| | MAT-03992 | b | Three Phase | 1 No | 3080 |
| 372 | | ELEC-6.2.9 | Supply and Fixing of 240/220 V, LED (22.5 mm dia) Pilot lamp with integral circuit, terminal block, including connection etc. as required | | |
| | MAT-03993 | a | Red/yellow/Green colour | 1 No | 132 |
| | MAT-03994 | b | Blue colour | 1 No | 220 |
| 373 | | ELEC-6.2.10 | Supply and Fixing of Tap-off boxes suitable for following size of approved design | | |
| | MAT-03995 | a | up to 95 sq. mm.(3.5/4 core) | 1 No | 440 |
| | MAT-03996 | b | from 120 sq. mm. to 185 sq. mm.(3.5/4 core) | 1 No | 770 |
| 374 | MAT-03997 | ELEC-6.2.11 | Supply and Fixing of energy analyser (multy function energy meter) with LCD/LED display capable of minimum 20 numbers electrical parameters display with 1A/5A CT input for LV/ HV network, RS 485 communication port etc. complete in all respect. | 1 No | 11550 |
| 375 | | ELEC-6.2.12 | Supply Installation Testing and commissioning of self healing MPP/MP type shunt capacitor (banks) conforming to IS:13340-41 / IEC :831-1&2 in existing panel or parallel with load terminals , the capacitor shall be fitted with discharge resistors, pressure sensitive disconnecter (PSD) and shall have dissipation factor less than 0.0025 at 50 Hz and total wattage loss less than 0.5 Watt per KVAR. including making connections with suitable capacity conductors/cables testing as required. Makes : As per list of recommended brands. | | |
| | MAT-03998 | a | Standard duty Single phase 250 V / Three phase 440 V, 50 Hz capacitor (Bank) | 1 KVAR | 237 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-03999 | b | Heavy duty Three phase 440 V , 50 Hz capacitor (Bank) | 1 KVAR | 356 |
| 376 | MAT-04000 | ELEC-6.2.13 | Supply Installation Testing and commissioning of microprocessor based intelligent power factor correction relay having sensitivity up to 50 milli Amp secondary current and following way, self analysing auto c/k setting according to targeted power factor setting, the relay shall have minimum three digit display unit for display of real power factor, targeted power factor, lag/lead capacitor switching status, alarm output for under current, over current, insufficient compensation, indication of switching on units, auto/manual status, and shall have over load protection, no volt release etc. as required. Makes : As per list of recommended brands. | | |
| | | | 6 to 14 stage - sensitivity upto 50 milli Amp | 1 No | 21958 |
| 377 | | ELEC-6.2.14 | Supply and Fixing of Cam operated rotary switches on existing panel with 2 way and off position. Makes : As per list of recommended brands. | | |
| | | | one pole | | |
| | MAT-04001 | a | 16 A | 1 No | 415 |
| | MAT-04002 | b | 32 A | 1 No | 534 |
| | MAT-04003 | c | 63 A | 1 No | 771 |
| | | | Two pole | | |
| | MAT-04004 | d | 16 A | 1 No | 475 |
| | MAT-04005 | e | 32 A | 1 No | 629 |
| | MAT-04006 | f | 63 A | 1 No | 1039 |
| | | | Three pole | | |
| | MAT-04007 | g | 16 A | 1 No | 593 |
| | MAT-04008 | h | 32 A | 1 No | 831 |
| | MAT- | i | 63 A | 1 No | 1484 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 04009 | | | | |
| | | | Four pole | | |
| | MAT-04010 | j | 16 A | 1 No | 593 |
| | MAT-04011 | k | 32 A | 1 No | 890 |
| | MAT-04012 | l | 63 A | 1 No | 1662 |
| 378 | | ELEC-6.2.15 | Supply and Fixing of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1 having provision of mechanical interlocking, Din rail mounting type including making connections, testing etc. as required. Makes : As per list of recommended brands. | | |
| | | | 3 pole AC3 Rating contactors | | |
| | MAT-04013 | a | Up to 12 Amp | 1 No | 950 |
| | MAT-04014 | b | 13 to 32 Amp | 1 No | 1573 |
| | MAT-04015 | c | 35 to 40 Amp | 1 No | 1899 |
| | MAT-04016 | d | 41 to 50 Amp | 1 No | 4154 |
| | | | 4 pole AC 1 Rating contactors | | |
| | MAT-04017 | e | Up to 25 Amp | 1 No | 1187 |
| | MAT-04018 | f | 26 to 32 Amp | 1 No | 1424 |
| | MAT-04019 | g | 33 to 45 Amp | 1 No | 2374 |
| | MAT-04020 | h | 46 to 60 Amp | 1 No | 4985 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 379 | | ELEC-6.2.16 | Supply and Fixing of 440 Volt 3 pole capacitor (AC 6 B) duty contactor with 3 no. early make and post break auxiliary contacts in series with quick dischargedamping resistors/ reactors to limit the inrush current ,conforming to IS:13947-4-1/IEC:947-4-1, Din rail mounting type ncluding making onnections, testing etc. as required. suitable for following capacity capacitor bank . Makes : As per list of recommended brands. | | |
| | MAT-04021 | a | Up to 6 KVAR | 1 No | 1899 |
| | MAT-04022 | b | 7 to 10 KVAR | 1 No | 2136 |
| | MAT-04023 | c | 11 to 20 KVAR | 1 No | 3205 |
| | MAT-04024 | d | 21 to 25 KVAR | 1 No | 4273 |
| | MAT-04025 | e | 30 KVAR | 1 No | 6172 |
| | MAT-04026 | f | 40 KVAR | 1 No | 9851 |
| | MAT-04027 | g | 50 KVAR | 1 No | 11394 |
| 380 | | ELEC-6.2.17 | Supply and Fixing of thermal over load relay with built in single phase protection and having at least 1NO & 1NC contacts, manual /auto reset facility including making connection testing etc. as required. Makes : As per list of recommended brands. | | |
| | MAT-04028 | a | Up to 14 A | 1 No | 1424 |
| | MAT-04029 | b | 15 to 20 A | 1 No | 1899 |
| | MAT-04030 | c | 21 to 30 A | 1 No | 2730 |
| | MAT-04031 | d | 31 to 40 A | 1 No | 3086 |
| 381 | | ELEC-6.2.18 | Supply and Fixing of push button actuators and integral contact block of dia. 22.5 mm including making connection etc. as required. Makes : As per list of recommended brands. | | |
| | MAT- | a | Non luminous type | 1 No | 113 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 04032 | | | | |
| | MAT-04033 | b | Luminous type | 1 No | 154 |
| | | 6.3 | SUB STATION EQUIPMENT AND TRANSFORMERS | | |
| 382 | MAT-04034 | ELEC-6.3.1 | Supply, Installation, Testing & Commissioning of HT metering cubical panel as approved By DISCOMs fabricated out of 14 SWG CRCA sheet steel in two compartment & MS angle of size 60mmX6mm having provision for Following: Makes : As per list of recommended brands. | 1 No | 28486 |
| | | | (i) Provision for fixing Trivector Meter (To be supplied by DISCOMs) | | |
| | | | (ii) Provision for fixing of combined CT PT Set (To be supplied by DISCOMs) | | |
| | | | (iii) TT Block | | |
| | | | (iv) 6mm Bakelite sheet on all sides. | | |
| 383 | MAT-05547 | ELEC-6.3.1a | Supply, Transportation, Installation and Commissioning of 11 KV, 630A, 25 KA Outdoor type Load Break Switch as detailed below with suitable CC foundation and 2 Nos GI pipe earthing with brick masonry chambers etc complete for finished item of work. Makes : As per list of recommended brands. a) Load break switch: 11KV,630A, 25 KA with fuse trip, earth switch, manually operated spring charged mechanism with 2 no + 2 NC. b) HT HRC fuse upto 63A - 3 nos. c) Bus bar connection. d) Indication lamps. e) Manual trip Push button. | | 142428 |
| | | | 33 KV HT Panel (drawout type) | | |
| 384 | | ELEC-6.3.2 | Supply, Installation, Testing and Commissioning of indoor type floor mounted metal clad, Switchgear Panel enclosure of sheet steel preferably Aluzinc, dust tight, vermin proof, totally enclosed cubicle floor mounting, free standing type with single break, horizontally drawout type breaker with trip free mechanism as per latest standard i.e. IS/IEC 62271-200 as amended up to date and as per Technical specifications, IP4X for VCB Panel enclosure. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Switchgear Panel shall be electrically & mechanically interlocked as per IEC 62271-1, full voltage insulated copper Busbar with heat shrinkable sleeving, complete with suitable metering & protection devices, breaker featured with mechanical ON-OFF indicator with hand trip device and all accessories such as shunt trip coil, motorized & manually operated spring charging mechanism, emergency trip push buttons, auxiliary switch of 2NO + 2NC, interconnections, space heaters, panel earthing etc. and equipped with following switchgear and accessories including connection suitable for 3x185 to 3x 400 sqmm XLPE 33 kV cable (cable entry from bottom) to be connected through heat shrinkable jointing material etc as required. (Note - Cost of end termination not included in this item.) Makes : As per list of recommended brands. | | |
| | | | <u>INCOMER/OUTGOINGS 1 No. each comprising the following</u> | | |
| | | | 1 No. 800 Amp. VCB. 31.5KA | | |
| | | | 1 No. Integral Earth switch for line side earthing | | |
| | | | 3 No. dual core CTs 600A/1/1A of 7.5VA burden max and accuracy Class 0.5 for metering and class 5P10 for protection | | |
| | | | 3 No. Cast Resin 33000V/v3/110V/v3/110V/v3 PT Class 0.5/3P accuracy and 30VA burden max with and protection fuses / MCB. | | |
| | | | 1 No. Digital voltmeter with selector switch. | | |
| | | | 1 No. Digital Ammeter with selector switch. | | |
| | | | 1 No. Microprocessor based numerical relays with O/L, E/F and S/C protection with Integrated Arc sensing feature alongwith trip/lockout / antipumping / aux. relays. | | |
| | | | 1 No. Multi-function meter. | | |
| | | | Set of MCBs for Panel AC/DC | | |
| | | | Set of MCBs for Main AC/DC | | |
| | | | Set of Indication lamps LED types | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | TNC Switch, L-R Switch, Pushbuttons for ON-OFF | | |
| | MAT-04035 | a | 33 KV 800A VCB Panel with 3 Nos. VCBs suitable for 50Hz 3-phase system, suitable for 31.5kA/3sec short circuit withstand capacity & 31.5kA/1sec Internal Arc capacity | 1 No | 3151220 |
| | | b | 33 KV 800A VCB Panel with 1 Nos. VCBs suitable for 50Hz 3-phase system, suitable for 31.5kA/3sec short circuit withstand capacity & 31.5kA/1sec Internal Arc capacity | 1 No | 1050400 |
| | | | 11KV HT Panel (drawout type) | | |
| 385 | | ELEC-6.3.3 | Supply, Installation, Testing and Commissioning of indoor type floor mounted metal clad, Switchgear Panel enclosure of sheet steel preferably Aluzinc, dust tight, vermin proof, totally enclosed cubicle floor mounting, free standing type with single break, horizontally drawout type breaker with trip free mechanism as per latest standard i.e. IS/IEC 62271-200 as amended up to date and as per Technical specifications, IP4X for VCB Panel enclosure. Switchgear Panel shall be electrically & mechanically interlocked as per IEC 62271-1, full voltage insulated copper Busbar with heat shrinkable sleeving, complete with suitable metering & protection devices, breaker featured with mechanical ON-OFF indicator with hand trip device and all accessories such as shunt trip coil, motorized & manually operated spring charging mechanism, emergency trip push buttons, auxiliary switch of 2NO + 2NC, interconnections, space heaters, panel earthing etc. and equipped with following switchgear and accessories including connection suitable for 3x185 to 3x 400 sqmm XLPE 11kV cable (cable entry from bottom) to be connected through heat shrinkable jointing material etc as required. (Note - Cost of end termination not included in this item.) Makes : As per list of recommended brands. | 1No | 1479500 |
| | | | <u>INCOMER /OUTGOINGS 1 No. each comprising the following</u> | | |
| | | | 1 No. 800 Amp. VCB. 26.3KA | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 1 No. Integral Earth switch for line side earthing | | |
| | | | 3 No. dual core CTs 600A/1/1A of 7.5VA burden max and accuracy Class 0.5 for metering and class 5P10 for protection | | |
| | | | 3 No. Cast Resin 11000V/v3/110V/v3/110V/v3 PT Class 0.5/3P accuracy and 30VA burden max with and protection fuses / MCB. | | |
| | | | 1 No. Digital voltmeter with selector switch. | | |
| | | | 1 No. Digital Ammeter with selector switch. | | |
| | | | 1 No. Microprocessor based numerical relays with O/L, E/F and S/C protection with Integrated Arc sensing feature alongwith trip/lockout / antipumping / aux. relays. | | |
| | | | 1 No. Multi-function meter. | | |
| | | | Set of MCBs for Panel AC/DC | | |
| | | | Set of MCBs for Main AC/DC | | |
| | | | Set of Indication lamps LED types | | |
| | | | TNC Switch, L-R Switch, Pushbuttons for ON-OFF | | |
| | MAT-04036 | a | 11 KV 800A VCB Panel with 3 Nos. VCBs suitable for 50Hz 3-phase system, suitable for 26.3kA/3sec short circuit withstand capacity & 26.3kA/1sec Internal Arc capacity | 1 No | 1596381 |
| | | b | 11 KV 800A VCB Panel with 1 Nos. VCBs suitable for 50Hz 3-phase system, suitable for 26.3kA/3sec short circuit withstand capacity & 26.3kA/1sec Internal Arc capacity | 1 No | 540000 |
| | | | Oil Immersed TRANSFORMERS | | |
| 386 | | ELEC-6.3.4 | Supply and Transportation of copper wound Transformers 33/0.433 KV, Three Phase, 50 Hz, DYN 11, ONAN type , Standard accessories, winding temperature rise of 45°C/40°C first fill oil, having permissible total loss values not exceeding 7.5%of the maximum total loss values for 33 KV as per energy efficiency level - 2 at basic Insulation level conforming to ISS 2026 (Part- I to Part - II), latest ammended and IS 1180 Part-I : 2014 described as above with Cable box on HV side and Bus duct on LV Side , ON load Tap changer(OLTC) with RTCC etc., with initial filling of oil as per IS 335-1993 complete and as per the following continuous rating. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|----------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands as category I. | | |
| | MAT-04037 | a | deleted | 1 No | |
| | MAT-04038 | b | deleted | 1 No | |
| | MAT-04039 | c | 1250 KVA | 1 No | 2587500 |
| | MAT-04040 | d | 1600 KVA | 1 No | 3208500 |
| | MAT-04041 | e | 2000 KVA | 1 No | 3967500 |
| | | f | 2500 KVA | 1 No | 4364000 |
| | | ELEC-6.3.4 A | Deleted | | |
| | MAT-08768 | ELEC-6.3.4 A a | Deleted | | 980000 |
| | MAT-08769 | ELEC-6.3.4 A b | 1000 KVA | | 1250000 |
| | MAT-08770 | ELEC-6.3.4 A c | 1250 KVA | | 1500000 |
| | MAT-08771 | ELEC-6.3.4 A d | 1600 KVA | | 1860000 |
| | MAT-08772 | ELEC-6.3.4 A e | 2000 KVA | | 2300000 |
| 387 | | ELEC-6.3.5 | Supply, Transportation, Installation, Testing and Commissioning of ----- KVA TRANSFORMER with all test reports. The Transformer shall be designed and manufactured as per Energy Efficiency Level - 2 at basic Insulation level conforming to ISS 2026 (Part- I to Part - II) with latest ammended,and as per IS 1180 Part-I : 2014 latest ammended, OCTC with initial filling of oil as per IS 335-1993. The basic details of the Transformer are as under. Makes : As per list of recommended brands as category I. | | |
| | | | 1. Quantity : 1 2. Rated KVA :KVA | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>3. Service & Location: Continuous Outdoor Distribution Transformer</p> <p>4. Mounting : Plinth.</p> <p>5. Wound : Copper Double wound</p> <p>6. Type : Core type oil immersed</p> <p>7. Cooling : ONAN</p> <p>8. Temp Rise : 40°C in oil, 45°C by resistance</p> <p>9. Vector Group: Dyn 11</p> <p>10. Primary Connection : Delta</p> <p>11. Nominal Voltage / Current : —</p> <p>12. Highest system Voltage: 12000V</p> <p>13. Primary Frequency :50 HZ +/- 3%</p> <p>14. Number of Phases : 3</p> <p>15. Primary wires: 3</p> <p>16. Secondary connection : Star</p> <p>17. Secondary Volts / Current : 433V</p> <p>18. Secondary phases : 3</p> <p>19. Secondary wires: 4</p> <p>20. Taps on primary winding for primary voltage variation : +5% to - 10% in steps of 2.5% of 7 position (6 Steps)</p> <p>21. Terminal arrangement.</p> <p>a.HV: HT terminal box as per the sitecondition.</p> <p>b. LV: Cable box suitable to receive ----- --Sq.mm XLPE cable</p> <p>22. LV:One separate terminal for earthing.</p> <p>23. Total Losses at 50% Loading [Watts] [Max] --- as per IS</p> <p>24. Total Losses at 100% Loading [Watts] [Max]--- as per IS</p> <p>25. Percentage Impedance at 75 deg. C at -----as per IS</p> <p>26. No Load current: Less than 2% of full load current.</p> <p>27. Standard Fittings & Accessories.</p> <p>a. Rating and terminal marking plate: One</p> <p>b. Lifting Lugs: Two</p> <p>c. Off-circuit tap switch :One</p> <p>d. Earthing Terminals :Two</p> <p>e. Radiators (Attachable):Adequate</p> <p>f. Explosion vent with Diaphragm :One</p> <p>g. Conservator with Drain plug: one</p> <p>h. Oil filling hole with cap :One</p> <p>i. Oil level indicator : One</p> <p>j. Dehydrating Silica gel Breather : One</p> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | k. Terminal Arrangement: HV With TerminalBox l. Terminal Arrangement : LV Cable Box m. Separate Neutral Bushing : One n. Drain cum filter valve with blanking plate: One o. Air release device : One p. Thermometer Pocket : One q. Four :Unidirectional flat rollers r. One :10Cm dial thermometer (Rigid stemtype) | | |
| | MAT-04042 | a | 100 KVA Copper Wound Transformer | 1 No | 414000 |
| | MAT-04043 | b | 160 KVA Copper Wound Transformer | 1 No | 683100 |
| | MAT-04044 | c | 250 KVA Copper Wound Transformer | 1 No | 819950 |
| | MAT-04045 | d | 315 KVA Copper Wound Transformer | 1 No | 1092500 |
| | MAT-04046 | e | 500 KVA Copper Wound Transformer | 1 No | 1434050 |
| | MAT-04047 | f | Deleted | 1 No | |
| | MAT-04048 | g | Deleted | 1 No | |
| 388 | | ELEC-6.3.5 A | Deleted | | |
| | MAT-08773 | a | Deleted | 1 No | |
| | MAT-08774 | b | Deleted | 1 No | |
| | MAT-08775 | c | Deleted | 1 No | |
| | MAT-08776 | d | Deleted | 1 No | |
| | MAT-08777 | e | Deleted | 1 No | |
| | MAT-08778 | f | Deleted | 1 No | |
| | MAT-08779 | g | deleted | 1 No | |
| 389 | | ELEC-6.3.5 B | Supply and Transportation of ISI marked copper wound Transformers | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|----------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 11/0.433 KV, Three Phase, 50 Hz, DYN 11, ONANtype , Standard accessories, winding temperature rise of 45°C/40°C first fill oil, having permissible total loss values not exceeding 7.5%of the maximum total loss values for 11 KV as per Energy Efficiency Level - 2 at basic Insulation level conforming to ISS 2026 (Part- I to Part - II), latest ammended and IS 1180 Part-I : 2014 described as above with Cable box on HV side and Bus duct on LV Side , ON load Tap changer(OLTC)+10% to -10%, with RTCC etc., with initial filling of oil as per IS 335-1993 complete and as per the following continuous rating. Makes : As per list of recommended brands as category I. | | |
| | MAT-08780 | a | 630 KVA | 1 No | 1991250 |
| | MAT-08781 | b | 1000 KVA | 1 No | 2510000 |
| | | ELEC-6.3.5 C | Deleted | | |
| | MAT-08782 | ELEC-6.3.5 C a | Deleted | 1 No | |
| | MAT-08783 | ELEC-6.3.5 C b | Deleted | 1 No | |
| | | | Dry Type transformers | | |
| 390 | | ELEC-6.3.6 | Supply ,Transportation of cast Resin (Dry Type) indoor type copper double wound 33KV/0.433 KV, Three Phase 50 HzTransformers desinged and manufactured as per IS 11171/IEC 60726 , ANSI and NEMA Standards with all standard fittings,connected Delta on Primary side and Star on Secondary side with additional neutral brought out on load side 33000/433V with HV off load tap changing +5% to -15% temperature rise by the resistance 90 degrees with terminal arrangement Cable box on HV side and Bus duct on LV Side with off circuit Tap links etc.,, complete Makes : As per list of recommended brands. | | |
| | MAT-04049 | a | 1000 KVA | 1 No | 4571250 |
| | MAT-04050 | b | 1250 KVA | 1 No | 5692500 |
| | MAT-04051 | c | 1600 KVA | 1 No | 6882750 |
| | MAT-04052 | d | 2000 KVA | 1 No | 8280000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04053 | e | 2500 KVA | 1 No | 9315000 |
| 391 | | ELEC-6.3.7 | Supply, Transportation, Installation, Testing and Commissioning 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, 11000V / (433V /415V) with HV off load tap changing + 5% to -5% in steps of 2.5%, temperature rise by the resistance 90°C complete with test reports with the following standard mountings. Makes : As per list of recommended brands. | | |
| | | | 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. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | a. HV: Cable end box b. LV : Cable end box | | |
| | | | 20. No load losses (Watts): As per IS specifications | | |
| | | | 21. Load losses (Watts): .....As per IS specifications | | |
| | | | 22. Impedance(Z%) :As per IS specifications | | |
| | | | 23. 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. | | |
| | MAT-04054 | a | 250 KVA Copper Wound Cast Resin Transformer | | 915400 |
| | MAT-04055 | b | 315 KVA Copper Wound Cast Resin Transformer | | 1052250 |
| | MAT-04056 | c | 500 KVA Copper Wound Cast Resin Transformer | | 1434050 |
| | MAT-04057 | d | 630 KVA Copper Wound Cast Resin Transformer | | 1570900 |
| | MAT-04058 | e | 750 KVA Copper Wound Cast Resin Transformer | | 1844600 |
| | MAT-04059 | f | 1000 KVA Copper Wound Cast Resin Transformer | | 2323000 |
| | | 6.4 | MAINTENANCE AND REPAIRS OF TRANSFORMERS | | |
| 392 | MAT-04060 | 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 | 5940 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 393 | MAT-04061 | 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 blower and servicing the contacts, tightening the connection of incoming and outgoing cables, and checking the operating machanism for smooth functioning of switches and putting them in smooth working condition. | 1 No | 3564 |
| 394 | MAT-04062 | ELEC-6.4.3 | Routine maintenance of transformer, including testing of 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 | 5346 |
| 395 | MAT-04063 | ELEC-6.4.4 | Testing of Transformer oil for dielectric breakdown strength. | 1 No | 713 |
| 396 | | ELEC-6.4.5 | Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete..... | | |
| | MAT-04064 | a | up to 315 KVA | 1 No | 4158 |
| | MAT-04065 | b | 500 / 1000 KVA | 1 No | 5346 |
| 397 | | ELEC-6.4.6 | Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -..... | | |
| | MAT-04066 | a | up to 315 KVA | 1 No | 891 |
| | MAT-04067 | b | 500 / 1000 KVA | 1 No | 1188 |
| 398 | | ELEC-6.4.7 | Replacing old and unserviceable gasket of bushing for the following Transformer capacity. -..... | | |
| | MAT-04068 | a | up to 315 KVA HT, | 1 No | 416 |
| | MAT-04069 | b | 500 / 1000 KVA HT, | 1 No | 891 |
| | MAT-04070 | c | up to 315 KVA LT, | 1 No | 1069 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04071 | d | 500 / 1000 KVA LT, | 1 No | 1782 |
| 399 | | ELEC-6.4.8 | 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- | | |
| | MAT-04072 | a | For copper coils | 1 Kg | 713 |
| | MAT-04073 | b | For aluminium coils | 1 Kg | 475 |
| 400 | MAT-04074 | ELEC-6.4.9 | Insulating HT / LT copper / aluminium coils for Transformers. | 1 Kg | 387 |
| 401 | | ELEC-6.4.10 | Painting to transformer with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. -..... | | |
| | MAT-04075 | a | Upto 500 KVA | 1 No | 4158 |
| | MAT-04076 | b | 630 / 1000 KVA | 1 No | 5346 |
| 402 | | ELEC-6.4.11 | Replacing for distribution Transformer by new one. | | |
| | MAT-04077 | a | H.T bushing | 1 No | 416 |
| | MAT-04078 | b | H.T bushing with metal parts | 1 No | 475 |
| | MAT-04079 | c | L.T bushing Upto 315 KVA | 1 No | 238 |
| | MAT-04080 | d | L.T bushing 500 / 1000 KVA | 1 No | 297 |
| | MAT-04081 | e | L.T bushing rod with metal parts up to 315 KVA | 1 No | 594 |
| | MAT-04082 | f | L.T bushing rod with metal parts 500/1000 KVA | 1 No | 2198 |
| 403 | | ELEC-6.4.12 | Drying the repaired transformer with appropriate heat / air of following capacity of transformers.- | | |
| | MAT-04083 | a | Upto 315 KVA | 1 No | 5227 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04084 | b | 500 / 1000KVA | 1 No | 6534 |
| 404 | | ELEC-6.4.13 | Loading, transportation and Unloading of transformer from site to Workshop or vice verse. | | |
| | MAT-04085 | a | Upto 500 KVA | 1 No | 5346 |
| | MAT-04086 | b | 630 / 1000 KVA | 1 No | 8316 |
| 405 | MAT-04087 | ELEC-6.4.14 | Supply of new and tested transformer oil as per IS-335 - 1972 (per Ltr) | 1 Ltr | 143 |
| 406 | | ELEC-6.4.15 | Filtration of transformer oil as per ISS specifications filters to dielectric strength above 40KV | | |
| | MAT-04088 | a | at site. (per Ltr) excluding transportation | 1 Ltr | 12 |
| | MAT-04089 | b | at workshop (per Ltr) | 1 Ltr | 9 |
| | | 6.5 | OVERHEAD LINES& LINE MATERIALS | | |
| 407 | | ELEC-6.5.1 | Supply and transportation of .....PSCC Poles | | |
| | MAT-04090 | a | 8.0 Mtr ,Working load-140 Kgs | 1No | 2415 |
| | MAT-04091 | b | 8.0 Mtr ,Working load-200 Kgs | 1No | 3450 |
| | MAT-04092 | c | 9.1 Mtr ,Working load-280 Kgs | 1No | 4910 |
| 408 | | ELEC-6.5.2 | Supply and transportation of 9 mtr length .....RS Joist Poles | | |
| | MAT-04093 | a | 150 x 75 mm(Wt of the pole-140 Kgs) | 1No | 10500 |
| | MAT-04094 | b | 175 x 85 mm(Wt of the pole-215Kgs) | 1No | 16125 |
| | MAT-04095 | c | 150 x 150 mm(Wt of the pole-333 Kgs) | 1No | 24975 |
| 409 | | ELEC-6.5.3 | Supply and erection of GI stay set of dia..... including stay clamps , turn buckle and GI stay wire tight end through strain insulator including excavation of pit and cc work etc.,complete | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04096 | a | 20mm,2.4 mtr long stay rod and anchor plate 380mmx380mmx6.4mm | 1 set | 2245 |
| | MAT-04097 | b | 16mm,1.8 mtr long stay rod and anchor plate 380mmx380mmx6.4mm | 1 set | 1699 |
| 410 | | ELEC-6.5.4 | Supply and fixing of 11KV -V- cross arms with .....duly welded with necessary clamping arrangements etc., complete | | |
| | MAT-04098 | a | 75x40 mm MS channel including 4 nos 50 x 50 x6 mm packing plates (9 Kgs) | 1 No | 1494 |
| | MAT-04099 | b | 65 x65 x6 MS angle (8.2 Kgs) | 1 No | 1058 |
| 411 | | ELEC-6.5.5 | Supply and fixing of LT 3 phase 4 wire cross arm of length 3' 8" with..... and necessary clamping arrangements ,cutting ,drilling and welding etc., complete | | |
| | MAT-04100 | a | 50 x 50 x6 mm MS angle (wt 5.75 Kgs) | 1 No | 517 |
| | MAT-04101 | b | 65 x65 x6 MS angle (wt 7 Kgs) | 1 No | 610 |
| 412 | | ELEC-6.5.6 | Supply and fixing of LT 3 phase 5 wire cross arm of length 4' 5" with..... and necessary clamping arrangements ,cutting ,drilling and welding etc., complete | | |
| | MAT-04102 | a | 50 x 50 x6 mm MS angle (wt 7.30Kgs) | 1 No | 667 |
| | MAT-04103 | b | 65 x65 x6 MS angle (wt 9.60 Kgs) | 1 No | 841 |
| 413 | MAT-04104 | ELEC-6.5.7 | Supply and fixing of LT single phase 3 wire cross arm with 50 x 50 x6 mm MS angle of 2' 5" (wt 4.20 Kgs) and necessary clamping arrangements ,cutting ,drilling and welding etc., complete | | 411 |
| 414 | MAT-04105 | ELEC-6.5.8 | Supply and fixing of 11 KV pin Insulator (IS 731/1971) with minimum creepage distance of 300 mm on existing cross arm including all accessories like Hot dip GI spindle and nuts etc., | 220 | 220 |
| 415 | | ELEC-6.5.9 | Supply and fixing of LT pcelain pininsulator as per IS 1447-1997 suitable for working voltage 1100 V including all accessories like Hot dip GI spindle and nuts etc., | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04106 | a | 100 x 65 mm | each | 97 |
| | MAT-04107 | b | 100 x 85 mm | each | 109 |
| 415 | | ELEC-6.5.10 | Supply and fixing of LT porcelain shackle insulator as per IS 1443-1979 suitable for working voltage 1100 V including all accessories like Hot dip GI spindle and nuts etc., | | |
| | MAT-04108 | a | 75 x 90 mm | each | 169 |
| | MAT-04109 | b | 100 x 110 mm | each | 206 |
| 416 | MAT-04110 | ELEC-6.5.11 | Supply and fixing of distribution type lightning arrester 11 KV 5 kA as per IS 3070 with mounting base on the existing DP structure | each | 3025 |
| 417 | MAT-04111 | ELEC-6.5.12 | Supply and fixing of 100 A 11 KV Horn Gap fuse set as per IS 9385 on existing DP structure with 6 nos 24 KV /22 KV post Insulators(IS 5350, Hot dipped Hard ware, fuse wire of required size etc., complete | each | 6655 |
| 418 | MAT-04112 | ELEC-6.5.13 | Supply and fixing of 11 KV danger plates on the existing poles | each | 121 |
| 419 | MAT-04113 | ELEC-6.5.14 | Supply and fixing of 11 KV ,400 A 3 phase central post rotating double break type AB switch(isolator) as per IS 9921) without earth blade,gang operated ,Horizontal type,operating mechanism with GI spring loaded reverse loop type fixed contact,solid HD electrolytic copper tubular moving contact with silver/Nicle plated at end points,9 Nos post insulators of 12 Kv(IS 2594 and IS 5350) ,Hot Dip galvenizing hardware,GI pipe,Nuts and bolts etc., complete., | each | 21780 |
| 420 | | ELEC-6.5.15 | Supply and Transportation of Over Head Conductor as per IS 398 (PART - II) : 1996 | | |
| | | a | 7/3.55 ACSR Rabbit (214 Kg/KM) | 1KM | |
| | | b | 7/2.59 ACSR weasel (128 Kg/KM) | 1KM | |
| | | c | 7/2.11 ACSR squirrel (85 Kg/KM) | 1KM | |
| | MAT-04114 | d | 100 sqmm AAA | 1KM | 102248 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04115 | e | 55 sqmm AAA | 1KM | 67000 |
| | MAT-04116 | f | 34 sqmm AAA | 1KM | 36000 |
| 421 | | ELEC-6.5.16 | Supply and erecting fencing section having size 2045 mt height from ground level and 1.2 mt width by using angle iron size 50 x50 x6 mm erected in cc foundation 15 x15x40 cm deep . The section of the frame shall be fitted with flat iron support of size 25 x 6 mm on top , bottom an dmid way and chain link jolley of 3.26 mm dia /10 SWG GI hard wire mesh of 50 x50 mm to the angle iron at every distance of 30 cm , by iron studs complete duly painted with one coat of red oxide and 2 coats of aluminium paint, | 1 No | As per DATA |
| 423 | | ELEC-6.5.17 | Supply and erecting double leaf hinged door each 150 cm in width and 180 cm in height using 40 mm dia B grade ISI mark GI pipe from all 4 sides with necessary bends and cross supports of angle iron 45 X45 X5 mm with the door leaf covered with chain links jolley 50 X 50 mm made from 3.26 mm dia/10 SWG Gi wire with necessary flat iron covering all round with necessary no of spikes of size 10 mm dia at top and bottom at 150 mm apart to match the height of fencing. The door shall have latches and side channel of 100 X50 X5 mm regidly welded for providing locking arrangement Godrej/Navtal make medium size lock with duplicate keys, fencing completely erected and painted with anti corrosive red oxide paint and 2 coats of prescribed enamel paint/silver paint. The Channel iron of size 150X75 mm by 2.5 mtr long shall be provided and erected at both sides of gate. | 1 No | As per DATA |
| 424 | | ELEC-6.5.18 | Supply and erecting 50 X50X6 mm angle iron corner support 0.5 mt way from the fence supports fixed at the middle fencing frame and other side in cc foundation 15 X15X 40 cm complete duly painted with 1 coat of red oxide and 2 coats of alluminum paint. | 1 No | As per DATA |
| 425 | | ELEC-6.5.19 | Providing and spreading HBG metal of size 40 mm size for 100 mm depth above the ground level. | | As per DATA |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 426 | MAT-05548 | ELEC-6.5.20 | Providing transformer plinth 1.2 x 1.2 x 1.5 mtr in size with necessary excavation in ground at the bottom with 150mm thick 1:2:4 cement concrete raft at the bottom and top and 225mm thick wall constructed in stone masonry and remaking hollow portion shall be filled with stone chips duly plastered 20mm thick outsides including watering etc., complete. | 1 No | 12100 |
| 427 | MAT-05549 | ELEC-6.5.21 | Providing CTPT plinth 600mm x 600mm x 2.1 mtr in size with necessary excavation in ground at the bottom with 150mm thick 1:2:4 cement concrete raft at the bottom and top duly plastered 20mm thick outsides including watering etc., complete. | 1 No | 7260 |
| | | 6.6 | LIGHTENING PROTECTIVE SYSTEM | | |
| | | | Advanced LPS | | |
| 428 | MAT-05550 | ELEC-6.6.1 a | Supply of ESE Air Terminal of external wide area of protection system based on proactive Early Steamer Emission (ESE) Technology manufactured in accordance with NFC 17-102:2011 , is made of high-quality, non corrosive and weather resistant XL-304 Stainless Steel Having triggering advance $\tau = 30\mu\text{s}$, Protection Radius ranging from 48 Meters in Level-I to 71 Meters in Level-IV when installed on a 5 Meters Mast. ESE terminal is capable to withstand Current Impulses of 40kA (5 Shots of 8/20 μs wave shape) and having capturing rod dia of 25mm. Makes : As per list of recommended brands. | 1 No | 114950 |
| 429 | MAT-05551 | ELEC-6.6.1 b | Supply of ESE Air Terminal of external wide area of protection system based on proactive Early Steamer Emission (ESE) Technology manufactured in accordance with NFC 17-102:2011 , is made of high-quality, non corrosive and weather resistant XL-304 Stainless Steel Having triggering advance $\tau = 50\mu\text{s}$, Protection Radius ranging from 68 Meters in Level-I to 95 Meters in Level-IV when installed on a 5 Meters Mast. ESE terminal is capable to withstand Current | 1 No | 121000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Impulses of 40kA (5 Shots of 8/20 μ s wave shape) and having capturing rod dia of 25mm. Makes : As per list of recommended brands. | | |
| 430 | MAT-04117 | ELEC-6.6.1 c | Supply of ESE Air Terminal of external wide area of protection system based on proactive Early Steamer Emission (ESE) Technology manufactured in accordance with NFC 17-102:2011 , is made of high-quality, non corrosive and weather resistant XL-304 Stainless Steel Having triggering advance $t = 60\mu$ s, Protection Radius ranging from 79 Meters in Level-I to 107 Meters in Level-IV when installed on a 5 Meters Mast. ESE terminal is capable to withstand Current Impulses of 40kA (5 Shots of 8/20 μ s wave shape) and having capturing rod dia of 25mm. Makes : As per list of recommended brands. | 1 No | 137940 |
| 431 | MAT-04118 | ELEC-6.6.2 | Installation and commissioning of advanced lighting protection systems which includes 1. Laying of CC Bed 2. Installation of Lighting Rod 3. Laying of Down conductor 4. Installation of Counter 5. Installation of GI Mast with stay wire. 6. Termination of down conductor to earth bus etc complete. | 1 No | 35090 |
| 432 | MAT-04119 | ELEC-6.6.3 | Supply of 6 Digit Electronic/Mechanical counter Makes : As per list of recommended brands. | 1 No | 18150 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 433 | MAT-04120 | ELEC-6.6.4 | Supply of G.I mast of 5 Meters length, 50 mm Dia, with FRP Collar (Insulating Bush) Base Plate & Complete Fitting Accessories with Supporting Guy Wire (Stay Wires) and all fitting accessories | 1 Set | 7260 |
| 434 | MAT-04122 | ELEC-6.6.5 | Supply and Installation of IEC 62561-7 compliant Eco-friendly, Maintenance free, anti-corrosive, lead-free, super conductive, mineral based high-grade earthing compound, To enhance soil conductivity. With resistance <0.12 ohms-meter, Sulphur Free, Should be tested as per IEC-62561-7 for resistance Toxic Elements, Leachable elements etc. 25 Kg Bag Makes : As per list of recommended brands. | 1 No | 2662 |
| 435 | MAT-04123 | ELEC-6.6.6 | Supply of Bentonite Moisture Retaining Powder 30 Kg Bag | 1 No | 206 |
| 436 | MAT-04124 | ELEC-6.6.7 | Supply of Concrete Earth Pit of Dimensions: Width: 320 mm, Length: 320 mm, Height: 192mm, Weight 30 Kgs, Load bearing Capacity: 5000 Kgs | 1 No | 1815 |
| | | | CONVENTIONAL LPS AS PER IS/IEC 62305 | | |
| | | | Air Terminal | | |
| 437 | MAT-04125 | ELEC-6.6.8 | Supply, installation, testing and commissioning of 8 mm Aluminum Round Conductor complete as per requirements of DIN EN 50164-2 (VDE 0185 part 202) & VDE 0185-305 (IS/IEC 62305) | 1 RM | 109 |
| 438 | MAT-04126 | ELEC-6.6.9 | Supply, installation, testing and commissioning of Roof conductor holder for parapet- Polyamide Conductor holder: With M8 female thread or diameter 7mm, M8 Screw to connect the conductor holder. Weather and temperature resistant from -35 to +90 degree Celsius tested. Conductor holder @ 1 meter distance | each | 61 |
| 439 | MAT-04127 | ELEC-6.6.10 | Supply, installation, testing and commissioning of Polyamide roof cable holder for flat roof: DIN 48829 Form B1. Closed form with bottom. Filling weight 1Kg (frost-resistant concrete). Sleeve from polyethylene, black @ 1 meter distance. | each | 157 |
| 440 | MAT-04128 | ELEC-6.6.11 | Supply, installation, testing and commissioning of Fang Fix Junior system - Inclusive of Al interception rod of 1Mtr length(10mm dia) , Quick mounting of the interception rod in the base using plug technology | each | 1997 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 441 | MAT-04129 | ELEC-6.6.12 | Supply, installation, testing and commissioning of cross universal connector: For T and cross connection, to route vertical down conductor /mesh formation made of hot dipped galvanised iron with necessary screws etc as required. Installed with 4 hexagonal bolts M8*25 with M8 hexagonal nuts | each | 160 |
| 442 | MAT-04130 | ELEC-6.6.13 | Supply, installation, testing and commissioning of expansion piece with connector: For equalising temperature related length changes. Necessary on conductors length over 20 meters. For round conductor Rd 8/ALU.Connector: For T cross and parallel connectors. Quick installation using hexagonal bolt M10X30 high-grade hot dip galvanised. Conforms to the requirements according to DIN VDE 0185-305 (IS-IEC 62305)(2nos/expansion piece). | each | 479 |
| | | | DOWN CONDUCTOR | | |
| 443 | MAT-04131 | ELEC-6.6.14 | Supply, installation, testing and commissioning of 8 mm Aluminum Round Conductor complete as specified in drawing & Meets the requirements of DIN EN 50164-2 (VDE 0185 part 202) & VDE 0185-305 (IS/IEC 62305) | 1 RM | 109 |
| 444 | MAT-04132 | ELEC-6.6.15 | Supply, installation, testing and commissioning of Roof conductor holder for parapet- Polyamide Conductor holder: With M8 female thread or diameter 7mm, M8 Screw to connect the conductor holder. Weather and temperature resistant from -35 to +90 degree Celsius tested. Conductor holder @ 1 meter distance | each | 61 |
| 445 | MAT-04133 | ELEC-6.6.16 | Supply, installation, testing and commissioning of Test Joint (Folding Clamp) suitable to connect 8mm round conductor and max by 30x3 mm GI strip as specified in drawing and directed by Engineer | each | 375 |
| 446 | MAT-04134 | ELEC-6.6.17 | Supply, installation, testing and commissioning of Lightning counter - To count no of lightning strike & it can record the date and time of the lightning incident also tested as per IEC 62561-6. | each | 19965 |
| | | 6.7 | EARTHING | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 447 | MAT-04135 | ELEC-6.7.1 | Providing earth electrode of low carbon steel rod, UL listed of 17.2 mm dia, 3 Mtr long, coated with copper of 254 microns thickness, CPRI tested for short time current withstand test of 25 kA, coating thickness, environmental test (Salt Mist Test), Bend test, Tensile strength, Yield / tensile ratio, Electrical Resistivity test, complete with clamps and 2 bags of (Earthplus ULTRA /TIRUMALA) high grade earthing compound IEC 62561-7 complaint Eco-friendly, Maintenance free, anti corrosive, lead-free, super conductive, mineral based high-grade earthing compound, to enhance soil conductivity. With resistance <0.20 ohms-meter, should be leach proof & sulphur free complete with earth inspection chamber of dimensions : Width : 320 mm x 320 mm, Height : 192 mm, Weight : 30 Kgs, Load bearing capacity : 5000 Kgs | 1 No | 11495 |
| 448 | MAT-04136 | ELEC-6.7.2 | Providing earthing as per IS 3043 with perforated 3 mtr long 40 mm dia B class GI pipe including all accessories like nuts bolts reducer,nipple, wire meshed funnel andCCfinished chamber covered with hinged type with CI cover ,CI frame of size 300 X 300 mm and embodying the pipe complete with alternate layers of salt and coke /charcoal/bentonite powder testing earth resistance as required etc., complete | 1 No | As per DATA |
| 449 | MAT-04137 | ELEC-6.7.3 | Providing earthing as per IS 3043 with GI earth plate of size 600 x600 x 6 mm by embodying 3 to 4 mtr below the ground level with 40 mm dia GI B class perforated pipe including all including all accessories like nuts bolts reducer,nipple, wire meshed funnel andCCfinished chamber covered with hinged type with CI cover ,CI frame of size 300 X 300 mm and embodying the pipe complete with alternate layers of salt and coke /charcoal/bentonite powder testing earth resistance as required etc., complete | 1 No | As per DATA |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 450 | MAT-04138 | ELEC-6.7.4 | Providing earthing as per IS 3043 with copper earth plate of size 600 x 600 x 3.15 mm by embodying 3 to 4 mtr below the ground level with 40mm dia 'B' Class G.I Pipe by excavating a pit to a depth of 3 to 4 Mtr in all soils for Sophisticated Electronic equipment as per National Electric Code and earth connection from electrode Copper strip of 25mm x 5mm x 200mm length to be bolted with nut bolts to G.I.pipe including 25mm x 3mm copper strip of 6Mtrs length connected from plate to Copper strip including filling with 20Kg Salt and 40Kg Charcoal or 40Kg bentonite powder including all accessories like nuts bolts reducer, nipple, wire meshed funnel and CC finished chamber covered with hinged type with CI cover, CI frame of size 300 X 300 mm, testing earth resistance as required etc., complete | 1 No | As per DATA |
| 451 | MAT-04139 | ELEC-6.7.5 | Providing independent earthing for Important equipment with 100mm dia Heavy gauge C.I (Cast iron) pipe with Flange 2.5m long enclosed in C.C/ brick massonry chamber of 450m x 450m x 400mm with R.C.C. Slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through G.I strip of 40 x 6mm x 200mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (Part II) | 1 No | 9075 |
| | | | EARTH CONDUCTORS | | |
| 452 | | ELEC-6.7.6 | Supply and laying of following sizes Earth wire/Strip in horizontal /Vertical run in Ground/surface/Recess including, revitting, soldering, saddles, making connection etc as required | | |
| | MAT-04140 | a | 6 SWG Copper wire(0.16 Kgs/1 Mtr) | 1 Mtr | 119 |
| | MAT-04141 | b | 8 SWG Copper wire(0.1155Kgs/1Mtr) | 1 Mtr | 86 |
| | MAT-04142 | c | 10 SWG Copper wire(0.075Kgs/1Mtr) | 1 Mtr | 56 |
| | MAT-04143 | d | 6 SWG GI wire(0.192 Kgs/Mtr) | 1 Mtr | 15 |
| | MAT-04144 | e | 8 SWG GI wire(0.104Kgs/1Mtr) | 1 Mtr | 9 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04145 | f | 10 SWG GI wire(0.067Kgs/1Mtr) | 1 Mtr | 4 |
| | MAT-04146 | g | 20mm x 3mm Copper Flat(0.529Kgs/1Mtr) | 1 Mtr | 395 |
| | MAT-04147 | h | 25mm x 3mm Copper Flat (0.663Kgs/1Mtr) | 1 Mtr | 494 |
| | MAT-04148 | i | 32 mm x 6mm Copper Flat(1.9 Kgs/Mtr) | 1 Mtr | 1417 |
| | MAT-04149 | j | 50 mm x 6mm Copper Flat (2.680Kgs/1Mtr) | 1 Mtr | 1999 |
| | MAT-04150 | k | 25mm x 3mm GI Flat(0.656 Kgs/Mtr) | 1 Mtr | 51 |
| | MAT-04151 | l | 25mm x 6mm GI Flat (1.18Kgs/1Mtr) | 1 Mtr | 91 |
| | MAT-04152 | m | 32 mm x 6mm GI Flat(1.6 kgs/Mtr) | 1 Mtr | 128 |
| | MAT-04153 | n | 50 mm x 6mm GI Flat(2.5 Kgs ?mtr) | 1 Mtr | 194 |
| | | | SECTION 7 | | |
| | | 7.0 | LOCAL AREA NETWORK | | |
| 453 | | ELEC-7.1.1 | Supply,laying ,testing and commisioning of 4-pair, Cat6 Solid (Third party ETL Intertek tested 600 MHZ above) to support 1Gbps with Cross (+) filler pair seperator & PVC sheath 23 AWG, STP/UTP Cable , Meets or exceeds ANSI/TIA-568-C.2 and UL Listed &RoHS Compliant in the existing raceways /pvc conduits including making connections to information outlets and patch panels with ferruling at both ends for identifiation with necessary tools for punching stripping crimping and testing required etc., complete. Makes : As per list of recommended brands. | | |
| | MAT-04154 | a | 6 UTP cable | RM | 39 |
| | MAT-05553 | b | 6 STP cable | RM | 53 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 454 | MAT-04155 | ELEC-7.1.2 | Supply installation testing and commissioning of 2nos of Cat6 Toolless builtin crimping mechanism Information Outlet with Dust Cover Exceed ANSI/TIA-568-C.2 and ISO/IEC 11801 standards with 2module face plate for Category 6 component performance & Compatible to T568A,T568B wiring pattern and UL-940V0 Rated Plastic &RoHS Compliant Makes : As per list of recommended brands. | each | 909 |
| 455 | MAT-04156 | ELEC-7.1.3 | Supply installation testing and commissioning of 1no of Cat6 Toolless builtin crimping mechanism Information Outlet with Dust Cover Exceed ANSI/TIA-568-C.2 and ISO/IEC 11801 standards with 1module face plate for Category 6 component performance & Compatible to T568A,T568B wiring pattern and UL-940V0 Rated Plastic &RoHS Compliant Makes : As per list of recommended brands. | each | 473 |
| 456 | | ELEC-7.1.4 | Supply installation testing and commissioning of 4 pair 23AWG Cat6 UTP ,flexible ,double ended patch cords along with 2 nos of RJ 45 connectors with strain relief boots Compatible to T568A,T568B specifications including making connections to information outlets Makes : As per list of recommended brands. | | |
| | MAT-04157 | a | 1mtr/3 ft | each | 225 |
| | MAT-04158 | b | 2mtr/7 ft | each | 267 |
| | MAT-04159 | c | 3 mtr/10 ft | each | 303 |
| 457 | MAT-04160 | ELEC-7.1.5 | Supply installation testing and commissioning of Single Mode LC Pigtails LSZH 1mtr for fibre core connectivity Makes : As per list of recommended brands. | each | 327 |
| 458 | MAT-04161 | ELEC-7.1.6 | Supply installation testing and commissioning of Single Mode SC Pigtails LSZH 1mtr for fibre core connectivity. Makes : As per list of recommended brands. | each | 449 |
| 459 | MAT-04162 | ELEC-7.1.7 | Supply installation testing and commissioning of Single Mode LC Pigtails LSZH 2mtr for fibre core connectivity. | each | 339 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| 460 | MAT-04163 | ELEC-7.1.8 | Supply installation testing and commissioning of Single Mode SC Pigtails LSZH 2mtr for fibre core connectivity. Makes : As per list of recommended brands. | each | 473 |
| 461 | | ELEC-7.1.9 | Supply installation testing and commissioning of Indoor multimode[62.5/125um] glass Fiber Optic Cable as per latest amendments of TIA /EIA 568B.3 , GR 409 CORE / UL listed NEC 770 Standards in existing Raceways/PVC Conduits/ slotted channels including making Terminations to active passive equipments with ferruling at both ends for identification with necessary tools for Terminations and testing required. Makes : As per list of recommended brands. | | |
| | MAT-04164 | a | 4 fiber | | 77 |
| | MAT-04165 | b | 6 fiber | | 84 |
| | MAT-04166 | c | 12 fiber | | 116 |
| 462 | | ELEC-7.1.10 | Supply installation testing and commissioning Outdoor , steel tape armoured multimode[62.5/125um] glass Fiber Optic Cable as per latest amendments of TIA /EIA 568B.3 , GR 20 CORE/ UEC 794-1/ EN 187000 Standards in existing MSPVC Conduits/ hume pipe including making terminations to active passive equipments with ferruling at both ends for identification with necessary tools for Terminations and testing required. Makes : As per list of recommended brands. | | |
| | MAT-04167 | a | 4 fiber | | 79 |
| | MAT-04168 | b | 6 fiber | | 87 |
| | MAT-04169 | c | 12 fiber | | 119 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 463 | MAT-04170 | ELEC-7.1.11 | Supply ,Installation and Testing and commissioning of indoor 1 pair multimode [62.5/125um] glass Fiber Optic Patch Cords of One mtr length as per latest ammendments of TIA /EIA 568B.3 and IEC 794 Standard Specifications including ST II / SC/FC/MT/PC connectors at both ends as per requirements. Makes : As per list of recommended brands. | mtr | 1114 |
| 464 | | ELEC-7.1.12 | Supply ,Installation Testing and commisioning of 19 " Rack mounted/surface mounted aluminium / CRS powder coated multimode glass Fiber Optic Cable Patch panel/ LIU(upgradable to intelligent panels with use of sensor strips) along with cable tray/ fiber management system , adapters for ST II/ SC/FC/MT/PC connections including making connections to active / passive equipments with ferruling at both ends for identification with necessary tools for Terminations and testing required. Makes : As per list of recommended brands. | | |
| | MAT-04171 | a | 8 Ports | 1 No | 6667 |
| | MAT-04172 | b | 12 Ports | 1 No | 8728 |
| | MAT-04173 | c | 24 Ports | 1 No | 16517 |
| | MAT-04174 | d | 36 Ports | 1 No | 18668 |
| 465 | | ELEC-7.1.13 | Supply , Installation, Testing and Comissioning of Rack mounted 19", Cat 6 UTP,1.5-1.6 MM CRS chasis , powder coated Modular Patch Panels (upgradable to intelligent panels with use of sensor strips) with collapsible shutters on jacks to support latest ammendments of TIA / EIA Cat 6 Specifications in Existing Communication Rack along with necessary connections of Cat 6 UTP Cables, With Rear Cable management trays and clamps. Makes : As per list of recommended brands. | | |
| | MAT-04175 | a | 6 Ports | 1 No | 3515 |
| | MAT-04176 | b | 12 Ports | 1 No | 4364 |
| | MAT-04177 | c | 18 Ports | 1 No | 5455 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04178 | d | 24 Ports | 1 No | 6667 |
| 466 | | ELEC-7.1.14 | Supply , Installation, Testing and Comissioning of Wall mounted Communication rack in two sections viz rear wall mount Section and hinged front section with glass doors, swing handles ,lock , Top and Bottom Cable entries,Supports for mounting rack on wall , Cable managers, Fan tray with 2 x 230 Volt fans, Equipment mounting hardware, wire managers , power supply box for supplying power to hubs, fans etc along with earth continuity kit, Mcb, indicator, moulded power supply cable, Blank panels , sliding shelves etc. Makes : As per list of recommended brands. | | |
| | MAT-04179 | a | 6 U(44 mm) wall mounted | 1 No | 5673 |
| | MAT-04180 | b | 9 U(44 mm) wall mounted | 1 No | 6667 |
| | MAT-04181 | c | 12 U(44 mm) wall mounted | 1 No | 7831 |
| | MAT-04182 | d | 15 U(44 mm) wall mounted | 1 No | 8873 |
| 467 | | ELEC-7.1.15 | Supply , Installation, Testing and Comissioning of Floor mounted Communication rack in two sections viz rear Steel Door and hinged front section with glass doors, swing handles ,lock on both doors, Top and Bottom Cable entries with gland plates ,Castor with brakes , 7 no Cable managers, 1 no Fan tray with 2 x 230 Volt fans, Equipment mounting hardware, wire managers , power supply box for supplying power to hubs, fans etc along with earth continuity kit, Mcb, indicator, moulded power supply cable, Blank panels of 1u / 2 u , sliding shelves .Frame of communication rack should be made of heavy grade Aluminum profile PS grey painted and panels should be made from CRCA steel 18 swg RS Beige painted . Makes : As per list of recommended brands. | | |
| | MAT-04183 | a | 22 U (44 mm) Floor Standing Rack | 1 No | 24850 |
| | MAT-04184 | b | 27 U (44 mm)Floor Standing Rack | 1 No | 27881 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04185 | c | 37 U (44 mm)Floor Standing Rack | 1 No | 38790 |
| | MAT-04186 | d | 42 U (44 mm)Floor Standing Rack 800WX1000D | 1 No | 50670 |
| | | | MANAGEBLE NET WORK SWITCHES | | |
| 468 | MAT-04187 | ELEC-7.1.16 | Supply ,Installation ,Testing and Commissioning of Small Business 24 port Gigabit Managed Switch. Makes : As per list of recommended brands. | 1 No | 48750 |
| 469 | MAT-04188 | ELEC-7.1.17 | Supply ,Installation ,Testing and Commissioning of Small Business 48 port Gigabit Managed Switch. Makes : As per list of recommended brands., | 1 No | 68200 |
| 470 | MAT-04189 | ELEC-7.1.18 | Supply & Fixing of Cisco small business 8 port Gigabit POE Managed Switch. Makes : As per list of recommended brands. | 1 No | 30600 |
| 471 | MAT-04190 | ELEC-7.1.19 | Supply & Fixing of Cisco small business 24 port Gigabit POE Managed Switch . Makes : As per list of recommended brands. | 1 No | 56100 |
| 472 | MAT-04191 | ELEC-7.1.20 | Supply ,Installation ,Testing and Commissioning of Small Business 24 port Gigabit Managed Switch Makes : As per list of recommended brands. | 1 No | deleted |
| 473 | MAT-04192 | ELEC-7.1.21 | Supply , Installation, Testing and Comissioning of Layer2 , Catalyst 2960 Plus 24 port , 10/100+2T/SFP LAN base Manageble Net work switch. Makes : As per list of recommended brands. | 1 No | 74360 |
| 474 | MAT-04193 | ELEC-7.1.22 | Supply , Installation, Testing and Comissioning of Layer2 , Catalyst 2960 Plus 48 port , 10/100+2T/SFP LAN base Manageble Net work switch. Makes : As per list of recommended brands. | 1 No | 145860 |
| 475 | MAT-04194 | ELEC-7.1.23 | Supply , Installation, Testing and Comissioning of Layer2 , Catalyst 2960 Plus 24 port, POE 10/100+2T/SFP LAN base Manageble Net work switch. Makes : As per list of recommended brands. | 1 No | 145860 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 476 | MAT-04195 | ELEC-7.1.24 | Supply , Installation, Testing and Comissioning of Layer2 , Catalyst 2960 Plus 48 port, POE 10/100+2T/SFP LAN base Manageble Net work switch. Makes : As per list of recommended brands. | 1 No | 257400 |
| 477 | MAT-04196 | ELEC-7.1.25 | Supply , Installation, Testing and Comissioning of Layer2 , Catalyst 2960 Plus 24 port, GigE LAN base Manageble Net work switch. Makes : As per list of recommended brands. | 1 No | 218075 |
| 478 | MAT-04197 | ELEC-7.1.26 | Supply , Installation, Testing and Comissioning of Layer2 , Catalyst 2960 Plus 48 port, GigE LAN base Manageble Net work switch. Makes : As per list of recommended brands. | 1 No | 380380 |
| 479 | MAT-04198 | ELEC-7.1.27 | Supply & Fixing of WiFiAccess point with mounting accessories etc.,complete . Makes : As per list of recommended brands. | 1 No | 32175 |
| 480 | | ELEC-7.1.28 | Supply ,Installation ,Testing and Commissioning of Small Business Gigabit Managed Switch. Makes : As per list of recommended brands. | | |
| | | | 8 port | 1 No | 9600 |
| | | | 24 port | 1 No | 26000 |
| 481 | | ELEC-7.1.29 | Supply & Fixing of Cisco small business Gigabit POE Managed Switch. Makes : As per list of recommended brands. | | |
| | | | 8 port | 1 No | 13000 |
| | | | 24 port | 1 No | 27000 |
| 482 | | ELEC-7.1.30 | Supply and fixing of 8 PoE 10/100/1000 ports + 4 Gigabit SFP ports Web Smart Switch. Makes : As per list of recommended brands. | 1 No | 22800 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 483 | | ELEC-7.1.31 | Supply and fixing of 24 PoE 10/100/1000 ports + 4 Gigabit SFP ports Web Smart Switch. Makes : As per list of recommended brands | 1 No | 34500 |
| 484 | | ELEC-7.1.32 | Supply , testing commissioning of fibre optic cable single mode with all required acceseries including all charges complete etc as directed by Engineer In Charge/ departmental authorities. Makes : As per list of recommended brands. | 1 RM | 70 |
| 484 | | ELEC-7.1.33 | Supply Installation Testing and commissioning of High Speed HDMI male to male cable of length. Makes : As per list of recommended brands | Each | 4500 |
| | | | 5 Mtr | Each | 3250 |
| | | | 10 Mtr | Each | 6500 |
| | | | 25 Mtr | Each | 16250 |
| 485 | | ELEC-7.1.34 | Supply, installation, testing and commissioning of Wi-fi router. Makes : As per list of recommended brands. | Nos | 4180 |
| 486 | | ELEC-7.1.35 | Supply and laying of 2 mtr. HDMI- HDMI Patch Cords. Makes : As per list of recommended brands. | Nos | 3800 |
| 487 | | ELEC-7.1.36 | Supply and laying of USB Cable Makes : As per list of recommended brands. | | |
| | | | 2 Mtr | Nos | 570 |
| | | | 10 Mtr | Nos | 1520 |
| 488 | | ELEC-7.1.37 | Supply and laying of 2 mtr. VGA-VGA Patch Cords. Makes : As per list of recommended brands. | Nos | 4180 |
| | | 7.2 | RACEWAYS AND JUNCTION BOXES | | |
| 489 | | ELEC-7.2.1 | Supply of .....G I Raceways of 2mm thick with top cover and required hard ware etc complete. | | |
| | MAT-04199 | a | 100mm x 38mm | 1 Mtr | 549 |
| | MAT-04200 | b | 150mm x 38mm | 1 Mtr | 722 |
| | MAT-04201 | c | 300mm x 38mm | 1 Mtr | 1225 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04202 | d | 100mm x 25mm | 1 Mtr | 510 |
| | MAT-04203 | e | 150mm x 25mm | 1 Mtr | 667 |
| | MAT-04204 | f | 300mm x 25mm | 1 Mtr | 1201 |
| 490 | | ELEC-7.2.2 | Supply of .....G.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways. | | |
| | MAT-04205 | a | 172mm x 52mm | 1 No | 407 |
| | MAT-04206 | b | 222mm x 52mm | 1 No | 516 |
| | MAT-04207 | c | 372mm x 52mm | 1 No | 959 |
| | | 7.3 | COMPUTERS,PRINTERS AND SCANNERS | | |
| 491 | MAT-04208 | ELEC-7.3.1 | <p>Supply, Transportation and installation of Desktop with fully loaded software as desired, with the following configuration.</p> <ol style="list-style-type: none"> 1. Processor: Intel® Core™ i7-10th Generation or Higher version Processor with Intel® HD Graphics 630 (2.9 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 12/16 MB cache, 8 cores) Intel Chipset 2. Memory: 8 GB DDR4-2400 SDRAM (1 x 8 GB) 3. Hard drive 1 TB 7200 rpm SATA 4. HP Monitor : 18.5"/19.5" with TCO 7.0 or its equivalent in HP/Dell/Lenova 5. DVD:RW 9.5MM Optical Disk Drive, 1 audio line in; 1 audio line out; 1 HDMI; 1 RJ-45; 1 VGA; 4 USB 3.0; 4 USB 2.0 6. Operating Systems: Preloaded Windows 10 professional 64 bit with product key License. 7. Preloaded with latest version of Antivirus Symantec/ McAfee / NOD32 / eTrust / Avast Internet Security / Kaspersky / Quickheal / eScan / Msecure with following features: Antivirus, Antispyware, Intrusion Prevention Browser protection with single management console with 3 year subscription with support updates and patches. 8. Accessories: With required connecting cables and | 1 No | 75884 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>driver media should be supplied.</p> <p>9. Warranty: 3 Year Standard On-Site Comprehensive Hardware Warranty (including O.S support, Spares- Parts/Service/Labour/On-site)</p> <p>Makes : As per list of recommended brands.</p> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 492 | MAT-04209 | ELEC-7.3.2 | <p>Supply, Transportation and installation of Desktop with fully loaded software as desired, with the following configuration.</p> <ol style="list-style-type: none"> 1. Processor: Intel® Core™ i5-10th Generation or Higher version processor with Intel® HD Graphics 630 (2.9 GHz base frequency with Intel® Turbo Boost Technology, 8/12 MB cache) Intel Chipset 2. Memory: 8 GB DDR4-2400 SDRAM (1 x 8 GB) 3. Hard drive 1 TB 7200 rpm SATA 4. HP Monitor : 18.5"/19.5" with TCO 7.0 or its equivalent in Dell/Lenova 5. DVD:RW 9.5MM Optical Disk Drive, 1 audio line in; 1 audio line out; 1 HDMI; 1 RJ-45; 1 VGA; 4 USB 3.0; 4 USB 2.0 6. Operating Systems: Preloaded Windows 10 professional 64 bit with product key License. However, the product key should be mentioned in the installation report at the time of installation. 7. Preloaded with latest version of Antivirus Symantec/ McAfee / NOD32 / eTrust / Avast Internet Security / Kaspersky / Quickheal / eScan / Msecure with following features: Antivirus, Antispyware, Intrusion Prevention Browser protection with single management console with 3 year subscription with support updates and patches. 8. Accessories: With required connecting cables and driver media should be supplied. 9. Warranty: 3 Year Standard On-Site Comprehensive Hardware Warranty (including O.S support, Spares- Parts/Service/Labour/On-site) Makes : As per list of recommended brands. | 1 No | 68549 |
| 493 | MAT-04210 | ELEC-7.3.3 | <p>Supply, Transportation and installation of Printer</p> <p>Features:</p> <p>Print technology Laser</p> <p>Duty cycle (monthly, letter) Up to 5000 pages</p> <p>Recommended monthly page volume 250 to 2000</p> <p>Duty cycle (monthly, A4) Up to 5000 pages print</p> <p>Print speed black (normal, letter) Up to 15 ppm</p> <p>Print speed black (normal, A4) Up to 14 ppm</p> <p>Duplex printing Manual (driver support provided)</p> <p>PROCESSOR Processor speed 234 MHz</p> <p>PAPER HANDLING Envelope feeder No</p> <p>Paper trays, maximum 1 (plus single-sheet priority input slot)</p> | 1 No | 13165 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| 494 | MAT-04211 | ELEC-7.3.4 | Supply, Transportation and installation of All-in-One (Print, Copy, Scan) with duplex, auto document feeder features: -Print Resolution 600 x 600dpi -Print Speed (A4) 27ppm -Auto Duplex Printing Standard -Available Paper Size for Auto Duplex Print A4, Letter, Legal (*1), Indian Legal, Fullscape -COPY Copy Speed (A4) 27ppm Maximum Number of Copies Up to 999 copies Scan Type Colour Contact Image Sensor Scan Resolution Optical Up to 600 x 600dpi Pull Scan Yes, USB and Network Makes : As per list of recommended brands. | 1 No | 24805 |
| 495 | MAT-04212 | ELEC-7.3.5 | Supply, Transportation and installation of Document Scanner Features: upto 30ppm/60ipm at 300dpi paper size A8 to A4/Legal 256MB memory upto 1200X1200 dpi resolution 50pages ADF input capacity upto 3000 pgs daily duty cycle USB 2.0 Host & Gigabit Lan Port Makes : As per list of recommended brands. | 1 No | 42338 |
| 496 | MAT-04213 | ELEC-7.3.6 | Supply of 5 Pair telephone copper wire. Makes : As per list of recommended brands. | 100 Mtrs | 3025 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 497 | MAT-04214 | ELEC-7.3.7 | Supply of 100 pair MDF loaded with 2/10 Modular. Makes : As per list of recommended brands. | 1 No | 4029 |
| 498 | MAT-04215 | ELEC-7.3.8 | Supply of 100 Pair raiser cable for telephone . Makes : As per list of recommended brands. | 1 Mtr | 424 |
| 499 | MAT-04216 | ELEC-7.3.9 | Supply of 10 Pair telephone Copper wire. Makes : As per list of recommended brands. | 1 Mtr | 43 |
| 500 | MAT-04217 | ELEC-7.3.10 | Supply of 20 Pair telephone Copper wire. Makes : As per list of recommended brands. | 1 Mtr | 85 |
| 501 | MAT-04218 | ELEC-7.3.11 | Supply of 50 Pair telephone Copper wire. Makes : As per list of recommended brands. | 1 Mtr | 212 |
| 502 | MAT-04219 | ELEC-7.3.12 | Supply of 10 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 714 |
| 503 | MAT-04220 | ELEC-7.3.13 | Supply of 20 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 1089 |
| 504 | MAT-04221 | ELEC-7.3.14 | Supply of 50 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 2269 |
| 505 | MAT-04222 | ELEC-7.3.15 | Supply of 200 pair Telephone distribution box with back mount frame, krone connector, powder coated metal body with lock and key arrangement. | 1 No | 8664 |
| 506 | | ELEC-7.3.16 | Supply, Installation, Testing and commissioning of Non caller ID push button Telephone instruments etc., complete with connectors. Makes : As per list of recommended brands | Each | 495 |
| | | | EPABX SYSTEM | | |
| | | 7.4 | SMALL SYSTEM | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 507 | MAT-05554 | ELEC-7.4.1 | Supply, Installation, testing and Commissioning of IP Based digital Telephone (EPABX) system ----- complied with following specifications: > IP @ Core, PCM/TDM, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and Ios) > Must support Voice Mail > Must support Card based GSM > Inbuilt 8 Channel Auto Attendant > Inbuilt Call Details Software with search engine software > 4 Analog Trunks > 6 Digital Extensions > 32 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 64 Analog Extensions or more / Makes : As per list of recommended brands. | 1 No | 104665 |
| 508 | MAT-05555 | ELEC-7.4.2 | Supply, Installation, testing and Commissioning of IP Based digital Telephone (EPABX) system ----- complied with following specifications: > IP @ Core, PCM/TDM, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and Ios) > Must support Voice Mail > Must support Card based GSM > Inbuilt 8 Channel Auto Attendant > Inbuilt Call Details Software with search engine software > 4 Analog Trunks > 6 Digital Extensions > 48 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 64 Analog Extensions or more Makes : As per list of recommended brands. | 1 No | 114950 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 509 | MAT-05556 | ELEC-7.4.3 | Supply, Installation, testing and Commissioning of IP Based digital Telephone (EPABX) system ----- complied with following specifications: > IP @ Core, PCM/TDM, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and Ios) > Must support Voice Mail > Must support Card based GSM > Inbuilt 8 Channel Auto Attendant > Inbuilt Call Details Software with search engine software > 4 Analog Trunks > 1 ISDN PRI Module > 6 Digital Extensions > 48 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 64 Analog Extensions or more Makes : As per list of recommended brands. | 1 No | 128018 |
| 510 | MAT-05557 | ELEC-7.4.4 | Supply, Installation, testing and Commissioning of IP Based digital Telephone (EPABX) system ----- complied with following specifications: > IP @ Core, PCM/TDM, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and Ios) > Must support Voice Mail > Must support Card based GSM > Inbuilt 8 Channel Auto Attendant > Inbuilt Call Details Software with search engine software > 4 Analog Trunks > 6 Digital Extensions > 64 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 64 Analog Extensions or more Makes : As per list of recommended brands. | 1 No | 131890 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 511 | MAT-05558 | ELEC-7.4.5 | Supply, Installation, testing and Commissioning of IP Based digital Telephone (EPABX) system ----- complied with following specifications: > IP @ Core, PCM/TDM, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and Ios) > Must support Voice Mail > Must support Card based GSM > Inbuilt 8 Channel Auto Attendant > Inbuilt Call Details Software with search engine software > 4 Analog Trunks > 1 ISDN PRI Module > 6 Digital Extensions > 64 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 64 Analog Extensions or more Makes : As per list of recommended brands. | 1 No | 143990 |
| 512 | MAT-05559 | ELEC-7.4.6 | Supply and installation of Analog Extension Card (with Caller ID) 8 extensions. | 1 No | 17545 |
| 513 | MAT-05560 | ELEC-7.4.7 | Supply and installation of Analog Extension Card (with Caller ID) 16 extensions. | 1 No | 22990 |
| 514 | MAT-05561 | ELEC-7.4.8 | Supply and installation of Analog Trunk Card (with Caller ID) 4 trunks. | 1 No | 19481 |
| 515 | MAT-05562 | ELEC-7.4.9 | Supply and installation of Analog Trunk Card (with Caller ID) 8 trunks. | 1 No | 24200 |
| 516 | MAT-05563 | ELEC-7.4.10 | Supply and installation of Digital Extension Card for 8 digital extensions: | 1 No | 22627 |
| 517 | MAT-05564 | ELEC-7.4.11 | Supply and installation of Digital Extension Card for 16 digital extensions: | 1 No | 38115 |
| 518 | MAT-05565 | ELEC-7.4.12 | Supply and installation of E1 Trunk Card or PRI Card 30 ISDN PRI or R2 trunk channels. | 1 No | 57173 |
| | | 7.5 | LARGE SYSTEM | 1 No | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 519 | MAT-05566 | ELEC-7.5.1 | Supply, Installation, Testing and Commissioning of IP Based digital Telephone (EPABX) system-- complied with following specifications: > IP @ Core, PCM/TDM switching, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and IOs) > Must support Voice Mail > Must support Card based GSM > Inbuilt Call Details Software with search engine software > 8 Analog Trunks > 8 Digital Extensions > 96 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 220 Ports wired or more at extra cost Makes : As per list of recommended brands. | 1 No | 288706 |
| 520 | MAT-05567 | ELEC-7.5.2 | Supply, Installation, Testing and Commissioning of IP Based digital Telephone (EPABX) system-- complied with following specifications: > IP @ Core, PCM/TDM switching, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and IOs) > Must support Voice Mail > Must support Card based GSM > Inbuilt Call Details Software with search engine software > 8 Analog Trunks > 1 PRI Trunk module > 8 Digital Extensions > 128 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Expandable to 220 Ports wired or more at extra cost Makes : As per list of recommended brands. | 1 No | 436810 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 521 | MAT-05568 | ELEC-7.5.3 | <p>Supply, Installation, Testing and Commissioning of IP Based digital Telephone (EPABX) system-- complied with following specifications:</p> <ul style="list-style-type: none"> > IP @ Core, PCM/TDM switching, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and IOs) > Must support Voice Mail > Must support Card based GSM > Inbuilt Call Details Software with search engine software > 8 Analog Trunks > 1 PRI Trunk module > 8 Digital Extensions > 160 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Inbuilt hotstandby for CPU and PSU. > Compatibility to run on DC -48v source. > Expandable to 220 Ports wired or more at extra cost <p>Makes : As per list of recommended brands.</p> | 1 No | 526350 |
| 522 | MAT-05569 | ELEC-7.5.4 | <p>Supply, Installation, Testing and Commissioning of IP Based digital Telephone (EPABX) system-- complied with following specifications:</p> <ul style="list-style-type: none"> > IP @ Core, PCM/TDM switching, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and IOs) > Must support Voice Mail > Must support Card based GSM > Inbuilt Call Details Software with search engine software > 8 Analog Trunks > 1 PRI Trunk module > 16 Digital Extensions > 224 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Inbuilt hotstandby for CPU and PSU. > Compatibility to run on DC -48v source. > Expandable to 400 Ports wired or more at extra cost | 1 No | 733260 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| 523 | MAT-05570 | ELEC-7.5.5 | Supply, Installation, Testing and Commissioning of IP Based digital Telephone (EPABX) system-- complied with following specifications: > IP @ Core, PCM/TDM switching, Non blocking, > Must Support PRI, E1, Analog Junctions > Must Support PC Console, > Must support Mobile SIP (Android and IOs) > Must support Voice Mail > Must support Card based GSM > Inbuilt Call Details Software with search engine software > 8 Analog Trunks > 1 PRI Trunk module > 16 Digital Extensions > 304 Analog Extensions > 1 Digital Key Phone with minimum 16 Keys (Must work only on 2 wires) > Inbuilt hotstandby for CPU and PSU. > Compatibility to run on DC -48v source. > Expandable to 400 Ports wired or more at extra cost Makes : As per list of recommended brands. | 1 No | 849420 |
| 524 | MAT-05571 | ELEC-7.5.6 | Supply and Installation of Analog Extension Card (with Caller ID) 16 extensions. | 1 No | 24079 |
| 525 | MAT-05572 | ELEC-7.5.7 | Supply and Installation of Analog Trunk Card (with Caller ID) 8 trunks. | 1 No | 24079 |
| 526 | MAT-05573 | ELEC-7.5.8 | Supply and Installation of Digital Extension Card for 8 digital extensions: | 1 No | 24079 |
| 527 | MAT-05574 | ELEC-7.5.9 | Supply and Installation of Digital Extension Card for 16 digital extensions: | 1 No | 39567 |
| 528 | MAT-05575 | ELEC-7.5.10 | Supply and Installation of E1 Trunk Card or PRI Card 30 ISDN PRI or R2 trunk channels. | 1 No | 59411 |
| 529 | MAT-05576 | ELEC-7.5.11 | Supply and Installation of IP CPU card for redundancy purpose | 1 No | 43318 |
| 530 | MAT-05577 | ELEC-7.5.12 | Supply and Installation of PSU card for redundancy purpose | 1 No | 26378 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 531 | MAT-05578 | ELEC-7.5.13 | Supply and Installation of Digital Key Telephone with 2 line display, 10 programmable keys, handsfree dialing. | 1 No | 10164 |
| 532 | MAT-05579 | ELEC-7.5.14 | Supply and Installation of Digital Key Telephone with 2 line display, 16 programmable keys, fully handsfree talk back. | 1 No | 17787 |
| 533 | MAT-05580 | ELEC-7.5.15 | Supply and Installation of IP Gateway card for 8 channels | 1 No | 50215 |
| 534 | MAT-05581 | ELEC-7.5.16 | Supply and Installation of IP Gateway card for 16 channels | 1 No | 72600 |
| 535 | MAT-05582 | ELEC-7.5.17 | Supply and Installation of SIP extensions licenses pack (5 SIP extensions) | 1 No | 5143 |
| 536 | MAT-05583 | ELEC-7.5.18 | Supply and Installation of SIP extensions licenses pack (10 SIP extensions) | 1 No | 9015 |
| 537 | MAT-05584 | ELEC-7.5.19 | Supply and Installation of IP phone with POE. | 1 No | 20328 |
| 538 | MAT-05585 | ELEC-7.5.20 | Supply and Installation of 4 port GSM card | 1 No | 52998 |
| 539 | MAT-05586 | ELEC-7.5.21 | Supply and Installation of Expansion cabinet for 220 more extensions | 1 No | 100430 |
| 540 | MAT-05587 | ELEC-7.5.22 | Supply and Installation of 100 Pair MDF along with IPM | 1 No | 16214 |
| | | | C.C.TV & SURVEILLANCE SYSTEM | | |
| 541 | | ELEC-7.6.1 | Supply, installation, Testing and Commissioning of 32 channel NVR (Network Video Recorder) Max. 12MP Camera supported, 256Mbps network camera recording, Support 4K video out on HDMI monitor, Support Dual monitor video out, Support H.265, H.264, MJPEG compression, Wise Stream support, Max. 8 internal HDDs (48TB), e-SATA / iSCSI storage support, Support RAID 5 Easy installation with front swap hard disks ARB & Failover (N+1) support, UL Certified NVR. Makes : As per list of recommended brands. | Each | 142500 |
| 542 | | ELEC-7.6.2 | Supply, installation, Testing and Commissioning of 16 channels NVR with 1080P recording resolution, adaptive recording, camera wise recording retention, CMC, Web client, mobile application (IOS & | Each | 23644 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Android), 2 SATA slot each 6TB, SMS & Email notification, ONVIF, HDMI, VGA, Output. Makes : As per list of recommended brands | | |
| 543 | | ELEC-7.6.3 | Supply, installation, Testing and Commissioning of 8 channels NVR with 1080P recording resolution, adaptive recording, camera wise recording retention, CMC, Web client, mobile application (IOS & Android), 1 SATA slot each 6TB, SMS & Email notification, ONVIF, HDMI, VGA, Output. Makes : As per list of recommended brands. | Each | 16500 |
| 544 | | ELEC-7.6.4 | Supply, Installation, Testing & Commissioning of IP IR Dome Camera (2 MP Series), 2MP Network IR Dome Camera Max. 2megapixel (1920 x 1080) resolution, 0.095Lux (Color), 0Lux (B/W, IR LED on), 3.2 ~ 10mm (3.1x) varifocal lens, Max. 30fps@2M all resolutions (H.265/H.264) H.265, H.264, MJPEG codec supported, Multiple streaming, Motion detection, Tampering, Defocus detection, Hallway view (90°/270°), LDC support, Micro SD/SDHC/SDXC memory slot (Max. 128GB), IR viewable length 20m, PoE/12VDC UL Certified Dome Camera. Makes : As per list of recommended brands. | Each | 17100 |
| 545 | | ELEC-7.6.5 | Supply, Installation, Testing & Commissioning of IP IR Bullet Camera (2 MP Series), 2MP Network IR Bullet Camera 2megapixel (1920 x 1080) resolution, 0.1Lux (Color), 0Lux (B/W, IR LED on), 2.8mm fixed lens Max. 30fps@2M all resolutions (H.265/H.264) H.265, H.264, MJPEG codec supported, Multiple streaming, Motion detection, Tampering, Defocus detection, Hallway view (90°/270°), LDC support Micro SD/SDHC/SDXC memory slot (Max. 128GB) IR viewable length 20m/25m/ 30m, IP66, IK10, PoE, 12VDC UL Listed Bullet Camera. Makes : As per list of recommended brands. | Each | 17100 |
| 546 | | ELEC-7.6.6 | Supply, Installation, Testing & Commissioning of IP IR PTZ Camera- 12M 32x Network PTZ Dome Camera Max. 2megapixel (1920 x 1080) resolution, 4.44 ~ 142.6mm (Optical 32x) lens, Max. IR viewable length : 200m (656ft), Day & Night (ICR), WDR (150dB), DIS (Built-in gyro sensor), 1/2.8" Progressive Scan CMOS, Intelligent Video / | Each | 98380 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Audio Analytics, Intrusion Detection and Motion Detection, Shock detection, Azimuth display (Cardinal & intermediate directions), Multiple streaming, WiseStream II support H.265, H.264, MJPEG codec support MicroSD / SDHC / SDXC memory 2 slots (Up to 512 GB) IP66, IK10 UL Certified PTZ Camera along with pole/wallmount L-bracket for Mounting, Power Adapter, IP66, TVS 4,000V Lightning Protection, Surge Protection and Voltage Transient Protection etc. as per detailed technical specifications and approved make including all charges complete etc as directed by Engineer Incharge/ departmental authorities. Make: Samsung Model: XNP6320H or its equivalent specification Makes : As per list of recommended brands. | | |
| 547 | | ELEC-7.6.7 | Supply and fixing of Surveillance HDD-4 TB. Makes : As per list of recommended brands. | Each | 17100 |
| 548 | | ELEC-7.6.8 | Supply and installation of 4K UHD , 55" LED Display complete with following Specifications : a) Diagonal Size 55" b) Type Edge LED BLU. c) Resolution 3840*2160 (4K UHD) d) Pixel Pitch(mm) 0.105 x 0.315. e) Active Display Area(mm) 1209.6(H) x 680.4(V) f) Brightness(Typ.) 350 nit. g) Contrast Ratio 4000:1. Makes : As per list of recommended brands | Each | 89000 |
| 549 | | ELEC-7.6.9 | Supply and installation of 24 inch (60.96cm) Full HD LED Monitor with Wall Mountable Stand, Height Adjustable, HDMI and VGA Ports with all Accessories Makes : As per list of recommended brands | Each | 16950 |
| 550 | | ELEC-7.6.10 | Installation, testing , Commissioning & Integration of CCTV system in Control room including mobile configuration and communication of entire system as per the directions of Engineer-in-Charge. | Each Job | 10000 |
| | | | Note: The above charges for Installation, testing , Commissioning & Integration of CCTV system in Control room may be given on job work basis for every 10 cameras or part there of depending upon | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | size of the building/premises. | | |
| | | | PUBLIC ADDRESS SYSTEMS | | |
| 551 | | ELEC-7.7.1 | Supply and Installation of 120Watt Booster Amplifier, The amplifier is protected against overload and shortcircuits. A temperature-controlled fan ensures highreliability at high output levels and low acoustic noiseat lower output levels. An overheat protection circuitswitches off the power stage and activates an LED onthe front panel, if the internal temperature reaches acritical limit due to poor ventilation or overload. Makes : As per list of recommended brands | Each | 19500 |
| 552 | | ELEC-7.7.2 | Supply and installation testing and commissioning of Table top mounted gooseneck type Conference Delegate unit Loudspeaker volume is set centrally at the Control Unit for all delegate units. To prevent acoustic feedback, the built-in loudspeaker is automatically muted when the microphone is on, the headphone volume level can be adjusted by means of a thumbwheel on the unit for maximum comfort, Nominal Acoustic Input 85dB SPL, Frequency Response 400Hz to 10kHz, Length of the microphone fromthe base of the stem 488mm. Makes : As per list of recommended brands. | Each | 14200 |
| 553 | | ELEC-7.7.3 | Supply, Fixing and Installation of Table top/Podium mounted gooseneck type Conference Chairman unit Loudspeaker volume is set centrally at the Control Unit for all delegate units. To prevent acoustic feedback, the built-in loudspeaker is automaticallymuted when the microphone is on, The headphone volume level can be adjusted by meansof a thumbwheel on the unit for maximum comfort. Makes : As per list of recommended brands. | Each | 16800 |
| 554 | | ELEC-7.7.4 | Supply, Fixing and Installation of Rack mounted Conference Control unit, having digital acoustic feedback suppression facility that automatically eliminates acoustic feedback, giving better speech intelligibility by allowing the speaker volume to be turned up as loud as required without any risk of feedback. Makes : As per list of recommended brands. | Each | 29050 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 555 | | ELEC-7.7.5 | Supply and Installation of Wall mounted 30W Cabinet Loud speaker, High-fidelity music and speech reproduction, Selectable 8 ohm, 70 V and 100 V inputs, Compact yet robust ABS enclosure, Supplied with adjustable mounting bracket, Complies with international installation and safety regulations. Makes : As per list of recommended brands. | Each | 5910 |
| 556 | | ELEC-7.7.6 | Supply, Fixing and Installation of 4 Channel Mixer, High-fidelity music and speech reproduction, selectable 8 ohm, 70 V and 100 V inputs, Compact yet robust ABS enclosure, Supplied with adjustable mounting bracket, Complies with international installation and safety regulations. Makes : As per list of recommended brands. | Each | 37200 |
| 557 | | ELEC-7.7.7 | Supply and Installation of Wireless Handheld microphone, With the touch of a single button, ClearScan™ scans through all 32 preset channels and selects the clearest channel, which ensures noise-free operation over the longest operating range. In the increasingly cluttered world of RF, ClearScan™ gives you confidence that you can easily find an open frequency. Makes : As per list of recommended brands. | Each | 29470 |
| 558 | | ELEC-7.7.8 | Supply and Fixing of wireless hand held microphone Having Frequency Response of 40Hz-13kHz etc., complete. Makes : As per list of recommended brands. | Each | 4650 |
| 559 | | ELEC-7.7.9 | Supply and Installation of Wireless Collar Microphone with Frequency Response of 40Hz-13kHz etc., complete. Makes : As per list of recommended brands. | Each | 4800 |
| 560 | | ELEC-7.7.10 | Supply and Fixing of High fidelity 2-Way wall mountable Speakers with 16W impedance with power taps of 4W/8W/16W etc., complete. Makes : As per list of recommended brands. | Each | 4635 |
| 561 | | ELEC-7.7.11 | Supply, Installation, Testing and Commissioning of speakers with following specifications:12W Wall mount box Speaker, rated power: 12W, Tapings 100 volt line : 12/6/9WTransformer Impedence, Ohms , 100V : 1.67k/3.33k/6.66k, Frequency Response : 55-15,000 HzSPL at 1kHz (1W/1M) : min 85dB, Color / | Each | 1740 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Finish : White RAL9016 / Black. Makes : As per list of recommended brands. | | |
| 562 | | ELEC-7.7.12 | Supplying, installing, testing and commissioning of 25 zone selector P.A. console and with CRCA sheet housing and control desk aslo included with rack arrangement as required. Console shall have all call / call back type complete with battery back up and it should also work on AC single phase power. (considered each floor one Zone). Makes : As per list of recommended brands. | Each | 27030 |
| 563 | | ELEC-7.7.13 | Supply and Fixing of High fidelity 2-Way wall mountables with 10W impedance with power taps of 1.5W/3W/6W etc., complete. Makes : As per list of recommended brands. | Each | 3980 |
| 564 | | ELEC-7.7.14 | Supply and Fixing of Ceiling mount Speakers with 6W impedance with power taps of 1.5W/3W/6W etc., complete. Makes : As per list of recommended brands. | Each | 3228 |
| 565 | | ELEC-7.7.15 | Supply and Laying of Microphone Cables and connectors etc., complete. Makes : As per list of recommended brands. | 1 RM | 48 |
| 566 | | ELEC-7.7.16 | Testing and commissioning of the above Public Address systems as required at site. | Each Job | 2000 |
| | | | Note: The above charges for Testing and commissioning of the above Public Address systems may be given on job work basis for each amplifier with mixer/each conference hall etc., depending upon size of the building/premises.. | | |
| | | | AUDIO-VIDEO SYSTEMS | | |
| 567 | | ELEC-7.8.1 | Supply and Fixing of Projector for front end Audience, As 4200lm, 5000:1contast ratio, 1080p@50/60Hz and HDMI & VGA interface etc. complete. Makes : As per list of recommended brands. | Each | 70060 |
| 568 | | ELEC-7.8.2 | Supply, installation, testing & comissioning of 3LCD / 1DLP laser projector with 4200 ANSI Lumens brightness, Ultra short throw (0.3 : 1) lens, Resolution: WXGA (1280 x 800), Colors: 16.7 million colors, Contrast Ratio: 500,000 : 1, Speaker Output: 16W, Input Ports: 1 x HDMI, 1 x MHL, 2 x VGA, 1 x | Each | 247000 |

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|---------|---------------------|------------|---|-----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | composite video, 1 x component video, 1 x 3.5 mm stereo mini jack, Output: 1 x 3.5 mm stereo mini jack, 1 x VGA, Wired and wireless network LAN, 1 x RS-232 control port. Makes : As per list of recommended brands. | | |
| 569 | | ELEC-7.8.3 | Supply, installation, testing & commissioning of 3LCD/1DLP laser projector with 3500 ANSI Lumens brightness, Resolution: WXGA (1280 x 800), Colors: 16.7 million colors, Contrast Ratio: 2,000,000 : 1, Life: 40,000 hours, Speaker Output: 16W, Input Ports: 2 x HDMI, 2 x VGA, 1 x composite video, 1 x component video, 1 x RCA jack, Output: 1 x 3.5 mm stereo mini jack, 1 x VGA, Wired and wireless network LAN, 1 x RS-232 control port. Makes : As per list of recommended brands. | Each | 129200 |
| 570 | | ELEC-7.8.4 | Supply and Fixing of Ceiling Mount Kits for Projector etc. complete. Makes : As per list of recommended brands. | Each | 10305 |
| 571 | | ELEC-7.8.5 | Supply and Fixing of 120" Motorized projection screen with remote control etc. complete. Makes : As per list of recommended brands. | Each | 20610 |
| 572 | | ELEC-7.8.6 | Supply and Fixing of 55" Full HD LED Large format Display (LFD) Commercial model for 24x7 operations, As 1920 x 1080 (16:9) resolution & 170°/160°(H/V) viewing angle, with HDMI & VGA Interface etc., complete. Makes : As per list of recommended brands. | Each | 80060 |
| 573 | | ELEC-7.8.7 | Supply and Fixing of Ceiling Mount Kits for front LED etc. complete. Makes : As per list of recommended brands. | Each | 11221 |
| 574 | | ELEC-7.8.8 | Supply and Fixing of 4-input and 8-output HDMI (High-Definition Multimedia Interface) Matrix Switcher Board with EDID Minder (Interface switching unit for LFD & Projectors to provide Audio and Video) etc. complete. Makes : As per list of recommended brands. | Each | 270300 |
| 575 | | ELEC-7.8.9 | Supply and Fixing of Long Distance HDMI (High-Definition Multimedia Interface) twisted Pair Transmitter/Receiver for LED cable for long distance which contains OFC and converting accessories etc. complete. | Each Pair | 49440 |

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|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| 576 | | ELEC-7.8.10 | Supply and Fixing of VGA to HDMI Convertor etc. complete. Makes : As per list of recommended brands. | Each | 16946 |
| 577 | | ELEC-7.8.11 | Supply and Laying of twisted pair type High-Definition Multimedia Interface cable for long distance which contains OFC and converting accessories for multiple connectivity like connectors for Tx & Rx etc. complete. Makes : As per list of recommended brands. | Each | 4809 |
| 578 | | ELEC-7.8.12 | Supply and Fixing of Wireless remote control Laser point Presenter and Slider etc. complete. Makes : As per list of recommended brands. | Each | 6320 |
| 579 | | ELEC-7.8.13 | Supply, installation, testing & commissioning of 2.4 GHz Digital Wireless Handheld Microphone with 256 bit AES Encryption, Frequency Response: 70 Hz–20 KHz, Dynamic Range: 116 dB @ 1 KHz, Signal-to-noise: >90 dBA, Latency<=2.9ms alongwith Up to 12 Hours battery life. Makes : As per list of recommended brands. | Each | 38000 |
| 580 | | ELEC-7.8.14 | Supply, installation, testing & commissioning of 2.4 GHz Digital Wireless Lapel Microphone with 256 bit AES Encryption, Frequency Response: 20 Hz–20 KHz, Dynamic Range: 116 dB @ 1 KHz, Signal-to-noise: >90 dBA, Latency<=2.9ms alongwith Up to 12 Hours battery life. Makes : As per list of recommended brands. | Each | 38000 |
| 581 | | ELEC-7.8.15 | Supply, installation, testing & commissioning of Gooseneck Microphone with on/off button with Polar pattern: Cardioid, Frequency range: 70 to 18,000 Hz , Max. SPL 125 dB, Equivalent noise level: <21 dB-A , Signal/noise ratio: >73 dB, Impedance: <=600 ohms, load impedance >=2,000 ohms, Connector 3-pin male XLR. Makes : As per list of recommended brands. | Each | 38000 |
| 582 | | ELEC-7.8.16 | Supply, installation, testing & commissioning of Modular Digital Signal Processor with AEC and current configuration of minimum 6mic/line inputs and 4 line outputs, 2 x 2 USB in/out for PC audio, Dante connectivity and Processor: 40-bit floating | Nos | 173793 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | point, Sampling rate: 48kHz, standard Dante digital audio networking. Makes : As per list of recommended brands. | | |
| 583 | | ELEC-7.8.17 | Supply, installation, testing & commissioning of Column Line array Speaker with 8 nos. vertically aligned array of full range speakers with Frequency Range: 80 Hz – 20 kHz, Sensitivity: 93 dB, Power Capacity: 100 Watt (400 W Peak), Nominal Impedance: 8 ohms, Max SPL: 121 dB, Transformer Tap: 60W, 30W @ 100V, Fiberglass reinforced ABS cabinet, painted aluminum grille along with Swivel (pan)/tilt wall bracket. Makes : As per list of recommended brands. | Nos | 44290 |
| 584 | | ELEC-7.8.18 | Supply, installation, testing & commissioning of Class D Dual channel Power Amplifier with Power output: 2 x 240 Watt @ 100v, Frequency response : 50Hz-22kHz, Total harmonic distortion (THD) : < 0.3%, Signal to noise ratio : > 100 dB, Crosstalk (@ 1 kHz) < 80 dB along with Dc short circuit, over heating, over load, signal limiting, temperature control fan protection. Makes : As per list of recommended brands. | Nos | 83030 |
| 585 | | ELEC-7.8.19 | Supply, installation, testing & commissioning of 250 Watt Mixing Amplifier with frequency response 50Hz to 15kHz +/-3 dB, THD <10%, Inputs: 6 x Mic, 2 x Aux, 1 x Line inputs, Outputs: 1 x Preamp out & 1 x Line out, Signal to Noise ratio:70db, with Bass and treble control. Makes : As per list of recommended brands. | Nos | 23750 |
| 586 | | ELEC-7.8.20 | Supply, Installation, Testing and Commissioning of Two way ceiling speaker 4" LF Driver, 0.75" Tweeter, Power Handling Capacity : 60 Watt continuous program power, Sensitivity (SPL 1W/1m) : 87 dB, Peak SPL: 108 dB, Frequency Range: 75 Hz – 20 kHz, Coverage : 120° Conical, impedance: 8 ohms, UL / EN certified, along with integrated steel backcan complete as required. Makes : As per list of recommended brands. | Nos | 9207 |
| 587 | | ELEC-7.8.21 | Supply and Fixing of 1600 W, 132 dB peak SPL utilizing high-sensitivity transducers 15" Two-Way Passive Loudspeaker etc. complete. | Each | 8879 |

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|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| 588 | | ELEC-7.8.22 | Supply and Fixing of 1000 W,126 dB 12" Two-Way Powered Loudspeaker etc. complete. Makes : As per list of recommended brands. | Each | 7948 |
| 589 | | ELEC-7.8.23 | Supply and Fixing of Ultra compact two-way with single 8-inch woofer etc. complete. Makes : As per list of recommended brands. | Each | 28033 |
| 590 | | ELEC-7.8.24 | Supply and Fixing of 650 W per channel Class-H power amplifier With 2x 450W @ 4 Ohms etc. complete. Makes : As per list of recommended brands. | Each | 4358 |
| 591 | | ELEC-7.8.25 | Supply and Fixing of Pop up box etc. complete. Makes : As per list of recommended brands. | Each | 3570 |
| 592 | | ELEC-7.8.26 | Supply and Fixing of XLR connector etc. complete. Makes : As per list of recommended brands. | Each | 675 |
| 593 | | ELEC-7.8.27 | Supply, Installation, Testing and Commissioning of Multiformat 3 x 1 automatic transmitter and receiver with scaler solution, Should support HDCP 2.2 and auto scaling at output , 4K30 Support for source devices and displays, Inputs (TX) – Transmitter includes 2x HDMI and 1x VGA inputs, Outputs(RX) – Receiver includes 1x HDMI input and scaled HDMI output , control port: RS-232, 2 x Relay and de-embedded audio out. Makes : As per list of recommended brands. | Nos | 64980 |
| 594 | | ELEC-7.8.28 | Supply, Installation, Testing and Commissioning of 4x1 4K60 Presentation Switcher with Inputs: 1 x VGA with audio, 3 x HDMI, Outputs: 1 x HDBT and 1 x HDMI output, 1 x de-embedded audio out along with control port: 1 x RS-232, 1 x IR, 1 x contact-in, 1 x tally out and ethernet port. Makes : As per list of recommended brands. | Nos | 77976 |
| 595 | | ELEC-7.8.29 | Supply, Installation, Testing and Commissioning of Multi-Format Wallplate Transmitters, Inputs: 1x HDMI, 1 xVGA, 1 x audio, Output: Hdbaset/Dxlink RJ-45, Resolution: 480p up to 1920x1200 @ 60 Hz , HDCP Compliant, 3D Support, Analog to Digital Conversion: 48 kHz Sample Rate, 24-bit. Makes : As per list of recommended brands. | Nos | 71535 |
| 596 | | ELEC- | Supply, Installation, Testing and Commissioning of | Nos | 81863 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 7.8.30 | Receiver compatible to the above transmitter, input: HdbaseT/Dxlink RJ-45, output: HDMI, Analog Stereo Output : 3.5mm Mini-Stereo Jack, HDCP Compliant, Control: Rs232, IR. Makes : As per list of recommended brands. | | |
| 597 | | ELEC-7.8.31 | Supply, installation, testing and commissioning of Wireless Presentation System with 4K resolution, enables iOS, Android, Chromebook, PC, and Mac device users to instantly connect to a main display without a dongle, 2.4GHz/5GHz Wi-Fi and MIMO antennas, Two participants can simultaneously present content on main display along with in-built processor of Intel, Main Memory: 4GB, Storage: 32 GB, Networking: 802.11 ac/b/g/n dual band Wireless LAN and Bluetooth 4.1, Operating System: Linux. Makes : As per list of recommended brands. | Nos | 66500 |
| 598 | | ELEC-7.8.32 | Supply, installation, testing and commissioning of 8 Button control Pad with 2 x RS-232, 2x IR/Serial, 2 x I/O channel, 1 x Relay, 1 x USB Mini-B, USB, with Flash: 4 GB, Memory Card: 4 GB SD, DDRAM: 256 MB along with Display Monitoring. Makes : As per list of recommended brands. | Nos | 55423 |
| 599 | | ELEC-7.8.33 | Supply, Installation, testing and commissioning of Mobile Signal Jammer for 8 Band with all standard accessories. Model:GST-JAMM-009HI (High Cooling Mechanism+ Industrial Model) <input type="checkbox"/> 08 Antennas <input type="checkbox"/> Power Supply Adopter Unit (Note: This Model will Jamm mobile Signal approximately 40- 50 meters Depending on the Input Signal Strength. Makes : As per list of recommended brands. | Each | 48000 |
| | | | SECTION 8 | | |
| | | 8.1 | MISCELLANEOUS ITEMS | | |
| 600 | MAT-04223 | ELEC-8.1.1 | TW Seperators / Gutties | 100 Nos | 218 |
| 601 | MAT-04224 | ELEC-8.1.2 | PVC Rawl Plugs | 100 Nos | 36 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|-------------------------------------|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 602 | MAT-04225 | ELEC-8.1.3 | PVC Grips | 100 Nos | 36 |
| 603 | MAT-04226 | ELEC-8.1.4 | U Nails | 100 Nos | 36 |
| 604 | MAT-04227 | ELEC-8.1.5 | Alluminium Link Clips | 100 Nos | 40 |
| 605 | MAT-04228 | ELEC-8.1.6 | 50 mm G.I.Nut and Bolts. | 1 Set | 19 |
| 606 | MAT-04229 | ELEC-8.1.7 | 63 to 100 mm G.I.Nut and Bolts. | 1 Set | 31 |
| 607 | MAT-04230 | ELEC-8.1.8 | 50 mm 0 Gauge Nails | 1 Doz | 55 |
| 608 | MAT-04231 | ELEC-8.1.9 | 63 to 100 mm 0 Gauge Nails | 1 Doz | 87 |
| 609 | MAT-04232 | ELEC-8.1.10 | Hard Coke | 1 Kg | 24 |
| 610 | MAT-04233 | ELEC-8.1.11 | Salt | 1 Kg | 19 |
| 611 | MAT-04234 | ELEC-8.1.12 | PVC Cleats 2 Way | 100 Nos | 394 |
| 612 | MAT-04235 | ELEC-8.1.13 | PVC Cleats 4 Way | 100 Nos | 520 |
| 613 | MAT-04236 | ELEC-8.1.14 | Binding Wire | 1 Kg | 73 |
| 614 | MAT-04237 | ELEC-8.1.15 | PVC /cotton tape Role (8 Mtrs) | 1 No | 22 |
| 615 | MAT-04238 | ELEC-8.1.16 | C.I.Knob | 1 No | 31 |
| 616 | MAT-04239 | ELEC-8.1.17 | Stay tight set (Jum bracket 300 mm) | 1 Pair | 368 |
| 617 | MAT-04240 | ELEC-8.1.18 | Stay clamp with bolts and Nuts) | 1 Set | 245 |
| 618 | MAT-04241 | ELEC-8.1.19 | L.T.Guy insulator | 1 No | 91 |
| 619 | MAT-04242 | ELEC-8.1.20 | 12 / 15 MS plain rod fan hook | 1 No | 39 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 620 | MAT-04243 | ELEC-8.1.21 | 19 / 20 mm Steel tube fan down rod | 1 Mtr | 111 |
| 621 | MAT-04244 | ELEC-8.1.22 | Consealed box PVC / MS with hook for fan | 1 No | 130 |
| 622 | MAT-04245 | ELEC-8.1.23 | Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement plastering. | 1 No | 104 |
| 623 | MAT-04246 | ELEC-8.1.24 | Coil Earthing | 1 No | 91 |
| 624 | MAT-04247 | ELEC-8.1.25 | Cable root Indicators of size 152mm round / 102mm x 102mm / 152mm x 152mm | 1 No | 103 |
| 625 | MAT-04248 | ELEC-8.1.26 | 40 mm x 40 mm x 6 mm angle iron with I bolt. | 1 Set | 306 |
| 626 | MAT-04249 | ELEC-8.1.27 | Mild Steel Items | 1 Kg | 78 |
| 627 | MAT-04250 | ELEC-8.1.28 | Acrylic Cover of size 4" x 7" for night lamps. | 1 No | 24 |
| 628 | MAT-04251 | ELEC-8.1.29 | TW / PVC Round Blocks | 1 No | 10 |
| 629 | MAT-04252 | ELEC-8.1.30 | G.I.Funnel with Mesh 1/2" x 4" | 1 No | 97 |
| 630 | MAT-04253 | ELEC-8.1.31 | Asbestos Sheet | 1 Sq Mt | 31 |
| 631 | MAT-04254 | ELEC-8.1.32 | First Aid box 18" x 12" x 8" | 1 No | 1301 |
| 632 | MAT-04255 | ELEC-8.1.33 | 11 KV/ 22 KV Hand gloves | 1 No | 242 |
| 633 | MAT-04256 | ELEC-8.1.34 | 100mm CI pipe | 1 mtr | As per civil SOR |
| | | 8.2 | LEGEND PLATES | | |
| 634 | | ELEC-8.2.1 | Danger Notice Plates of size -----, shall comply with IS:2551-1982 | | |
| | MAT- | a | 250x200mm, | 1 No | 273 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 04257 | | | | |
| | MAT-04258 | b | 200x150mm, | 1 No | 242 |
| | MAT-04259 | c | 150x100mm, | 1 No | 121 |
| 635 | MAT-04260 | ELEC-8.2.2 | Bus bar chamber 100mm x 40mm | 1 No | 65 |
| 636 | MAT-04261 | ELEC-8.2.3 | Cable Alley 100mm x 40mm | 1 No | 65 |
| 637 | MAT-04262 | ELEC-8.2.4 | Earth 40mm x 20mm | 1 No | 61 |
| 638 | MAT-04263 | ELEC-8.2.5 | Auto / Manual | 1 No | 61 |
| 639 | MAT-04264 | ELEC-8.2.6 | Semi oval type alluminium anodized legend plates ON / OFF / Forward / Reverse / Start / Stop / UP / DOWN / R Phase / Y Phase / B Phase / Trip / Open / Close / Left / Right / Motor on / Motor off / Accept / Retract / Reset / Emergency / Running / Pump off / Emergency Stop / Emergency on / Slow. | 1 No | 31 |
| 640 | MAT-04265 | ELEC-8.2.7 | Shock instruction chart in English / Hindi / Telugu duly framed with front glass | 1 No | 545 |
| | | 8.3 | COPPER / ALLUMINIUM / G.I. ITEMS (PER KG) | | |
| 641 | MAT-04266 | ELEC-8.3.1 | Copper Plate / Strip / SWG wire No.8 / 10 / 14 | 1 kg | 746 |
| 642 | MAT-04267 | ELEC-8.3.2 | Copper winding wire | 1 kg | 934 |
| 643 | MAT-04268 | ELEC-8.3.3 | Copper winding wire with PVC Insulated of fine quality | 1 kg | 961 |
| 644 | MAT-04269 | ELEC-8.3.4 | Alluminium Bus bars / Strips / Accessories | 1 kg | 307 |
| 645 | MAT-04270 | ELEC-8.3.5 | Alluminium winding wire | 1 kg | 401 |
| 646 | MAT-04271 | ELEC-8.3.6 | G.I. Strip / Plate / Wire | 1 kg | 79 |
| | | 8.4 | SMC TYPE SUPPORTS FOR THE BUSBARS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 647 | | ELEC-8.4.1 | Supply of type supports for the bus bars----- | | |
| | MAT-04272 | a | 50 x 70 x 14 mm | 1 No | 40 |
| | MAT-04273 | b | 60 x 70 x 14 mm | 1 No | 47 |
| | MAT-04274 | c | 70 x 70 x 14 mm | 1 No | 87 |
| | MAT-04275 | d | 300 x 50 x 10 mm | 1 No | 27 |
| | MAT-04276 | e | 350 x 52 x 10 mm | 1 No | 214 |
| | MAT-04277 | f | 420 x 60 x 12 mm | 1 No | 307 |
| 648 | MAT-04278 | ELEC-8.4.2 | DMC Earth Flat Supports 20 x3 mm / 20x 6mm / 25 x 6mm / 25 x 3mm / 32 x 3 mm / 32 x 6mm / 40 x 3 mm / 40 x 6mm | 1 No | 61 |
| 649 | MAT-04279 | ELEC-8.4.3 | Heat shrinkable sleeves for the Bus bars up to 70 Sqmm | 1 Mtr | 19 |
| 650 | MAT-04280 | ELEC-8.4.4 | Heat shrinkable sleeves for the Bus bars above 70 Sqmm | 1 Mtr | 31 |
| 651 | MAT-04281 | ELEC-8.4.5 | 8 mm LED series bulb (54 Nos.) | Set | 340 |
| 652 | MAT-04282 | ELEC-8.4.6 | 8 mm LED series bulb with Navar Patta (250/300 Nos.) with necessary control gear | Set | 2833 |
| 653 | MAT-05588 | ELEC-8.4.7 | LED RGB pixel series bulbs(50 Nos) | Set | 623 |
| 654 | MAT-05589 | ELEC-8.4.8 | LED RGB pixel series bulbs with Navvar Patta(150 Nos) with necessary control gear | Set | 5099 |
| 655 | MAT-05590 | ELEC-8.4.9 | Supply of 3W X54 LED RGB PAR cans with IP 67 protection | 1 No | 10764 |
| 656 | MAT-04284 | ELEC-8.4.10 | Supply and fixing of 6mm thick MS Chekered plate. | 1 Kg | 91 |
| 657 | MAT-04285 | ELEC-8.4.11 | Supply and fixing of 6mm thick Alluminium Chekered plate | 1 Kg | 334 |
| 658 | MAT- | ELEC- | Copper old winding Wire scrap for 1 Kg | 1 Kg | 197 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 04286 | 8.4.12 | | | |
| 659 | MAT-04287 | ELEC-8.4.13 | Cement | 1 Kg | 10 |
| 660 | | ELEC-8.4.14 | Cost of Sand | 1 Cum | 726 |
| 661 | | ELEC-8.4.15 | Cost of Bricks | 1000 Nos | 4840 |
| 662 | MAT-04288 | ELEC-8.4.16 | Hylam Sheet | 1 Sq inch | 1 |
| 663 | | ELEC-8.4.17 | Supply of Nominal-Bore ----- G.I.Pipe | | |
| | MAT-04289 | a | 25mm Heavy grade | 1 mtr | 340 |
| | MAT-04290 | b | 25mm Medium grade | 1 mtr | 298 |
| | MAT-04291 | c | 40mm Heavy grade | 1 mtr | 510 |
| | MAT-04292 | d | 40mm Medium grade | 1 mtr | 425 |
| 664 | MAT-04293 | ELEC-8.4.18 | 80mm Nominal Bore C.I.Earth Pipe of 3 Mtrs Length | 1 no | 4234 |
| 665 | MAT-04294 | ELEC-8.4.19 | Earth work excacvation including all soils for trench, Pole Pit and Earth Pit | 1 cum | 303 |
| 666 | MAT-04295 | ELEC-8.4.20 | Drilling of 16 Nos through holes of 12mm dia to G.I pipe | 1 No | 8 |
| 667 | MAT-04296 | ELEC-8.4.21 | G.I Nuts, Bolts and Washers each set | 1 set | 14 |
| 668 | MAT-04297 | ELEC-8.4.22 | 18" dia 2" thick hume pipe ring | 1 No | 303 |
| 669 | MAT-04298 | ELEC-8.4.23 | 18" dia 3" hume pipe ring | 1 No | 363 |
| 670 | MAT-04299 | ELEC-8.4.24 | 2" thick CC cover for hume pipe ring with handle. | 1 No | 157 |
| 671 | | ELEC-8.4.25 | Supply of Saddle / Clamps suitable for fixing ----- | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|---------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04300 | a | 4 to 10 Sqmm 2 Core Cable | 100 Nos | 278 |
| | MAT-04301 | b | 4 & 6 Sqmm 4 Core Cable | 100 Nos | 278 |
| | MAT-04302 | c | 10 & 16 Sqmm 4 Core Cable | 100 Nos | 363 |
| | MAT-04303 | d | 25 & 35 Sqmm 3.5 Core Cable. | 100 Nos | 424 |
| | MAT-04304 | e | 50 Sqmm 3.5 Core Cable. | 100 Nos | 605 |
| | MAT-04305 | f | 70 & 95 Sqmm 3.5 Core Cable | 100 Nos | 666 |
| | MAT-04306 | g | 120 to 185 Sqmm 3.5 Core Cable | 100 Nos | 847 |
| | MAT-04307 | h | 240 & 300 Sqmm 3.5 Core Cable | 100 Nos | 1029 |
| | MAT-04308 | i | 400 Sqmm 3.5 Core Cable | 100 Nos | 1331 |
| 672 | | ELEC-8.4.26 | Supply and fixing of PVC synthetic elastomer electrically insulated at conforming to IS: 15652-2006 with----- | | |
| | MAT-04309 | a | Class A insulation having 2mm thickness upto 3.3KV | 1 sqmt | 4598 |
| | MAT-04310 | b | Class B insulation having 2.5mm thickness upto 11KV | 1 sqmt | 4719 |
| | MAT-04311 | c | Class C insulation having 3mm thickness upto 33KV | 1 sqmt | 4840 |
| 673 | MAT-04312 | ELEC-8.4.27 | Supply of round bottom G.I sheet bucket of 9 Ltrs. Capacity as per IS:2546 made out of 24 gauge GI sheet with extra handle at bottom duly painted inside and red out side with printed with FIRE Mark for stand and hook and filled with sand and arranged to existing stand or hook. (MR) | 1 no | 327 |
| 674 | MAT-04313 | ELEC-8.4.28 | Providing floor mounting stand for keeping 4No of fire bucket 1500mm length, 900mm height made out of 40x40x6mm angle iron welded with 4 hooks and duly painted with one coat of red lead and two coats | 1 no | 1331 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | of enamel paint. | | |
| 675 | | ELEC-8.4.29 | Supply of GI Louver shutter for exhaust fan | | |
| | MAT-04314 | a | 9 to 12" | 1 no | 182 |
| | MAT-04315 | b | 15 to 18" | 1 no | 218 |
| 676 | MAT-04316 | ELEC-8.4.30 | 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 | 750200 |
| | | | LABOUR RATES | | |
| | | ELEC-8.5.1 | Skilled Electrician | 1 No | |
| | | ELEC-8.5.2 | Semi Skilled Electrician / Lineman | 1 No | |
| | | ELEC-8.5.3 | Helper (Electrical) | 1 No | |
| | | ELEC-8.5.4 | Skilled Mason | 1 No | |
| | | ELEC-8.5.5 | Semi Skilled Mason | 1 No | |
| | | ELEC-8.5.6 | Skilled Welder | 1 No | |
| | | ELEC-8.5.7 | Skilled Fitter | 1 No | |
| | | ELEC-8.5.8 | Semi Skilled Fitter / Welder | 1 No | |
| | | ELEC-8.5.9 | Skilled Carpenter | 1 No | |
| | | ELEC-8.5.10 | Semi Skilled Carpenter | 1 No | |
| | | ELEC-8.5.11 | Man Mazdoor | 1 No | |
| | | ELEC-8.5.12 | DG Set operator/Air Compressor Operator | 1 No | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SoR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | ELEC-8.5.13 | 2nd Class DG Set operator/Air Compressor Operator | 1 No | |
| | | ELEC-8.5.14 | Plumber (Licensed)/Pipe Fitter | 1 No | |
| | | ELEC-8.5.15 | Painter Class -2 | 1 No | |
| | | ELEC-8.5.16 | Diploma Engineer / Surveyor | 1 No | |
| | | ELEC-8.5.17 | Graduate Engineer | 1 No | |
| | | ELEC-8.5.18 | ITI Certificate holder | 1 No | |
| | | ELEC-8.5.19 | Stenographer / Computer Operator | 1 No | |
| | | | NB : The labour rates may be adopted based on the common Civil SoR for the year 2022-23 | | |
| | | 9.1 | WIRELESS FIRE ALARAM SYSTEM | | |
| 677 | MAT-04336 | 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 : As per list of recommended brands. | 1 No | 48300 |
| 678 | MAT-04337 | 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 : As per list of recommended brands. | 1 No | 9775 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 679 | MAT-04338 | 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 : As per list of recommended brands. | 1 No | 13225 |
| 680 | MAT-04339 | 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 : As per list of recommended brands. | 1 No | 7936 |
| | | 9.2 | ADDRESSABLE - FIRE ALARM SYSTEM | | |
| 681 | | ELEC-9.2.1 | Supply, install, test and commissioning of addressable peer to peer Networkable analogue addressable type fire alarm control panel with minimum 1500 Character / 240X64 Pixel / 7inch Touchscreen graphic LCD display. The panel should be equipped with sufficient numbers of loop with 20% spare capacity, with each networkable intelligent fire alarm Control Panel having SLC with capacity of min 250 detectors/ devices in any combination (Min 120 Detector) with key pad, dual flash-based microprocessor technology, inbuilt USB Port for upload and down load the configuration tools, RS232 serial port for direct PC or modem connection, inbuilt NAC's, min 20 programmable Zonal LEDs and operates on 240V AC + 10% with 50 Hz with built in charger. The panel shall have fire, fault relays, option of BMS integration MODBUS/ BACKNET, graphical software for provision of TCP/ IP modules, Remote Access, Class 'X' wiring with provision of both class 'A' and class 'B' wiring in the SLC circuit, user friendly with communication facility to monitor & control the FACPs from a single window. The panel shall be suitable for minimum of 5000 event | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | record facility, event fetch from FACP facility and the single panel shall be suitable for min 2000 fire zones and 200 Panels/ Nodes in one network with all other accessories required to successfully run the system. The panel shall be completed as per UL and FM/EN54 & VDS standards (The System cost shall be included of all necessary cards, modules, Panel enclosure, CPU and associated accessories to complete the system design) Makes : As per list of recommended brands as category I. | | |
| | MAT-04340 | a | 1 loop | 1 No | 221375 |
| | MAT-04341 | b | 2 loop | 1 No | 253000 |
| | MAT-04342 | c | 4 loop | 1 No | 309925 |
| | MAT-04343 | d | 6 loop | 1 No | 461725 |
| | MAT-04344 | e | 8 loop | 1 No | 506000 |
| | MAT-04345 | f | 10 loop | 1 No | 695750 |
| 682 | | ELEC-9.2.2 | Supply, install, test and commissioning of addressable peer to peer Networkable analogue addressable type fire alarm control panel with minimum 1500 Character / 240X64 Pixel / 7inch Touchscreen graphic LCD display. The panel should be equipped with sufficient numbers of loop with 20% spare capacity, with each networkable intelligent fire alarm Control Panel having SLC with capacity of min 250 detectors/ devices in any combination (Min 120 Detector) with key pad, dual flash-based microprocessor technology, inbuilt USB Port for upload and down load the configuration tools, RS232 serial port for direct PC or modem connection, inbuilt NAC's, min 20 programmable Zonal LEDs and operates on 240V AC + 10% with 50 Hz with built in charger. The panel shall have fire, fault relays, option of BMS integration MODBUS/ BACKNET, graphical software for provision of TCP/ IP modules, Remote Access, Class 'X' wiring with provision of both class 'A' and class 'B' wiring in the SLC circuit, user friendly with communication facility to monitor & control the FACP's from a single window. The panel shall be suitable for minimum of 5000 event record facility, event fetch from FACP facility and the single panel shall be suitable for min 2000 fire zones and 200 Panels/ Nodes in one network with all other accessories required to successfully run the system. (The System cost shall be included of all necessary cards, modules, Panel enclosure, CPU and associated accessories to complete the system | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | design). Makes : As per list of recommended brands as category II. | | |
| | MAT-04346 | a | 1 loop | 1 No | 198605 |
| | MAT-04347 | b | 2 loop | 1 No | 222640 |
| | MAT-04348 | c | 4 loop | 1 No | 258060 |
| | MAT-04349 | d | 6 loop | 1 No | 373175 |
| | MAT-04350 | e | 8 loop | 1 No | 432630 |
| | MAT-04351 | f | 10 loop | 1 No | 619850 |
| 683 | MAT-04352 | ELEC-9.2.3 | Supply, Installation , Testing & Commissioning of Network Active Repeater Panel with 1500 Character / 240X64 Pixel / 7inch Touchscreen. The LCD shall Display all events / detectors, devices status of complete systems in the networked. Makes : As per list of recommended brands as category I. | 1 No | 132825 |
| 684 | MAT-04353 | ELEC-9.2.4 | Supply, Installation , Testing & Commissioning of Network Active Repeater Panel with 1500 Character / 240X64 Pixel / 7inch Touchscreen. The LCD shall Display all events / detectors, devices status of complete systems in the networked. Makes : As per list of recommended brands as category II. | 1 No | 108158 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 685 | MAT-04354 | ELEC-9.2.5 | Supply, Installation, Testing & Commissioning of Analogue Addressable loop powered Sounder & Beacon with inbuilt isolator and having Min 15 distinct sound patterns/ multitone to indicate Exit doors and direct occupants for safe and fast evacuation and 100dB output with minimum 1Hz Frequency flash rate designed for IP65 requirements and approved to operate in -10°C to +55°C temperature, complies with the essential requirement of the EMC Directive to be supplied with Junction Box, Glands and other mounting accessories for proper installation. Makes : As per list of recommended brands as category I. | 1 No | 5819 |
| 686 | MAT-04355 | ELEC-9.2.6 | Supply, Installation, Testing & Commissioning of Analogue Addressable loop powered Sounder & Beacon with inbuilt isolator and having Min 15 distinct sound patterns/ multitone to indicate Exit doors and direct occupants for safe and fast evacuation and 100dB output with minimum 1Hz Frequency flash rate designed for IP65 requirements and approved to operate in -10°C to +55°C temperature, complies with the essential requirement of the EMC Directive to be supplied with Junction Box, Glands and other mounting accessories for proper installation Makes : As per list of recommended brands as category II. | 1 No | 4681 |
| 687 | MAT-04356 | ELEC-9.2.7 | Supply, Installation, Testing & Commissioning of Dust and Vermin proof (Resettable) addressable analogue Manual call boxes along with Isolators inbuilt having front reset mechanism with 170° viewable LED and can be viewed from the distance of 7 M. also have inbuilt isolator having operating temperature from -40°C-70°C to initiate audio visual alarm in case of Human detection of fire. The manual call point must be indoor type with IP 44 rating.The call point must be ressetable type without breakglass. Makes : As per list of recommended brands as category I. | 1 No | 5693 |
| 688 | MAT-04357 | ELEC-9.2.8 | Supply, Installation, Testing & Commissioning of Dust and Vermin proof (Resettable) addressable analogue Manual call boxes along with Isolators inbuilt having | 1 No | 5060 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | front reset mechanism with 170° viewable LED and can be viewed from the distance of 7 M. also have inbuilt isolator having operating temperature from -40°C-70°C to initiate audio visual alarm in case of Human detection of fire. The manual call point must be indoor type with IP 44 rating.The call point must be ressetable type without breakglass. Makes : As per list of recommended brands as category II. | | |
| 689 | MAT-04358 | ELEC-9.2.9 | Optical smoke detector with LED with standard base having capacity of min 126 address combination. Operating temperature -40°C to 70°C & Humidity 0-95%. The detector should have polling 360 degree viewable LED with 5 class approved response modes all approved with the relevant standards , drift compensation and transient rejection.The detector shall have facility to mount in different comprehensive environment like Hostile environment, Precious storage, Ware house and normal working environments. The detector should have self locking mechanism and requires special tool to remove this detectors. The detector should have hard address inside the base. The detector must have non volatile memory to write the installation date & site codes.The detector should be mad up of fire retardant material & should be melt above 100 degree C.The detectors must be openable for the cleaning of dust whenever required. All the other specs should be as per the specification attached. Makes : As per list of recommended brands as category I. | 1 No | 4807 |
| 690 | MAT-04359 | ELEC-9.2.10 | Optical smoke detector with LED with standard base having capacity of min 126 address combination. Operating temperature -40°C to 70°C & Humidity 0-95%. The detector should have polling 360 degree viewable LED with 5 class approved response modes all approved with the relevant standards , drift compensation and transient rejection.The detector shall have facility to mount in different comprehensive environment like Hostile environment, Precious storage, Ware house and normal working environments. The detector should have self locking mechanism and requires special tool to remove this detectors. The detector should have hard address | 1 No | 4238 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | inside the base. The detector must have non volatile memory to write the installation date & site codes. The detector should be mad up of fire retardant material & should be melt above 100 degree C. The detectors must be openable for the cleaning of dust whenever required. All the other specs should be as per the specifications. Makes : As per list of recommended brands as category II. | | |
| 691 | MAT-04360 | ELEC-9.2.11 | Analogue Addressable Heat detector and LED with standard base having capacity of min 126 address combination. Storage temperature -40°C to 80°C & Humidity 0-95%. The detector shall have facility to mount in different comprehensive environment like Hostile environment, Precious storage, Ware house and normal working environments. The heat detector must trigger the alarm as per the A1R/A2R/A2S/CR/CS requirement. The detector should have self locking mechanism and requires special tool to remove this detectors. The detector must have non volatile memory to write the installation date & site codes. Makes : As per list of recommended brands as category I. | 1 No | 5187 |
| 692 | MAT-04361 | ELEC-9.2.12 | Analogue Addressable Heat detector and LED with standard base having capacity of min 126 address combination. Storage temperature -40°C to 80°C & Humidity 0-95%. The detector shall have facility to mount in different comprehensive environment like Hostile environment, Precious storage, Ware house and normal working environments. The heat detector must trigger the alarm as per the A1R/A2R/A2S/CR/CS requirement. The detector should have self locking mechanism and requires special tool to remove this detectors. The detector must have non volatile memory to write the installation date & site codes. Makes : As per list of recommended brands as category II. | 1 No | 4554 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 693 | MAT-04362 | ELEC-9.2.13 | <p>Analogue Addressable Multisensor (Smoke & Heat) detector with LED with standard base having capacity of min 126 address combination. Operating temperature -40°C to 70°C && Humidity 0-95%. The detector should have polling 360 degree viewable LED with 5 class approved response modes all approved with the relevant standards , drift compensation and transient rejection. The detector should trigger heat alarm as per the A1R class requirement.The detector shall have facility to mount in different comprehensive environment like Hostile environment, Parking Garage, Precious storage, Ware house and normal working environments. The detector should have self locking mechanism and requires special tool to remove this detectors.The detector should have hard address inside the base.The detector should be mad up of fire retardant material & should be melt above 100 degree C. The detectors must be openable for the cleaning of dust whenever required.The detector must have 4 non volatile memory to write the installation date & site codes</p> <p>Makes : As per list of recommended brands as category I.</p> | 1 No | 5313 |
| 694 | MAT-04363 | ELEC-9.2.14 | <p>Analogue Addressable Multisensor (Smoke & Heat) detector with LED with standard base having capacity of min 126 address combination. Operating temperature -40°C to 70°C && Humidity 0-95%. The detector should have polling 360 degree viewable LED with 5 class approved response modes all approved with the relevant standards , drift compensation and transient rejection. The detector should trigger heat alarm as per the A1R class requirement.The detector shall have facility to mount in different comprehensive environment like Hostile environment, Parking Garage, Precious storage, Ware house and normal working environments. The detector should have self locking mechanism and requires special tool to remove this detectors.The detector should have hard address inside the base.The detector should be mad up of fire retardant material & should be melt above 100 degree C. The detectors must be openable for the cleaning of dust whenever required.The detector must have 4 non</p> | 1 No | 4554 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | volatile memory to write the installation date & site codes Makes : As per list of recommended brands as category II. | | |
| 695 | MAT-04364 | ELEC-9.2.15 | Supply, install, test and commissioning of Analogue addressable Control (Input/Output) module with inbuilt relay and isolator with LED indicator, approved to operate in –10°C to +55°C temperature, complies with the essential requirement of the EMC Directive to be supplied with Junction Box and other mounting accessories for proper installation. In case of Manufacturer with single Input or Output module need to supply One quantity of each for line item. Makes : As per list of recommended brands as category I. | 1 No | 5313 |
| 696 | MAT-04365 | ELEC-9.2.16 | Supply, install, test and commissioning of Analogue addressable Control (Input/Output) module with inbuilt relay and isolator with LED indicator, approved to operate in –10°C to +55°C temperature, complies with the essential requirement of the EMC Directive to be supplied with Junction Box and other mounting accessories for proper installation. In case of Manufacturer with single Input or Output module need to supply One quantity of each for line item . Makes : As per list of recommended brands as category II. | 1 No | 4681 |
| | MAT-04366 | ELEC-9.2.17 | Deleted | 1 No | |
| | MAT-04367 | ELEC-9.2.18 | Deleted | 1 No | |
| 697 | MAT-04368 | ELEC-9.2.19 | Supply, Installation, Testing & Commissioning of Loop isolation module which consists of LED. This LED shall be mounted with in a round polycarbonate enclosure. Isolator Base for Isolators. Makes : As per list of recommended brands as category I. | 1 No | 4807 |
| 698 | MAT-04369 | ELEC-9.2.20 | Supply, Installation, Testing & Commissioning of Loop isolation module which consists of LED. This LED shall be mounted with in a round polycarbonate enclosure. Isolator Base for Isolators. Makes : As per list of recommended brands as | 1 No | 3795 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | category II. | | |
| | | 9.3 | CONVENTIONAL - FIRE ALARM SYSTEM | | |
| 699 | | ELEC-9.3.1 | Supply, Installation, testing and commissioning of conventional Micro processor based Fire Alarm panel with, 12V SMF batteries etc., complete with all standard accessories. Makes : As per list of recommended brands. | | |
| | MAT-04370 | a | 2 Zone | 1 No | 17078 |
| | MAT-04371 | b | 4 Zone | 1 No | 18343 |
| | MAT-04372 | c | 6 Zone | 1 No | 18975 |
| | MAT-04373 | d | 8 Zone | 1 No | 19608 |
| | MAT-04374 | e | 10 Zone | 1 No | 24668 |
| | MAT-04375 | f | 12 Zone | 1 No | 28463 |
| | MAT-04376 | g | 14 Zone | 1 No | 32258 |
| 700 | MAT-04377 | ELEC-9.3.2 | Supply and installation of Repeater panel including the cost of mounting accessories complete as per specifications and as required. Makes : As per list of recommended brands. | 1 No | 15180 |
| 701 | MAT-04378 | ELEC-9.3.3 | Supply and installation of duel tone electronic hooter of 85dB including the cost of mounting accessories complete as per specifications and as required. Makes : As per list of recommended brands. | 1 No | 949 |
| 702 | MAT-04379 | ELEC-9.3.4 | 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. Makes : As per list of recommended brands. | 1 No | 759 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| 703 | MAT-04380 | ELEC-9.3.5 | Supply and installation of response indicators for above false ceiling detectors. Makes : As per list of recommended brands. | 1 No | 190 |
| 704 | MAT-04381 | ELEC-9.3.6 | 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 : As per list of recommended brands. | 1 No | 2024 |
| 705 | MAT-04382 | ELEC-9.3.7 | 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 : As per list of recommended brands. | 1 No | 1771 |
| 706 | MAT-04383 | ELEC-9.3.8 | 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 : As per list of recommended brands. | 1 No | 1645 |
| | | 9.4 | POWDER BASED FIRE EXTINGUISHERS | | |
| 707 | | | 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. | | |
| | MAT-04384 | ELEC-9.4.1 | Makes : As per list of recommended brands as category I. | 1 No | 13041 |
| | MAT-04385 | ELEC-9.4.2 | Makes : As per list of recommended brands as category II. | 1 No | 7176 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 708 | | | 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. | | |
| | MAT-04386 | ELEC-9.4.3 | Makes : As per list of recommended brands as category I. | 1 No | 6440 |
| | MAT-04387 | ELEC-9.4.4 | Makes : As per list of recommended brands as category II. | 1 No | 5474 |
| 709 | | | 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. | | |
| | MAT-04388 | ELEC-9.4.5 | Makes : As per list of recommended brands as category I. | 1 No | 9177 |
| | MAT-04389 | ELEC-9.4.6 | Makes : As per list of recommended brands as category II. | 1 No | 6118 |
| 710 | | | 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. | | |
| | MAT- | ELEC- | Makes : As per list of recommended brands as | 1 No | 10465 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | 04390 | 9.4.7 | category I. | | |
| | MAT-04391 | ELEC-9.4.8 | Makes : As per list of recommended brands as category II. | 1 No | 8372 |
| | | | CLEAN AGENT FIRE EXTINGUISHERS | | |
| 711 | | | 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 polyster powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty | | |
| | MAT-04392 | ELEC-9.4.9 | Makes : As per list of recommended brands as category I. | 1 No | 18676 |
| | MAT-04393 | ELEC-9.4.10 | Makes : As per list of recommended brands as category II. | 1 No | 15456 |
| 712 | | | 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 polyster powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty. | | |
| | MAT-04394 | ELEC-9.4.11 | Makes : As per list of recommended brands as category I. | 1 No | 31395 |
| | MAT-04395 | ELEC-9.4.12 | Makes : As per list of recommended brands as category II. | 1 No | 28175 |
| 713 | | | 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. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | | | |
| | MAT-04396 | ELEC-9.4.13 | Makes : As per list of recommended brands as category I. | 1 No | 14329 |
| | MAT-04397 | ELEC-9.4.14 | Makes : As per list of recommended brands as category II. | 1 No | 10787 |
| 714 | MAT-04398 | ELEC-9.4.15 | Supply and fixing of Escape signage boards in Rigid Photo luminescent based glow in Dark rigid sheet with high intensity luminous properties with specification. Makes : As per list of recommended brands. | 1 No | 1518 |
| 715 | MAT-04399 | ELEC-9.4.16 | 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, propene(acrolein), hydrogen chloride, hydrogen Cyanide and Solid and liquid toxic particles to manageable level for atleast 15 minutes shall with stand temperatures 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 | 17078 |
| 716 | MAT-04400 | ELEC-9.4.17 | Supply and fixing of 4Nos of 9 Ltrs capacity round bottom sand buckets along with bucket sand, Fire buckets with round bottom type enamel painted, white inside & red out side and letter FIRE in black out side & Handle with mounting bracket. | 1 Set | 1518 |
| 717 | MAT-04401 | ELEC-9.4.18 | Supply and fixing of Fire bucket stand fabricated by M.S. angles to install for Four numbers of buckets as per local fire officers standards. | 1 Set | 1898 |
| | | | AEROSOL GENERATION SYSTEM | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | (An alternative to water based sprinkler system) | | |
| 718 | MAT-05591 | ELEC-9.4.19 | Supply, Installation and commissioning of Auto Detection and Suppression System using Non Pressurised Aerosol Generator System with detection of thermocord to make the system standalone. It can be used for all classes of fire, The product Min. Life shall be 15 years and no Maintenance. The Discharge time shall be 8 sec. The Generator has a net weight of 0.5 kg. Active Substance of 50gms. The Generator has a capacity to cover 1 m ³ . Makes : As per list of recommended brands. | 1 No | 5175 |
| 719 | MAT-05592 | ELEC-9.4.20 | Supply, Installation and commissioning of Auto Detection and Suppression System using Non Pressurised Aerosol Generator System with detection of thermocord and Inbuilt Aerosol Sprinkler flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment to make the system standalone. It can be used for all classes of fire, The product Min. Life shall be 15 years and no Maintenance. The Discharge time shall be 18 sec. The Generator has a net weight of 2 kg. Active Substance of 300 gms. The Generator has a capacity to cover 6 m ³ . Makes : As per list of recommended brands. | 1 No | 40250 |
| 720 | MAT-05593 | ELEC-9.4.21 | Supply, Installation and commissioning of Auto Detection and Suppression System using Non Pressurised Aerosol Generator System with detection of thermocord and Inbuilt Aerosol Sprinkler flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment to make the system standalone. It can be used for all classes of fire, The product Min. Life shall be 15 years and no Maintenance. The Discharge time shall be 22 sec. The Generator has a net weight of 3 kg. Active Substance of 0.5 kg. The Generator has a capacity | 1 No | 51750 |

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|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | to cover 10 m ³ . Makes : As per list of recommended brands. | | |
| 721 | MAT-05594 | ELEC-9.4.22 | Supply,Installationand commissioning of Auto Detection and Suppression System using Non Pressurised Aerosol Generator System with detection of thermocord and Inbuilt Aerosol Sprinkler flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment to make the system standalone to make the system standalone. It can be used for all classes of fire, The product Min. Life shall be 15 years and no Maintenance. The Discharge time shall be 45 sec. The Generator has a net weight of 4.6 kg. Active Substance of 1 kg. The Generator has a capacity to cover 20 m ³ . Makes : As per list of recommended brands. | 1 No | 74750 |
| 723 | MAT-05595 | ELEC-9.4.23 | Supply,Installationand commissioning of Auto Detection and Suppression System using Non Pressurised Aerosol Generator System with detection of thermocord and Inbuilt Aerosol Sprinkler flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment to make the system standalone to make the system standalone. It can be used for all classes of fire. The product Min. Life shall be 15 years and no Maintenance. The Discharge time shall be 56 sec.The Generator has a net weight of 5.6 kg. Active Substance of 2 kg. The Generator has a capacity to cover 40 m ³ . Makes : As per list of recommended brands. | 1 No | 94300 |
| 724 | MAT-05596 | ELEC-9.4.24 | Supply,Installationand commissioning of Auto Detection and Aerosol Suppression System using Non Pressurised Aerosol Generator System with detection of thermocord and Inbuilt Aerosol Sprinkler flexibility of adjusting it for a temperature of 57/68/93/141 degree centigrade as per the site environment to make the system standalone. It can be used for all classes of fire, The product Min. Life shall be 15 years and no Maintenance. The Discharge time should be 80 sec. The Generator has a net weight of 8 kg. Active Substance of 4 kg. The Generator has a capacity to cover 80 m ³ . | 1 No | 106950 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Makes : As per list of recommended brands. | | |
| 725 | MAT-05597 | ELEC-9.4.25 | Supply, Installation and commissioning of Aerosol Fire suppression control Panel is basically a 10 Zone conventional panel with LED indications for sensors is open or fire. When the fire is detected by Sprinkler, Aerosol gets activated. 10 Aerosol Sprinkler input and 10 Aerosol Generator outputs provided. The Panel consists of 10 individual manual operation switch and one master switch to activate 10 Aerosol Generator outputs simultaneously | 1 No | 80500 |
| 726 | MAT-05598 | ELEC-9.4.26 | Supply, Installation and commissioning of Aerosol control Switch is a Controller for Activation of Each Aerosol Generator Makes : As per list of recommended brands. | 1 No | 22425 |
| 727 | MAT-05599 | ELEC-9.4.27 | Providing 'Fire Retardant Paint 1 hr Fire Resistance can be used to 'flame retard only 100 % cotton fabric, is normally used 'to treat coarse fabric e.g. tents etc. and gives coverage of 'approx. 120 to 130 sq.ft. to a fabric of 275-325 gsm. 'Can be applied 'Meant only for 100% cotton and coarse fabric like canvas ' / tents, natural wood etc. Makes : As per list of recommended brands. | 1 No | 2185 |
| 728 | MAT-05600 | ELEC-9.4.28 | Providing 'Flame retard any kind of fabric, be it 100% polyester or '100% cotton. It is normally used to flame 'retard upholstery, curtains, carpets etc., gives a coverage 'of approx. 120 to 130 sq.ft. to a fabric of 275-325 gsm. | 1 No | 2990 |
| 729 | MAT-05601 | ELEC-9.4.29 | Providing 'Fire Retardant coat towards passive protection to sustain 'up to 1000 Deg.C. for 1 hour. This product can be used for 'all the materials such as cable, steel, wood, cloth & 'concrete surface etc. | 1 No | 4830 |
| | | ELEC-9.4.30 | AUTO ABC 150KG FIRE EXTINGUISHING SYSTEM WITH AUTO FIRE DETECTION TUBE TECHNOLOGY SKIT MOUNTED ABC powder firefighting unit 150 kg capacity. Vessels are made of | 1 NO | 588525 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>boiler quality steel plate 8 mm thick radiography welding as per ASME code. Skit mounted having a Auto Fire Detection tube 25mtr. Long fitted. The discharge line can be fixed with open type nozzle, expelling agent of Co2 cylinder agent which is fitted with Auto Fire Detection specially designed imported Ceodeux valve and specially designed DIFFUSER SYSTEM to achieve minimum 98% discharge. Used for all classes of fire</p> <p>This system consists of the following: Expelling cylinder and Skit mounted ABC container with discharge output nozzle Expelling container connected through with manifold & diffuser nozzle to main cylinder. It is also fitted with Ceodex Valve, one end connected with Auto Fire Detection Tube to detect and another end fitted with pressure switch and hooter. Auto Fire Detection Tube will be installed with pressure of 12kg/cm2. Incase of fire the tube gets rupture in the temperature 115oC . Whereby the pressure in tube comes down to 0 level sudden falling in pressure opens the valve and release the expelling gas to main cylinder through manifold and diffuser systems. Discharge from main cylinder at fixed pressure through rapture disc to flood and quench fire instantly. Rapture disc can also be designed depends upon hazardous area. This the only latest technology which is used for all kind of inflammable hazards at open area. The fire fighting unit shall be made strictly as per the specifications to the satisfaction of State Disaster Response and Fire Serivces Vijayawada. Makes: As per list of recommended brands.</p> | | |
| | | 9.5 | FIRE HYDRANT AND SPRINKLER SYSTEM | | |
| | | | ELECTRIC DRIVEN MAIN FIRE PUMPS(SPLIT CASE) | | |
| 730 | MAT-04402 | 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 | 401856 |

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|---------|---------------------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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. | | |
| | | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : As per list of recommended brands. | | |
| 731 | MAT-04403 | 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 | 452088 |
| | | | 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 : As per list of recommended brands. | | |
| 732 | MAT-04404 | 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. | | 703248 |
| | | | a)Horizontal type, multistage, centrifugal, split casing pump of cast iron body and 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 and 120 Metres head conforming to IS 1520. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415 volts, 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 CC foundation of 1:2:4 ratio (1 Cement: 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) duly plastered and with anti vibration pads. Makes : As per list of recommended brands. | | |
| 733 | MAT-04405 | ELEC-9.5.4 | 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 | 521157 |
| | | | 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 : As per list of recommended brands. | | |
| 734 | MAT-04406 | ELEC-9.5.5 | 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 | 728364 |
| | | | a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body and 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 and 120 Metres head conforming to IS 1520. | | |
| | | | b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1470 RPM, suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | insulation, conforming to IS-325 | | |
| | | | c)M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. | | |
| | | | d)Suitable CC foundation of 1:2:4 ratio (1 Cement: 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) duly plastered and with anti vibration pads Makes : As per list of recommended brands. | | |
| | | | DIESEL ENGINE DRIVEN FIRE PUMPS | | |
| 735 | MAT-04407 | 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 | 522413 |
| | | | 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 : As per list of recommended brands. | | |
| 736 | MAT-04408 | ELEC-9.5.7 | 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 | 753480 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 | | |
| | | | 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 : As per list of recommended brands. | | |
| 737 | MAT-04409 | 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 | | 910455 |
| | | | 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 120 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 : As per list of recommended brands. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 738 | MAT-04410 | ELEC-9.5.9 | 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 | 853944 |
| | | | 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 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 : As per list of recommended brands. | | |
| 739 | MAT-04411 | ELEC-9.5.10 | 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 | 973245 |
| | | | 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 120 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. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : As per list of recommended brands. | | |
| | | | ELECTRIC DRIVEN MAIN FIRE PUMPS(END SUCTION) | | |
| 740 | MAT-04412 | ELEC-9.5.11 | 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 | 301392 |
| | | | 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 : As per list of recommended brands. | | |
| 741 | MAT-04413 | ELEC 9.5.12 | 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 | 246137 |
| | | | 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 | | |
| | | | 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 | | |
| | | | c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : As per list of recommended brands. | | |
| 742 | MAT-04414 | ELEC 9.5.13 | Supplying, installation, Testing and commissioning of Electric engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required | | 180835 |
| | | | 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 | | |
| | | | 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. | | |
| | | | 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 : As per list of recommended brands. | | |
| | | | DIESEL ENGINE DRIVEN MAIN FIRE PUMPS(END SUCTION) | | |
| 743 | MAT-04415 | ELEC-9.5.14 | 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 | 626644 |
| | | | 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 : As per list of recommended brands. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 744 | MAT-04416 | ELEC-9.5.15 | 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 | 499808 |
| | | | 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 | | |
| | | | b) Liquid cooled, 68 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 : As per list of recommended brands. | | |
| 745 | MAT-04417 | ELEC-9.5.16 | 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 | 437018 |
| | | | 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 | | |
| | | | b) Liquid cooled, 50 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 : As per list of recommended brands. | | |
| | | | JOCKEY PUMPS | | |
| 746 | MAT-04418 | ELEC-9.5.17 | 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 | 61534 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 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 : As per list of recommended brands. | | |
| 747 | MAT-04419 | ELEC-9.5.18 | 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 | 90418 |
| | | | 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 : As per list of recommended brands. | | |
| 748 | MAT-04420 | ELEC-9.5.19 | 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 | 1set | 138138 |
| | | | a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 120 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, | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 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 : As per list of recommended brands. | | |
| | | | BOOSTER PUMPS | | |
| 749 | MAT-04421 | ELEC-9.5.20 | 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 | 70325 |
| | | | 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 : As per list of recommended brands. | | |
| 750 | MAT-04422 | ELEC-9.5.21 | 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 | 54627 |
| | | | 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. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : As per list of recommended brands. | | |
| 751 | MAT-04423 | ELEC-9.5.22 | 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 | 52116 |
| | | | 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 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 : As per list of recommended brands. | | |
| 752 | MAT-04424 | ELEC-9.5.23 | 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 | 47972 |
| | | | 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 : As per list of recommended brands. | | |
| | | | CONTROL PANELS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 753 | MAT-05602 | ELEC-9.5.24 | Fabrication, supply, Transportation, Installation testing & commissioning of Electrical control panel of cubical construction, floor mounted type, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection with suitable size copper conductor cable/solid copper strip, having switchgears and accessories, mountings and internal wiring, earth terminals, numbering etc. complete in all respect, suitable for main fire pump, pressurisation pump & diesel pump set complete with following in coming and Outgoings, suitable for operation on 415V, 3 phase, 50Hz Ac Supply. Makes : As per list of recommended brands. | 1 No | 266783 |
| | | | <u>INCOMING :</u> | | |
| | | | 250A, 50kA 4 Pole MCCB, Ics=100% Icu rating | | |
| | | | Digital Voltmeter 0-500V with selector switch | | |
| | | | Digital Ammeter (0-250 A) with selector switch & CTs etc. | | |
| | | | LED type RYB phase indicating lamps, ON, OFF, trip indicating lamps | | |
| | | | Set of Copper Bus Bar 300A | | |
| | | | <u>OUTGOING :</u> | | |
| | | | (Note : All outgoing feeders for pumps should have digital Ammeter with selector switches, and LED type ON, OFF, trip indicating lamps) | | |
| | | | <u>MAIN FIRE PUMP</u> | | |
| | | | 125 A, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 60 HP pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation selector switch for local/remote, auto/manual/OFF operation. | | |
| | | | <u>JOCKEY PUMP</u> | | |
| | | | 63 A, 50kA TPN MCCB, Ics=100% Icu, with suitable protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <u>DIESEL ENGINE CONTROL</u> | | |
| | | | Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Water Temp and Engine on indication. Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0- 20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller. | | |
| 754 | MAT-05603 | ELEC-9.5.25 | Designing, Supply, Transportation, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specification Makes : As per list of recommended brands. | 1 No | 313935 |
| | | | <u>INCOMING :</u> | | |
| | | | 400A, 50kA 4 Pole MCCB, Ics=100% Icu rating | | |
| | | | Digital Voltmeter 0-500V with selector switch | | |
| | | | Ammeter (0-400 A) with selector switch & CTs etc. | | |
| | | | LED type RYB phase indicating lamps, ON, OFF, trip | | |
| | | | indicating lamps | | |
| | | | Set of Copper Bus Bar 500A | | |
| | | | <u>OUTGOING :</u> | | |
| | | | (Note : All outgoing feeders for pumps should have | | |
| | | | digital Ammeter with selector switches, and LED type | | |
| | | | ON, OFF, trip indicating lamps) | | |
| | | | <u>MAIN FIRE PUMP</u> | | |
| | | | 200 A, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 75 hp pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | JOCKEY PUMP | | |
| | | | 100 A, 50kA TPN MCCB, Ics=100% Icu, with suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. | | |
| | | | DIESEL ENGINE CONTROL | | |
| | | | Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempt starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0-20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller | | |
| 755 | MAT-05604 | ELEC-9.5.26 | Designing, Supply, Transportation, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specifications. Makes : As per list of recommended brands. | 1 No | 347438 |
| | | | <u>INCOMING :</u> | | |
| | | | 630A, 50kA 4 Pole MCCB, Ics=100% Icu rating | | |
| | | | Digital Voltmeter 0-500V with selector switch | | |
| | | | Ammeter (0-630 A) with selector switch & CTs etc. | | |
| | | | LED type RYB phase indicating lamps, ON, OFF, trip | | |
| | | | indicating lamps | | |
| | | | Set of Copper Bus Bar 800Amps | | |
| | | | <u>OUT GOING :</u> | | |
| | | | (Note : All outgoing feeders for pumps should have | | |
| | | | digital Ammeter with selector switches, and LED type | | |
| | | | ON, OFF, trip indicating lamps) | | |
| | | | <u>MAIN FIRE PUMP</u> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 250 A, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 100 hp pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. | | |
| | | | <u>JOCKEY PUMP</u> | | |
| | | | 125 A, 50kA TPN MCCB, Ics=100% Icu, with Suitable HP fully automatic Star/Delta starter with over load protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. | | |
| | | | <u>DIESEL ENGINE CONTROL</u> | | |
| | | | Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0-20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller. | | |
| 756 | MAT-05605 | ELEC-9.5.27 | Designing, Supply, Transportation, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specification Makes : As per list of recommended brands. | 1 No | 406999 |
| | | | <u>INCOMING :</u> | | |
| | | | 400A, 50kA 4 Pole MCCB, Ics=100% Icu Rating | | |
| | | | Digital Voltmeter 0-500V with selector switch | | |
| | | | Ammeter (0-400 A) with selector switch & CTs etc. | | |
| | | | LED type RYB phase indicating lamps, ON, OFF, trip | | |
| | | | indicating lamps | | |
| | | | Set of Copper Bus Bar 500Amps | | |
| | | | <u>OUT GOING :</u> | | |
| | | | (Note : All outgoing feeders for pumps should have | | |
| | | | digital Ammeter with selector switches, and LED type | | |
| | | | ON, OFF, trip indicating lamps) | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | MAIN FIRE PUMPS | | |
| | | | 125 Amp, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 60 hp pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. - 2 sets | | |
| | | | JOCKEY PUMP | | |
| | | | 63 Amp, 50kA TPN MCCB, Ics=100% Icu, with Suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. - 2 sets | | |
| | | | DIESEL ENGINE CONTROL | | |
| | | | Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indi Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0-20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller | | |
| 757 | MAT-05606 | ELEC-9.5.28 | Designing, Supply, Transportation, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specification Makes : As per list of recommended brands. | 1 No | 486413 |
| | | | <u>INCOMING :</u> | | |
| | | | 630A, 50kA 4 Pole MCCB, Ics=100% Icu Rating | | |
| | | | Digital Voltmeter 0-500V with selector switch | | |
| | | | Ammeter (0-630 A) with selector switch & CTs etc. | | |
| | | | LED type RYB phase indicating lamps, ON, OFF, trip | | |
| | | | indicating lamps | | |
| | | | Set of Copper Bus Bar 800Amps | | |
| | | | <u>OUT GOING :</u> | | |
| | | | (Note : All outgoing feeders for pumps should have | | |
| | | | digital Ammeter with selector switches, and LED type | | |
| | | | ON, OFF, trip indicating lamps) | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | MAIN FIRE PUMP | | |
| | | | 200 Amp, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 75 hp pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. - 2 sets | | |
| | | | JOCKEY PUMP | | |
| | | | 100 Amp, 50kA TPN MCCB, Ics=100% Icu, with Suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. - 2 sets | | |
| | | | DIESEL ENGINE CONTROL | | |
| | | | Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0-20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller. | | |
| 758 | MAT-05607 | ELEC-9.5.29 | Designing, Supply, Transportation, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specification Makes : As per list of recommended brands. | 1 No | 620425 |
| | | | <u>INCOMING :</u> | | |
| | | | 800A, 50kA 4 Pole MCCB, Ics=100% Icu Rating | | |
| | | | Digital Voltmeter 0-500V with selector switch | | |
| | | | Ammeter (0-800 A) with selector switch & CTs etc. | | |
| | | | LED type RYB phase indicating lamps, ON, OFF, trip | | |
| | | | indicating lamps | | |
| | | | Set of Copper Bus Bar 1000Amps | | |
| | | | <u>OUT GOING :</u> | | |
| | | | (Note : All outgoing feeders for pumps should have | | |
| | | | digital Ammeter with selector switches, and LED type | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | ON, OFF, trip indicating lamps) | | |
| | | | Main Fire Pump | | |
| | | | 250 Amp, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 100 hp pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. - 2 sets | | |
| | | | JOCKEY PUMP | | |
| | | | 125 Amp, 50kA TPN MCCB, Ics=100% Icu, with Suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation. - 2 sets | | |
| | | | DIESEL ENGINE CONTROL | | |
| | | | Control for diesel engine comprising - Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0-20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine System Controller | | |
| | | | MS PIPES | | |
| 759 | | ELEC-9.5.30 | 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 : As per list of recommended brands. | | |
| | | | C-CLASS MS PIPES | | |
| | MAT-04425 | a | 250 mm dia | 1 Mtr | 4831 |
| | MAT-04426 | b | 200 mm dia | 1 Mtr | 4191 |
| | MAT-04427 | c | 150 mm dia | 1 Mtr | 3197 |
| | MAT-04428 | d | 100 mm dia | 1 Mtr | 1989 |
| | MAT-04429 | e | 80 mm dia | 1 Mtr | 1321 |
| | MAT-04430 | f | 65 mm dia | 1 Mtr | 995 |
| | MAT-04431 | g | 50 mm dia | 1 Mtr | 796 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04432 | h | 40 mm dia | 1 Mtr | 675 |
| | MAT-04433 | i | 32 mm dia | 1 Mtr | 533 |
| | MAT-04434 | j | 25 mm dia | 1 Mtr | 398 |
| | | | B- CLASS MS PIPES | | |
| | MAT-04435 | a | 250 mm dia | 1 Mtr | 4262 |
| | MAT-04436 | b | 200 mm dia | 1 Mtr | 3694 |
| | MAT-04437 | c | 150 mm dia | 1 Mtr | 2557 |
| | MAT-04438 | d | 100 mm dia | 1 Mtr | 1705 |
| | MAT-04439 | e | 80 mm dia | 1 Mtr | 1208 |
| | MAT-04440 | f | 65 mm dia | 1 Mtr | 895 |
| | MAT-04441 | g | 50 mm dia | 1 Mtr | 696 |
| | MAT-04442 | h | 40 mm dia | 1 Mtr | 526 |
| | MAT-04443 | i | 32 mm dia | 1 Mtr | 426 |
| | MAT-04444 | j | 25 mm dia | 1 Mtr | 355 |
| 760 | | ELEC-9.5.31 | Supplying and fixing single headed Internal / External hydrant valve with instantaneous Gun metal/Stainless steel 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 : As per list of recommended brands. | | |
| | MAT-04445 | a | Single Headed Gun Metal | 1 No | 9503 |
| | MAT- | b | Single Headed Stainless Steel | 1 No | 8462 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 05608 | | | | |
| 761 | | ELEC-9.5.32 | 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 : As per list of recommended brands. | | |
| | MAT-04446 | a | (a) 250 mm . dia | 1 No | 14971 |
| | MAT-04447 | b | (b) 200 mm . dia | 1 No | 6379 |
| | MAT-04448 | c | (c) 150 mm dia | 1 No | 5337 |
| | MAT-04449 | d | (d) 100 mm dia | 1 No | 4101 |
| | MAT-04450 | e | (e) 80 mm dia | 1 No | 3775 |
| 762 | | ELEC-9.5.33 | 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 : As per list of recommended brands. | | |
| | MAT-04451 | a | a) 250mm dia | 1 No | 23432 |
| | MAT-04452 | b | (b) 200 mm dia | 1 No | 11977 |
| | MAT-04453 | c | (c) 150 mm dia | 1 No | 8592 |
| | MAT-04454 | d | (d) 100 mm dia | 1 No | 4556 |
| | MAT-04455 | e | (e) 80 mm dia | 1 No | 4426 |
| | MAT-04456 | f | (f) 50 mm dia | 1 No | 2343 |
| 763 | | ELEC-9.5.34 | 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 : As per list of recommended brands. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04457 | a | 250 mm . dia | 1 No | 19918 |
| | MAT-04458 | b | 200 mm . dia | 1 No | 14320 |
| | MAT-04459 | c | 150 mm dia | 1 No | 9113 |
| | MAT-04460 | d | 100 mm dia | 1 No | 6118 |
| | MAT-04461 | e | 80 mm dia | 1 No | 4556 |
| | MAT-04462 | f | (50 mm dia | 1 No | 3645 |
| 764 | | ELEC-9.5.35 | Providing, installation, testing and commissioning of gun metal valves of following sizes as required. Makes : As per list of recommended brands. | | |
| | MAT-04463 | a | 50 mm dia | 1 No | 2083 |
| | MAT-04464 | b | 40 mm dia | 1 No | 1692 |
| | MAT-04465 | c | 32 mm dia | 1 No | 1529 |
| 765 | | ELEC-9.5.36 | 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 : As per list of recommended brands. | | |
| | MAT-04466 | a | Gun metal | 1 No | 7330 |
| | MAT-05609 | b | SS couplings | 1 No | 5468 |
| 766 | | ELEC-9.5.37 | 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 : As per list of recommended brands. | | |
| | MAT-04467 | a | Gun metal | 1 No | 6249 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-05610 | b | SS couplings | 1 No | 5207 |
| 767 | | ELEC-9.5.38 | Supply, installation, testing and commissioning of stainless steel Y – Stainer fabricated out of 1.6 mm thick SS 304 with following sizes confirming to IS specifications complete with rubber gasket, GI bolts , nuts, washers etc as required. Makes : As per list of recommended brands. | | |
| | MAT-04468 | a | 250mm dia | 1 No | 23953 |
| | MAT-04469 | b | 200 mm . dia | 1 No | 22131 |
| | MAT-04470 | c | 150 mm dia | 1 No | 10414 |
| | MAT-04471 | d | 100 mm dia | 1 No | 5598 |
| | MAT-04472 | e | 80 mm dia | 1 No | 5077 |
| 768 | MAT-04473 | ELEC-9.5.39 | 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. Makes : As per list of recommended brands. | 1 No | 8722 |
| | | | a) 36.6 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 | | |
| | | | b) 20mm (Nominal internal) dia gun metal ball/gate valve and nozzle. | | |
| | | | c) Drum and brackets for fixing the equipments on wall. | | |
| | | | d) Connections from riser with 25mm dia stop valve (gun metal) & MS pipe. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 769 | MAT-04474 | ELEC-9.5.40 | 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. Makes : As per list of recommended brands. | 1 No | 3775 |
| 770 | | ELEC-9.5.41 | 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 : As per list of recommended brands. | | |
| | MAT-04475 | a | Gun metal | 1 No | 2864 |
| | MAT-05611 | b | SS couplings | 1 No | 2083 |
| 771 | MAT-04476 | ELEC-9.5.42 | 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. Makes : As per list of recommended brands. | 1 No | 10414 |
| 772 | MAT-04477 | ELEC-9.5.43 | 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. Makes : As per list of recommended brands. | 1 No | 7811 |
| 773 | MAT-04478 | ELEC-9.5.44 | 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 | 19471 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 774 | MAT-04479 | ELEC-9.5.45 | Providing fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68° C. pendent / side wall with required accessories. Makes : As per list of recommended brands. | 1 No | 557 |
| 775 | MAT-04480 | ELEC-9.5.46 | Supply fixing, testing and commissioning of UL approved flexible dropper of 1.5 mtr length with required accessories Makes : As per list of recommended brands. | 1 No | 1329 |
| 776 | MAT-04481 | ELEC-9.5.47 | Providing and fixing of Pressure Switch in the MS pipe Line including connection etc as required. Makes : As per list of recommended brands. | 1 No | 2847 |
| 777 | MAT-04482 | ELEC-9.5.48 | Providing and fixing Flow Switches in 100mm dia MS pipe. Makes : As per list of recommended brands. | 1 No | 6072 |
| 778 | MAT-04483 | ELEC-9.5.49 | Providing and fixing Flow Switches in 150 mm dia MS pipe. Makes : As per list of recommended brands. | 1 No | 8476 |
| 779 | MAT-04484 | ELEC-9.5.50 | 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 : As per list of recommended brands. | 1 No | 759 |
| 780 | MAT-04485 | ELEC-9.5.51 | Supply, installation, testing and commissioning of 25mm dia Gate valve Makes : As per list of recommended brands. | 1 No | 1367 |
| 781 | MAT-04486 | ELEC-9.5.52 | Supply, installation, testing and commissioning of 25mm dia Ball valve Makes : As per list of recommended brands. | 1 No | 755 |
| 782 | MAT-04487 | ELEC-9.5.53 | Supply, installation, testing and commissioning of 25 / 20mm dia Air Release Valve Makes : As per list of recommended brands. | 1 No | 1432 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 783 | | ELEC-9.5.54 | Supply, installation, testing & commissioning of sprinkler flexible pipe (UL Listed) of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of following sizes complete as required. Makes : As per list of recommended brands. | | |
| | MAT-04488 | a | 750mm to 800 mm | 1 No | 1139 |
| | MAT-04489 | b | 1000 mm to 1200 mm | 1 No | 1329 |
| | MAT-04490 | c | 1500 mm | 1 No | 1582 |
| 784 | | ELEC-9.5.55 | Providing, fixing, testing & commissioning of installation control valve of cast iron body,brass/bronze working parts comprising of water motor alarm, bronze seat clapper, clapper arm and 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 following sizes as required : Makes : As per list of recommended brands. | | |
| | MAT-05612 | a | 80mm dia | 1 No | 46865 |
| | MAT-05613 | b | 100mm dia | 1 No | 49468 |
| | MAT-04491 | c | 150mm dia | 1 No | 52072 |
| 785 | | ELEC-9.5.56 | Supplying, installing, testing and commissioning of CI body Foot Valve with brass strainer with necessary flanges, nuts and bolts etc., complete on to the suction line. Makes : As per list of recommended brands. | | |
| | MAT-04492 | a | a) 200mm nominal dia | 1 Ea | 29030 |
| | MAT-04493 | b | b) 150mm nominal dia | 1 Ea | 15622 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-04494 | c | c) 100mm nominal dia | 1 Ea | 8722 |
| | MAT-04495 | d | d) 80mm nominal dia | 1 Ea | 5988 |
| 786 | | ELEC-9.5.57 | Supply and laying of 300mm dia NP2 RCC Hume pipe with Collars for Road crossings -As per Civil SoR | | |
| 789 | | ELEC-9.5.58 | 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 specifications. Makes : As per list of recommended brands. | | |
| | MAT-04496 | a | a) 200mm nominal dia | 1 Mtr | 521 |
| | MAT-04497 | b | b) 150mm nominal dia | 1 Mtr | 391 |
| | MAT-04498 | c | c) 100mm nominal dia | 1 Mtr | 352 |
| | MAT-04499 | d | d) 80mm nominal dia | 1 Mtr | 300 |
| 790 | MAT-04500 | ELEC-9.5.59 | 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 | 82 |
| 791 | MAT-08784 | ELEC-9.5.60 | Fabrication ,transportation and supply of fully outdoor type wall mounted/floor mounted automatic control panel board with IP-66 protection for 3 phase 7.5 H.P. Motor of Booster Pump set of size 600x 600x 250mm 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 louvres with weld mesh inside and mounted on suitable angle frame work of 450mm height on a PCC pedestal over the terrace consisting of the following equipment/ components with all internal wiring for power and control circuits and control wiring from sensors like pressure switches etc., using copper FRLS cables of suitable | 1 No | 24817 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | size and capacity and cable clamp etc complete with DOL Starter of including cost of all materials and all labour charges, transportation etc., complete for finished item of work. (Panel shall be fabricated from reputed and branded manufacturers approved by dept and having CPRI approval with CPRI test certificates). Makes : As per list of recommended brands. | | |
| | | | <p>1) Supply & Fixing of DOL Starter suitable for 7.5 HP Pump Motor - 1 No</p> <p>2) Supply and Fixing of (0-500) V range Volt meter on existing panel, making connection by PVC insulated copper conductor with PVC sleeves/channel etc., as required.-1 No</p> <p>3) Supply and Fixing of CT operated direct reading type Ammeter, below 500A, on existing panel, making connection by PVC insulated copper conductor with PVC sleeves/channel etc. as required - 1 No</p> <p>4) Supply and Fixing of selector switch for Voltmeter & Ammeter (4 position) including making connection etc. as required.- 2 No</p> <p>5) Supply and Fixing of 240/220 V, LED (22.5 mm dia) Pilot indication lamps Red, Yellow & Blue Colour with integral circuit, terminal block, including connection etc. as required - 3 No</p> <p>6) Supply and Fixing of Single Phase Preventor of suitable range - 1No.</p> <p>7) Supply and fixing of ISI Mark suitable capacitor</p> <p>8) Supply and Fixing of MPCB (Motor Protection Circuit Breaker) suitable for 7.5 HP Motor, Icu=50 KA with adjustable thermal and magnetic release Panel Mounted</p> <p>9) Supply and Fixing of Non-Luminous type, ON/OFF/TRIP push button actuators and integral contact block of dia. 22.5 mm including making connection etc. as required.</p> <p>10) Supply and Fixing of AC operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1 having provision of mechanical interlocking, Din rail mounting type including making connections, testing etc. as required.</p> <p>- 3 pole, 35-40A AC3 Rating, Contactor - 1 No</p> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>11) Supply and Fixing of 24 V DC ,Aux Contactor with 2 NO+2NC Contacts with suitable NO+NC ADD on Block</p> <p>12) Supply and Fixing of thermal over load relay with built in single phase protection and having at least 1NO & 1NC contacts,manual /auto reset facility including making connection testing etc. as required - 1 No</p> <p>13) Supply and Fixing of Current Transformer, upto 150 / 5 Ratio , 10 VA , class 1 accuracy with all necessary support inexisting panel including connection etc. as required - 3 No</p> | | |
| | | | Control & Power wiring with suitable size of approved make FRLS PVC flexible copper wires and from pressure sensors etc., , Earth Bus Bar, Door Loop earhings, Ferrules, danger plate, door locks, mounting arrangements with 40x40x6mm MS angle iron frame, PCC and masonry work, painting for MS angle frame with red oxide and enamel paint etc., and all other accessories including all labour charges etc with connections for finished item of work including transportation charges | | |
| 792 | MAT-08785 | ELEC-9.5.61 | Providing and fixing of gun metal fire Brigade Suction Hose coupling (Draw-out Connection) with nut for female coupling as per IS:902- 1974 complete with 100 mm dia. G.I. Suction pipe and 100 mm dia. 1No. C.I. Foot valve flanged (to be connected to static water tank). Makes : As per list of recommended brands. | | 7854 |
| 793 | MAT-08786 | ELEC-9.5.62 | Providing, installation, testing & commissioning of water curtain nozzle 15mm dia nickel chrome plated brass, BSPT, K-factor as per design consideration complete as required. Makes : As per list of recommended brands. | | 556 |
| 794 | MAT-08787 | ELEC-9.5.63 | Supplying and fixing orifice plate made out of 6 mm thick stainless steel (Grade 304) with orifice of required size to be fitted between flange& landing valve of external and internal hydrants to reduce pressure at the outlet to the level of 3.5 kg/cm ² complete as required. Makes : As per list of recommended brands. | | 1086 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 795 | | ELEC-9.5.64 | Supply, Installation, testing and commissioning of stainless steel puddle flange fabricated out of 1.6mm thick SS 304 confirming to IS specifications including nuts, bolts and rubber insertions etc. Makes : As per list of recommended brands. | | |
| | MAT-08788 | a | 150 mm dia | 1 No | 7315 |
| | MAT-08789 | b | 100mm dia | 1 No | 6380 |
| | MAT-08790 | c | 80 mm dia | 1 No | 4950 |
| | MAT-08791 | d | 65 mm dia | 1 No | 3300 |
| | MAT-08792 | e | 50 mm dia | 1 No | 3080 |
| 796 | MAT-08793 | ELEC-9.5.65 | Supply, Erection, Testing and commissioning of Sluice valves as per IS:14846 (PN 10 Rating, for suction side of the pumps) and rising spindle type with flanges, bolts, nuts, washers, gaskets etc. The valve shall be fitted with Supervisory switch for monitoring. Makes : As per list of recommended brands. | | |
| | | | 100mm dia | | 12100 |
| 797 | MAT-08794 | ELEC-9.5.66 | Supplying, installation, testing & commissioning of deluge valve (to be used for water curtains) UL listed with wet pilot basic trim assembly for DVA with test and alarm, drip and drain valve with water motor gong complete as required. Makes : As per list of recommended brands. | | |
| | | | 150mm dia | | 102198 |
| 798 | MAT-08795 | ELEC-9.5.67 | Providing, installation, testing & commissioning of electric release trim assembly for deluge wall with two way solenoid valve, weather proof operation on 24 volts DC supply complete as required. Makes : As per list of recommended brands. | | 6204 |
| 799 | MAT-08796 | ELEC-9.5.68 | Providing, installation, testing & commissioning of adjustable rosette plate for 15mm dia in white finish as per specifications complete as required. | | 171 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 800 | | ELEC-9.5.69 | Supply & Installation, Testing and commissioning of trolley mounted, electrically operated triplex plunger pumps with 2-H.P, 1-Phase 1450 rpm, 1-phase motor with high pressure triplex pump of 5-0 kg/cmv with nylon hydraulic hose pipe of 3/4" dia, 5mt height for suction and 3/8" dia 30mt length for delivery with all required nozzles has valves, high pressure gun, fittings etc with come of 3-core, 2.5 sqmm flexible copper cable with 3-pin 16A top and all required accessories and labour charges for erection, testing including transportation etc. complete, Make of motor: crompton, kiroken, texmo, suguna with ISI mark, Pump: Green tech, Kisan, Ultrajet, Pressurejet, Ambica tools, seaara or any ISI | Each | 41625 |
| 801 | | ELEC-9.5.70 | Supply and installation, testing and commissioning of trolley mounted 6.50HP high pressure petrol driven triple pump with hydraulic nylon pipes 3/4" dia, 5mt length for suction 3/8" dia 30mt length for delivery, nozzles, valves high pressure gun, fittings etc complete with all required accessories and labour charges for erection testing and transportation etc complete. | Each | 35000 |
| 802 | | ELEC-9.5.71 | Supply & Installation, Testing and commissioning of trolley mounted, electrically operated triplex plunger pumps with 5-H.P, 1-Phase 1450 rpm, 1-phase motor with high pressure triplex pump of 5-0 kg/cmv with nylon hydraulic hose pipe of 3/4" dia, 5mt height for suction and 3/8" dia 30mt length for delivery with all required nozzles has valves, high pressure gun, fittings etc with come of 3-core, 2.5 sqmm flexible copper cable with 3-pin 16A top and all required accessories and labour charges for erection, testing including transportation etc. complete, Make of motor: crompton, kiroken, texmo, suguna with ISI | Each | 46725 |
| | | | SECTION 10 | | |
| | | 10.1 | GENERATORS SPECIFICATION | | |
| 803 | | ELEC-10.1.1 | Supply Installation Testing And commissioning of DG Set complete with 1500 RPM Diesel Engine of suitable BHP & AC Brush less SPDP Alternator mounted on a common base Frame & coupled through a flexible coupling or close coupled. Alternator: It shall be self regulated, self excited and conforms to IS: 13364/1992 or latest version with regulation of +5% from No load to full | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>load, IP23, with standard Alternator Protection(Over voltage, over speed & under voltage).</p> <p>DieselEngine: Itshall have residential silencer, up to 10 M exhaust piping , electronic / Mechanical governor, Manual & electric Start, Batteries, Fuel tank & piping, control panel (16 G) with SPN(For 5 KVA)/TPN MCCB of required rating (25/36/50 KA) with PLC based Engine controller supplied by OEM, Ammeter, Voltmeter, Frequency Meter or Multi function meter, Energy Meter & Hour Meter, Engine instruments panel,AVM and Automatic Voltage Regulator. The diesel engine shall be capable of providing 10% over load for 1 Hr for every 11 Hrs of continuous running at full load.The DG set shall be supplied with initial filling of fuel,lube oil, coolant oil as per OEM specifications and shall be tested at site.</p> <p>Accoustic Enclosure: Weatherproof, powder coated Accoustic enclosure for DG set for sound attenuation fabricated from 1.6 mm CRCA sheet steel (structure) with side wall fabricated from 1.6 mm CRCA sheet and filled with foam as per CPCB norms latest amendments & IS 8183 .The doors are fabricated from 1.6 mm CRCA sheet packed with accoustic material, floor of MS chequered plate 5.0 mmthick, All doors/ opening are sealed with neoprene/ EPDN gaskets.</p> <p>The DG Set shall be maintained for two years after commissioning by the supplier including regular servicing, cost of consumables etc complete as specified by the OEM along with warranty for two years.</p> | | |
| | | | <p>The enclosure has built in fuel tank, residential silencer (isolated from main DG chamber) with protection and tripping of DG set against temperature of more than 50 °C. All controls for operation of DG set are from outside the enclosure with DG control panel having processor based genset monitoring and control system MCCB/ACB Ammeter, voltmeter, Pf meter, frequency meter, KWH meter, Ind. Lamps etc. mounted inside enclosure , visible and accessible from outside. The enclosure should be suitable for following capacity DG sets and alternator.Noise level is less than 75 db (A) at a distance of 1 Mtrs as per CPCB-II norms,complete in all respect of following capacity :</p> | | |
| | | | Radiator Cooled and Turbocharged | | |
| | | | 5 kVA at 0.8 pf 230V 50Hz 1-Ø | 1 No | 150000 |
| | | | 10 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 235000 |
| | MAT-04501 | a | 15 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 340000 |
| | | | 20 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 357000 |
| | | | 25 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 399000 |
| | MAT- | b | 30 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 440000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 04502 | | | | |
| | MAT-04503 | c | 40 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 548000 |
| | MAT-04504 | d | 62.5kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 630000 |
| | MAT-04505 | e | 125 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 825000 |
| | | (a to e) | Makes : As per list of recommended brands. | | |
| | MAT-04506 | f | 160 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 1080000 |
| | | g | 200 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 1296000 |
| | MAT-04508 | h | 250 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 1550000 |
| | MAT-04509 | i | 320 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 2250000 |
| | MAT-04510 | j | 380 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 2870000 |
| | | (f to j) | Makes : As per list of recommended brands. | | |
| | MAT-04511 | k | 500kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 3150000 |
| | MAT-04512 | l | 625 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 3800000 |
| | MAT-04513 | m | 750 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 4730000 |
| | MAT-04514 | n | 1000 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 5700000 |
| | MAT-04515 | o | 1250 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 7700000 |
| | MAT-04516 | p | 1500 kVA at 0.8 pf 415V 50Hz 3-Ø | 1 No | 8740000 |
| | | (j to p) | Makes : As per list of recommended brands. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 804 | | ELEC-10.1.2 | Supply Installation Testing and Commissioning of AUTO MAINS FAILURE (AMF) Panel with IP 52 protection, fabricated from CRCA sheet steel 2mmThick , Powder coated finish , Engine START & STOP commands,control RELAYS, selector switches for Ammeter & Voltmeter, Ammeter & Voltmeter ,4pole MCCBs for EB Supply and DG Supply of required rating and breaking capacity, Automatic battery charger(External charger for DG) Control & Power Contactors, Timers, Electronic Hooter ,Visual & Alarm indication for faults, UPS, operator interface panel complete in all respect suitable for following capacity DG sets: | | |
| | | | PLC based AMF Panel | | |
| | MAT-04517 | a | 25 to 40 KVA | 1 No | 75000 |
| | MAT-04518 | b | 50 to 63.5 KVA | 1 No | 110000 |
| | MAT-04519 | c | 80 to 160 KVA | 1 No | 155000 |
| | MAT-04520 | d | 180 to 250 KVA | 1 No | 210000 |
| | MAT-04521 | e | 320 to 500 KVA | 1 No | 260000 |
| | | | Electro-Mechanical Relay Based AMF Panel | | |
| | MAT-04522 | f | 25 to 63.5 KVA | 1 No | 55000 |
| | MAT-04523 | g | 80 to 180 KVA | 1 No | 92500 |
| | MAT-04524 | h | 200 to 500 KVA | 1 No | 135000 |
| 805 | MAT-04525 | ELEC-10.1.3 | Supply and fixing of Thermal Insulation With Asbestos Rope for Exhaust pipe | Mtr | 251 |
| 806 | MAT-04526 | ELEC-10.1.4 | Supply and fixing of Thermal Insulation With Rock/Glass Wool wwith Alluminium cladding (Density -96 Kg/m3 thickness -50mm) for Exhaust pipe | Mtr | 1247 |
| | | | SECTION 11 | | |
| | | 11.1 | INVERTERS and ONLINE UPS SYSTEMS | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 807 | | ELEC-11.1.1 | Supply and installation of Inverter(home UPS system) pure sine wave out put, single phase input / Single phase output. Makes : As per list of recommended brands. | | |
| | MAT-04527 | a | 800 VA, 12 V DC | 1 No | |
| | MAT-04528 | b | 1400 VA, 24 V DC | 1No | 13200 |
| | MAT-04529 | c | 2000 VA, 36 V DC | 1No | 18700 |
| 808 | | ELEC-11.1.2 | Supply installation Testing and commissioning of KVA on line UPS system confirms to IS 16242(Part-I):2014 and IEC 60240-1 : 2008 with IGBT technology pure sine wave out put, double conversion with auto and manual static by pass switch single phase input / Single phase output. Makes : As per list of recommended brands. | | |
| | MAT-04530 | a | 2.0 KVA , 72/96VDC | 1 No | 31126 |
| | MAT-04531 | b | 3.0 KVA , 72/96 VDC | 1 No | 42798 |
| | MAT-04532 | c | 3.0 KVA , 72/96 VDC with Isolation Transformer | 1 No | 49023 |
| | MAT-04533 | d | 6.0 KVA , 192/240 VDC with Isolation Transformer | 1 No | 84299 |
| | MAT-04534 | e | 7.0 KVA , 192/240 VDC with Isolation Transformer | 1 No | 101807 |
| | MAT-04535 | f | 10.0 KVA , 192-240 VDC with Isolation Transformer | 1 No | 122557 |
| 809 | | ELEC-11.1.3 | Supply installation Testing and commissioning of KVA on line UPS system as per IEC 62040-I(Safety) ,IEC 62040-3(Performance) for critical IT solutions ,fully digital IGBT Converter and Inverter ,with Internal /External isolation transformer from DC to AC, PWM, pure sine wave out put, double conversion ,output pf 0.9, with parallelling facility , standard communicaton features/options auto and manual static by pass switch three phase input / Three phase output. Accoustic level shall be less than 58dB at 1 mtr distance. Makes : As per list of recommended brands. | | |
| | MAT-04536 | a | 10.0 KVA 312/360 V DC | 1 No | 213989 |
| | MAT- | b | 15.0 KVA 312/360 V DC | 1 No | 233442 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | 04537 | | | | |
| | MAT-04538 | c | 20.0 KVA 312/360 V DC | 1 No | 272349 |
| | MAT-04539 | d | 30.0 KVA 312/360/384/480 V DC | 1 No | 356648 |
| | MAT-04540 | e | 40.0 KVA 312/360/384/480 V DC | 1 No | 453915 |
| 810 | | ELEC-11.1.4 | Supply installation Testing and commissioning of KVA on line UPS system as per IEC 62040-1(Safety) ,IEC 62040-3(Performance) for critical IT solutions ,fully digital IGBT Converter and Inverter ,with Internal /External isolation transformer from DC to AC, PWM, pure sine wave output, double conversion ,output pf 0.9, with parallelling facility , standard communication features/options auto and manual static by pass switch three phase input / Three phase output. Accoustic level shall be less than 58dB at 1 mtr distance. Makes : As per list of recommended brands. | | |
| | MAT-04541 | a | 60 KVA | 1 No | 842985 |
| | MAT-04542 | b | 80.0 KVA | 1 No | 1102365 |
| | MAT-04543 | c | 100.0 KVA | 1 No | 1277447 |
| | MAT-04544 | d | 120.0 KVA | 1 No | 1449934 |
| | MAT-04545 | e | 160.0 KVA | 1 No | 1618531 |
| | MAT-04546 | f | 200.0 KVA | 1 No | 1652251 |
| 811 | MAT-04547 | ELEC-11.1.5 | Supply and providing of UPS cum battery rack up to 4 batteries | 1 No | 1650 |
| 812 | MAT-04548 | ELEC-11.1.6 | Supply and providing of battery rack for 5 to 10 batteries (42 AH) | 1 No | 3300 |
| 813 | MAT-04549 | ELEC-11.1.7 | Supply and providing of battery rack upto 11 to 20 batteries (42 AH) | 1 No | 5500 |
| 814 | MAT-04550 | ELEC-11.1.8 | Supply and providing of battery rack upto 20 to 30 batteries (65 & 100 AH) | 1 No | 9900 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 815 | MAT-04551 | ELEC-11.1.9 | Supply and fixing of 12V 26 AH SMF battery with 3 years Warranty, including wire leads ,connections etc complete., Makes : As per list of recommended brands. | 1 No | 3520 |
| 816 | MAT-04552 | ELEC-11.1.10 | Supply and fixing of 12V 42 AH SMF battery with 3 years Warrantyincluding wire leads ,connections etc complete.. Makes : As per list of recommended brands. | 1 No | 6270 |
| 817 | MAT-04553 | ELEC-11.1.11 | Supply and fixing of 12V 65 AH SMF battery with 3 years warranty including wire leads ,connections etc complete., Makes : As per list of recommended brands. | 1 No | 7920 |
| 818 | MAT-04554 | ELEC-11.1.12 | Supply and fixing of 12V 100 AH SMF battery with 3 years warranty including wire leads,connections etc complete., Makes : As per list of recommended brands. | 1 No | 11484 |
| 819 | MAT-04555 | ELEC-11.1.13 | Supply and fixing of 12V 120/130 AH SMF battery with 3 years warranty including wire leads,connections etc complete., . Makes : As per list of recommended brands. | 1 No | 12276 |
| 820 | MAT-04556 | ELEC-11.1.14 | Supply and fixing of 12V, 150 AH SMF battery with 3 years warrantyincluding wire leads,connections etc complete., Makes : As per list of recommended brands. | 1 No | 17160 |
| 821 | MAT-04557 | ELEC-11.1.15 | Supply and fixing of 12V, 200 AH SMF battery with 3 years warranty including wire leads ,connections etc complete., Makes : As per list of recommended brands. | 1 No | 23760 |
| 822 | | ELEC-11.1.16 | Supply and fixing of 12V, 120 AH MF battery including wire leads | 1 No | deleted |
| 823 | MAT-04559 | ELEC-11.1.17 | Supply and fixing of 12V, 150 AH MF battery including wire leads Makes : As per list of recommended brands. | 1 No | 13200 |
| | | | SERVO CONTROLLED VOLTAGE STABILISERS | | |
| 824 | | ELEC-11.2.1 | Supply, Installation, Testing & Commissioning of Micro controller based confirming to IS:9815 IP 20 Servo Controlled 3 phase voltage stabilizer | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | with Input Voltage Range: 340-480 V, Output Voltage : 415V \pm 1% (230V Phase) Rated supply frequency : 47 - 53 Hz Ambient Temperature : 45° C Continuous Duty cycle with low voltage/High Voltage/Over load/Short Circuit/sinlge phase prevention protections,3 Nos sensing Transformers,Correction rate :30 V/sec, Input on, Input Low, Input High, Out put On, Output Cutoff, Auto / Manual Selector switch, Increase / Decrease Selector switch, Volts adj. Potentiometer, Voltmeter to read input and Output Voltage with Selector switch, Ammeter to read the Output current 3 phase SCVS, Input MCCB, Bypass, Output Contactor,Type Air Cooled etc., complete with all labour charges and with connections. | | |
| | | a | 10 KVA | 1 No | 47700 |
| | | b | 15 KVA | 1 No | 51700 |
| | | C | 20 KVA | 1 No | 60700 |
| | | D | 30 KVA | 1 No | 84400 |
| | | E | 40 KVA | 1 No | 81000 |
| | | F | 50 KVA | 1 No | 104950 |
| | | G | 60 KVA | 1 No | 122600 |
| | | H | 75/80 KVA | 1 No | 156900 |
| | | i | 100 KVA | 1 No | 191600 |
| | | | SECTION – 12 | | |
| | | 12.1 | TEMPORARY ILLUMINATION | | |
| 825 | HIR-00241 | ELEC-12.1.1 | Hire charges for Temporary illumination, consisting of 20W LED tube light complete with required switchgears with continuous earth wire duly erected and dismantled with required scaffolding | 1 No | 41 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | including cost and conveyance of all materials and labour charges etc., complete for one day. | | |
| 826 | HIR-00242 | ELEC-12.1.2 | Hire charges for Temporary illumination, consisting of flood light fitting 1000/500W complete halogen fitting with lamp, holders, mains and required switchgears with continuous earth wire erected and dismantled with required scaffolding for one day. | 1 No | 337 |
| 827 | HIR-00243 | ELEC-12.1.3 | Hire charges for Temporary illumination, consisting of 400W Metalhalide flood light fitting with lamp,holders,mains and required switchgears with continuous earth wire erected and dismantled with requird scaffolding for one day. | 1 No | 396 |
| 828 | HIR-00244 | ELEC-12.1.4 | Hire charges for Temporary illumination, consisting of 400W Metal Halide flood light fitting with Coloured lamp (Blue / Pink / Yellow / Red etc.,)holders,mains and required switchgears with continuous earth wire erected and dismantled with required scaffolding for one day. | 1 No | 434 |
| 829 | HIR-00245 | ELEC-12.1.5 | Hire charges for Temporary illumination, consisting of 54 W LED RGB Parcan light fitting non integral, weather proof die cast alluminium housing with IP66 protection with control gear box, conrol gear with required cables, holder, mains duly erected with required scaffolding and dismantled on exising poles including cost and conveyance of all materials and labour charges etc., complete for one day. | 1 No | 419 |
| 830 | HIR-00246 | ELEC-12.1.6 | Hire charges for providing temporary illumination consisting of flood light fitting 150/200 W complete LED fitting with lamp, complete required switchgear erected and dismantled with using scaffolding for one day. | 1 No | 483 |
| 831 | HIR-00247 | ELEC-12.1.7 | Hire charges for temporary illumination consisting of strip lights 8mm LED lights of various colors (Navar Patta) complete with holders, required wire leads erected and dismantled including required scaffolding and T&P including cost and conveyance of all materials and all labour charges etc., complete | 1000 Nos | 1513 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|----------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | for one day. | | |
| 832 | HIR-00248 | ELEC-12.1.8 | Hire charges for temporary illumination consisting of white color series lights with miniature lamps of 8mm LED lights with required wire leads erected and dismantled including required scaffolding and T&P including cost and conveyance of all materials and all labour charges etc., complete for one day. | 1000 Nos | 1040 |
| 833 | HIR-00249 | ELEC-12.1.9 | Hire charges for temporary illumination consisting of LED RGB pixel series strip lights 8mm LED lights of various colors (Navar Patta) complete with holders, required wire leads erected and dismantled including required scaffolding and T&P including cost and conveyance of all materials and all labour charges etc., complete for one day. | 1000 Nos | 1288 |
| 834 | HIR-00250 | ELEC-12.1.10 | Hire charges for temporary illumination consisting LED,RGB pixel series lights with miniature lamps of 8mm LED lights with required wire leads erected and dismantled including required scaffolding and T&P including cost and conveyance of all materials and all labour charges etc., complete for one day. | 1000 Nos | 826 |
| 835 | HIR-00251 | ELEC-12.1.11 | Hire Charges for National Flag of size 8"x4"Comprising LED's with required wire leads and switch gear etc., complete for one day. | 1 No | 5775 |
| 836 | HIR-00252 | ELEC-12.1.12 | Hire charges for supply and maintaining of oscillating type pedestal air circulators 600/900 mm connected with necessary mains, required switchgears with continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 185 |
| 837 | HIR-00253 | ELEC-12.1.13 | Hire charges for supply and maintaining of oscillating type pedestal fan 16" (400 mm) or ceiling fan connected with necessary mains, required switchgears with continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 170 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 838 | HIR-00254 | ELEC-12.1.14 | Hire charges for Providing 1.1KW , 24500 m3/Hr Air cooler and required materials with necessary mains switch gear with continues earth lead during function duly removing including cost and conveyance of all materials and labour charges etc., complete for one day. | 1 No | 1432 |
| 839 | HIR-00255 | ELEC-12.1.15 | Hire charges for supply and maintaining of heavy duty exhaust fan 18" or 24" connected with necessary mains, required switchgears with continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 170 |
| 840 | HIR-00256 | ELEC-12.1.16 | Hire charges for supply and maintaining of plug points with 16A/6A 5 Pin socket and swich with necessary mains, required switchgears and continuous earth connection for one day. | 1 No | 71 |
| 841 | HIR-00257 | ELEC-12.1.17 | Hire charges for supply and maintaining 280 litres capacity refrigerator complete with M.S. stand if necessary connected with mains, switchgear and continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 578 |
| 842 | HIR-00258 | ELEC-12.1.18 | Hire charges for supply and maintaining 120/150 liter capacity water cooler with water filter (candle type or UV tube) with M.S. stand complete with minor plumbing work if necessary connected with mains, required switchgears and continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 1271 |
| 843 | HIR-00259 | ELEC-12.1.19 | Hire charges for supply and maintaining 20"/24" colour television with multi channel tuner, connected with necessary mains, required switchgears with continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 416 |
| 844 | HIR-00260 | ELEC-12.1.20 | Providing and maintaining temporary LCD/LED colour T.V. (32"to 42" size) and positioning at site with required cabling as per direction of authority, duly connecting and testing for one day. | 1 No | 866 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 845 | HIR-00261 | ELEC-12.1.21 | Hire charges for supply and maintaining 6V/10V with 20/40 Watt fluorescent emergency lamp connected with necessary mains, required switchgears and continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 116 |
| 846 | HIR-00262 | ELEC-12.1.22 | Hire charges for supply and maintaining digital projector with spring loaded white screen connected with necessary mains, required switchgears and maintaining the same during the function including dismantling for one day. | 1 No | 5891 |
| 847 | HIR-00263 | ELEC-12.1.23 | Hire charges for providing 1.5/2.0 Ton capacity split type air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, required switchgears and continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 5072 |
| 848 | HIR-00264 | ELEC-12.1.24 | Hire charges for providing 3.5 Ton capacity tower type air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, required switchgears and continuous earthing maintaining the same during the function and including dismantling for one day. | 1 No | 5796 |
| 849 | HIR-00265 | ELEC-12.1.25 | Hire charges for providing 4.5 Ton capacity tower type air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, required switchgears and continuous earthing, maintaining the same during the function and including dismantling for one day. | 1 No | 6641 |
| 850 | HIR-00266 | ELEC-12.1.26 | Hire charges for providing 6.5Ton/7.5Ton capacity tower type air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature | 1 No | 7849 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | connected along with necessary mains,required switchgears and continuous earthing, maintaining the same during the function and including dismantling for one day. | | |
| 851 | HIR-00267 | ELEC-12.1.27 | Hire charges for providing, maintaining and operating temporary public address system on hire consisting 02 Nos. solid state heavy wattage amplifier 250 watts (one for working and another for stand by emergency) working on AC / generator and 24 volt car battery supply, 06 Nos. of matching of 100 volt line (200 watts) box type speakers/sound column, 02 Nos super sensitive microphone with suitable size of microphone holding stand. The system shall be in a fully automatic change over operation in case of failure of supply for one day. | 1 No | 8663 |
| 852 | HIR-00268 | ELEC-12.1.28 | Hire charges for providing and maintaining temporary additional box type speaker of 100 Volt line (100 watts) for one day. | 1 No | 404 |
| 853 | HIR-00269 | ELEC-12.1.29 | Hire charges for providing and maintaining temporary cordless (Hand type or lape type) super sensitive HUF microphone (1 no stand by) for one day. | 1 No | 2807 |
| 854 | HIR-00270 | ELEC-12.1.30 | Providing temporary line matching transformer (40-XT) for speakers having distance more than 60 Mtrs from Amplifiers and maintaining the same for one day. | 1 No | 231 |
| 855 | HIR-00271 | ELEC-12.1.31 | Hire charges for providing, maintaining and operating fingertip switcher of 8 ways to operate the public address system between dias and participants in the hall with necessary cabling, wiring etc for one day. | 1 No | 2888 |
| 856 | HIR-00272 | ELEC-12.1.32 | Hire charges providing and maintaining all in one desktop PC with following configuration Intel TM second generation core i3 G630,2GB DDR3 RAM, 1TB HARD DISK, DVDR W optical drive 20" LED screen, web camera, wifi, bluetooth, keyboard and mouse, media card reader etc for one day. | 1 No | 1155 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 857 | HIR-00273 | ELEC-12.1.33 | Hire charges providing and maintaining Laser Printer, resolution (in dpi) mono 600, paper size A4, print speed in PPM (A4 size) 25, Port: 1 USB, memory (in MB): NA network card 10/100:YES, Duplexing: YES etc for one day. | 1 No | 347 |
| 858 | HIR-00274 | ELEC-12.1.34 | Hire charges for providing and maintaining 1 KVA on line UPS pure sine wave suitable for 30 minutes battery backup to provided computer with necessary interconnecting cabling, wiring etc for one day. | 1 No | 1906 |
| 859 | HIR-00275 | ELEC-12.1.35 | Hire cahres for providing and maintaining temporary 1400 VA to 1600 VA digital pure sine wave Invertor based on IGBT technology suitable for 120 minutes battery backup to electrical installation with necessary interconnecting cabling, wiring etc for one day. | 1 No | 1155 |
| 860 | HIR-00276 | ELEC-12.1.36 | Hire charges for supply and fixing distribution main board consisting of 400A/250A 4pole MCCB with bus bar arrangement 12 Nos 63A fuse units as out going including conveyance of all materials and all labour charges etc., complete for one day. | 1 No | 1555 |
| 861 | HIR-00277 | ELEC-12.1.37 | Hire charges for Supply & Fixing of Distribution board of load main board consisting of 400A MCCB 4 pole with Busbar arrangement and 12 Nos 63A fuse units as out going including conveyance of all materials and all labour charges etc., complete for one day. | 1 No | 1587 |
| 862 | HIR-00278 | ELEC-12.1.38 | Hire charges for Supply & Fixing of Distribution board of load main board consisting of 250A MCCB 4 pole with Busbar arrangement and 12 Nos 63A fuse units as out going including conveyance of all materials and all labour charges etc., complete for one day. | 1 No | 1523 |
| 863 | HIR-00279 | ELEC-12.1.39 | Hire charges for supply and maintaining towards supply and fixing of 200A 4 pole Changeover / TPN switches including erection and dismantling and cost and conveyance of all materials and labour charges complete for one day. | 1 No | 353 |
| 864 | HIR-00280 | ELEC-12.1.40 | Hire charges for supply and fixing distribution main board consisting of 400A/250A 4pole change | 1 No | 1504 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | over switch with bus bar arrangement 12 Nos 63A fuse units as out going including conveyance of all materials and all labour charges etc., complete for one day. | | |
| 865 | HIR-00281 | ELEC-12.1.41 | Hire charges for supply and fixing distribution main board consisting of 250A 4pole change over switch with bus bar arrangement 12 Nos 63A fuse units as out going including conveyance of all materials and all labour charges etc., complete for one day. | 1 No | 1452 |
| 866 | HIR-00282 | ELEC-12.1.42 | Hire charges for Supply and maintaining towards supply and fixing of 4 way TPN DB with 1 No 125 TP MCCB and 12Nos 6-32A 10kA SP MCBs including erection and dismantling and cost and conveyance of all materials and labour charges complete for one day. | 1 No | 1340 |
| 867 | HIR-00283 | ELEC-12.1.43 | Hire charges for Supply and maintaining towards supply and fixing of 6 way TPN DB with IP-43 Protection with 1 No 125 FP MCCB and 18Nos 6-32A 10kA SP MCBs including erection and dismantling and cost and conveyance of all materials and labour charges complete for one day. | 1 No | 1387 |
| 868 | HIR-00284 | ELEC-12.1.44 | Hire charges for providing industrial type panel board consisting of bus bar chamber with 200/250 amps incoming TP/MCCB as incomers switch, 12 nos 63 amps fuse unit, earth wire erected and dismantled all accessories etc., complete for one day. | 1 No | 536 |
| 869 | HIR-00285 | ELEC-12.1.45 | Hire charges for supply and installing and maintaining towards supply and run of 1 of 6/10 Sq.mm WPTC / 2 of WPSC / VIR cable with necessary terminations etc. complete for one day. | 1 Mtr | 6 |
| 870 | HIR-00286 | ELEC-12.1.46 | Hire charges for supply and installing and maintaining towards supply and run of 16 Sq.mm to 35 Sqmm x 3 1/2 core cable / 4 of single core 16 Sqmm to 35 Sqmm cable with necessary terminations etc. complete for one day. | 1 Mtr | 29 |
| 871 | HIR-00287 | ELEC-12.1.47 | Hire charges for supply and installing and maintaining towards supply and run of 50Sqmm to 95 Sq.mm x 3 1/2 core cable / 4 of single core 50Sqmm to 95Sqmm cable with necessary terminations etc. complete for one day. | 1 Mtr | 32 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 872 | HIR-00288 | ELEC-12.1.48 | Hire charges for supply and installing and maintaining towards supply and run of 50 Sqmm x 3 1/2 core cable / 4 of single core 50 Sqmm cable with necessary terminations etc. complete for one day. | 1 Mtr | 30 |
| 873 | HIR-00289 | ELEC-12.1.49 | Hire charges for supply and installing and maintaining towards supply and run of 95 Sq.mm x 3 1/2 core cable / 4 of single core 95Sqmm cable with necessary terminations etc. complete for one day. | 1 Mtr | 33 |
| 874 | HIR-00290 | ELEC-12.1.50 | Hire charges for supply and installing and maintaining towards supply and run of 120 Sq.mm x 3 1/2 core cable / 4 of single core 120 Sq.mm cable with necessary terminations etc. complete for one day. | 1 Mtr | 34 |
| 875 | HIR-00291 | ELEC-12.1.51 | Hire charges for supply and installing and maintaining towards supply and run of 185 Sq.mm x 3 1/2 core cable / 4 of single core 185 Sq.mm cable with necessary terminations etc. complete for one day. | 1 Mtr | 37 |
| 876 | HIR-00292 | ELEC-12.1.52 | Hire chages for Supply and erection of MS Single pole structure of 20' (6.00 Mtrs.) with necessary cross arms and hardware materials for fixing halogen / Metal halide fittings etc., and dismantling and cost and conveyance of all materials and all labour charges complete for one day. | 1 No | 1814 |
| 877 | HIR-00293 | ELEC-12.1.53 | Hire charges for Supply and erection of 4 pole structure of 4 of 25' (7.50 Mtrs.) GI pipe of 63/80mm dia with necessary cross arms and hardware materials for fixing halogen / Metal halide fittings with suitable earthing arrangements and dismantling and cost and conveyance of all materials and all labour charges complete for one day. | 1 No | 2407 |
| 878 | HIR-00294 | ELEC-12.1.54 | Hire charges for Supply and erection of 6 pole structure of 6 of 25' (7.50 Mtrs.) GI pipe of 63/80mm dia with necessary cross arms and hardware materials for fixing halogen / Metal halide fittings with suitable earthing arrangements and dismantling and cost and conveyance of all materials and all labour charges complete for one day. | 1 No | 3619 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 879 | HIR-00295 | ELEC-12.1.55 | Hire charges for providing, commissioning and maintaining CCTV system with 8 channel NVR, IP video/audio input - 1 no, IP based 2.0 MP, Full HD, IR IP dome camera - 2 nos, IP based 2.0 MP, Full HD, IR IP PTZ camera - 2 nos, 2TB Hard Disk - 2 no, 32" Full H D professional Display - 1 no, 8 port PoE Switch - 1 no, Power supply unit to camera - 1 no, On Line UPS - 1 no with necessary mains, switchgears for one day | 1 Job | 8247 |
| 880 | HIR-00296 | ELEC-12.1.56 | Hire charges for providing, commissioning and maintaining IP based 2.0 MP, full HD, IR IP dome / bullet camera with necessary Cat 6 cables etc., for one day. | 1 No | 1023 |
| 881 | HIR-00297 | ELEC-12.1.57 | Hire charges for providing, commissioning and maintaining IP based 2.0 MP, Full HD, IR IP PTZ camera with necessary Cat 6 cables etc., for one day. | 1 No | 2841 |
| | | Note:- | 1) The Rates for all the items are for one glowing / working day | | |
| | | | 2) Allow 50% of the rate for each day upto 3 days (i.e, 2nd and 3rd day) (Except items 12.1.23 to 12.1.26) . | | |
| | | | 3) For each additional day after 3 days, but not exceeding 15 days, allow 25% rate. | | |
| | | | 4) For more than 15 days allow 10% per day but total rental charges shall not exceed 80% of the capital cost of the item. | | |
| | | | 5) For item no. 12.1.22 the rates of projector is for 1 function or for max. period of 1 day whichever is more, including transportation, connections with projector, operator till completion of function. | | |
| | | | 6) For item No 12.1.23 to 12.1.26, the rate is for one day, For subsequent days (i.e, 2nd to 8th day) allow 75% of the above rate, after 8th day allow 50% the rate. | | |
| | | | 12.2 Hiring of Generators | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 882 | HIR-00298 | ELEC-12.2.1 | Hire charges for supplying and maintaining 62.5KVA, 415V, 50 cycles A.C.Generating set with acoustic enclosure as per IS Specification with DCM 4 Wheeler Vehicle with all standard accessories such as control panel, batteries etc. complete excluding cost of fuel, for one day. | 1 No | 8241 |
| 883 | HIR-00299 | ELEC-12.2.2 | Hire charges for supplying and maintaining 125KVA 415V 50 cycles A.C.Generating set with acoustic enclosure as per IS Specification with DCM 4 Wheeler Vehicle with all standard accessories such as control panel, batteries etc. complete excluding cost of fuel, for one day. | 1 No | 9419 |
| 884 | HIR-00300 | ELEC-12.2.3 | Hire charges for supplying and maintaining 250KVA 415V 50 cycles A.C.Generating set with acoustic enclosure as per IS Specification with DCM 4 Wheeler Vehicle with all standard accessories such as control panel, batteries etc. complete excluding cost of fuel, for one day. | 1 No | 13192 |
| | | Note:- | 1) Above rates are applicable for per one day only. | | |
| | | | 2) For subsequent days the above rate shall be reduced by 25% after 8th day reduce the rate by 50% | | |
| | | | 3) Diesel cost will be paid extra for running hours at the prevailing rates. | | |
| | | | 4) For test run,. The minimum requirement of the fuel shall be born by the contractor. | | |
| | | | 5) The D.G set should be in good conditin and the life of set shall not be beyond 10 years. | | |
| | | 13.1 | LIFTS (New Installation) | | |
| 885 | MAT-08534 | ELEC-13.1.1 | Supply, Installation, Testing and Commissioning of Electric Traction Passenger Lift of Makes : As per list of recommended brands. with <ul style="list-style-type: none"> • Rated capacity :- 8 Passenger/544Kg • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MRL • Rated speed :- 1.0/1.25mps VS • Doors type :- COPO/TOPO Doors with frame | 1Job | 1218310 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>having clear opening of 800 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/frames</p> <ul style="list-style-type: none"> Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor <p>Clear Car size of .....mm wide x .....mm deep x .....mm high</p> | | |
| | | | <ul style="list-style-type: none"> LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class ARD complete with necessary SMF VRLA batteries Fireman controller having fireman switch at fire Landing, Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <ul style="list-style-type: none"> Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work | | |
| | | | <p>Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT.</p> <ul style="list-style-type: none"> Lift shaft available having clear size of .....mm wide x .....mm deep. ....mm Pit depth, .....mm Overhead. | | |
| 886 | MAT-08535 | ELEC-13.1.2 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Passenger Lift of Makes : As per list of recommended brands.</p> <p>with</p> <ul style="list-style-type: none"> Rated capacity :- 10 Passenger/680Kg Floors :- G+1 floor (2Stops/2 Landings) Travel :- 3 to 4.2 mtrs Location of Lift Machine:- MRL Rated speed :- 1.0/1.25mps VS Doors type :- COPO/TOPO Doors with frame having clear opening of 800 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/frames Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor. | 1Job | 1457395 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Clear Car size of .....mm wide x .....mm deep x .....mm high | | |
| | | | <ul style="list-style-type: none"> • LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings • Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/ control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class • ARD complete with necessary SMF VRLA batteries • Fireman controller having fireman switch at fire Landing. • Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength. • Other mechanical parts such as 'T' section adequate size guiderails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work | | |
| | | | <ul style="list-style-type: none"> • Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT. • Lift shaft available having clear size of .....mm wide x .....mm deep, .....mm Pit depth, ,mm Overhead. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 887 | MAT-08536 | ELEC-13.1.3 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Passenger Lift of Makes : As per list of recommended brands.</p> <p>with</p> <ul style="list-style-type: none"> • Rated capacity :- 13 Passenger/884Kg • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs. • Location of Lift Machine:- MRL • Rated speed :- 1.0/1.25mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 900/1000 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/ frames • Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor • Clear Car size of .....mm wide x ....mm deep x .....mm high | 1Job | 1555950 |
| | | | <ul style="list-style-type: none"> • LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings • Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor /control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>ARD complete with necessary SMF VRLA batteries</p> <ul style="list-style-type: none"> • Fireman controller having fireman switch at fire Landing, • Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength <p>Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work</p> | | |
| | | | <ul style="list-style-type: none"> • Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT. • Lift shaft available having clear size of .....mm wide x .....mm deep, .....mm Pit depth, .....mm Overhead | | |
| 888 | MAT-08537 | ELEC-13.1.4 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Passenger cum Stretcher/Hospital Lift of Makes : As per list of recommended brands. with</p> <ul style="list-style-type: none"> • Rated capacity :- 15 Passenger/1020Kg • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MRL • Rated speed :- 1.0/1.25mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 800/900/1000 mm wide x 2000mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves /frames • Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, | 1Job | 1823900 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor Clear Car size of .....mm wide x .....mm deep x .....mm high | | |
| | | | <ul style="list-style-type: none"> • LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings | | |
| | | | <ul style="list-style-type: none"> • Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/ control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class ARD complete with necessary SMF VRLA batteries • Fireman controller having fireman switch at fire Landing, • CCTV surveillance system comprises of 2nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for 60 days with 18" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge • Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work • Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery | | |
| | | | , adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT. • Lift shaft available having clear size of .....mm wide x .....mm deep ,mm Pit depth, ,mm Overhead | | |
| 889 | MAT-08538 | ELEC-13.1.5 | Supply, Installation, Testing and Commissioning of Electric Traction Passenger cum Stretcher/Hospital Lift of Makes : As per list of recommended brands. with • Rated capacity :- 20 Passenger/1360Kg • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MRL • Rated speed :- 1.0/1.25mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 1100/1200 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/frames • Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. • COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor • Clear Car size of .....mm wide x .....mm deep x | 1Job | 1823900 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | |mm high | | |
| | | | <p>LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings</p> <ul style="list-style-type: none"> • Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class ARD complete with necessary SMF VRLA batteries • Fireman controller having fireman switch at fire Landing, • CCTV surveillance system comprises of 2nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for 60 days with 18" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge. • Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength. | | |
| | | | <p>Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work</p> <ul style="list-style-type: none"> • Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | of girders for mounting lift machine etc. complete as per specification no. LFT. • Lift shaft available having clear size of .....mm wide x.....mm deep, .....mm Pit depth, .....mm Overhead. | | |
| 890 | MAT-08539 | ELEC-13.1.6 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Passenger Lift of Makes : As per list of recommended brands.</p> <p>with</p> <ul style="list-style-type: none"> • Rated capacity :- 22 Passenger/1496Kg • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MRL • Rated speed :- 1.0/1.25mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 1100 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/frames • Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor • Clear Car size of .....mm wide x .....mm deep x .....mm high • LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual | 1Job | 2231230 |
| | | | <p>indication at all landings</p> <p>Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control</p> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class</p> <ul style="list-style-type: none"> • ARD complete with necessary SMF VRLA batteries • Fireman controller having fireman switch at fire Landing, <p>Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength</p> <ul style="list-style-type: none"> • Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary | | |
| | | | <p>support arrangement, MS pit ladder etc. erected with necessary steel work</p> <p>Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT.</p> <ul style="list-style-type: none"> • Lift shaft available having clear size of .....mm wide x .....mm deep, .....mm Pit depth, .....mm Overhead. | | |
| 891 | MAT-08540 | ELEC-13.1.7 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Passenger cum Stretcher/Hospital Lift of Makes : As per list of recommended brands. with</p> <ul style="list-style-type: none"> • Rated capacity :- 26 Passenger/1768Kg • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MR • Rated speed :- 1.0/1.25mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 1100/1200 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, | 1Job | 1823900 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>thick in hairline finish for car and all landing doors with SS door architraves/frames</p> <ul style="list-style-type: none"> Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor Clear Car size of .....mm wide x .....mm deep x .....mm high | | |
| | | | <ul style="list-style-type: none"> LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class ARD complete with necessary SMF VRLA batteries Fireman controller having fireman switch at fire Landing, CCTV surveillance system comprises of 2nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for 60 days with 18" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge. Lift Machine of Gearless PMSM of suitable kW with | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts | | |
| | | | <p>of adequate size & strength</p> <ul style="list-style-type: none"> • Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work • Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT. • Lift shaft available having clear size of .....mm wide x.....mm deep, .....mm Pit depth, .....mm Overhead. | | |
| 892 | MAT-08541 | ELEC-13.1.8 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Goods Lift of Makes : As per list of recommended brands.</p> <p>with</p> <ul style="list-style-type: none"> • Rated capacity :- 3000Kg Goods/44 Passengers • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MR • Rated speed :- 0.6 to 1.0mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 1700 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/frames • Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. | 1Job | 2889490 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <ul style="list-style-type: none"> COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor Clear Car size of .....mm wide x .....mm deep x .....mm high LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with | | |
| | | | <p>CPI, Lift car arrival & next travel direction audio-visual indication at all landings</p> <ul style="list-style-type: none"> Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class ARD complete with necessary SMF VRLA batteries Fireman controller having fireman switch at fire Landing, Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength <p>Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter</p> | | |
| | | | <p>weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work</p> <ul style="list-style-type: none"> Minor civil work for alteration if any and erection of door frames and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT. • Lift shaft available having clear size of .....mm wide x.....mm deep, .....mm Pit depth, .....mm Overhead. | | |
| 893 | MAT-08542 | ELEC-13.1.9 | <p>Supply, Installation, Testing and Commissioning of Electric Traction Goods Lift of Makes : As per list of recommended brands.</p> <p>with</p> <ul style="list-style-type: none"> • Rated capacity :- 4000Kg Goods /59 Passengers • Floors :- G+1 floor (2Stops/2 Landings) • Travel :- 3 to 4.2 mtrs • Location of Lift Machine:- MR • Rated speed :- 0.6 to 1.0mps VS • Doors type :- COPO/TOPO Doors with frame having clear opening of 2100 mm wide x 2000 mm high made from SS 304 grade sheet of 1.5mm, thick in hairline finish for car and all landing doors with SS door architraves/frames • Lift car enclosure made from SS 304 grade sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. • COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with/without attendant key switch, OWD with audio-visual alarm, VAS in Telugu & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor <p>Clear Car size of .....mm wide x .....mm deep x .....mm high</p> <ul style="list-style-type: none"> • LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual | 1Job | 3199875 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>indication at all landings</p> <ul style="list-style-type: none"> • Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, control panel duly wired with proper size & strength copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class ARD complete with necessary SMF VRLA batteries • Fireman controller having fireman switch at fire Landing, • Lift Machine of Gearless PMSM of suitable kW with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength. Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work • Minor civil work for alteration if any and erection of door frames | | |
| | | | <p>and accessories, erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails fixing of girders for mounting lift machine etc. complete as per specification no. LFT.</p> <ul style="list-style-type: none"> • Lift shaft available having clear size of .....mm wide x.....mm deep, .....mm Pit depth, .....mm Overhead. | | |
| | | NOTE: | <p>1. The above rates are applicable only for the makes: KONE/OTIS/SCHINDLER/MITSUBISHI/JOHNSON.</p> | | |
| | | | <p>2. If the local reputed brands preferred by the Departments or Corporations, the makes Suryodaya Elevators/ESCO Lifts/Sunrise Lifts/ or any other make approved by the competent authority subject to the condition that the Specifications remains unchanged can be adopted in the estimate by</p> | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | reducing the price @15% less than the above rates. | | |
| | | | Add On | | |
| | | A | For Lift travelling up to six floors or at a speed of 1.0 mps, add as below, | | |
| 894 | MAT-08543 | 1 | For Lift having 700mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 150248 |
| 895 | MAT-08544 | 2 | For Lift having 800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, traveling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 154790 |
| 896 | MAT-08545 | 3 | For Lift having 900mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 160195 |
| 897 | MAT-08546 | 4 | For Lift having 1000mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling | 1Floor | 165025 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safefunctioning of lift installation complete | | |
| 898 | MAT-08547 | 5 | For Lift having 1100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landingdoors with all accessories etc. necessary for the normal safefunctioning of lift installation complete | 1Floor | 169970 |
| 899 | MAT-08548 | 6 | For Lift having 1200mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 175835 |
| 900 | MAT-08549 | 7 | For Lift having 1300mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two/four panel], this includes all necessary accessories like LOP's with UP/DN buttons- arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landingdoors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 181240 |
| 901 | MAT-08550 | 8 | For Lift having 1400mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two/four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories | 1Floor | 186760 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | etc. necessary for the normal safe functioning of lift installation complete | | |
| 902 | MAT-08551 | 9 | For Lift having 1500mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 196190 |
| 903 | MAT-08552 | 10 | For Lift having 1700mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 205735 |
| 904 | MAT-08553 | 11 | For Lift having 1800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 216200 |
| 905 | MAT-08554 | 12 | For Lift having 2100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 235520 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 906 | MAT-08555 | 13 | For Lift having 2200mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 243685 |
| | | A1 | For Lift travelling above six floors & up to fifteen floors or at a speed of 1.5 mps, add as below, | | |
| 907 | MAT-08556 | 1 | For Lift having 700mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 156975 |
| 908 | MAT-08557 | 2 | For Lift having 800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 161805 |
| 909 | MAT-08558 | 3 | For Lift having 900mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 167440 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 910 | MAT-08559 | 4 | For Lift having 1000mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 172385 |
| 911 | MAT-08560 | 5 | For Lift having 1100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 177560 |
| 912 | MAT-08561 | 6 | For Lift having 1200mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 183770 |
| 913 | MAT-08562 | 7 | For Lift having 1300mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two/four panel], this includes all necessary accessories like LOP's with UP/DN buttons- arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 189290 |
| 914 | MAT-08563 | 8 | For Lift having 1400mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two/four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting | 1Floor | 195040 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | | |
| 915 | MAT-08564 | 9 | For Lift having 1500mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 204815 |
| 916 | MAT-08565 | 10 | For Lift having 1700mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 214935 |
| 917 | MAT-08566 | 11 | For Lift having 1800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 225745 |
| 918 | MAT-08567 | 12 | For Lift having 2100mm wide x 2000mm high clear entrance 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | 1Floor | 245985 |
| 919 | MAT-08568 | 13 | For Lift having 2200mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories | 1Floor | 254610 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete | | |
| | | A2 | For Lift travelling above fifteen floors & up to twenty floors or at a speed of 1.75 mps, add as below, | | |
| 920 | MAT-08569 | 1 | For Lift having 800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 166520 |
| 921 | MAT-08570 | 2 | For Lift having 900mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 172385 |
| 922 | MAT-08571 | 3 | For Lift having 1000mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 177445 |
| 923 | MAT-08572 | 4 | For Lift having 1100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, | 1Floor | 182850 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | landing doors with all accessories etc. complete for the safe functioning of lift installation. | | |
| 924 | MAT-08573 | 5 | For Lift having 1200mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 189175 |
| 925 | MAT-08574 | 6 | For Lift having 1300mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two/four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 194925 |
| 926 | MAT-08575 | 7 | For Lift having 1400mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Two/four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 200790 |
| 927 | MAT-08576 | 8 | For Lift having 1500mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 210795 |
| 928 | MAT-08577 | 9 | For Lift having 1700mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's | 1Floor | 221375 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | with UP/DN buttons-arrows-indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | | |
| 929 | MAT-08578 | 10 | For Lift having 1800mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Four panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 188255 |
| 930 | MAT-08579 | 11 | For Lift having 2100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 253460 |
| 931 | MAT-08580 | 12 | For Lift having 2200mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring 1.5mm thick SS 304 grade landing door [Six panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrows- indicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope, landing doors with all accessories etc. complete for the safe functioning of lift installation. | 1Floor | 261970 |
| | | B | If there is additional automatic car door, add as below. | | |
| 932 | MAT-08581 | 1 | For Lift car having 700mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two panel] complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 124430 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 933 | MAT-08582 | 2 | For Lift car having 800mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two panel] complete with required accessories like door operator mechanism with drive, required Aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 128225 |
| 934 | MAT-08583 | 3 | For Lift car having 900mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two panel] complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 132710 |
| 935 | MAT-08584 | 4 | For Lift car having 1000mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two panel]complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 137080 |
| 936 | MAT-08585 | 5 | For Lift car having 1100mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two panel]complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete | 1Set | 141220 |
| 937 | MAT-08586 | 6 | For Lift car having 1200mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two panel]complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 146280 |
| 938 | MAT-08587 | 7 | For Lift car having 1300mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two/four panel] complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 150995 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 939 | MAT-08588 | 8 | For Lift car having 1400mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [Two/four panel]complete with required accessories like door operator mechanism with drive, required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 155480 |
| 940 | MAT-08589 | 9 | For Lift car having 1500mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [four panel] complete with required accessories like door operator mechanism with drive,required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 163185 |
| 941 | MAT-08590 | 10 | For Lift car having 1700mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [four panel] complete with required accessories like door operator mechanism with drive,required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 172270 |
| 942 | MAT-08591 | 11 | For Lift car having 1800mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [four panel] complete with required accessories like door operator mechanism with drive,required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 180780 |
| 943 | MAT-08592 | 12 | For Lift car having 2100mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [six panel] complete with required accessories like door operator mechanism with drive,required aluminium sill, infrared curtain & necessary wiring with interlocking arrangement etc. complete. | 1Set | 197570 |
| 944 | MAT-08593 | 13 | For Lift car having 2200mm wide x 2000mm high clear entrance having 1.5mm thick SS 304 grade sheet car door [six panel] complete required aluminium sill, infrared curtain & necessary wiring interlocking arrangement etc. complete. | 1Set | 205160 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | C | For Full Collective control system, add as below. | | |
| 945 | MAT-08594 | 1 | For Lift travelling above First floor & up to Sixth floor | 1No | 29590 |
| 946 | MAT-08595 | 2 | For Lift travelling above Sixth floor & up to Fifteenth floor | 1No | 67760 |
| 947 | MAT-08596 | 3 | For Lift travelling above Fifteenth floor & up to Twentieth floor | 1No | 88880 |
| | | | | | |
| 948 | MAT-08597 | D | For additional 2MP Camera along with necessary accessories at Home Landing, add as given. | 1No | 14630 |
| | | E | For Group control system of number of lifts, add as below. | | |
| 949 | MAT-08598 | 1 | For Duplex Lift control system | 1Job | 37620 |
| 950 | MAT-08599 | 2 | For Triplex Lift control system | 1Job | 56210 |
| 951 | MAT-08600 | 3 | For Quadruplex Lift control system | 1Job | 75790 |
| 952 | MAT-08601 | F | For vision panel having Size 100mm wide x 200mm high covered with fire rated laminated glass, having punched Jali as a part of the door panel SS sheet itself. | 1No | 2970 |
| | | G | The above rates are for landing & car door height of 2000mm and Lift car ceiling height of 2250mm. If the requirements for landing & car doors height above 2000mm & Lift car height above 2250mm, add overall Rs. per 100mm rise per Lift per landing. | | |
| | | a | For Lift car enclosure & car door per 100mm Step rise | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|---------------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 953 | MAT-08602 | 1 | for Lift car door, having clear entrance of 700/800/900mm wide | 1 per Landing | 48730 |
| 954 | MAT-08603 | 2 | for Lift car door, having clear entrance 1000/1100/1200/1300mm wide | 1 per Landing | 66770 |
| 955 | MAT-08604 | 3 | for Lift car door, having clear entrance 1400/1500/1700mm wide | 1 per Landing | 117040 |
| 956 | MAT-08605 | 4 | for Lift car door, having clear entrance 1800/2100/2200mm wide | 1 per Landing | 198880 |
| | | b | For Lift Landings per 100mm Step rise | | |
| 957 | MAT-08606 | 1 | for Lift Landing door having clear entrance of 700/800/900mm wide | 1 per Landing | 12210 |
| 958 | MAT-08607 | 2 | for Lift Landing door, having clear entrance of 1000/1100/1200/1300mm wide | 1 per Landing | 16610 |
| 959 | MAT-08608 | 3 | for Lift Landing door, having clear entrance of 1400/1500/1700mm wide | 1 per Landing | 26290 |
| 960 | MAT-08609 | 4 | for Lift Landing door, having clear entrance of 1800/2100/2200mm wide | 1 per Landing | 39380 |
| | | Notes: | | | |
| | | 1 | General: - Job includes entire procedure of obtaining all necessary erection permissions & "License to Work the Lift" from Electrical Inspector(Lifts) with submission to the Engineer In Charge. | | |
| | | 2 | Warrantee: - Job covers two years onsite warrantee for all the Lift parts with FCAMC as per the maintenance schedule. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Note 1 and 2 above shall be included in item description. | | |
| | | 3 | If the lift shaft is greater than the required size of the lift as mentioned in relevant Indian Standard [with Amendments up to date], the provision of extra steel required for erecting supports of guide rails shall be made by the department as a separate item | | |
| | | 4 | The Electric power supply of 415 volts, 3 phase 4 wire,50Hz shall be made available up to Lift controller, and as per the provisions laid down in relevant The Electricity Safety Regulations 2010[with Amendments up to date], Indian Standard, relevant Rules, the separate cables for lighting and power & shall be erected through lift shaft only with 2nos distinct earth connections from lift machine & controller | | |
| | | 5 | The technical specification of Lift duty motor, control panel, brakes, guide rails, and guide shoes, lift car frame, car, counter weight and suspension, lift safety gear and governor, buffer, lift doors, locking device and contacts, lift wire rope of lifts shall be as per actual requirement of the job. | | |
| | | 6 | For nonstandard lift shafts the Lift capacity shall be selected so that all the safety clearances to be maintained as per the provisions laid down in relevant Indian Standard, & relevant Rules and work shall be carried out accordingly | | |
| | | 7 | For building having height of 15 mtr or more, lift shall meet the requirement of fireman lift as per the statutory requirements laid in relevant Indian Standard | | |
| | | 8 | Vision Panel shall not be provided on power operated doors and Fireman lifts. However manually operated vertically sliding ,horizontally sliding or swing type doors may be provided with a vision panel if required | | |
| | | 9 | While framing estimates of lifts for handicapped persons/ Hospital/Goods Lifts, the relevant Indian standard shall be referred for dimensions. | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 10 | The sizes in mm for Lift car, entrance, available lift Shaft etc. with travel shall be mentioned in the Detailed Estimate | | |
| | | 11 | The above rates are for mostly installed Electric Traction Lifts, for Lift requirements with different purposes/ specifications, the items should be got approved from the competent authority | | |
| | | 12 | The Traffic Analysis [TA] shall be done as per the provisions laid down in relevant Indian standards for finalizing the capacity and number of Lifts in different types of buildings. | | |
| | | | 13.2: LIFT REPAIR/MODERNIZATION | | |
| | | | LIFT MACHINE | | |
| 961 | MAT-08610 | ELEC-13.2.1 | Overhauling of Gearbox by opening the gear box, cleaning the oil path with oil adjusting the Thrust bearing, & bush with packings etc. and refilling with the fresh oil of requisite viscosity and sufficient quantity, complete with re-erection as original with necessary alignment & testing. | 1Job | 6600 |
| 962 | MAT-08611 | ELEC-13.2.2 | Providing dismantling the existing worn-out/damaged Thrust bearing & bush with allied accessories complete supplying & installing new Thrust bearing & Bush with allied accessories like packings etc. and refilling with the fresh gear oil of requisite viscosity and sufficient quantity, complete suitable up to 10 passenger lift car with re-erection as original with necessary alignment & testing | 1Job | 16500 |
| 963 | MAT-08612 | ELEC-13.2.3 | Providing dismantling the existing lift duty electric motor from lift gearbox coupling to carryout necessary repairs and re-erection the same as original with necessary alignment & testing complete after repairing | 1Job | 3300 |
| 964 | MAT-08613 | ELEC-13.2.4 | Providing rewinding of the electromagnetic type brake coil suitable to operate on 110V DC supply by superior quality enamelled copper wire of require size complete with testing | 1Job | 4950 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 965 | MAT-08614 | ELEC-13.2.5 | Providing and fixing new set brake liner of good quality complete with alignment & testing with removal of old worn-out brake liners | 1Job | 2750 |
| 966 | MAT-08615 | ELEC-13.2.6 | Providing dismantling the existing main driving sheave complete by hanging the lift car and providing and fixing a new main driving sheave made from superior quality cast iron completely finished having diameter up to 600mm suitable up to 4nos rope grooves the size for the same will be specified in the estimate | 1Job | 15950 |
| 967 | MAT-08616 | ELEC-13.2.7 | Providing dismantling the existing main driving sheave complete by hanging the lift car and providing and fixing a new main driving sheave made from superior quality cast iron completely finished having diameter 601 to 800mm suitable up to 4nos rope grooves . | 1Job | 20350 |
| 968 | MAT-08617 | ELEC-13.2.8 | Providing dismantling the existing diverter sheave complete by hanging the lift car and providing and fixing a new diverter sheave made from superior quality cast iron completely finished having diameter up to 250mm suitable up to 4nos rope grooves. | 1Job | 11440 |
| 969 | MAT-08618 | ELEC-13.2.9 | Providing dismantling the existing diverter sheave complete by hanging the lift car and providing and fixing a new diverter sheave made from superior quality cast iron completely finished having diameter 251 to 500mm suitable up to 4nos rope grooves. | 1Job | 12980 |
| 970 | MAT-08619 | ELEC-13.2.10 | Providing dismantling the existing OSG pulley set (top & bottom) complete and providing and fixing overspeed governor pulley set (top& bottom) made from superior quality cast iron completely finished suitable for Lift car rated speed. | 1Job | 11220 |
| 971 | MAT-08620 | ELEC-13.2.11 | Providing dismantling the existing OSG rubber roller complete,providing and fixing new nylon roller of superior quality. | 1Job | 440 |
| | | | LIFT CAR | | |
| 972 | MAT-08621 | ELEC-13.2.12 | Providing dismantling the existing lift car/counter weight guide shoe liner and providing and fixing new superior quality non-metallic car/counter weight | 1Job | 3190 |

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|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | guide shoe Liner complete with re-erection,alignment & adjustment complete with lubrication | | |
| 973 | MAT-08622 | ELEC-13.2.13 | Providing dismantling the existing unserviceable retiring cam (Door)by supplying & erecting new one of superior quality with necessary spare complete with re-erection and testing etc. with copper wound magnetic coil of 110V DC supply. | 1Job | 5060 |
| 974 | MAT-08623 | ELEC-13.2.14 | Providing dismantling the existing deteriorated lift car flooring/floor tiles by supplying & erecting SS chequered plate of required thickness and of superior quality with necessary material | 1Kg | 550 |
| 975 | MAT-08624 | ELEC-13.2.15 | Providing dismantling the existing deteriorated lift car enclosure by supplying & erecting new enclosure made from 1.5mm thick stainless steel sheet SS304 grade of superior quality with necessary material complete with handrail, mirror, required thickness stainless steel chequered plate flooring and min. 2.5mm thick GI sheet car top &stainless steel 304grade 1.2mm thick false ceiling & required LED light fitting & cabin fan/blower, emergency light with necessary grill along with required accessories suitable for 4 to 8 passenger lift car | 1Job | 167310 |
| 976 | MAT-08625 | ELEC-13.2.16 | Providing dismantling the existing deteriorated lift car enclosure by supplying & erecting new enclosure made from 1.5mm thick stainless steel sheet SS304 grade of superior quality with necessary material complete with handrail, mirror, required thickness stainless steel chequered plate flooring and min. 2.5mm thick GI sheet car top & stainless steel 304grade 1.2mm thick false ceiling & required LED light fitting & cabin fan/blower, emergency light with necessary grill along with required accessories suitable for 10 to 13 passenger lift | 1Job | 201520 |
| 977 | MAT-08626 | ELEC-13.2.17 | Providing dismantling the existing deteriorated lift car enclosure by supplying & erecting new enclosure made from 1.5mm thick stainless steel sheet SS304 grade of superior quality with necessary material complete with handrail, mirror, required thickness stainless steel chequered plate flooring and min. 2.5mm thick GI sheet car top &stainless steel 304grade 1.2mm thick false ceiling & required | 1Job | 234850 |

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|---------|---------------------|--------------|--|-------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | LED light fitting & cabin fan/blower, emergency light with necessary grill along with required accessories suitable for 14 to 16 passenger lift car | | |
| 978 | MAT-08627 | ELEC-13.2.18 | Providing dismantling the existing deteriorated lift car enclosure by supplying & erecting new enclosure made from 1.5mm thick stainless steel sheet SS304 grade of superior quality with necessary material complete with handrail, mirror, required thickness stainless steel chequered plate flooring and min. 2.5mm thick GI sheet car top & stainless steel 304grade 1.2mm thick false ceiling & required LED light fitting & cabin fan/blower, emergency light with necessary grill along with required accessories suitable for 18 to 23 Passenger Lift Car | 1Job | 272250 |
| 979 | MAT-08628 | ELEC-13.2.19 | Providing dismantling the existing deteriorated Lift car enclosure by supplying & erecting new enclosure made from 1.5mm thick stainless steel sheet SS304 grade of superior quality with necessary material complete with handrail, mirror, required thickness stainless steel chequered plate flooring and min. 2.5mm thick GI sheet car top & stainless steel 304grade 1.2mm thick false ceiling & required LED light fitting & cabin fan/blower, emergency light with necessary grill along with required accessories suitable for 26 to 36 Passenger Lift Car | 1Job | 347490 |
| 980 | MAT-08629 | ELEC-13.2.20 | Supplying erecting & testing & commissioning minimum 2000mm high Infra-Red/IR curtain with minimum 80beams, suitable to attach automatic Lift car door complete with electronic driver suitable to work on 230V AC supply with required wiring & accessories complete connected to the lift controller safety circuit. including dismantling of existing accessories as applicable | 1No | 54670 |
| 981 | MAT-08630 | ELEC-13.2.21 | Supplying & erecting laminated type with minimum 6mm thick mirror conforming to relevant standard in the lift car complete pasting with necessary adhesives if required and fixing with SS frame & accessories complete, this job includes dismantling of existing accessories as applicable | 1Sqft | 550 |
| | | | LIFT SHAFT | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 982 | MAT-08631 | ELEC-13.2.22 | Providing Emergency Stop Switch as per IS [push to stop&pull/rotate clockwise to open] erected on GI box in pit/LMR /car top for maintenance work complete with necessary wires | 1No | 770 |
| 983 | MAT-08632 | ELEC-13.2.23 | Supplying & erecting over travel final/Terminal limit switch complete with nylon roller for up & down direction along with cams etc as required. | 1No | 2200 |
| 984 | MAT-08633 | ELEC-13.2.24 | Providing and fixing new magnetic reed switch with M.S. Flag for levelling the lift. Providing and fixing necessary magnet for the floor position indicator, providing and fixing electronics card with digital indicator, complete with re-erection including dismantling of existing accessories as applicable | 1No | 1100 |
| 985 | MAT-08634 | ELEC-13.2.25 | Supplying & erecting lift car door lock with electrical contact[spring loaded NO/NC of 5A/250V rating] complete unit with Bakelite roller attached to bracket on car top with M.S. "T" bracket attached to car gate complete with Testing including dismantling of existing accessories as applicable | 1No | 1100 |
| 986 | MAT-08635 | ELEC-13.2.26 | Supplying & erecting main suspension wire rope of 13mm dia.having 8/19 construction as per IS complete with termination in provided eye bolts including dismantling of existing accessories as applicable | 1Mt | 220 |
| 987 | MAT-08636 | ELEC-13.2.27 | Supplying & erecting main suspension wire rope of 10mm dia. having 8/19 construction as per IS complete with termination in provided eye bolts including dismantling of existing accessories as applicable | 1Mt | 220 |
| 988 | MAT-08637 | ELEC-13.2.28 | Supplying & erecting main suspension wire rope of 8mm dia.having 8/19 construction as per IS complete with termination in provided eye bolts including dismantling of existing accessories as applicable | 1Mt | 165 |
| 989 | MAT-08638 | ELEC-13.2.29 | Supplying & erecting wire rope of 3/4/6mm dia. having 6/19 construction as per IS complete with termination in provided eye bolts including dismantling of existing accessories as applicable | 1Mt | 110 |
| 990 | MAT-08639 | ELEC-13.2.30 | Supplying & erecting GI eye bolt suitable for tie up of min. 13mm dia. lift wire ropes with 4nos bull dog | 1No | 1650 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | clips 8/19 construction as per IS Complete with termination in provided eye bolts including dismantling of existing accessories as applicable | | |
| 991 | MAT-08640 | ELEC-13.2.31 | Supplying & erecting GI eye bolt suitable for tie up of 8/10mm dia.lift wire ropes with 4nos bull dog clips 8/19 construction as per IS Complete with termination in provided eye bolts including dismantling of existing accessories as applicable. | 1No | 1320 |
| | | | CAR & LANDING DOORS: | | |
| 992 | MAT-08641 | ELEC-13.2.32 | Repairing of M.S. collapsible landing/lift car door for broken rivets, pickets gibes, roller bearings complete with oiling etc. complete with re-erection, and alignment for smooth operation | 1Job | 990 |
| 993 | MAT-08642 | ELEC-13.2.33 | Supplying & erecting MS collapsible type perforate Car/Landingdoor with 50mm high 8mm thick MS pata at top with roller bearings & nylon gibes complete having adequate strength as per requirements with necessary alignment complete with having clear opening of 700/800mm in width and clear height not less than 2000mm including dismantling of existing door as applicable | 1Job | 9900 |
| 994 | MAT-08643 | ELEC-13.2.34 | Supplying & erecting MS collapsible type perforate Car/Landingdoor with 50mm high 8mm thick MS pata at top with roller bearings & nylon gibes complete having adequate strength as per requirements with necessary alignment complete with having clear opening of 1000/1200mm in width and clear height not less than 2000mm including dismantling of existing door as applicable | 1Job | 11770 |
| 995 | MAT-08644 | ELEC-13.2.35 | Supplying & erecting MS Collapsible type imperforate Car/Landing door with 50mm high 8mm thick MS pata at top with roller bearings & Nylon gibes complete having adequate strength as per requirements with necessary alignment complete with grassing Note for Imperforate door the thickness of CRCA sheet not less than 1.mm having clear opening of 700/800mm in width and clear height not less than 2000mm, including dismantling of existing door as | 1Job | 15400 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | applicable | | |
| 996 | MAT-08645 | ELEC-13.2.36 | Supplying & erecting COPO car/landing door panels with frame made from 1.5mm thick SS 304grade sheet complete with necessary coupler arrangements, nylon bearings at hanger with header assembly with all required accessories with electromechanical lock & nylon coated guide shoes complete having adequate strength as per requirements with necessary alignment complete with greasing having clear opening of 700mm in width and clear height not less than 2000mm, including dismantling of existing door as applicable. | 1Job | 68970 |
| 997 | MAT-08646 | ELEC-13.2.37 | Supplying & erecting COPO car/landing door panels with frame made from 1.5mm thick SS 304grade sheet complete with necessary coupler arrangements, nylon bearings at hanger with header assembly with all required accessories with electromechanical lock & nylon coated guide shoes complete having adequate strength as per requirements with necessary alignment complete with greasing having clear opening of 800mm in width and clear height not less than 2000mm, including dismantling of existing door as applicable | 1Job | 73920 |
| 998 | MAT-08647 | ELEC-13.2.38 | Supplying & erecting COPO car/landing door panels with frame made from 1.5mm thick SS 304grade sheet complete with necessary coupler arrangements, nylon bearings at hanger with header assembly with all required accessories with electromechanical lock & nylon coated guide shoes complete having adequate strength as per requirements with necessary alignment complete with greasing having clear opening of 900mm in width and clear height not less than 2000mm, including dismantling of existing door as applicable | 1Job | 83820 |
| 999 | MAT-08648 | ELEC-13.2.39 | Supplying & erecting COPO car/landing door panels with frame made from 1.5mm thick SS 304grade sheet complete with necessary coupler arrangements, | 1Job | 95480 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | nylon bearings at hanger with header assembly with all required accessories with electromechanical lock & nylon coated guide shoes complete having adequate strength as per requirements with necessary alignment complete with greasing having clear opening of 1000mm in width and clear height not less than 2000mm, including dismantling of existing door as applicable | | |
| 1000 | MAT-08649 | ELEC-13.2.40 | Supplying & erecting COPO car/landing door panels with frame made from 1.5mm thick SS 304 grade sheet complete with necessary coupler arrangements, nylon bearings at hanger with header assembly with all required accessories with electromechanical lock & nylon coated guide shoes complete having adequate strength as per requirements with necessary alignment complete with greasing having clear opening of 1200mm in width and clear height not less than 2000mm, including dismantling of existing door as applicable | 1Job | 108900 |
| 1001 | MAT-08650 | ELEC-13.2.41 | Providing & fixing aluminium sill with 1 track suitable for fixing of car/ landing door with necessary material like MS brackets, fasteners complete with alignment, including dismantling of existing door as applicable | 1Mt | 1155 |
| 1002 | MAT-08651 | ELEC-13.2.42 | Providing & fixing aluminium Sill with 2 track suitable for fixing of car/ landing door with necessary material like MS brackets, fasteners complete with alignment, including dismantling of existing door as applicable | 1Mt | 1540 |
| 1003 | MAT-08652 | ELEC-13.2.43 | Providing & fixing landing door gate lock of superior quality with necessary adjustable operating lever complies with the relevant IS suitable for swing or collapsible type landing doors | 1No | 4400 |
| 1004 | MAT-08653 | ELEC-13.2.44 | Providing & fixing landing/Car gate movable contact electrical switch of superior quality complies with the relevant IS suitable for all type of landing/car doors | 1No | 165 |
| 1005 | MAT-08654 | ELEC-13.2.45 | Providing & fixing LOP with single push button with metallic top & Braille Coded suitable for UP/DN having luminous glow indicator around button with MS box & 3mm thick SS face plate with screws with UP & DN button & digital CPI (suitable for 1 digits) complete with necessary connections, including | 1No | 4840 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | dismantling of existing door as applicable | | |
| 1005 | MAT-08655 | ELEC-13.2.46 | Providing & fixing LOP with two push button with metallic top & Braille coded suitable for UP/DN having luminous glow indicator around button with MS box & 3mm thick SS face plate with screws with UP & DN button & digital CPI (suitable for 2digits) complete with necessary connections, including dismantling of existing door as applicable | 1No | 5830 |
| 1006 | MAT-08656 | ELEC-13.2.47 | Providing & fixing COP with push buttons having luminous glow indicator around button suitable for G+7 floors with push buttons with metallic top & Braille coded suitable for door close, door open, alarm bell, stop, light, fan, intercom etc, FPI, with MS box & 3mm thick SS face Plate with UP & DN arrows & digital FPI (suitable for 2digits) complete with necessary connections, including dismantling of existing COP as applicable | 1No | 17930 |
| 1007 | MAT-08657 | ELEC-13.2.48 | Providing & fixing push button suitable with micro switch with push button on existing COP/LOP with necessary connections and testing complete including dismantling of existing button accessories as applicable | 1No | 1045 |
| 1008 | MAT-08658 | ELEC-13.2.49 | Providing & fixing 40mm high fixing digital indicator module of gives indication of required shade with connections and testing complete including dismantling of existing accessories as applicable | 1No | 1320 |
| 1009 | MAT-08659 | ELEC-13.2.50 | Providing & fixing car door operator motor with assembly of suitable capacity & speed with necessary pulleys & required accessories complete including dismantling of existing accessories as applicable | 1No | 26400 |
| 1010 | MAT-08660 | ELEC-13.2.51 | Providing & fixing hydraulic type landing door closer suitable for swing door with necessary material complete, including dismantling of existing accessories as applicable | 1No | 1375 |
| 1011 | MAT-08661 | ELEC-13.2.52 | Providing & fixing car/landing door guide shoe liner/gibes complete with necessary material like nylon coating complete including dismantling of existing accessories as applicable | 1 door | 660 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | CONTROLLER | | |
| 1012 | MAT-08662 | ELEC-13.2.53 | Supplying erecting, testing & commissioning of electronic microprocessor/ PLC based collective-selective lift controller with closed loop logic suitable up to 5.5kW capacity lift duty motor without VVVF Drive and lift car travelling Gr+7 floors having manual operated doors complete erected on wall or floor made from 1.5mm thick CRCA sheet with powder coated enclosure having IP54 protection grade, including dismantling of existing accessories as applicable. | 1Job | 115280 |
| 1013 | MAT-08663 | ELEC-13.2.54 | Supplying erecting, testing & commissioning of electronic microprocessor/PLC based collective-selective lift controller with closed loop logic suitable up to 5.5kW capacity lift duty motor without VVVF Drive & lift car travelling Gr+7 floors having power operated doors complete erected on wall or floor made from 1.5mm thick CRCA sheet with powder coated enclosure having IP54 protection grade. including dismantling of existing accessories as applicable | 1Job | 137170 |
| 1014 | MAT-08664 | ELEC-13.2.55 | Supplying erecting, testing & commissioning of VVVF drive having provision for closed loop logic with necessary card, suitable to drive lift duty electric motor up to 5.5kW capacity to be erected in position with necessary wiring in existing control panel including dismantling of existing accessories as applicable | 1Job | 66990 |
| 1015 | MAT-08665 | ELEC-13.2.56 | Supplying erecting, testing & commissioning of VVVF drive having provision for closed loop logic with necessary card, suitable to drive lift duty electric motor up to 7.5kW capacity to be erected in position with necessary wiring in existing control panel including dismantling of existing accessories as applicable | 1Job | 78485 |
| 1016 | MAT-08666 | ELEC-13.2.57 | Supplying erecting, testing & commissioning of VVVF drive having provision for closed loop logic with necessary card, suitable to drive lift duty electric motor up to 10/11kW capacity to be erected in position with necessary wiring in existing control panel including dismantling of existing accessories as applicable | 1Job | 100320 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1017 | MAT-08667 | ELEC-13.2.58 | Supplying erecting, testing & commissioning of VVVF drive having provision for closed loop logic with necessary card, suitable to drive lift duty electric motor up to 15kW capacity to be erected in position with necessary wiring in existing control panel including dismantling of existing accessories as applicable | 1Job | 126830 |
| 1018 | MAT-08668 | ELEC-13.2.59 | Supplying erecting, testing & commissioning of VVVF drive having provision for closed loop logic suitable to drive lift door operator motor up to 0.5/0.75kW capacity to be erected in position with necessary wiring in existing control panel including dismantling of existing accessories as applicable | 1Job | 26290 |
| 1019 | MAT-08669 | ELEC-13.2.60 | Supplying erecting, testing & commissioning of rotary encoder mounted on the lift motor shaft for correct & control the positioning & direction of the lift car & providing closed loop feedback to the lift controller complete with necessary shielded data cable up to controller with necessary connectors, this job includes dismantling of existing encoder if any. | 1Job | 24420 |
| 1020 | MAT-08670 | ELEC-13.2.61 | Providing & fixing inspection/maintenance box with cover of suitable size with UP/DN push buttons (with mechanical protection), stop button as per IS, mechanically protected, toggle switch for normal/inspection/maintenance mode, 6A/250V 3Pin socket & 6A piano type switch protected cover with bulb & switch having IP54 grade protection class, this job includes dismantling of existing Inspection/maintenance box if any. | 1Job | 1650 |
| 1021 | MAT-08671 | ELEC-13.2.62 | Providing & fixing junction box having size of 300x300mm & height of 80mm complete with Bakelite terminal strip of 16A/500V rating with cover having IP54 grade protection class includes dismantling of existing Junction box if any. This job includes dismantling of existing inspection/maintenance box if any. | 1Job | 1210 |
| 1022 | MAT-08672 | ELEC-13.2.63 | Supplying erecting, testing & commissioning of ARD panel having audio-visual indication in lift car complete with necessary SMF VRLA batteries suitable for up to 8 passenger capacity lift car including dismantling of existing accessories as applicable | 1Job | 86460 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1023 | MAT-08673 | ELEC-13.2.64 | Supplying erecting, testing & commissioning of ARD panel having audio-visual indication in lift car complete with necessary SMF VRLA batteries suitable for 9 to 12 passenger capacity lift car. Including dismantling of existing accessories as applicable | 1Job | 98010 |
| 1024 | MAT-08674 | ELEC-13.2.65 | Supplying erecting, testing & commissioning of ARD panel having audio-visual indication in lift car complete with necessary SMF VRLA batteries suitable for 13 to 16 passenger capacity lift car. Including dismantling of existing accessories as applicable | 1Job | 111980 |
| 1025 | MAT-08675 | ELEC-13.2.66 | Supplying erecting, testing & commissioning of ARD panel having audio-visual indication in lift car complete with necessary SMF VRLA batteries suitable for 17 to 22 passenger capacity lift car. Including dismantling of existing accessories as applicable | 1Job | 127600 |
| 1026 | MAT-08676 | ELEC-13.2.67 | Supplying erecting, testing & commissioning of ARD panel having audio-visual indication in lift car complete with necessary SMF VRLA batteries suitable for 23 to 29 passenger capacity lift car. Including dismantling of existing accessories as applicable | 1Job | 146630 |
| 1027 | MAT-08677 | ELEC-13.2.68 | Providing complete lift shaft wiring in copper wire/cable from main controller to car top with COP & to all landing push button panel to all landing gate locks to all floor levelling switch to main motor to brake unit & final limit switch indicator system using ISI mark single pvc insulated flexible copper wire having minimum 1.0 sq. mm size from controller to safety devices & 0.75 Sqmm size for indication system complete in PVC/GI trunking with cover for lift with manually/power operated doors travelling up to G+1 floors /2stops & 2landings for floor height up to 4.2mtrs including dismantling of existing accessories as applicable | 1Job | 22000 |
| 1028 | MAT-08678 | ELEC-13.2.69 | Supplying, erecting & terminating flat flexible PVC insulated cable 4core 1.0 sq. mm copper conductor used for railing cables complete erected with PVC/wooden fastening arrangement & lugs, on wall / trunking as per specification including | 1Mt | 165 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | dismantling of existing accessories as applicable | | |
| 1029 | MAT-08679 | ELEC-13.2.70 | Supplying, erecting & terminating flat flexible PVC insulated cable 12core 1.0 sq. mm copper conductor used for trailing cables complete erected with pvc/wooden fastening arrangement & lugs, on wall/ trunking as per specification including dismantling of existing accessories as applicable | 1Mt | 440 |
| 1030 | MAT-08680 | ELEC-13.2.71 | Supplying, erecting, testing & commissioning programmable rope mounted Overload Warning Device (OWD) within built digital indicator complete with required wiring & accessories with audio visual indication in lift car including dismantling of existing accessories as applicable. | 1Job | 70180 |
| | | Note: | 1.For item no 13-2-2....for 11 to 20 passenger capacity lift, add 15% to the basic cost | | |
| | | | 2.For item no 13-2-2....for 21 to 29 passenger capacity lift, add 25% to the basic cost | | |
| | | | 3.For item nos. 13-2-6 to 13-2-9 main/diverter sheave for additional groove exceeding 4nos, add 10% in the basic cost per additional groove | | |
| | | | 4.For item no's 13-2-33 to 13-2-35 for Stainless Steel Collapsible doors, basic cost of MS collapsible shall be doubled,Note:- This item shall be operated with prior permission in writing from the concern Superintending Engineer (Electrical). | | |
| | | | 5.For item no's 13-2-33 to 13-2-35, If the requirements for landing/car doors clear height above 2000mm , for Manual operated MS door panels add Rs.1,000/- per 100mm rise per landing. | | |
| | | | 6. For item nos. 13-2-36 to 13-2-40 the rates are for automatic landing/car door with clear height of 2000mm If the Requirements for landing/car doors clear height above 2000mm, refer add on item no. 13-1/G (b) | | |
| | | | 7.For item no 13-2-47- Providing & fixing additional Floor button with allied hardware | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | components on COP, add Rs. 2500/- per additional button. | | |
| | | | 8.For item no 13-2-53 & 13-2-54... Lift Controller for Lift car travelling 9 stops to 15 stops, add Rs. 27300/-. | | |
| | | | 9.For item no 13-2-53 & 13-2-54... Lift Controller for Lift car travelling 16 stops to 21 stops, Rs. 46000/-. | | |
| | | | 10.For item no 13-2-53 & 13-2-54...Lift Controller for PowerCircuit suitable for above 5.5kW & up to 10kW motor, add Rs.7500/-. | | |
| | | | 11.For item no 13-2-53 & 13-2-54... Lift Controller for PowerCircuit suitable for above 10kW & up to 15kW motor, add Rs.10900/- | | |
| | | | 12.For item no 13-2-68 ... For Lift Shaft Wiring in copper wire/cable, above 1st floor for lifts with manually/power operated doors, add Rs. 2500/- per floor. | | |
| | | | 13.The cost of dismantled material of lift parts, shall be calculated on the rate analysis based on weight density calculations of actual dismantled material e.g. mild steel/MS/GI/SS sheets, motors, copper wire, wooden parts etc. | | |
| | | | 14.The lift dismantled retrieved material will be handed over to agency and the calculated amount will be deducted in the bill. | | |
| | | | | | |
| | | | | | |
| | | | 13.3: DISMANTLING | | |
| 1031 | MAT-08681 | ELEC-13.3.1 | Dismantling the existing 4 to 7 Passenger lift of all types travelling G+1 floors (2 Landings/2Stops) having with auto/manual operated doors for lift car & all landings with door frames, guide rails,controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material upto division/section store and handing over to the section engineer/store keeper in charge | 1Job | 33000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | complete. | | |
| 1032 | MAT-08682 | ELEC-13.3.2 | Dismantling the existing 8 to 12 Passenger lift of all types travelling G+1 floors (2 Landings/2Stops) having with auto/manual operated doors for lift car & all landings with door frames, guide rails,controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material upto division/section store and handing over to the section engineer/store keeper in charge complete. | 1Job | 38500 |
| 1033 | MAT-08683 | ELEC-13.3.3 | Dismantling the existing 13 to 17 passenger/Stretcher/Goods lift of all types travelling G+1 floors (2 Landings/2Stops) having with auto/manual operated doors for lift car & all landings with door frames, guide rails, controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material up to division/section store and handing over to the section engineer/store keeper in charge complete | 1Job | 44000 |
| 1034 | MAT-08684 | ELEC-13.3.4 | Dismantling the existing 18 to 22 Passenger/Stretcher/Goods lift of all types travelling G+1 floors (2 Landings/2Stops) having with auto/manual operated doors for lift car & all landings with door frames, guide rails, controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material up to division/section store and handing over to the section engineer/store keeper in charge complete | 1Job | 46200 |
| 1035 | MAT-08685 | ELEC-13.3.5 | Dismantling the existing 23 to 26 Passenger/Stretcher/Goods lift of all types travelling G+1 floors (2 Landings/2Stops) having with | 1Job | 52800 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | auto/manual operated doors for lift car & all landings with door frames, guide rails, controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material up to division/section store and handing over to the section engineer/store keeper in charge complete | | |
| 1036 | MAT-08686 | ELEC-13.3.6 | Dismantling the existing 27 to 36 Passenger/Stretchers/Goods lift of all types travelling G+1 floors (2 Landings/2Stops) having with auto/manual operated doors for lift car & all landings with door frames, guide rails, controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material up to division/section store and handing over to the section engineer/store keeper in charge complete | 1Job | 57200 |
| 1037 | MAT-08687 | ELEC-13.3.7 | Dismantling the 3000 to 5000KG Goods lift of all types travelling G+1 Upper Floors (2 Landings/2Stops) having with auto/manual operated doors for lift car & all landings with door frames, guide rails, controller, wiring buffers, Lift Machine, ropes complete with all allied accessories of Lift and making the site clear in all respect complete with refilling the holes with cement mortar & making the site as original this job includes transportation of the dismantled material up to division/section store and handing over to the section engineer/store keeper in charge complete | 1Job | 59400 |
| | | | Add On | | |
| | | A | If there are addition of floors for lift travelling up to six floors, add as given below | | |
| | MAT-08688 | 1 | For 4 to 7 passenger lift of all types | 1Floor | 2750 |
| | MAT-08689 | 2 | For 8 to 12 passenger lift of all types | 1Floor | 2970 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-08690 | 3 | For 13 to 17 passenger/stretchers/goods lift of all types | 1Floor | 3190 |
| | MAT-08691 | 4 | For 18 to 23 passenger/stretchers/goods lift of all types | 1Floor | 3630 |
| | MAT-08692 | 5 | For 23 to 26 passenger/stretchers/goods lift of all types | 1Floor | 3740 |
| | MAT-08693 | 6 | For 27 to 36 passenger/stretchers/goods lift of all types | 1Floor | 3960 |
| | MAT-08694 | 7 | For 3000 to 5000Kg goods lift of all types | 1Floor | 4290 |
| | | | | | |
| | | A1 | If there are additional floors for Lift travelling above Six floors and up to Fifteen floors Add as given below | | |
| | MAT-08695 | 1 | For 4 to 7 passenger lift of all types | 1Floor | 2970 |
| | MAT-08696 | 2 | For 8 to 12 passenger lift of all types | 1Floor | 3190 |
| | MAT-08697 | 3 | For 13 to 17 passenger/stretchers/goods lift of all types | 1Floor | 3630 |
| | MAT-08698 | 4 | For 18 to 23 passenger/stretchers/goods lift of all types | 1Floor | 3740 |
| | MAT-08699 | 5 | For 23 to 26 passenger/stretchers/goods lift of all types | 1Floor | 3960 |
| | MAT-08700 | 6 | For 27 to 36 passenger/stretchers/goods lift of all types | 1Floor | 4290 |
| | MAT-08701 | 7 | For 3000 to 5000Kg goods lift of all types | 1Floor | 4510 |
| | | A2 | If there are additional floors for Lift travelling above fifteen floors and up to Twenty floors , add as given below | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-----------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-08702 | 1 | For 4 to 7 passenger lift of all types | 1Floor | 3190 |
| | MAT-08703 | 2 | For 8 to 12 passenger lift of all types | 1Floor | 3630 |
| | MAT-08704 | 3 | For 13 to 17 passenger/stretchers/goods lift of all types | 1Floor | 3740 |
| | MAT-08705 | 4 | For 18 to 23 passenger/stretchers/goods lift of all types | 1Floor | 3960 |
| | MAT-08706 | 5 | For 23 to 26 passenger/stretchers/goods lift of all types | 1Floor | 4290 |
| | MAT-08707 | 6 | For 27 to 36 passenger/stretchers/goods lift of all types | 1Floor | 4510 |
| | MAT-08708 | 7 | For 3000 to 5000Kg goods lift of all types | 1Floor | 4950 |
| | | B | If there are additional set of lift car door and landing door, add | | |
| | | | as given below | | |
| | MAT-08709 | 1 | For 4 to 7 passenger lift of all types | 1Set | 1980 |
| | MAT-08710 | 2 | For 8 to 12 passenger lift of all types | 1Set | 2200 |
| | MAT-08711 | 3 | For 13 to 17 passenger/stretchers/goods lift of all types | 1Set | 2310 |
| | MAT-08712 | 4 | For 18 to 23 passenger/stretchers/goods lift of all types | 1Set | 2640 |
| | MAT-08713 | 5 | For 23 to 26 passenger/stretchers/goods lift of all types | 1Set | 2310 |
| | MAT-08714 | 6 | For 27 to 36 passenger/stretchers/goods lift of all types | 1Set | 2750 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | MAT-08715 | 7 | For 3000 to 5000Kg goods lift of all types | 1Set | 3300 |
| | | | MEDICAL GAS PIPE LINE SYSTEM | | |
| 1038 | | ELEC-14.1.1 | Supply and Fixing of 2 x 20 Oxygen Main Manifold with 19 mm O.D x12 mm ID Copper Pipe mounted on Top Frame, Middle Frame and Bottom Frame, along with brass blocks, NRVs/Cylinder Valves and Pigtail Pipes of 1 mtr long of size 8 mm O.D x 3 mm I.D, duly tested at 250 Kg/Cm2 pressure. & Fully Automatic Control Panel for Oxygen. Makes: As per list of recommended brands. | Set | 225000 |
| 1039 | | ELEC-14.1.2 | Supply and Fixing of 2 x 4 Oxygen Emergency Manifold with 19 mm O.D x12 mm ID Copper Pipe mounted on Top Frame, Middle Frame and Bottom Frame, along with brass blocks, NRVs/Cylinder Valves and Pigtail Pipes of 1 mtr long of size 8 mm O.D x 3 mm I.D,duly tested at 250 Kg/Cm2 pressure. Makes: As per list of recommended brands. | Set | 85000 |
| 1040 | | ELEC-14.1.3 | Supply and Fixing of 2 x 4 Main Nitrous Oxide Manifold with 19 mm O.D x12 mm ID Copper Pipe mounted on Top Frame, Middle Frame and Bottom Frame, along with brass blocks, NRVs/Cylinder Valves and Pigtail Pipes of 1 mtr long of size 8 mm O.D x 3 mm I.D,duly tested at 250 Kg/Cm2 pressure. & Semi Automatic Control Panel for Nitrous Oxide. Makes: As per list of recommended brands. | Set | 85000 |
| 1041 | | ELEC-14.1.4 | Supply and Fixing of 2 x 1 Nitrous Oxide Emergency Manifold with Heavy Duty with 19 mm O.D x12 mm ID Copper Pipe mounted on Top Frame, Middle Frame and Bottom Frame, along with brass blocks, NRVs/Cylinder Valves and Pigtail Pipes of 1 mtr long of size 8 mm O.D x 3 mm I.D,duly tested at 250 Kg/Cm2 pressure. Makes: As per list of recommended brands. | Set | 24000 |
| 1042 | | ELEC-14.1.5 | Supply and Fixing of 15 V x 10 Model Ingersoll Rand model Twin Vacuum pump system with 2000 Ltrs Capacity Vacuum Receiver, 10 HP Motors, Starters, Filters, Vacuum Switches and other standard accessories, Twin System. Makes: As per list of recommended brands. | Set | 918000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1043 | | ELEC-14.1.6 | Supply and Fixing of Aneste Iwata Make TFS 150 C9 Model, Compresso Two stage, Motor 15 HP & 57.18 CFM, 60 CFM Air Dryer with 2000 Ltrs Receiver Twin System. Makes: As per list of recommended brands. | Set | 1140000 |
| 1044 | | ELEC-14.1.7 | Supply and fixing of .....mm thick copper pipe thick for distribution, pipes shall be half drawn, tempered, seamless, phosphorous deoxidized, non arsenic and decreased confirming to BS 2871-1971 Part-1 (Table-X) and the chemical compositions shall be as per BS 6017 of 1981 table-2 with Lloyd Test Certification, including cost and conveyance of pipes, cost of necessary specials made of copper and suitable for a steam working pressure of 17 bar and should confirm to BS 864 with specially made for brazed socket type connections, including taxes, transportation charges including laying and jointing, testing, commissioning and all other labour charges etc. complete for finished item of work. Makes: As per list of recommended brands. | | |
| | | a | 12mm O.D x 0.7 mm | Rmt | 250 |
| | | b | 15mm O.D x 0.9mm | Rmt | 400 |
| | | c | 22mm O.D x 0.9mm | Rmt | 550 |
| | | d | 28mm O.D x 0.9mm | Rmt | 660 |
| | | e | 42mm O.D x 1.2mm | Rmt | 1850 |
| | | f | 54mm O.D x 1.5mm | Rmt | 2710 |
| 1045 | | ELEC-14.1.8 | Supply and fixing of Isolation Valves with necessary end fittings designed for a working pressure of 300 psi / 27 inc. Hg. Vacuum, Non Ferrous, Non Lubricated with 90 degrees turn, Hand lever operated of standard make of valves including cost and conveyance of all materials, taxes, transportation charges, fixing charges and testing charges and all labour charges etc. complete for finished item of work. Makes: As per list of recommended brands. | | |
| | | a | 15 mm Valves (1/2") | Each | 1000 |
| | | b | 22 mm Valves (3/4") | Each | 550 |
| | | c | 28 mm Valves (1") | Each | 660 |
| | | d | 42 mm Valves (1") | Each | 1850 |
| | | e | 54 mm Valves (2") | Each | 2710 |
| 1046 | | ELEC- | Supply and fixing Gas Outlet Points for Oxygen | Each | 1650 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 14.1.9 | with S Brackets, self ceiling brass valves with nut and cap and it should be 100% self sealing type, so that at the time of removal of probe, it should stop gas flow automatically, out let should be single hand insertion, non inter changeable for specific gas, it should accept only correct medical gas adapter. with down tube of the specific gas should be brazed with brass bracket of the outlet, there after brass bracket should be fixed in wall with the help of the steel screw, with self sealing valve which should be screwed with the front portion of brass bracket and there after it should be covered by plastic cover duly colour coded as per specific gas, design of outlet should be such that it can be installed vertically on wall, horizontally on ICCU panel and also vertical to fit in pendants including cost and conveyance of all materials, erection charges, commissioning charges and all other labour charges etc, complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1047 | | ELEC-14.1.10 | Supply and fixing of .....consisting of all necessary accessories ie pressure sensors, regulators, hand valves, pressure SWGs etc. complete including cost and conveyance of all materials, taxes, transportation charges etc. complete for finished item of work. Makes: As per list of recommended brands. | | |
| | | a | 3 Gas Digital Alarm Panel | Each | 28000 |
| | | b | 4 Gas Digital Alarm Panel | Each | 25000 |
| 1048 | | ELEC-14.1.11 | Supply and Fixing of Oxygen Flow meters with Humidifier Bottles. Makes: As per list of recommended brands. | Each | 1400 |
| 1049 | | ELEC-14.1.12 | Supply and Fixing of Ward Vacuum Units with 600 ml Jar. Makes: As per list of recommended brands. | Each | 1500 |
| 1050 | | ELEC-14.1.13 | Supply and Fixing of Adapters for Air. Makes: As per list of recommended brands. | Each | 108 |
| 1051 | | ELEC-14.1.14 | Supply and Fixing of Adapters for Nitrous Oxide. Makes: As per list of recommended brands. | Each | 108 |
| 1052 | | ELEC-14.1.15 | Supply and Fixing of Theatre Vacuum Trolley with 2000 ml collection Jar. Makes: As per list of recommended brands. | Each | 8710 |

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|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1053 | | ELEC-14.1.16 | Supply and Fixing of Conversion Kit for O2. Makes: As per list of recommended brands. | Each | 890 |
| 1054 | | ELEC-14.1.17 | Supply and Fixing of Conversion Kit for N2O. Makes: As per list of recommended brands. | Each | 890 |
| 1055 | | ELEC-14.1.18 | Supply and Fixing of Vacuum Tube. Makes: As per list of recommended brands. | Rmt | 45 |
| 1056 | | ELEC-14.1.19 | Supply and fixing of HP Tube. Makes: As per list of recommended brands. | Rmt | 45 |
| 1057 | | ELEC-14.1.20 | Supply and Fixing of Modular type Bed Head Wall Panel Horizontal along with supply and fixing of 4 No gas outlets and 4 No electrical sockets with switch & 1 Nurse call System of 1 Mtr Length etc., complete. Makes: As per list of recommended brands. | Each | 6620 |
| 1058 | | ELEC-14.1.21 | Supply and Fixing of Single Arm Pendent with provision for 8 gas outlets (O2 -2, N2O -2, Air -2 & Vac -2) and 6 electrical sockets with switch, 2 nos. IV Hooks, with indication lamp, should carry 90 kg weight. Makes: As per list of recommended brands. | Each | 125000 |
| | | | STP & ETP WORKS (ELECTRO-MECHANICAL ITEMS) | | |
| 1059 | | ELEC-14.2.1 | Supply and fixing, testing and commissioning of Manual Coarse Bar Screen Size: To Suit 400mm Wide x 200mm Liquid Height Clear Opening of Screen: 25mm Size of Flat: 50mm x 6mm Angle of Inclination: 60 Degree Shape of Screen: Curved Top Accessories: Rake & 2 Nos. Side Plate MOC: SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 32000 |
| 1060 | | ELEC-14.2.2 | Supply and fixing, testing and commissioning of Manual Coarse Bar Screen Size: To Suit 600mm Wide x 200mm Liquid Height Clear Opening of Screen: 25mm Size of Flat: 50mm x 6mm Angle of Inclination: 60 Degree | Each | 40000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Shape of Screen: Curved Top Accessories: Rake & 2 Nos. Side Plate MOC: SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1061 | | ELEC-14.2.3 | Supply and fixing, testing and commissioning of Manual Fine Bar Screen Size: To Suit 300mm Wide x 200mm Liquid Height Clear Opening of Screen: 10mm Size of Flat: 50mm x 6mm Angle of Inclination: 45 Degree Shape of Screen: Curved Top Accessories: Rake MOC: SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 44000 |
| 1062 | | ELEC-14.2.4 | Supply and fixing, testing and commissioning of Manual Fine Bar Screen Size: To Suit 500mm Wide x 200mm Liquid Height Clear Opening of Screen: 10mm Size of Flat: 50mm x 6mm Angle of Inclination: 45 Degree Shape of Screen: Curved Top Accessories: Rake MOC: SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 40000 |
| 1063 | | ELEC-14.2.5 | Supply and fixing, testing and commissioning of Mechanical Fine Bar Screen Size: To Suit 500mm Wide x 200mm Liquid Height (700mm Total Height) Clear Opening of Screen: 6mm Size of Flat: 50mm x 3mm Angle of Inclination: 75 Degree Type of Screen: Fixed Bar, Mechanically Raked Screen Accessories: Discharge Chute | Each | 130000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | MOC of All Wetted Parts : SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1064 | | ELEC-14.2.6 | Supply and fixing, testing and commissioning of Slotted Pipe Oil Skimmer Size: To Suit 750mm Wide Oil & Grease Trap Size of Slotted Pipe: 200mm Dia Type of Operation: Manual Hand Wheel MOC of All Wetted Parts : SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 85000 |
| 1065 | | ELEC-14.2.7 | Supply and fixing, testing and commissioning of Slotted Pipe Oil Skimmer Size: To Suit 750mm Wide Oil & Grease Trap Size of Slotted Pipe: 200mm Dia Type of Operation: Manual Hand Wheel MOC of All Wetted Parts : SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 85000 |
| 1066 | | ELEC-14.2.8 | Supply and fixing, testing and commissioning of Slotted Pipe Oil Skimmer Size: To Suit 2000mm Wide Oil & Grease Trap Size of Slotted Pipe: 200mm Dia Type of Operation: Manual Hand Wheel MOC of All Wetted Parts : SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 130000 |
| 1067 | | ELEC-14.2.9 | Supply and fixing, testing and commissioning of Equalisation Tank Blower Capacity of Blower: 50m ³ /Hr @ 5.5 MWC Type of Blower: Twin Lobe MOC of Blower: CI Speed of Blower : Less than 1000 RPM Speed of Blower Motor: 1440 RPM | Each | 75000 |

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|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | The Blower shall be complete with Blower & Motor mounted on a common base frame, belt drive, belt guard, Suction & Discharge Silencer, Air Filter, Safety Valve, NRV, etc., complete. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1068 | | ELEC-14.2.10 | Supply and fixing, testing and commissioning of Equalisation Tank Blower Capacity of Blower: 180m ³ /Hr @ 5.5 MWC Type of Blower: Twin Lobe MOC of Blower: CI Speed of Blower : Less than 1000 RPM Speed of Blower Motor: 1440 RPM The Blower shall be complete with Blower & Motor mounted on a common base frame, belt drive, belt guard, Suction & Discharge Silencer, Air Filter, Safety Valve, NRV, etc., complete. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 170000 |
| 1069 | | ELEC-14.2.11 | PH METER :- supply and Fixing of PH meter PO 650 ph/ orp with push button type for physical dimensions 105x105x130mm cut out size 92x92mm enclosure ABS weather proof IP-65 calibration /set point ,Sensor dimension 140mmx32mm ,Flow throw . It including cost and conveyance , all taxes specification Provided at the outlet of Sewerage treated water sump it including all taxes as directed by Engineer-in-charge . Makes: As per list of recommended brands. | Each | 19000 |
| 1070 | | ELEC-14.2.12 | Supply and fixing, testing and commissioning of Coarse Bubble Diffusers Type: Disc Diffuser Size: 80mm Dia MOC: EPDM including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 750 |

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|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1071 | | ELEC-14.2.13 | Supply and fixing, testing and commissioning of Fine Bubble Diffusers Type: Tubular Size: 1.0m Long x 90 Dia MOC: EPDM including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 2000 |
| 1072 | | ELEC-14.2.14 | Supply and fixing, testing and commissioning of Equalisation Effluent/ Sewage Pump Capacity of Pump: 4.00 Cu.m/Hr @ 6m Head Type of Pump: Non Clog Vertical Submersible Solid Handling Size: 10mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 57000 |
| 1073 | | ELEC-14.2.15 | Supply and fixing, testing and commissioning of Equalisation Effluent/Sewage Pump Capacity of Pump: 15 Cu.m/Hr @ 6m Head Type of Pump: Non Clog Vertical Submersible Solid Handling Size: 80mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 70132 |
| 1074 | | ELEC-14.2.16 | Supply and fixing, testing and commissioning of Equalisation Effluent/ Sewage Pump Capacity of Pump: 25 Cu.m/Hr @ 6m Head Type of Pump: Non Clog Vertical Submersible | Each | 85000 |

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|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>Solid Handling Size: 80mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | | |
| 1075 | | ELEC-14.2.17 | <p>Supply and fixing, testing and commissioning of Equalisation Effluent/ Sewage Pump Capacity of Pump: 32.5 Cu.m/Hr @ 6m Head Type of Pump: Non Clog Vertical Submersible Solid Handling Size: 80mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | Each | 100000 |
| 1076 | | ELEC-14.2.18 | <p>Supply and fixing, testing and commissioning of Mixer for Anoxic Tank Type: Turbine Type RPM of Mixer: 50 MOC of Shaft & Blades: SS 304 Motor KW: 1.1 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | Nos | 75000 |
| 1077 | | ELEC-14.2.19 | <p>Supply and fixing, testing and commissioning of Mixer for Anoxic Tank Size: To Suit 2.275 x 2.0 x 4.5m LD (5.0m TD) Type: Turbine Type RPM of Mixer: 100 MOC of Shaft & Blades: SS 304 Motor KW: 1.1</p> | Each | 95000 |

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|---------|---------------------|--------------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1078 | | ELEC-14.2.20 | Supply and fixing, testing and commissioning of Aeration Blower Capacity of Blower: 120Nm ³ /Hr @ 5.5 MWC Type of Blower: Twin Lobe MOC of Blower: CI Speed of Blower : Less than 1000 RPM Speed of Blower Motor: 1440 RPM The Blower shall be complete with Blower & Motor mounted on a common base frame, belt drive, belt guard, Suction & Discharge Silencer, Air Filter, Safety Valve, NRV, etc., complete. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 160000 |
| 1079 | | ELEC-14.2.21 | Supply and fixing, testing and commissioning of Aeration Blower Capacity of Blower: 504Nm ³ /Hr @ 5.5 MWC Type of Blower: Twin Lobe MOC of Blower: CI Speed of Blower : Less than 1000 RPM Speed of Blower Motor: 1440 RPM The Blower shall be complete with Blower & Motor mounted on a common base frame, belt drive, belt guard, Suction & Discharge Silencer, Air Filter, Safety Valve, NRV, etc., complete. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 285000 |
| 1080 | | ELEC-14.2.22 | Supply and fixing, testing and commissioning of Air Piping from Blower upto Diffusers for Equalisation Tank Blower & Aeration Blower MOC of Exposed Pipes: SS 304 MOC of Vertical Drops: SS 304 MOC of Under Water pipes: SS 304 MOC of Guide Pipe & Lifting Chain: SS 304 The Air Piping shall be complete with Individual blower delivery piping with NRV, Diaphragm Valve, | ONE KG | 450 |

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|---------|---------------------|--------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>Main Header Piping from the Blower delivery up to equ tank/aeration tank including drop/vertical piping, header along the tank, vertical drop pipes with control valve & dismantling type joint, diffuser header pipe & laterals with nozzles for diffuser, end cap, vertical guide pipe at the other end of diffuser header, lifting chain, etc., complete. The design of piping shall be such that it should be possible to remove diffusers from the tanks without emptying tank & shutting off the system. The arrangement shall be that the we should be able to take out the Vertical drop pipe & the diffuser header just by dismantling the joint in the vertical drop pipe and should be able to refix the same in position.</p> <p>Pipe Sizes: As per Diffuser Manufacturer recommendations.</p> <p>The Contractor has to provide detailed air piping calc for the air pipes from the diffuser supplier to match the specified blower. Battery Limit: Form Flange of Blowers till diffuser</p> <p>The Piping cost is inclusive all necessary materials required for the piping like pipes, fittings, adopters, flanges, fasteners, pipe supports, clamps, valves, labour charges for fabrication, erection, pressure testing, etc., complete.</p> <p>including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | | |
| 1081 | | ELEC-14.2.23 | <p>Supply and fixing, testing and commissioning of Air Piping from Blower upto Diffusers for Equalisation Tank Blower & Aeration Blower</p> <p>MOC of Exposed Pipes: SS 304</p> <p>MOC of Vertical Drops: SS 304</p> <p>MOC of Under Water pipes: SS 304</p> <p>MOC of Guide Pipe & Lifting Chain: SS 304</p> <p>The Air Piping shall be complete with Individual blower delivery piping with NRV, Diaphragm Valve, Main Header Piping from the Blower delivery up to equ tank/aeration tank including drop/vertical piping, header along the tank, vertical drop pipes with control valve & dismantling type joint, diffuser header pipe & laterals with nozzles for diffuser, end cap, vertical guide pipe at the other end of diffuser</p> | ONE KG | 340 |

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|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>header, lifting chain, etc., complete. The design of piping shall be such that it should be possible to remove diffusers from the tanks without emptying tank & shutting off the system. The arrangement shall be that the we should be able to take out the Vertical drop pipe & the diffuser header just by dismantling the joint in the vertical drop pipe and should be able to refix the same in position.</p> <p>Pipe Sizes: As per Diffuser Manufacturer recommendations.</p> <p>The Contractor has to provide detailed air piping calc for the air pipes from the diffuser supplier to match the specified blower. Battery Limit: Form Flange of Blowers till diffuser</p> <p>The Piping cost is inclusive all necessary materials required for the piping like pipes, fittings, adopters, flanges, fasteners, pipe supports, clamps, valves, labour charges for fabrication, erection, pressure testing, etc., complete.</p> <p>including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | | |
| 1082 | | ELEC-14.2.24 | <p>Supply, Transportation and fixing, testing and commissioning of Media for MBBR (Moving Bed Bio-Reactor) Tank</p> <p>Volume of Media: Cu.m</p> <p>Shape of Media: Conical Frustum</p> <p>Surface Area:300-400 m²/m³ of media</p> <p>Structure: Cylindrical with Fins</p> <p>Sp Gravity: 0.9 to 0.95</p> <p>MOC: P P UV Stabilised</p> <p>No.of Pieces 50,000-70000 No/Cu.Mt</p> <p>Weight per Cum 95 to 100 Kgs</p> <p>including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | CUM | 8352 |
| 1083 | | ELEC-14.2.25 | <p>Supply and fixing, testing and commissioning of Internal Recirculation Pump</p> <p>Capacity of Pump: 1 Cu.m/Hr @ 5m Head</p> <p>Type of Pump: Non Clog Vertical Submersible</p> <p>Solid Handling Size: 10mm</p> <p>Impeller Type: Non Clog</p> | Nos | 57000 |

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|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Final payment after Lab Testing treated water satisfying the following parameters BOD less than 20, COD less than 50. Makes: As per list of recommended brands.</p> | | |
| 1084 | | ELEC-14.2.26 | <p>Supply and fixing, testing and commissioning of Internal Recirculation Pump Capacity of Pump: 15 Cu.m/Hr @ 3m Head Type of Pump: Non Clog Vertical Submersible Solid Handling Size: 80mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Final payment after Lab Testing treated water satisfying the following parameters BOD less than 5, COD less than 10. Makes: As per list of recommended brands.</p> | Each | 65000 |
| 1085 | | ELEC-14.2.27 | <p>Supply and fixing, testing and commissioning of Internal Recirculation Pump Capacity of Pump: 50.00 Cu.m/Hr @ 3m Head Type of Pump: Non Clog Vertical Submersible Solid Handling Size: 80mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc,</p> | Each | 110000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Final payment after Lab Testing treated water satisfying the following parameters BOD less than 5, COD less than 10. Makes: As per list of recommended brands. | | |
| 1086 | | ELEC-14.2.28 | Supply and fixing, testing and commissioning of Internal Recirculation Pump Capacity of Pump: 62.5 Cu.m/Hr @ 3m Head Type of Pump: Non Clog Vertical Submersible Solid Handling Size: 80mm Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI Accessories: Auto Coupling, SS304 Lifting Chain, SS Guide Pipe, Control Panel with Level Switches for auto Start & Stop including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Final payment after Lab Testing treated water satisfying the following parameters BOD less than 5, COD less than 10. Makes: As per list of recommended brands. | Each | 130000 |
| 1087 | | ELEC-14.2.29 | Supply and fixing, testing and commissioning of Secondary Clarifier To Suit: 3.0 m x 3.0 m x2.50m SWD (0.5m FB) Sq Clarifier. Floor Slope: 1 in 12 Free Board: 0.5m The Clarifier shall be to suit the Civil Tank (As per the attached GA Drg).The Launder top will be finished to true level to ensure uniform overflow to avoid overflow weirs. The clarifier shall be complete with Mechanical Bridge/Platform spanning across the tank with GI Grating & Handrails for the entire length, Feed Well, Central Drive mechanism, Centre shaft, scrapper arm with neoprene squeezes, sludge pit cone scrapper, etc., complete. MOC: MSEP + GI Gratings + GI Handrails including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of | Each | 225000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | work. Makes: As per list of recommended brands. | | |
| 1088 | | ELEC-14.2.30 | <p>Supply and fixing, testing and commissioning of Secondary Clarifier To Suit: 5.0 m x 5.0 m x 3.50m SWD (0.5m FB) Sq Clarifier. Floor Slope: 1 in 12 Free Board: 0.5m The Clarifier shall be to suit the Civil Tank (As per the attached GA Drg). The Launder top will be finished to true level to ensure uniform overflow to avoid overflow weirs. The clarifier shall be complete with Mechanical Bridge/Platform spanning across the tank with GI Grating & Handrails for the entire length, Feed Well, Central Drive mechanism, Centre shaft, scrapper arm with neoprene squeezes, sludge pit cone scrapper, etc., complete. MOC: MSEP + GI Gratings + GI Handrails including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | Each | 350000 |
| 1089 | | ELEC-14.2.31 | <p>Supply and fixing, testing and commissioning of Secondary Clarifier To Suit: 9.1m x 9.1m x 3.0m SWD (0.5m FB) Sq Clarifier. Floor Slope: 1 in 12 Free Board: 0.5m The Clarifier shall be to suit the Civil Tank (As per the attached GA Drg). The Launder top will be finished to true level to ensure uniform overflow to avoid overflow weirs. Mechanical Bridge/Platform spanning across the tank with GI Grating & Handrails for the entire length, Feed Well, Central Drive mechanism, Centre shaft, scrapper arm with neoprene squeezes, sludge pit cone scrapper, etc., complete. MOC: MSEP + GI Gratings + GI Handrails including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | Each | 400000 |
| 1090 | | ELEC - | Supply and fixing, testing and commissioning of | Nos | 35000 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | 14.2.32 | Sludge Pump Capacity of Pump : 1 Cu.m/Hr @ 5m Head Type of Pump: Horizontal Centrifugal Impeller Type: Non Clog MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item. Makes: As per list of recommended brands. | | |
| 1091 | | ELEC-14.2.33 | Supply and fixing, testing and commissioning of Sludge Pump Capacity of Pump: 25 Cu.m/Hr @ 3m Head Type of Pump: Horizontal Centrifugal Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 72240 |
| 1092 | | ELEC-14.2.34 | Supply and fixing, testing and commissioning of Sludge Pump Capacity of Pump: 32 Cu.m/Hr @ 3m Head Type of Pump: Horizontal Centrifugal Impeller Type: Non Clog MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 100000 |
| 1093 | | ELEC-14.2.35 | Supply and fixing, testing and commissioning of UV Disinfection System Flow: 25 Cu.m/Hr. Type of Flow: Gravity Type: UV Lamp covered with Quartz Glass MOC of Enclosure: SS 304 Accessories: Control Panel including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 200000 |

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| 1 | | 2 | 3 | 4 | 5 |
| 1094 | | ELEC-14.2.36 | Supply and fixing, testing and commissioning of UV Disinfection System Flow: 32 Cu.m/Hr. Type of Flow: Gravity Type: UV Lamp covered with Quartz Glass MOC of Enclosure: SS 304 Accessories: Control Panel including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 225000 |
| 1095 | | ELEC - 14.2.37 | Supply and fixing, testing and commissioning of Filter Feed Pump Capacity of Pump: 5 Cu.m/Hr @ 20m Head Type of Pump: Horizontal Centrifugal Impeller Type: Closed MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Nos. | 30000 |
| 1096 | | ELEC-14.2.38 | Supply and fixing, testing and commissioning of Filter Feed Pump Capacity of Pump: 25 Cu.m/Hr @ 30m Head Type of Pump: Horizontal Centrifugal Impeller Type: Semi Open MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 90000 |
| 1097 | | ELEC-14.2.39 | Supply and fixing, testing and commissioning of Filter Feed Pump Capacity of Pump: 33.5 Cu.m/Hr @ 30m Head Type of Pump: Horizontal Centrifugal Impeller Type: Semi Open MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 110000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1098 | | ELEC-14.2.40 | Supply and fixing, testing and commissioning of Pressure Sand Filter Capacity of Filter: 7.50 Cu.m/Hr. Minimum Dia of Filter: 0.90m Minimum HOS of Filter: 1.8m Minimum Height of Filter Sand: 0.30m Minimum Plate Thickness for Shell & Dish: 6mm Type of Underdrain: Nozzle Plate with Plastic Nozzles Type of Inlet: Inlet Distribution Box/ Bell Mouth. Specification for Filter Media: As per CPHEEO Manual Accessories: Frontal Piping & Valves. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 100000 |
| 1099 | | ELEC-14.2.41 | Supply and fixing, testing and commissioning of Pressure Sand Filter Capacity of Filter: 32.50 Cu.m/Hr. Minimum Dia of Filter: 1.8m Minimum HOS of Filter: 1.5m Minimum Height of Filter Sand: 0.75m Minimum Plate Thickness for Shell & Dish: 6mm Type of Underdrain: Nozzle Plate with Plastic Nozzles Type of Inlet: Inlet Distribution Box/ Bell Mouth. Specification for Filter Media: As per CPHEEO Manual MOC of Filter: MSEP Accessories: Frontal Piping & Valves. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 180000 |
| 1100 | | ELEC-14.2.42 | Supply and fixing, testing and commissioning of Activated Carbon Filter Capacity of Filter: 7.50 Cu.m/Hr. Minimum Dia of Filter: 0.70m Minimum HOS of Filter: 1.8m Minimum Height of Activated Carbon: 0.30m Minimum Plate Thickness for Shell & Dish: 6mm Type of Underdrain: Nozzle Plate with Plastic Nozzles | Each | 180000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Type of Inlet: Inlet Distribution Box. Type of Activated Carbon: Coal Based/Coconut shell Minimum Iodine Value for Activated Carbon: 1000 MOC of Filter: MSEP Accessories: Frontal Piping & Valves. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1101 | | ELEC-14.2.43 | Supply and fixing, testing and commissioning of Activated Carbon Filter Capacity of Filter: 32.50 Cu.m/Hr. Minimum Dia of Filter: 1.90m Minimum HOS of Filter: 1.5m Minimum Height of Activated Carbon: 0.75m Minimum Plate Thickness for Shell & Dish: 6mm Type of Underdrain: Nozzle Plate with Plastic Nozzles Type of Inlet: Inlet Distribution Box. Type of Activated Carbon: Coal Based/Coconut shell Minimum Iodine Value for Activated Carbon: 1000 MOC of Filter: MSEP Accessories: Frontal Piping & Valves. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 300000 |
| 1102 | | ELEC-14.2.44 | Supply and fixing, testing and commissioning of Hypochlorite solution dosing System Dosing System shall be complete with 1 No. - 100 Lit Capacity HDPE Tank with Inlet & Outlet Connections, Level Indicator Dosing Pump, 0 - 5 LPH Capacity, 2 Nos. Complete Flexible Tubing with Valves, NRV's, Strainers, etc., from Dosing Tank to dosing Point including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | System | 40000 |
| 1103 | | ELEC-14.2.45 | Supply and fixing, testing and commissioning of FeCl ₃ solution dosing System Dosing System shall be complete with 1 No. - 50 Lit Capacity HDPE Tank with Inlet & Outlet Connections, Level Indicator 1 No. - Agitator to suit 50 Lit HDPE tank of SS 304 MOC, | System | 25000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|----------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | 100 RPM speed. Dosing Pump, 0 - 6 LPH Capacity, 2 Nos. Complete Flexible Tubing with Valves, NRV's, Strainers, etc., from Dosing Tank to dosing Point including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1104 | | ELEC - 14.2.46 | Supply and fixing, testing and commissioning of Treated Water Pump Capacity of Pump: 5 Cu.m/Hr @ 20m Head Type of Pump: Horizontal Centrifugal Impeller Type: Closed MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Nos | 35000 |
| 1105 | | ELEC- 14.2.47 | Supply and fixing, testing and commissioning of Treated Water Pump Capacity of Pump: 15 Cu.m/Hr @ 20m Head Type of Pump: Horizontal Centrifugal Impeller Type: Semi Open MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 72308 |
| 1106 | | ELEC- 14.2.48 | Supply and fixing, testing and commissioning of Treated Water Pump Capacity of Pump: 32 Cu.m/Hr @ 30m Head Type of Pump: Horizontal Centrifugal Impeller Type: Semi Open MOC of Casing: CI MOC of Impeller: CI including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 80000 |
| 1107 | | ELEC- 14.2.49 | Supply and fixing, testing and commissioning of Filter Press Feed Pump Capacity of Pump: 1 | Each | 50000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|--------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>Cu.m/Hr @ 20m Head Type of Pump: Screw Pump Impeller Type: Screw MOC of Casing: CI MOC of stator : Nitrile MOC of rotor : SS 304 including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | | |
| 1108 | | ELEC-14.2.50 | <p>Supply and fixing, testing and commissioning of Manual Plate Filter Press Size of Plate: 610 x 610mm No. of Chambers: 8 Chamber Operation: Hydraulic Pump Capacity: For Dewatering of 2 Cu.m/Day, 3% Sludge in 10Hour including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | Each | 125000 |
| 1109 | | ELEC-14.2.51 | <p>Supply and fixing, testing and commissioning of Manual Plate Filter Press Size of Plate: 610 x 610mm No. of Chambers: 16 Chamber Operation: Hydraulic Pump Capacity: For Dewatering of 5 Cu.m/Day, 3% Sludge in 12 Hour including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands.</p> | Each | 250000 |
| 1110 | | ELEC-14.2.52 | <p>Supply and fixing, testing and commissioning of Dewatering PE solution dosing System Dosing System shall be complete with 2 Nos. - 50 Lit Capacity HDPE Tank with Inlet & Outlet Connections, Level Indicator. 2 Nos. - Agitator to suit 100 Lit HDPE tank of SS 304 MOC, 100 RPM speed. Complete Flexible Tubing with Valves, NRV's, Strainers, etc., from Dosing Tank to dosing Point including all incidental and operational charges etc, as per approved drawings and as directed by</p> | System | 65000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | | |
| 1111 | | ELEC-14.2.53 | Supply and fixing, testing and commissioning of Jib Crane for Lifting of Submersible Pumps Capacity : 0.5 Ton Min Clear Height: 2.50m to the Bottom of the Hook (From Base plate). Degree of Rotation: 360 Degrees. Length of Boom: 2.0m to the Centre of Lifting Hook from the centre of mast. Rotating Operation: Manual Accessories Reqd: 0.5 Ton Capacity Chain Pulley Block with Lifting Chain of 9.0m + Trolley of reputed make. Mast section: Circular Mast of required Height Method of Installation: By Welding to Fish Plate embedded in concrete. including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | Each | 120000 |
| 1112 | | ELEC-14.2.54 | Supply and fixing, testing and commissioning of Tube Settler Media for Settling tank Volume of Media: 48 Cu.m Shape of Media: Vertical Plate Structure: Sheet with locking arrangement MOC: PVC No.of Pieces 150 per Cum (Size 1 Mtr x 0.5) including all incidental and operational charges etc, as per approved drawings and as directed by Engineer-in-charge complete for finished item of work. Makes: As per list of recommended brands. | CUM | 8120 |
| 1113 | | ELEC-14.2.55 | Supplying, Laying, Testing & Commissioning of Piping from Last Manhole to Coarse Screen Chamber.....complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, union/flanges, valves, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP | | |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
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| 1 | | 2 | 3 | 4 | 5 |
| | | | boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | | |
| | | a | 100 Dia PVC 10 KSC Pipe | 1 RM | 650 |
| | | b | 300 Dia PVC 10 KSC Pipe | 1 RM | 1050 |
| 1114 | | ELEC-14.2.56 | Supplying, Laying, Testing & Commissioning of Delivery Piping with Valves & NRV for Raw Effluent/Sewage Pump up to Inlet Chamber.....complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, union/flanges, values, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | | |
| | | a | 80 NB - DI Pipe | 1 RM | 750 |
| | | b | 100 NB - DI Pipe | 1 RM | 900 |
| 1115 | | ELEC-14.2.57 | Supplying, Laying, Testing & Commissioning of Delivery Piping with Valves & NRV for Equ Effluent/ Sewage Pump up to Anoxic Tank - 80 NB - uPVC Sch 40 Pipe complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, union/flanges, values, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | 1 RM | 750 |

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| 1 | | 2 | 3 | 4 | 5 |
| 1116 | | ELEC-14.2.58 | Supplying, Laying, Testing & Commissioning of Delivery Piping with Valves & NRV for Internal Recirculation Pump up to Inlet of Anoxic Tank.....complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, union/flanges, valves, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | | |
| | | a | 80 NB - uPVC Sch 40 Pipe | 1 RM | 750 |
| | | b | 100 NB - uPVC Sch 40 Pipe | 1 RM | 950 |
| 1117 | | ELEC-14.2.59 | Supplying, Laying, Testing & Commissioning of Piping from Sec Clarifier Launder Outlet to Filter Feed Tank through UV disinfection module.....complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, union/flanges, valves, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | | |
| | | a | 80 NB uPVC Sch 40 Pipe | 1 RM | 750 |
| | | b | 125 NB uPVC Sch 40 Pipe | 1 RM | 1150 |
| 1118 | | ELEC-14.2.60 | Supplying, Laying, Testing & Commissioning of Filter Feed Pump Suction (Dual Suction, one from Filter Feed Tank & second from UF Feed Tank) and Delivery Piping with valves, NRV, up to frontal piping of PSF & ACF - 80 NB uPVC Sch 40 Pipe complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, | 1 RM | 750 |

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|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | union/flanges, valves, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | | |
| 1119 | | ELEC-14.2.61 | Supplying, Laying, Testing & Commissioning of Filter Feed Pump Suction (Dual Suction, one from Filter Feed Tank & second from UF Feed Tank) and Delivery Piping with valves, NRV, up to frontal piping of PSF & ACF.....complete piping for the MLD E&STP to match the P & ID and to match the layout, using suitable material pipes of approved makes conforming to IS, including pipe specials like bends of suitable degree, elbow, tee, union/flanges, valves, fasteners, Cutting the pipes to requirement, making joints with pipe specials, earth work excavation, laying, refilling as required, or in pipe supports including its foundation, pipe supports, clamping system, etc., Conducting wet run, rectifying the leaks if any in laid pipe work, etc, complete with valves as applicable. Battery Limits: From Head Manhole near the STP-I (Approx. 15m), piping for Treated Water Pump for a length of 100m from the STP boundary. The complete piping within the E&STP area shall be contractor's scope. Makes: As per list of recommended brands. | | |
| | | a | 65 NB - uPVC Sch 40 Pipe | 1 RM | 650 |
| | | b | 80 NB - uPVC Sch 40 Pipe | 1 RM | 750 |
| 1120 | | ELEC-14.2.62 | SITC of DO Meter of approved make with interconnection wiring for auto switching on and off of Blowers, based on the DO Levels of the aeration tank. Makes: As per list of recommended brands. | Each | 50000 |
| 1121 | | ELEC-14.2.63 | SITC of 50 Dia Electro Magnetic Flow Meter with local & remote indication panel with totaliser, including wiring between instrument & remote indicator, power supply wiring, etc., complete. Makes: As per list of recommended brands. | Each | 50000 |
| 1122 | | ELEC-14.2.64 | Supply, installation, testing and commissioning of Bourden type, stainless steel dial type pressure gauge with isolation valve and pipe having | Each | 606 |

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| | | | calibration of 0-16 kg/cm ² . Makes: As per list of recommended brands. | | |
| | | | BUILDING MANAGEMENT SYSTEMS | | |
| 1123 | | ELEC-14.3.1 | Supply, Installation, Testing & Commissioning of BMS server with following latest Intel microprocessor Xeon or higher processor, 2.7 to 3.0Ghz or above clock speed, 16 GB expandable up to 32GB DDR 4 RAM,HDD - 1TB SATA, R/W CD / DVD drive, Flat Monitor - 32" LED, Serial Ports - 2 Nos, USB Ports - 4 Nos, Network Card 10/100/1000MB, Graphics card 1GB, Windows Operating System-Higher version, MS office suite Anti virus, Optical mouse & key board etc.as per detailed technical specifications and approved make including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Set | 395000 |
| 1124 | | ELEC-14.3.2 | Supply, Installation, Testing & Commissioning of BMS Client Workstation with following Latest Intel microprocessor i7 / higher , 2.7 to 3.0Ghz or above clock speed, 8GB expandable up to 32GB DDR 4 RAM, HDD - 1TB SATA ,R/W CD / DVD drive, Flat Monitor - 32" LED, Serial Ports - 2 Nos. USB Ports - 4 Nos with at least 2 NOs USB 3.0 Ports, Network Card 10/100/1000MB - 2 Nosography card 1GB,Windows 10 Operating System / Higher, MS office suite Anti virus, Optical mouse & key board etc.as per detailed technical specifications and approved. Makes : As per list of recommended brands. | Set | 95000 |
| 1125 | | ELEC-14.3.3 | Supply, Installation, Testing & Commissioning of Building Control System Software - MAIN BMS SERVER SOFTWARE, of the following windows based graphical software for IBMS system with 1No Client for Operator workstation, 1No Client for Engineer workstation. The Software shall have 3D & HD vector dynamic graphics with Autocad import of plan with Zoom In & Zoom Out facility, Native 64 Bit System , BTL,UL,EN Certified System, BACnet Profile B-AWS (Advanced workstation) as per the BTL Listing, dot net platform, Certified OPC DA Server by OPC Foundation, Web-Based Server | Set | 650000 |

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| 1 | | 2 | 3 | 4 | 5 |
| | | | software shall permit use of Standard Web-Browsers such as Microsoft Internet Explorer, Chrome, Firefox, Netscape Navigator, etc. The Software shall comply to international standards and strive to deliver products that meet security standards such as ISA/IEC 62443, UL2900, ISO/IEC 27001, ISO/IEC62443 and OWASP. Cybersecurity audit trail , 4-eye principle , Seamless integration of certificates within customer IT infrastructure, Microsoft's active directory-based authentication, Use of network infrastructure that supports physical network or VLAN segmentation, Placing the web server in a "demilitarized zone" (DMZ), End-to-end encryption, from client to server, End-to-end encryption between servers, Certificate-based data exchange, Encrypted backups. The software shall have the capability to integrate with BIM Modelling. The software shall be Energy Conservation Calculation Software, Energy Management & Engineering Software and Software license shall be for 100% spare license. The software shall be Server based with all other accessories complete as required including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | | |
| 1126 | | ELEC-14.3.4 | DDC for Air Handling Unit -(2 AHU per DDC)- Supply, Installation, Testing & Commissioning of 32 Bit Microprocessor true IP Based DDC supporting and I/O's designed as per the IO Summary with all other mounting accessories, The controller shall have inbuilt 2-port Ethernet switch . The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules, The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. Each DDC should contain 20% spare IO for each type of below mentioned IO's. DDC Internal Cabling shall be BMS vendor scope. For more Details, Please refer IO Summary and as per detailed technical specifications and approved make including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Set | 62000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1127 | | ELEC-14.3.5 | DDC for OT - Air Handling Unit - (1 AHU per DDC)- SITC of True IP Based DDC Standalone 32 Bit Intelligent, peer to peer communication, interoperable DDC as per the specification. The compact controller shall have inbuilt 2-port Ethernet switch with WLAN interface. The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules. The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. The controller shall be freely programmable and have System functions (alarms, scheduling, trending, access protection with individually definable user profiles and categories). It should have Cloud connectivity for remote access and inbuilt port for POT for local interface. Makes : As per list of recommended brands. | Set | 56446 |
| 1128 | | ELEC-14.3.6 | DDC for Ventilation and Lift Lobby Pressurization Fans- (4 Fans per DDC)- SITC of True IP Based DDC Standalone 32 Bit Intelligent, peer to peer communication, interoperable DDC as per the specification. The compact controller shall have inbuilt 2-port Ethernet switch with WLAN interface. The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules. The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. The controller shall be freely programmable and have System functions (alarms, scheduling, trending, access protection with individually definable user profiles and categories). It should have Cloud connectivity for remote access and inbuilt port for POT for local interface. Makes : As per list of recommended brands. | Set | 55196 |
| 1129 | | ELEC-14.3.7 | DG - SITC of True IP Based DDC Standalone 32 Bit Intelligent, peer to peer communication, interoperable DDC as per the specification. The compact controller shall have inbuilt 2-port Ethernet switch with WLAN interface. The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules. The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. The controller shall be freely | Set | 60500 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | programmable and have System functions (alarming, scheduling, trending, access protection with individually definable user profiles and categories). It should have Cloud connectivity for remote access and inbuilt port for PO. Makes : As per list of recommended brands. | | |
| 1130 | | ELEC-14.3.8 | DDC for Transformer/HT/LT- Supply, Installation, Testing & Commissioning of 32 Bit Microprocessor true IP Based DDC supporting and I/O's designed as per the IO Summary with all other mounting accessories, The controller shall have inbuilt 2-port Ethernet switch . The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules,The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. Each DDC should contain 20% spare IO for each type of below mentioned IO's. DDC Internal Cabling shall be BMS vendor scope. For more Details, Please refer IO Summary. As per detailed technical specifications and approved make including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 180473 |
| 1131 | | ELEC-14.3.9 | DDC for Lifts- Supply, Installation, Testing & Commissioning of 32 Bit Microprocessor true IP Based DDC supporting and I/O's designed as per the IO Summary with all other mounting accessories, The controller shall have inbuilt 2-port Ethernet switch . The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules, The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. Each DDC should contain 20% spare IO for each type of below mentioned IO's. DDC Internal Cabling shall be BMS vendor scope. For more Details, Please refer IO Summary.as per detailed technical specifications and approved make including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 60500 |
| 1132 | | ELEC- | DDC for Plumbing System & Fire Fighting - Supply, | Each | 58000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 14.3.10 | Installation, Testing & Commissioning of 32 Bit Microprocessor true IP Based DDC supporting and I/O's designed as per the IO Summary with all other mounting accessories, The controller shall have inbuilt 2-port Ethernet switch . The controller shall have 16 inputs/outputs inbuilt and can be expandable upto max 40 points by Input/Output Modules, The DDC shall have 300 Mhz processor with 128 MByte SDRAM (DDR3) and 512 MByte NAND Flash. Each DDC should contain 20% spare IO for each type of below mentioned IO's. DDC Internal Cabling shall be BMS vendor scope. For more Details, Please refer IO Summary,. As per detailed technical specifications and approved make including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | | |
| 1133 | | ELEC-14.3.11 | Software Integration- SITC of True IP Based BTL & UL Listed for third party integration for AHU VFD's, VRV System, Thermostats, DG/UPS/LT/HT Panel and Fire Alarm Systems. The controller shall have 2-port Ethernet switch and WLAN interface. It should have BTL label (BACnet communications passed the BTL test) and consisting of Dual microprocessor with Storage capacity of 1 GB RAM. It should support Real Time clock upto 7 Days. It should Support of the major communication protocols: BACnet,/IP, BACnet MS/TP, Modbus IP and Modbus RTU upto 500 points. Integrator shall be of same make only. Makes : As per list of recommended brands. | Job | 250000 |
| 1134 | | ELEC-14.3.12 | Supply, Installation, Testing & Commissioning of Ambient Temperature + RH Sensor with all the mounting accessories included. Temp sensor shall be Pt 1000 RTD type with 4 to 20mA transmitter or thermistor type and RH sensor shall be capacitive type with 4 to 20mA transmitter. The temperature measurement range shall be 0 to 50oC and humidity range shall be 0 to 95% RH as technical specification with all other mounting accessories complete as required including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 18804 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1135 | | ELEC-14.3.13 | Supply, fixing, Testing & Commissioning of Room Type Temperature + Humidity Sensor including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Nos | 13680 |
| 1136 | | ELEC-14.3.14 | Supply, Installation, Testing & Commissioning of Differential Pressure Switch (DPS) with all the mounting accessories included. The maximum pressure limit shall be 0-1000Pa as technical specification with all other mounting accessories complete as required. Field Devices & internal cabling of AHU shall be BMS vendor scope including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 2451 |
| 1137 | | ELEC-14.3.15 | Supply, Installation, Testing & Commissioning of Duct Static Pressure Sensor with all the mounting accessories included. The maximum pr limit shall be 0-500Pa all other mounting accessories complete as required. Field Devices & internal cabling of AHU shall be BMS vendor scope including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 6849 |
| 1138 | | ELEC-14.3.16 | Supply, fixing, Testing & Commissioning of Duct Temperature Sensors including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Nos | 3394 |
| 1139 | | ELEC-14.3.17 | Supply, installation, testing and commissioning of Return air CO2 Sensor including all charges complete etc as directed by Engineer In Charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 15786 |
| 1140 | | ELEC-14.3.18 | Supply, fixing, Testing & Commissioning of Current Relay including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Nos | 2050 |
| 1141 | | ELEC-14.3.19 | Supply, fixing, Testing & Commissioning of Voltage Transducer including all charges complete etc as directed by Engineer In charge/ departmental | Each | 6500 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | authorities. Makes : As per list of recommended brands. | | |
| 1142 | | ELEC-14.3.20 | Supply, fixing, Testing & Commissioning of Ultrasonic Water Level Sensor (Note: Level should indicate as Litre basis in BMS Screen) for Water tank as technical specification with all other mounting accessories including all charges complete etc as directed by Engineer In Charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 19488 |
| 1143 | | ELEC-14.3.21 | Supply, fixing, Testing & Commissioning of Flame Proof Diesel Level Sensor for Diesel Day Tank Monitoring. Tank Height 1 Mtr including all charges complete etc as directed by Engineer In charge/ departmental authorities. Makes : As per list of recommended brands. | Each | 12358 |
| | | | ACCESS CONTROL SYSTEMS | | |
| 1144 | | ELEC-14.4.1 | Supply and installation of Biometric Thumb reader with Proximity card readers based on RFID technology with Keypad, with Back Plate including all fixing accessories. Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands. | Each | 20592 |
| 1145 | | ELEC-14.4.2 | Supply and installation of Proximity card readers based on RFID technology, along with Back Plate including all fixing accessories. Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands. | Each | 11960 |
| 1146 | | ELEC-14.4.3 | Supply and installation of Proximity Access Card (16k bit with 2 application areas) with print as per client requirement. Makes : As per list of recommended brands. | Each | 291 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| 1147 | | ELEC-14.4.4 | Supply and installation of Exit Push Button (Egress Switch), Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands. | Each | 635 |
| 1148 | | ELEC-14.4.5 | Supply and installation of Single Leaf 600 Lbs Magnetic Lock with required mounting accessories, Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands. | Each | 2964 |
| 1149 | | ELEC-14.4.6 | Supply and installation of Double Leaf Magnetic Lock with required mounting accessories, Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands. | Each | 5876 |
| 1150 | | ELEC-14.4.7 | Supply and installation of UL, CE approved Access Controller - Smart card reader interfaces for 2 door, supports up to 4 smart card reader interfaces, Network connection to the host system and Compact Flash, RS485, RS232 or Ethernet connectivity, 20,000 cardholders data & up to 100,000 transaction detail storage. Makes : As per list of recommended brands. | Each | 36400 |
| 1151 | | ELEC-14.4.8 | Supply and installation of ACCESS DOOR CONTROLLER housing shall be in accordance with UL guidelines and is used for securely mounting and housing the Access Controller, extensions and the power supplies. Makes : As per list of recommended brands. | Each | 6760 |
| 1152 | | ELEC-14.4.9 | Supply and installation of Power supply with battery charger for ACCESS DOOR CONTROLLER Shall be with Selectable 12 VDC or 24 VDC voltage output | Each | 8528 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | <p>Overvoltage protection Regulates battery charging voltage The product is classified in accordance with the following standards:</p> <ul style="list-style-type: none"> • EN 55022 Class B • EN 55024 • IEC / UL / EN 60950 & CSA (product safety) • CE <p>The Power supply can be mounted on rails and installed in the housing. Makes : As per list of recommended brands.</p> | | |
| 1153 | | ELEC-14.4.10 | <p>Supply and installation of Door Buzzer, Rate shall include required accessories, tools and tackles, transportation, material and labour etc., complete as instructed by Engineer In charge. The contractor should follow the safety measures inside the premises. Makes : As per list of recommended brands.</p> | Each | 676 |
| 1154 | | ELEC-14.4.11 | <p>Supply of MS Junction boxes for mounting readers/exit switch/break glass in wall / partitions. Makes : As per list of recommended brands.</p> | Each | 350 |
| | | | NURSE-CALL SYSTEM | | |
| 1155 | | ELEC-14.5.1 | <p>Supply, installation, testing & commissioning of Central Display Module -Nurse station unit Narrating TYPE of call, MULTICOLOR Colour CODED Room Nos, CALL FORWARDING, CALL ESCALATION, SMS facility with SELF DIAGNOSIS Supply, installation, testing & commissioning of 19" MULTICOLOR MONITOR HD 1366 x 768 Resolution / 5ms Response Time / 200 cd/m2 / HDMI + VGA Port/ Stereo Speakers / Wall Mount Ready. Makes : As per list of recommended brands.</p> | Each | 9244 |
| 1156 | | ELEC-14.5.2 | <p>Supply, installation, testing & commissioning of Nurse call processor-NCP Processor</p> <ul style="list-style-type: none"> •Broadcom BCM2387 chipset. •1.2GHz Quad-Core ARM Cortex-A53 (64Bit)GPU • Dual Core Video Core IV® Multimedia Co-Processor. Provides Open GL ES 2.0, hardware- | Each | 28000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|-------------|--|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | | accelerated Open VG, and 1080p30 H.264 high-profile decode. <ul style="list-style-type: none"> • Capable of 1Gpixel/s, 1.5Gtexel/s or 24GFLOPs with texture filtering and DMA infrastructure Memory • 1GBLPDDR2 Operating System • Boots from Micro SD card, running a version of the Linux operating system or Windows 10 IoT. Makes : As per list of recommended brands. | | |
| 1157 | | ELEC-14.5.3 | Supply, installation, testing & commissioning of NS-Extender for Interfacing with ROOM units. Makes : As per list of recommended brands. | Each | 17500 |
| 1158 | | ELEC-14.5.4 | Supply, installation, testing & commissioning of Bed Unit with NURSE CALL, CODE BLUE and Additional Help complete with corded handset, with CLEAR, Multicolour LED for CALL STATUS and NIGHT VISION. Makes : As per list of recommended brands. | Each | 6200 |
| 1159 | | ELEC-14.5.5 | Supply, installation, testing & commissioning of Bathroom (Emergency) Pull Cord Modules, CALLING Unit - A pull cord switch to trigger a Call with LED indicator. Makes : As per list of recommended brands. | Each | 4250 |
| 1160 | | ELEC-14.5.6 | Supply, installation, testing & commissioning of DOOR/ CORRIDOR INDICATOR-Multicolour Indicates various Call types & Status. Makes : As per list of recommended brands. | Each | 4450 |
| 1161 | | ELEC-14.5.7 | Supply, installation, testing & commissioning of MMDP (Supervisory Display) with Communication Device. Makes : As per list of recommended brands. | Each | 63000 |
| 1162 | | ELEC-14.5.8 | Supply, installation, testing & commissioning of Nurse Response Monitor Software with SMS facility. Makes : As per list of recommended brands. | Each | 90000 |
| 1163 | | ELEC-14.5.9 | Supply, installation, testing & commissioning of NS_LCD Nurse station Display (320x240 pixels) Micro-controller based device placed in the Nurse Station with dynamic windows which displays the room number of the OPD ROOM. Makes : As per list of recommended brands. | Each | 29750 |
| 1164 | | ELEC- | Supply, installation, testing & commissioning of PIH | Each | 20000 |

| SL. NO. | CFMS CODE (2018-19) | ITEM CODE | DESCRIPTION OF ITEM | Unit | Basic Rate for SOR 2022-23 (Rs.) |
|---------|---------------------|--------------|---|------|----------------------------------|
| 1 | | 2 | 3 | 4 | 5 |
| | | 14.5.10 | Interface HUB can connect upto-8 ROOMS. Makes: As per list of recommended brands. | | |
| 1165 | | ELEC-14.5.11 | Supply, installation, testing & commissioning of Calling Unit- inside OPD the unit is designed with soft touch keypad consisting of one key for CALL initiation and the other for CLEAR. Makes: As per list of recommended brands. | Each | 1725 |
| 1166 | | ELEC-14.5.12 | Supply, installation, testing & commissioning of Door Indicator, Wall Mountable type, semi-circular shaped Indicator makes use of Super Bright LEDs to indicate the ROOM call at the Passage / Corridor. Makes: As per list of recommended brands. | Each | 1850 |

Electrical & Electro Mechanical items

(List of Recommended brands/Manufacturers for guidance of field engineers)

| S. No | Item Code | Category | Makes |
|-------|---|----------------------|--|
| | | | SECTION – 1 |
| | 1.1 | | M.S. CONDUIT PIPES |
| 1 | ELEC-1.1.1 | ..... | Makes: NAI / Bharath / GB / AKG/Precision. |
| | 1.2 | | PVC CONDUIT PIPES |
| 2 | ELEC1.2.1/ 1.2.2/1.2.6/1. 2.7 /1.2.8 | ..... | Makes : Precision/Universal& Marudhar/VIP / GoldMedal / Million plast / GM / Sudhakar /Polycab/Anchor/ Polyline/ Orbit/AKG/Beljin/ Vasavi/DEC |
| 3 | ELEC-1.2.3 | ..... | Makes: Precision/VIP / Modi/ GoldMedal / Million plast / GM / Sudhakar / Polyline/Orbit/Anchor/Beljin |
| 4 | ELEC-1.2.4 /1.2.5 | ..... | Make:Precision/ VIP / GoldMedal / Million plast / Sudhakar / Polyline /Anchor/Beljin |
| 5 | ELEC-1.2.10 | | Make: Legrand/ Modi/ Honeywell |
| | 1.5 | | COPPER FLEXIBLE CABLES (AS PER IS:694) |
| 6 | ELEC-1.5.1 | CATEGOR Y- I | Makes: Finolex / RR kabel / Havells KEI/Polycab/Gloster/Goldmedal/GM/ Finecab/ Fortune Arrt/Anchor/Million |
| 7 | ELEC-1.5.2 | CATEGOR Y- II | Makes: V-Guard/Bonton / HPL /Sudhakar/Orbit/ Tamra/ /Plaza/ Vihan/Ollvin/Laser/Beljin/Rhino/ Standard / Vimal / DEC /Unistar/LS cable |
| 8 | ELEC-1.5.3 | CATEGOR Y- III | Makes: Star / Airson/ Benlo / Gemscab /Rajnigandha/ Avocab/CRI/Salzer/Spykaar/Unicab/AKG/ Fybros/A-Flex |
| | | | SHEATHED FLEXIBLE COPPER CABLES |
| 9 | ELEC-1.5.4 | CATEGOR Y- I | Makes: Finolex / RR kabel / Havells /KEI/Polycab/ Gloster/ Goldmedal/GM/ Finecab/ Fortune Arrt/Anchor /Million |
| 10 | ELEC-1.5.5 | CATEGOR Y- II | Makes: V-Guard/Bonton/ HPL / Million /Sudhakar/Orbit/ Tamra/ /Plaza/ Vihan/Spykaar/ Ollvin/Laser/Beljin/Rhino/ Standard/ Vimal/ DEC/Unistar/Fybros/A-Flex//LS cable |
| 11 | ELEC-1.5.6 | ..... | Makes: Finolex / Polycab / Havells / V-Guard / Gold Medal / GM / Million / Vimal /Airson/CRI/ Tamra/ ollvin/Avocab |
| 12 | ELEC-1.5.7 | CATEGOR Y- I | Makes: Finolex / RR kabel / Havells KEI/Polycab/Gloster/Goldmedal/GM |
| 13 | ELEC-1.5.8 | CATEGOR Y- II | Makes: V-Guard/Bonton /Finecab/ HPL / Million /Fortune Arrt / Sudhakar/Orbit/ Tamra/ Anchor/Plaza/ Vihan/Ollvin/Laser/Beljin/Rhino/ Standard / Vimal |
| | 1.6 | | SERVICE MAINS AND FLAT CABLE FOR SUBMERSIBLE MOTORS. |

| | | | |
|----|------------------|---------------|---|
| 14 | ELEC-1.6.1/1.6.2 | ..... | Makes: Gold Medal / Million / GM / Vimal / Finecab / Nakoda / Plaza/ Payal / Sudhakar/ Rajnigandha/ Airson/Orbit/ollvin/Beljin |
| 15 | ELEC-1.6.3 | CATEGOR Y- I | Makes: Finolex / RR Kabel/ Polycab / Havells / KEI/ Gloster/ Goldmedal / GM/ Finecab/ Million |
| 16 | ELEC-1.6.4 | CATEGOR Y- II | Makes: V-Guard / Vihan/Vimal / CRI/ Lubi/Unicab/Hitech/ Spykaar/ Airson/Ollvin/ Laser/ Beljin/Rhino/Sudhakar/ Fortune Arrt/Unistar/DEC//LS cable/ A-Flex/ Fybros |
| | 1.7 | | FLUSH TYPE SWITCHES AND ACCESSORIES |
| 17 | ELEC-1.7.1 | ..... | Makes: GM G Home / Gold Medal Olive / Million Zoom / Great white Omega/Koncept/Vimal opel/ Anchor/Vihan/CPL/ Havells Reo |
| | 1.8 | | MODULAR SWITCHES AND ACCESSORIES |
| 18 | ELEC-1.8.1/1.8.3 | CATEGOR Y- I | Makes: Legrand (Arteor/Myrius) / Schneider (Clipsal X/ Livia AB)/ Crabtree Murano or Ducor/L&T-englaze/ GM-(Four-Five)/ Goldmedal(GIFA)/ Million (M-VEE)/Anchor Roma (PLUS) |
| 19 | ELEC-1.8.2/1.8.4 | CATEGOR Y- II | Makes: Legrand Lyncus / Havells Coral or Fabio / L&T/ HPL/ Schneider Livia/ GM-(G NINE/ GX) C&S/ Goldmedal (Curve/Air) / Million Mway / Logus Platina/ Panasonic Vision / Salzer S90series/ Precision/Koncept (Samrat/ Qura)/ /Polycab(Levana / IndoAsian/ Pointer/ CPL/Kolors/ Vihan/Hosper/ Vimal/ DEC(Unicus)/Fybros/Infinity |
| | | | SECTION - 2 |
| | 2.1 | | PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU) |
| 20 | ELEC-2.1.1 | CATEGOR Y- I | Makes: L&T / Schneider / C&S / ABB / SIEMENS |
| 21 | ELEC-2.1.2 | CATEGOR Y- II | Makes: Standard / Havells / HPL / Indo Asian / Benlo/Anchor |
| | 2.2 | | ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION) |
| 22 | ELEC-2.2.1 | CATEGOR Y- I | Makes: Socomec / L & T / HPL / Havells/ C&S |
| 23 | ELEC-2.2.2 | CATEGOR Y- II | Makes: ABB / GE / Siemens / Indo Asian / Benlo/Standard |
| | 2.3 | | OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE |
| 24 | ELEC-2.3.1 | CATEGOR Y- I | Makes: HPL / Havells / Standard / Indo Asian / C&S |
| 25 | ELEC-2.3.2 | CATEGOR Y- II | Makes: Benlo / Million / GoldMedal /GM/ Vimal |
| | 2.4 | | AUTO TRANSFER SWITCH |
| 26 | ELEC-2.4.1 | ..... | Makes: Socomec /Hager /ABB/ HPL/L&T/Havells |
| 27 | ELEC-2.4.2 | ..... | Makes: Socomec ATysP/ ABB/L&T |
| | 2.5 | | REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE |
| 28 | ELEC-2.5.1 | CATEGOR Y- I | Makes: HPL / Havells / Standard / Indo Asian/Benlo |

| | | | |
|----|-------------|------------------|---|
| 29 | ELEC-2.5.2 | CATEGOR Y- I | Makes: HPL / Havells / Standard / Indo Asian /Benlo |
| 30 | ELEC-2.5.3 | CATEGOR Y- II | Makes:Anchor / GM / Million / Sputnik / Sigma / Gold Medal / Star/Kundan cab/Anchor. |
| 31 | ELEC-2.5.4 | CATEGOR Y- II | Makes: Anchor / GM / Million / Sputnik / Sigma / Gold Medal / Star/Kundan cab/Anchor. |
| | 2.6 | | HRC FUSE LINKS (DIN/BOLTED TYPE) |
| 32 | ELEC-2.6.1 | ..... | Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian |
| | 2.7 | | PORCELAIN REWIRABLE FUSE UNITS. |
| 33 | ELEC-2.7.1 | ..... | Makes: C&S/Standard/HPL/ Sputnik / Million / Gold Medal /GM/ Benlo /Anchor |
| 34 | ELEC-2.7.2 | ..... | Makes: C&S/Standard/HPL/ Sputnik / Million / Gold Medal / GM/Benlo/Anchor |
| | 2.8 | | VOLTAGE SURGE PROTECTORS |
| 35 | ELEC-2.8.1 | ..... | Makes: Legrand / Siemens / G.E / L&T / Hager/Havells |
| | 2.9 | | PANEL MOUNTING MCCBs |
| 36 | ELEC-2.9.1 | CATEGOR Y- I | Makes: L&T- D shine / Schneider-CVS/Legrand –(DP X3/DRX)/ Siemens- 3VL / Hager-h3/C&S - Winbreak/HPL-Techno |
| 37 | ELEC-2.9.2 | CATEGOR Y- II | Makes: GE / ABB / Havells / Standard / Indo Asian |
| | | | PANEL MOUNTING ACBs (Microprocessor Based) |
| 38 | ELEC-2.9.3 | CATEGOR Y- I | Makes: Siemens/ L&T / Schneider /Legrand /C&S /HPL |
| 39 | ELEC-2.9.4 | CATEGOR Y- II | Makes:ABB / GE / Indo Asian / Havells |
| | | | AIR INSULATED BUS DUCT |
| 40 | ELEC-2.9.5 | ..... | Makes: Legrand (Zucchini) / C&S/Advance-Anant |
| 41 | ELEC-2.9.6 | ..... | Makes: Legrand (Zucchini) / C&S/Advance- Anant |
| 42 | ELEC-2.9.7 | ..... | Makes: Legrand (Zucchini) / C&S /Advance-Anant |
| 43 | ELEC-2.9.8 | ..... | Makes: Legrand (Zucchini) / C&S/Advance-Anant |
| | | | SANDWITCH BUSDUCT |
| 44 | ELEC-2.9.9 | ..... | Makes: Legrand (Zucchini) / L&T / Schneider/C&S/Advance-Anant |
| 45 | ELEC-2.9.10 | ..... | Makes: Legrand (Zucchini) / L&T / Schiender / C&S /Advance-Anant |
| 46 | ELEC-2.9.11 | ..... | Makes: Legrand (Zucchini) / L&T / Schiender /C&S/Advance-Anant |
| 47 | ELEC-2.9.12 | ..... | Makes: Legrand (Zucchini) / Schiender /C&S/Advance-Anant |
| 48 | ELEC-2.9.13 | ..... | Makes: Legrand (Zucchini) / L&T / Schiender /C&S/Advance- Anant |
| 49 | ELEC-2.9.14 | ..... | Makes: Legrand (Zucchini) / L&T / Schiender /C&S/Advance-Anant |
| | 2.1 | | MCBs (AS PER IS:60898-1:2002) |
| 50 | ELEC-2.10.1 | CATEGOR Y- I | Makes: Legrand-DX3 / Schneider-A9/Hager-h3/ Siemens-5SX4/ Havells STADx /L&T-AU/Indo Asian-Opti pro/ HPL (Techno) |
| 51 | ELEC-2.10.2 | CATEGOR Y- II | Makes: ABB- S200/Standard / Havells-euro II / C&S /L&T-Exora/ GM |

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| | | | /Gold Medal/ Anchor/Salzer /Polycab |
| 52 | ELEC-2.10.3 | CATEGOR Y- III | Makes:Milltec/ Sputnik / Benlo / Vimal /Precision/Amron/Million. |
| | 2.11 | | ISOLATORS CONFIRMS TO I E C 60947 PART-III |
| 53 | ELEC-2.11.1 | CATEGOR Y- I | Makes: Legrand-DX3 / Schneider-A9/Hager-h3/ Siemens-5SX4/ Havells STADx/L&T-AU/Indo Asian-Opti pro/HPL(Techno) |
| 54 | ELEC-2.11.2 | CATEGOR Y- II | Makes: ABB- S200/Standard / Havells-euro II / C&S /L&T-Exora/ GM /Gold Medal/ Anchor/Salzer /Polycab |
| 55 | ELEC-2.11.3 | CATEGOR Y- III | Makes: Milltec / Sputnik / Benlo / Vimal/ Precision/Amron/Million. |
| | 2.12 | | RCCBs(ELCB/RCD) CONFIRMS TO IEC:61008 AND IS:12640-1 |
| 56 | ELEC-2.12.1 | CATEGOR Y- I | Makes: Legrand-DX3 / Schneider-A9/Hager-h3/ Siemens-5SX4/ Havells STADx/L&T-AU/Indo Asian-Opti pro/HPL(Techno) |
| 57 | ELEC-2.12.2 | CATEGOR Y- II | Makes: ABB- S200/Standard / Havells-euro II / C&S /L&T-Exora/ GM /Gold Medal/ Anchor/Salzer /Polycab |
| | | | RCBO CONFIRMS TO IEC:61009-1 |
| 58 | ELEC-2.12.3 | ..... | Makes: ABB- S200/Standard / Havells-euro II / HPL (Techno) / C&S /L&T-Exora/ GM /Gold Medal/ Anchor/Salzer /Polycab |
| | 2.13 | | MCB DISTRIBUTION BOARDS (AS PER IS 8623; IS 13032; IEC 61439-3) |
| 59 | ELEC-2.13.1 | CATEGOR Y- I | Makes: Legrand(Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Havells STADx/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno). |
| 60 | ELEC-2.13.2 | CATEGOR Y- II | Makes: ABB/Standard / Havells-euro II / C&S / L&T/GM /Gold Medal/Anchor/Salzer/Polycab |
| 61 | ELEC-2.13.3 | CATEGOR Y- III | Makes:Milltec / Sputnik / Benlo / Vimal/Precision/ Amron/Million. |
| | | | TPN DBs |
| 62 | ELEC-2.13.4 | CATEGOR Y- I | Makes: Legrand (Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Havells STADx/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno). |
| 63 | ELEC-2.13.5 | CATEGOR Y- II | Makes: ABB/Standard / Havells-euro II / C&S / L&T/GM /Gold Medal/Anchor/Salzer/Polycab |
| 64 | ELEC-2.13.6 | CATEGOR Y- III | Makes: Milltec /Benlo / Vimal /Precision/Amron/Million. |
| | | | VTPN DBs |
| 65 | ELEC-2.13.7 | CATEGOR Y- I | Makes: Legrand(Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Havells STADx/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno) |
| 66 | ELEC-2.13.8 | CATEGOR Y- I | Makes: Legrand(Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Havells STADx/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno). |
| 67 | ELEC-2.13.9 | CATEGOR Y- I | Makes: Legrand(Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Havells STADx/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno). |

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| 68 | ELEC-2.13.10 | CATEGOR Y- II | Makes: ABB/Standard / Havells-euro II / C&S / L&T/GM /Gold Medal/Anchor/Salzer |
| 69 | ELEC-2.13.11 | CATEGOR Y- II | Makes: Siemens / ABB / Standard / Havells /Hager/ C&S/L&T/Anchor |
| 70 | ELEC-2.13.12 | CATEGOR Y- II | Makes: ABB/Standard / Havells-euro II / C&S / L&T/GM /Gold Medal/Anchor/Salzer |
| 71 | ELEC-2.13.13 | CATEGOR Y- I | Makes: Legrand(Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno). |
| 72 | ELEC-2.13.14 | CATEGOR Y- II | Makes: ABB/Standard / Havells-euro II / C&S / L&T/GM /Gold Medal/Anchor/Salzer/Polycab |
| 73 | ELEC-2.13.15 | CATEGOR Y- III | Makes: Milltec / Sputnik / Benlo / Vimal/Amron/Million. |
| 74 | ELEC-2.13.16 | CATEGOR Y- I | Makes: Legrand(Ekinox 3) / Schneider-A9/Hager - Novello+/ Seimens/Havells STADx/L&T-Newrange/Indo Asian-Opti Pro/ HPL (Techno). |
| 75 | ELEC-2.13.17 | CATEGOR Y- II | Makes: Siemens / ABB / Standard / Havells / Hager/ C&S /L&T/ GM /Anchor/Gold Medal /Polycab |
| 76 | ELEC-2.13.18 | CATEGOR Y- III | Makes: Milltec / Sputnik / Benlo / Vimal/Amron/Million. |
| | | | SECTION - 3 |
| | 3.1 | | STREET LIGHT LUMINAIRES |
| 77 | ELEC-3.1.1 | CATEGOR Y- I | Deleted |
| 78 | ELEC-3.1.2 | CATEGOR Y-II | Deleted |
| 79 | ELEC-3.1.3 | CATEGOR Y- I | Deleted |
| 80 | ELEC-3.1.4 | CATEGOR Y- II | Deleted |
| 81 | ELEC-3.1.5 | CATEGOR Y- I | Deleted |
| 82 | ELEC-3.1.6 | CATEGOR Y- II | Deleted |
| 83 | ELEC-3.1.7 | ..... | Deleted |
| | 3.2 | | LED POST TOP LANTERN LUMINAIRES |
| 84 | ELEC-3.2.1 | ..... | Makes: Crompton LPTO-40-CDL-M/ Bajaj Celesta BGCL 40 W LED Wh/Wipro LP 02 or equivalent in Phillips/Keselec/Havells Endura Spring/Rhino(GPLP14) |
| 85 | ELEC-3.2.2 | ..... | Make: Keselec MIRI or equivalent in Philips/Wipro |
| 86 | ELEC-3.2.3 | ..... | Make: Keselec CAMBRIDGE/ or equivalent in Philips/Wipro |
| 87 | ELEC-3.2.4 | ..... | Makes: Crompton / Bajaj/ Wipro/Phillips/Keselec/Havells |
| | 3.3 | | ACCESSORIES FOR MV / SV / MH LUMINAIRES |
| | | | COPPER BALLASTS |
| 88 | ELEC-3.3.1 | ..... | Deleted |
| 89 | ELEC-3.3.2 | ..... | Deleted |
| 90 | ELEC-3.3.3 | | Deleted |
| 91 | ELEC-3.3.4 | | Deleted |
| | 3.4 | | LAMPS |
| 92 | ELEC-3.4.1 | CATEGOR Y- I | Deleted. |

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| 93 | ELEC-3.4.2 | CATEGOR Y- II | Deleted |
| | 3.5 | | AUTOMATIC STREET LIGHT CONTROL SYSTEMS |
| 94 | ELEC-3.5.1 | ..... | Make: Swadep Nature Switch / Lightmate/ GL/Bajaj |
| 95 | ELEC-3.5.2 a - e | ..... | Make: Swadep Nature Switch / Light Mate /GL/Bajaj |
| 96 | ELEC-3.5.3 a - c | ..... | Makes : Swadep /Super tech (Light Mate)/ L&T / Siemens / Bajaj |
| | 3.6 | | INTERNAL LUMINAIRES |
| 97 | ELEC-3.6.1 | CATEGOR Y- I | Deleted |
| 98 | ELEC-3.6.2 | CATEGOR Y- II | Deleted |
| 99 | ELEC-3.6.3 | ..... | Deleted |
| 100 | ELEC-3.6.4 | ..... | Deleted |
| 101 | ELEC-3.6.5 | ..... | Deleted |
| 102 | ELEC-3.6.6 | ..... | Deleted |
| 103 | ELEC-3.6.7 | ..... | Deleted |
| 104 | ELEC-3.6.8 | ..... | Deleted |
| 105 | ELEC-3.6.9 | ..... | Deleted |
| 106 | ELEC-3.6.10 | ..... | Deleted |
| 107 | ELEC-3.6.11 | ..... | Deleted |
| | 3.7 | | FLOURSCENT TUBES / CFL LAMPS / LED BULBS |
| 108 | ELEC-3.7.1 | ..... | Deleted |
| 109 | ELEC-3.7.2 | ..... | Deleted |
| 110 | ELEC-3.7.3 | ..... | Deleted |
| 111 | ELEC-3.7.4 | ..... | Deleted |
| | | | LED BULBS |
| 112 | ELEC-3.7.5 | ..... | . Makes: Phillips /Crompton / Bajaj / Havells / Halonix/GM/HPLSyska / Green Lites / Fortune Arrt / GoldMedal / Luker/Leo/Orbit /Rhino / GLO LED |
| 113 | ELEC-3.7.6 | ..... | Makes: Phillips /Crompton / Bajaj / Havells / Halonix/GM/HPLSyska / Green Lites / Fortune Arrt / GoldMedal / Luker/Leo/Orbit/Rhino /GLO LED |
| 114 | ELEC-3.7.7 | ..... | Makes : Philips/Bajaj / Crompton / Havells/ HPL. |
| | 3.8 | | LED LUMINAIRES INDOOR |
| | | | DOWN LIGHTERS |
| 115 | ELEC-3.8.1 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE-Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal/Eveready/ FortuneArrt/ Rhino/Panasonic b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/Everlight |
| 116 | ELEC-3.8.2 | CATEGOR Y- II | Makes : Surya /C&S / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Opple/R LED/Luker/ Orbit/Trinic / GLO LED /Vimal b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT |

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| 117 | ELEC-3.8.3 | CATEGOR Y- III | a) LUMINAIRE MAKE : Pasolite / Cosmo / Siger/ Koncept/ Kiran/Vibrant/Leo/Lumens/Ilite/Akarui/ Fybros b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT |
| | | | LED PANEL LIGHTS |
| 118 | ELEC-3.8.4 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE- Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal/Eveready/ FortuneArrt/ Rhino/Panasonic b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/Everlight. |
| 119 | ELEC-3.8.5 | CATEGOR Y- II | Makes : Surya /C&S / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Oppl/ Luker/ Orbit/Trinic/Lumens/ GLO LED/ Vimal b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT |
| 120 | ELEC-3.8.6 a to f | CATEGOR Y- III | a) LUMINAIRE MAKE : Pasolite / Cosmo / Siger/ Koncept/ Kiran/Vibrant/Leo/Ilite/Akarui/ Fybros b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an |
| | | | COB DOWN LIGHTS |
| 121 | ELEC-3.8.7 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE-Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal /Eveready/ FortuneArrt// Rhino/Panasonic b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar/ Sunpo/Samsung |
| 122 | ELEC-3.8.8 | CATEGOR Y- II | Makes : Surya /C&S / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Oppl/Luker/ Orbit/ Trinic/Lumens /GLO LED /Vimal/Akarui / Fybros b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar/ Sunpo/Samsung |
| | | | SPOT LIGHTS / WALL WASHERS |
| 123 | ELEC-3.8.9 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE-Venture / Crompton / Wipro / Bajaj/ Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal/Eveready/ FortuneArrt/ Panasonic b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar/ Sunpo |
| 124 | ELEC-3.8.10 | CATEGOR Y- II | Makes : Surya /C&S / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Oppl/R LED/Luker/ Orbit/Trinic /Akarui b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / SAMSUNG/ Sunpo |
| 125 | ELEC-3.8.11 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE- Venture / Crompton / Wipro / Bajaj / Havells / Halonix/ GreenLites/HPL /Eveready/ FortuneArrt b) LED MAKE :Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar. |
| 126 | ELEC-3.8.12 | CATEGOR Y- II | Makes : Surya / Polycab/ Oppl/Luker/ Orbit/Akarui b) LED MAKE : Bridge Lux/ CREE / NICHIA / Epistar |
| | | | LED BATTENS AND 2' x 2' LUMINARIES |

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| 127 | ELEC-3.8.13 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE- Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal/Eveready// Rhino/Panasonic b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/ Everlight. |
| 128 | ELEC-3.8.14 | CATEGOR Y- II | Makes : Surya /C&S/ Fortune Arrt / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Oppl/ Luker/ Orbit/ Trinic/Lumens/ GLO LED / Vimal b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT |
| 129 | ELEC-3.8.15 | CATEGOR Y- III | a) LUMINAIRE MAKE : Pasolite / Cosmo / Siger/ Koncept/ Kiran/Vibrant/Leo/ilite/Akarui/ Fybros b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT |
| 130 | ELEC-3.8.16 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE- Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal/Eveready// Rhino/Panasonic b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. |
| 131 | ELEC-3.8.17 | CATEGOR Y- II | Makes : Surya /C&S/ Fortune Arrt / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Oppl/ Luker/ Orbit/ Trinic/Lumens/ilite/ GLO LED/ Vimal/Akarui/ Fybros b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT |
| 132 | ELEC-3.8.18 | ..... | Makes: Phillips / Crompton / Bajaj/Surya/Havells/HPL |
| 133 | ELEC-3.8.19 | ..... | Makes: Greenlites / Fortune Arrt / Capart / GM / Goldmedal /Trinic/Kiran. |
| 134 | ELEC-3.8.20 | CATEGOR Y- I | a) LUMINAIRE MAKE : Phillips / GE-Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM / GreenLites / Gold Medal/Eveready / FortuneArrt// Rhino/Panasonic b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/Everlight. |
| 135 | ELEC-3.8.21 | CATEGOR Y- II | Makes : Surya /C&S / Syska / Enrich / Stanjo / Polycab/ Ib LED/ Oppl/ Luker/ Orbit/Trinic/ilite/GLO LED/ Vimal/Akarui/ Fybros b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT. |
| 136 | ELEC-3.8.22 | ..... | Makes : Philips/Bajaj/ Crompton / Surya / Havells / Greenlites/ Insta Power/HPL /Halonix/ Panasonic. / FortuneArrt |
| 137 | ELEC-3.8.22 | ..... | a) LUMINAIRE MAKE : Phillips (Pureline Slim) / GE- Venture / Crompton / Wipro / Bajaj / Havells (Dustello) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/LG |
| 138 | ELEC-3.8.23 | CATEGOR Y- I | a) LUMINAIRE MAKE : Wipro(Skyline) / Philips (Green line) / GE-Venture / Crompton(Neo Series) / Bajaj (Edge) / Halonix(Lumos - Super) / Havells (Endura Series) /Capart(Premium)/Greenlites(Hi-Lux) /Polycab/Keselec/ HPL(City Vision)/ Jaquar(Premium)/Eveready/ Surya (Pollux) / FortuneArrt |

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| | | | (Leaf) / Rhino(GPSL04) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG |
| 139 | ELEC-3.8.24 | CATEGOR Y- I | a) Luminaire Make : Wipro(Skyline) / Philips (Greenline Extra) / GE- Venture / Crompton(Nexus / Hawk series) / Bajaj (Edge) / Halonix (Modular/ Lumos-Super) / Havells (Endura Series)/Greenlites(HI-Lux) /Capart(Premium)/Polycab/Keselec / HPL(City Vision)/Jaquar (Premium) /Eveready /Surya (Pollux) / Fortune Arrt (Leaf) / Rhino(GPSL06) b) LED MAKE :PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG. |
| 140 | ELEC-3.8.25 | CATEGOR Y- II | a) LUMINAIRE Makes: Syska / GM / C&S/ VIN/Gold Medal /Pharox / Cosmo / Enrich/Pro-lite(I) / Renesola / Stanjo / Goldwyn/ Ib LED/ Orbit/ Luker/Trinic/ GLO LED/ Vimal b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / LG. |
| 141 | ELEC-3.8.26 | CATEGOR Y- III | a) LUMINAIRE Makes : Trinic / Pasolite / Sieger/Koncept/Vibrant/Leo/Lumens/Ilite/Akarui/ Fybros b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / LG. |
| | | | FLOOD LIGHTS |
| 142 | ELEC-3.8.27 | CATEGOR Y- I | a) LUMINAIRE MAKE : Wipro / Philips/ GE-Venture / Crompton/ Bajaj /Greenlites / Havells/Capart(Premium) /Halonix/ Polycab /Keselec/HPL/Jaquar/Eveready / Surya (Lumasmax / O Flood) / FortuneArrt (Fin)/ Rhino(GPFL02 Series) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. |
| 143 | ELEC-3.8.28 | CATEGOR Y- II | a) LUMINAIRE Makes: Pharox / GM / Goldmedal / Syska / C&S/Cosmo/ Ib LED/ Vibrant/ Stanjo/Enrich/ Orbit/Luker/Trinic/Pro- lite/Ilite/GLO LED /Vimal/Akarui/ Fybros b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / LG |
| | | | HIGH BAY LIGHTS |
| 144 | ELEC-3.8.29 | CATEGOR Y- I | a) LUMINAIRE MAKE : Wipro / Philips/ GE-Venture / Crompton/ Bajaj /Greenlites / Havells/Capart(Premium) /Halonix/Polycab/Keselec/ HPL/ Jaquar/Eveready / Surya (ORION-II)/ FortuneArrt (UFO-S) / Rhino(GPHB02 Series) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG . |
| 145 | ELEC-3.8.30 | CATEGOR Y- II | a) LUMINAIRE Makes: Pharox / GM / Goldmedal / Syska / C&S/Cosmo/ Ib LED/ Vibrant/ Stanjo/Enrich/Orbit/Luker/Trinic/Ilite/GLO LED/Akarui b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG. |

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| 146 | ELEC-3.8.31 | | UMINAIRE MAKE : Wipro / Philips/ GE / Crompton/ Bajaj / Greenlites/ Havells/ FortuneArrt b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/Seoul . |
| | | | RGB/RGBW LED Lighting |
| 147 | ELEC-3.8.32 | ..... | LUMINAIRE MAKE : Wipro / Philips/ Crompton/ Bajaj / Greenlites/ Havells/ FortuneArrt b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG/Seoul . |
| 148 | ELEC-3.8.33 | ..... | a) LUMINAIRE MAKE : Wipro / Philips/ GE / Crompton/ Bajaj / Greenlites/ Havells/ FortuneArrt b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG /SEOUL. |
| 149 | ELEC-3.8.34 | ..... | Make: Sunlite Suit2/Artnet or its equivalent |
| 150 | ELEC-3.8.35 | ..... | Makes:colourdreamer/ AURA/Greenlites |
| 151 | ELEC-3.8.36 | ..... | Makes:colourdreamer/ AURA/Greenlites |
| 152 | ELEC-3.8.37 | ..... | Makes:colourdreamer/ AURA/Greenlites |
| 153 | ELEC-3.8.38 | ..... | Makes:Mean Well or its equivalent |
| 154 | ELEC-3.8.39 | ..... | Makes:Mean Well or its equivalent |
| | | | LED DRIVERS |
| 155 | ELEC-3.8.40 | ..... | Makes: Philips /Crompton / Bajaj/ Havells/Surya/Greenlites/HPL/Halonix/Jaquar/Ib LED/Promtec/Eveready |
| 156 | ELEC-3.8.41 | ..... | Makes: Philips /Crompton / Bajaj/ Havells/Surya/Greenlites/HPL/Halonix/Jaquar/Ib LED/Promtec/Eveready/Stanjo |
| | | | SECTION - 4 |
| | 4.1 | | U.G. CABLES |
| 157 | ELEC-4.1.1 | CATEGOR Y- I | Makes: Torent / Universal / Unicab / Havells / KEI / Gloster/Finecab / Polycab /RR Kabel/ Fortune Arrt |
| 158 | ELEC - 4.1.2 | CATEGOR Y- II | Makes: RPG / Finolex / Paragon / V-Guard / Suncab / Delton / Payal / Gemscab/ Orbit/Avocab/Laser/Rhino/ Pawancab/LS cable. |
| | | | 33 KV HT XLPE CABLES |
| 159 | ELEC-4.1.3 | ..... | Make: Torrent / Universal / Unicab / Havells / KEI / Polycab/Gloster/RR Kabel/RPG |
| | | | 11 KV HT XLPE CABLES |
| 160 | ELEC- 4.1.4 | ..... | Make: Torrent / Universal / Unicab / Havells / KEI / Polycab/Gloster/RR Kabel/RPG |
| | | | Un Armoured and Armoured Copper Control Cables |
| 161 | ELEC-4.1.5 | ..... | Make: Torrent / Universal / Unicab / Havells / KEI / Polycab/Gloster /orbit / Paragon/ RR Kabel/ RPG/ Pawancab/LS cable |
| 162 | ELEC-4.1.5 A | ..... | Makes: Torent / Universal / Unicab / Havells / KEI / Gloster/Finecab / Polycab /RR Kabel |
| 163 | ELEC-4.1.5 B | ..... | Makes: RPG / Finolex / Paragon / V-Guard / Fortune Arrt / Suncab / Delton / Payal / Gemscab/ Orbit/Avocab/Laser/Rhino. |
| 164 | ELEC-4.1.5C | ..... | Makes :- Finolex/RR kabel/ Havells/ KEI/ Polycab/ Gloster/V-Guard/HPL/GM/ Million/Goldmedal/Anchor. |
| 165 | ELEC-4.1.6 | | Make: Torrent / Universal / Unicab / Havells / KEI / Polycab/Gloster/Orbit/ Paragon/RR |

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| | | | Kabel/RPG/Rhino/Pawancab/LS cable |
| | | | CABLE TERMINATIONS AND ACCESSORIES |
| 166 | ELEC-4.1.7 | | Makes: Raychem /M seal/ Denson/ Multy/ Transeal-Hongshang |
| 167 | ELEC-4.1.8 | ..... | Makes: Raychem /M seal/ Denson/ Multy/ Transeal-Hongshang |
| 168 | ELEC-4.1.9 | ..... | Makes: Raychem /M seal/ Denson/ Multy/ Transeal-Hongshang |
| 169 | ELEC-4.1.10 | ..... | Makes:Dowels/Comet/SMI |
| 170 | ELEC-4.1.11 | ..... | .Makes:Dowels/Comet/SMI |
| 171 | ELEC-4.1.12 | ..... | Makes:Dowels/Jainson/Comet |
| 172 | ELEC-4.1.13 | ..... | Makes:Dowels/Jainson/Comet |
| | 4.3 | | DOUBLE WALLED CORRUGATED HDPE PIPE |
| 173 | ELEC-4.3.1 a- h | ..... | Makes:DURA LINE (Dura Guard)/Precision/CPE or its equivalent make. |
| | | | SECTION - 5 |
| | 5.1 | | FANS |
| 174 | ELEC-5.1.1 | ..... | Makes : Atomberg(Gorilla GV2)/ Halonix(Plasma) /Havells(Efficiencia Neo)/ Crompton(EN Riviera)/Superfan(E281)/RJP(Ecowise) |
| 175 | ELEC-5.1.2 | ..... | Makes : Atomberg(Gorilla GV2)/ Halonix(Plasma) /Havells(Efficiencia Neo) |
| 176 | ELEC-5.1.3 | ..... | Makes : Crompton HS Plus / Havells ES PLUS/Orient Energy Star/ Halonix(Zephyr)/Polycab(Synergy 50 ISI) / G.M. (Air Wave Premium) |
| 177 | ELEC-5.1.4 | ..... | Makes: Crompton (HS Decora/Aura) / Bajaj Regal Star / Havells Festiva / Orient Ornamental Shine/Halonix(Halo) /Polycab(Elanza)/G.M. (G-Storm)/ Goldmedal(Orchid)/RJP(Aroma Super) |
| 178 | ELEC-5.1.5 | ..... | Makes : Crompton HS / Havells Velocity ES 50/Orient Summer Breeze Pro /Halonix(Zephyr)/Polycab(Synergy 50 ISI) |
| 179 | ELEC-5.1.6 | ..... | Makes: Crompton Wind Flo / Bajaj Elite / Havells Swing / Orient Wall 50/Halonix Krypton/G.M. (Bolt)/ Goldmedal(Nora-16) |
| 180 | ELEC-5.1.7 | ..... | Makes: Crompton Wind Flo / Bajaj Spectrum / Havells Swing / Orient Stand 37/Halonix Krypton/Polycab / G.M. (Bolt)/Goldmedal(Nora-16) |
| 181 | ELEC-5.1.8 | ..... | Makes: Crompton / Havells Turbo Force / Orient Tornado II / Almounard/Halonix Turbon/Polycab./ G.M. (Air-Burst)/ Goldmedal(Toofan) |
| 182 | ELEC-5.1.9 | ..... | Makes: Crompton / Havells Turbo Force / Almounard/Halonix |
| 183 | ELEC-5.1.10 | ..... | Makes: Crompton / Havells ciera / Orient Wall 11/Halonix |
| 184 | ELEC-5.1.11 | ..... | Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DSP / Orient hill air/Halonix /Polycab/G.M. (Xenix)/Goldmedal (Rapido-12) |
| 185 | ELEC-5.1.12 | | Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DSP / Orient hill air/Halonix /Polycab/ G.M. (Xenix)/Goldmedal (Rapido-9) |

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| 186 | ELEC-5.1.13 | | Makes: Crompton / Almounard / Havells Ventil Air-DB |
| 187 | ELEC-5.1.14 | | Makes: Crompton / Almounard / Havells Turbo Force/Halonix Krypton |
| 188 | ELEC-5.1.15 | ..... | Makes: Crompton / Almounard / Havells Turbo Force/Halonix Krypton |
| | 5.2 | | WATER HEATERS (Conventional & Solar) |
| 189 | ELEC-5.2.1 | ..... | Makes : Crompton Solarium (Neo/Qube) / Jaquar Elena / Venus Lyra / Racold Andris Lux Plus / AO Smith HSE SDS Plus /Havells Puro DX/Warmex |
| 190 | ELEC-5.2.2 | ..... | Make:TATA / BHEL/ BOSCH/ ETC/V-GUARD /RACOLD |
| 191 | ELEC-5.2.3 | ..... | Make:TATA / BHEL/ BOSCH/ ETC/V-GUARD /RACOLD |
| 192 | ELEC-5.2.4 | ..... | Make:Jaquar/AO Smith/Voltex/Racold /Rheem |
| 193 | ELEC-5.2.5 | ..... | Make:Jaquar/AO Smith/Voltex/Racold /Rheem |
| | 5.4 | | PUMPSETS |
| | | | SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS |
| 194 | ELEC-5.4.1 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ PSG/AryenVarsha/ Falcon |
| 195 | ELEC-5.4.2 | CATEGOR Y- II | Makes: Plugra / Sterling / Kumar / Unnati zen/Duke/Lada/Ellen/ Suguna/UNltek/KSP(Karunya)/Anco/Sabar/Fitwell/Deccan /Karvel / SILVER |
| | | | THREE PHASE SUBMERSIBLE MOTOR PUMP SETS. |
| 196 | ELEC-5.4.3 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ PSG/AryenVarsha/Falcon |
| 197 | ELEC-5.4.4 | CATEGOR Y- II | Makes: Plugra / U-Neel / Sterling / Kumar / Unnati zen/Duke/Lada/Ellen/ Suguna/ UNltek/KSP(Karunya)/ Anco/ Sabar/ Fitwell/Deccan/Karvel/ SILVER |
| 198 | ELEC-5.4.5 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ PSG/AryenVarsha/Falcon |
| 199 | ELEC-5.4.6 | CATEGOR Y- II | Makes: Plugra / U-Neel / Sterling /Kumar / Unnati zen/Duke/Lada/Ellen/ Suguna/UNltek /KSP (Karunya) /Anco/ Sabar/Fitwell/Polycab/Deccan/Karvel/ SILVER |
| | | | SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS |
| 200 | ELEC-5.4.7 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/PSG/ AryenVarsha/Falcon |
| 201 | ELEC-5.4.8 | CATEGOR Y- II | Makes: Plugra / U-Neel / Sterling / Kumar / Unnati zen/Duke/LDK/Ellen/ Suguna/UNltek /KSP (Karunya) / Anco/ Sabar/Fitwell/Deccan/Karvel/ SILVER |
| | | | THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS |
| 202 | ELEC-5.4.9 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi /PSG/ AryenVarsha/Falcon |
| 203 | ELEC-5.4.10 | CATEGOR Y- II | Makes: Plugra / U-Neel / Sterling / Kumar / Unnati zen/Duke/LDK/Ellen/ Suguna/UNltek/ KSP(Karunya) /Polycab/ Anco/ Sabar /Fitwell/Deccan/Karvel/ SILVER |
| | | | SINGLE PHASE MONO BLOCK MOTOR PUMP SETS. |
| 204 | ELEC-5.4.11 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi / Havells Hi-flow V2 / PSG/AryenVarsha/Falcon |
| 205 | ELEC-5.4.12 | CATEGOR Y- II | Makes: Plugra / U-Neel / Sterling /Kumar / Unnati zen/Ellen/LDK/Suguna/ UNltek/Polycab/Anco/ |

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| | | | Sabar/Fitwell/Deccan/Karvel / SILVER |
| 206 | ELEC-5.4.13 | CATEGOR Y- I | Makes: Kirloskar / Crompton / Texmo / CRI / KSB /Lubi/ AryenVarsha/Falcon |
| 207 | ELEC-5.4.14 | CATEGOR Y- II | Makes: Pluga / U-Neel / Sterling /Kumar / Unnati zen/Ellen/LDK/Suguna/ UNIttek/Polycab/Anco/ Sabar/Fitwell/Deccan/Karvel/ SILVER |
| | | | CONTROL PANEL BOARD FOR MOTOR PUMPSETS |
| 208 | ELEC-5.4.15 | ..... | make C&S/LTLK/ Seimens/ BCH/KSP(Karunya)/ Crompton. complete., |
| 209 | ELEC-5.4.16 | ..... | make C&S/LTLK/Seimens/BCH /KSP(Karunya) /Crompton. complete., |
| 210 | ELEC-5.4.17 | ..... | Voltmeter ;. Makes: L&T / C&S / SALZAR / HPL/ AEI / Meco / Rishab Ammeter Makes: L&T / C&S / SALZAR / HPL/ AEI / Meco / Rishab Single phase preventor Makes: L&T / Minilec / Powertec. 32 A TP, 10KA MCB. Makes: Legrand / Schneider capacitor Makes: L&T / Siemens / Schneider / Epcos/Havells. |
| | a | ..... | Make C&S.Crompton / L&T /KSP/ Siemens/BCH. |
| | b | ..... | Make C&S/Crompton / L&T / Siemens/BCH. |
| | c | ..... | Make C&S/Crompton / L&T / Siemens/BCH. |
| 211 | ELEC-5.4.18 | ..... | Makes: Siemens / Crompton / L&T (MF1) |
| 212 | ELEC-5.4.19 | ..... | Makes: Siemens / Crompton / L&T (MK2 DOL). |
| 213 | ELEC-5.4.20 | ..... | Makes: Siemens / Crompton / L&T (MU1 DOL) |
| | | | UPVC PIPES AND FITTINGS |
| 214 | ELEC-5.4.21 | ..... | Makes : Ashirvad / Finolex / Waterflo /Sudhakar/Precision. |
| 215 | ELEC-5.4.27 | ..... | Makes : Ashirvad / Finolex / Waterflo |
| 216 | ELEC-5.4.28 | ..... | Makes : Ashirvad / Finolex / Waterflo / Apollo |
| | 5.1 | | AIR CONDITIONERS |
| | | | |
| | ELEC-5.5.1 | | 1.5TR Split ACs |
| | a | CATEGOR Y- I | Deleted |
| | b | CATEGOR Y- II | Deleted |
| | | | 2.0 TR Split Acs |
| | c | CATEGOR Y- I | Deleted |
| | d | CATEGOR Y- II | Deleted |
| | | | Inverter Split AC Unts (Cooling Only) |
| 217 | ELEC-5.5.1 A | | 1.5TR Split ACs |
| | a | CATEGOR Y- I | Makes: Mitsubishi / O General /Toshiba (prevailing models in the market) |
| | b | CATEGOR Y- II | Makes: Blue Star / Daikin / Hitachi / Voltas / Carrier /LG (prevailing models in the market) |
| | | | 2.0 TR Split Acs |

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| | c | CATEGOR Y- I | Makes: Mitsubishi / O General / Toshiba (prevailing models in the market) |
| | d | CATEGOR Y- II | Makes: / Hitachi / Blue Star / Daikin / Voltas /Carrier/ LG (prevailing models in the market) |
| 218 | ELEC-5.5.2 | | 0.8/ 1.0TR Split Acs |
| | a | CATEGOR Y- I | Makes: Mitsubishi MSY-GN10VF/ O General ASGG12CGTA-B/ Toshiba |
| | b | CATEGOR Y- II | Makes: Blue star /Carrier /Hitachi/Daikin/ LG-Q12KNZA |
| | c | CATEGOR Y- I | Makes: Mitsubishi MSY-GN13VF/ O General ASGG14CGTA-B/ Toshiba RAS-13U2KCVSG-IN |
| | d | CATEGOR Y- II | Makes: Blue Star IC512DATUL / Carrier Emperia Nxi / Hitachi / Daikin/ LG-Q12KNZA |
| | | | 1.5, 1.8 & 2.0TR Split Acs |
| | e | CATEGOR Y- I | Makes: Mitsubishi MSY-GN18VF / O General ASGG18CGTA-B/Toshiba RAS-18U2KCVSG-IN |
| | f | CATEGOR Y- II | Makes: / Blue Star IC718DCTU / Daikin FTKG50TV16U / Hitachi/Carrier Emperia Nxi / LG-Q18KNZA |
| | g | CATEGOR Y- I | Makes: Mitsubishi MSY-GN22VF / O General /Toshiba |
| | h | CATEGOR Y- II | Makes: Blue star / Hitachi / Daikin |
| | i | CATEGOR Y- I | Makes: Mitsubishi MSY- GN26VF /O General ASGG24CGTA-B/Toshiba RAS-24U2KCVSG-IN |
| | j | CATEGOR Y- II | Makes: Blue star IC524DBTU / Hitachi / Daikin/Carrier Emperia Nxi |
| | | | INVERTER CASSETTE TYPE AC UNITS |
| 219 | ELEC-5.5.35 | | |
| | a | CATEGOR Y- I | Makes: Mitsubishi PLY- SP18EA / Toshiba RAV-SE561UP / O General. |
| | b | CATEGOR Y- I | Makes: Mitsubishi PLY- SP24EA / O General AUGA25FRTA-B / Toshiba RAV-SE801UP |
| | c | CATEGOR Y- II | Makes: Blue Star3HNCS24YAF/ Daikin / Carrier/ LG |
| | d | CATEGOR Y- I | Makes: Mitsubishi PLY- SP42EA / O General /Toshiba |
| | e | CATEGOR Y- II | Makes: Daikin / Bluestar / Carrier |
| | f | CATEGOR Y- I | Makes: Mitsubishi PLY-SP48EA / O General / Toshiba RAV- SE1251UP |
| | g | CATEGOR Y- II | Makes: Blue Star / Carrier / Daikin/LG |
| | | | TOWER MODEL (Vertical) TYPE AC UNITS |
| 220 | ELEC-5.5.36 | | |
| | a | ..... | Makes: Carrier /Daikin / Blue Star |
| | b | ..... | Makes: Carrier /Daikin / Blue Star |
| | c | ..... | Makes: Carrier /Daikin / Blue Star |
| | | | HVAC SYSTEMS(VRV/VRF) |
| 221 | ELEC-5.6.1 | CATEGOR Y- I | Makes: Mitsubishi /DAIKIN/Toshiba/O General |
| 222 | ELEC-5.6.2 | CATEGOR | Makes: LG/Voltas/Blue star/Hitachi/Carrier/Samsung |

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| | | Y- II | |
| 223 | ELEC-5.6.6 | CATEGOR Y- I | Makes: Mitsubishi /DAIKIN/Toshiba/ O General |
| 224 | ELEC-5.6.7 | CATEGOR Y- II | Makes: LG/Voltas/Blue star/Hitachi/Carrier/Samsung |
| 225 | ELEC-5.6.8 | CATEGOR Y- I | Makes: Mitsubishi /DAIKIN/Toshiba /O General |
| 226 | ELEC-5.6.9 | CATEGOR Y- II | Makes: LG/Voltas/Blue star/Hitachi/Carrier/Samsung |
| 227 | ELEC-5.6.10 | CATEGOR Y- I | Makes: Mitsubishi /DAIKIN/Toshiba/ O General |
| 228 | ELEC-5.6.11 | CATEGOR Y- II | Makes: LG/Voltas/Blue star/Hitachi/Carrier/Samsung |
| 229 | ELEC-5.6.13 | CATEGOR Y- I | Makes: Mitsubishi /DAIKIN/Toshiba/ O General |
| 230 | ELEC-5.6.14 | CATEGOR Y- II | Makes: LG/Voltas/Blue star/Hitachi/Carrier/Samsung |
| | | | Refrigerant Piping |
| 231 | 5.6.20 | ..... | Makes:Totaline/Mandav/Mexico |
| 232 | ELEC-5.6.25 | ..... | Makes:TATA/Jindal |
| | 5.7 | | EVAPORATIVE AIR COOLING SYSTEM |
| 233 | ELEC-5.7.1 | ..... | Makes: Cool Breeze / Breeze Air |
| 234 | ELEC-5.7.2 | ..... | Makes: Cool Breeze /Breeze Air |
| | | | STABILIZERS |
| 235 | ELEC-5.8.1 | CATEGOR Y- I | Makes: V-Guard / Real Guard / Uni Stab / ITL. |
| 236 | ELEC-5.8.2 | CATEGOR Y- II | Makes: Keeline / Soft Line |
| | 5.9 | | REPAIRING OF FANS, COOLERS, PUMPS, MOTORS, FRIDGES AND AIRCONDITIONERS |
| 237 | ELEC-5.9.16 | ..... | Makes:Carrier/ Kirlosker/ Techam-Shah/ Shriram/ Voltas |
| 238 | ELEC-5.9.17 | ..... | Makes: DAIKIN/LG/Carrier/Kirloskar/Techam-shah |
| 239 | ELEC-5.9.25 | ..... | Make: Copper:Totaline /Nippon /Mandev/Nitrile Insulation: Kflex/ Totaline /Armaflex |
| 240 | ELEC-5.9.26 | ..... | Makes : Crompton / AU. |
| 241 | ELEC-5.9.38 | ..... | Makes : Mitsubishi /DAIKIN/Toshiba/O General/ LG/Voltas/Blue star/Hitachi/Carrier/Samsung |
| 242 | ELEC-5.10.1 | ..... | Makes :- 1. FAN – KRUGER / ZIEHL-ABEGG 2. MOTORS – ABB/SIEMENS/BBL 3. FILTERS – CAMFIL/THERMADYNE 4. VFD DRIVE - DANFOSS / ABB 5. AHU - EDGE TECH / ZRCO/ CITIZEN/ BOOPATHY |
| 243 | ELEC-5.10.2- 5.10.7 | | Makes:- Crystal Air/Kruger/ System Air/ Carry Air/ Edgetech/ Greenheck/ Aerotech |
| 244 | ELEC-5.10.8 | | Make : Dyna / American Air Filter / M.K Precesion |
| | | | SECTION 6 |
| | 6.1 | | SWAGED / OCTAGONAL POLES AND GARDEN POSTS |
| | | | OCTOGONAL POLES |

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| 245 | ELEC-6.1.4 | | Makes: Bajaj / Valmont/Laasma /Transrail/Utkarsh/ Skipper/Consoul |
| 246 | ELEC-6.1.5 | ..... | Makes: Bajaj / Valmont/Laasma /Transrail/Utkarsh/ Skipper/Consoul |
| 247 | ELEC-6.1.6 | ..... | Makes: Bajaj / Valmont/Laasma/Transrail/Utkarsh/ Skipper/Consoul |
| 248 | ELEC-6.1.7 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| | | | DECORATIVE DRAGON TYPE BRACKET WITH POLE |
| 249 | ELEC-6.1.8 | ..... | Makes: Bajaj / Valmont/Laasma /Transrail/Utkarsh/ Skipper/Consoul |
| 250 | ELEC-6.1.10 | ..... | Makes: Bajaj / Valmont/Laasma /Transrail/Utkarsh/ Skipper/Consoul |
| | | | POLE BRACKETS |
| 251 | ELEC-6.1.11 | ..... | Makes: Bajaj / Valmont/Laasma /Transrail/Utkarsh/ Skipper/Consoul |
| 252 | ELEC-6.1.12 | ..... | Makes: Bajaj / Valmont/Laasma //Transrail/Utkarsh/ Skipper/Consoul |
| 253 | ELEC-6.1.13 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 254 | ELEC-6.1.14 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 255 | ELEC-6.1.15 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 256 | ELEC-6.1.16 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 257 | ELEC-6.1.17 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 258 | ELEC-6.1.18 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 259 | ELEC-6.1.19 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| 260 | ELEC-6.1.20 | ..... | Makes: Bajaj / Valmont/Laasma//Transrail/Utkarsh/ Skipper/Consoul |
| | | | HIGH MAST POLES |
| 261 | ELEC-6.1.21 | ..... | Makes: Bajaj / Valmont/Laasma/Transrail/Utkarsh/ Skipper/Consoul |
| 262 | ELEC-6.1.22 | ..... | Makes: Bajaj / Valmont/Laasma/Transrail/Utkarsh/ Skipper/Consoul |
| 263 | ELEC-6.1.23 | ..... | Makes: Bajaj / Valmont/Laasma /Transrail/Utkarsh/ Skipper/Consoul |
| | | | FEEDER PILLAR BOXES |
| 264 | ELEC-6.1.24 | ..... | FP MCBmake :Legrand / Schnieder / L&T |
| 265 | ELEC-6.1.25 | ..... | FP MCBmake :Legrand / Schnieder / L&T |
| | | | ERRECTION- HIGH MAST POLES |
| 266 | ELEC-6.1.29 | ..... | Make : Hensel/Sadhrish |
| | | | GRP POLES |
| 267 | ELEC-6.1.34 | ..... | Makes: Bajaj / Kemrock / Valmont/Sumip/Helipole |
| 268 | ELEC-6.1.35 | ..... | Makes: Bajaj / Kemrock / Valmont/Sumip / Helipole |
| | 6.2 | | LT PANEL AND ACCESSORIES |
| 269 | ELEC-6.2.3 | | .Make: Conzerve/Elmeasure/Meco/HPL/L&T/socomec |
| 270 | ELEC-6.2.4 | | Make: Conzerve/Elmeasure/ |

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| | | | Meco/HPL/L&T/Schneider/AE/Socomec |
| 271 | ELEC-6.2.5 | | Make: Kappa/L&T/Seimens/C&S/Schneider |
| 272 | ELEC-6.2.6 | ..... | Make: L&T /C&S/SALZER/HPL |
| 273 | ELEC-6.2.7 | ..... | Make: L&T /C&S/SALZER/HPL |
| 274 | ELEC-6.2.8 | ..... | Makes: CONZERVE / ELMEASURE / MECO / HPL / HAVELLS/L&T. |
| 275 | ELEC-6.2.12 | ..... | Makes: L&T/Seimens/Epcos/Schneider/Havells |
| 276 | ELEC-6.2.13 | ..... | Makes: L&T/Seimens/Epcos /Schneider/ ABB/Neptune |
| 277 | ELEC-6.2.14 | ..... | makes: L&T (SALZER)/ABB/Schneider/Seimens/C&S/HPL |
| 278 | ELEC-6.2.15 | ..... | Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells |
| 279 | ELEC-6.2.16 | ..... | Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells |
| 280 | ELEC-6.2.17 | ..... | Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells |
| 281 | ELEC-6.2.18 | ..... | Make:Seimens/ ABB/ Schneider/L&T/C&S/HPL |
| | 6.3 | | SUB STATION EQUIPMENT AND TRANSFORMERS |
| 282 | ELEC-6.3.1 | ..... | make:as approved By DISCOMs |
| 283 | ELEC-6.3.1a | ..... | Make:ABB/ Megawin/Amara Raja/L&T |
| 284 | ELEC-6.3.2 | | Makes:ABB/Schneider/Seimens/Kirlos kar/Amara Raja/Megawin/L&T |
| 285 | ELEC-6.3.3 | ..... | Makes:ABB/Schneider/Seimens/Kirlos kar/Amara Raja/Megawin/L&T |
| | | | Oil Immersed TRANSFORMERS |
| 286 | ELEC-6.3.4 | CATEGOR Y- I | Make:ABB/ALSTOM/SEIMENS/Kirloskar/Voltamp/ Esennar/KPEL/SSE/THOTA / Vajra |
| 287 | ELEC-6.3.4 A | CATEGOR Y- II | Deleted |
| 288 | ELEC-6.3.5 | CATEGOR Y- I | Makes:Schneider/Kirloskar/Voltamp/ Esennar/ Toshiba/ KPEL/ Powertech /SSE / THOTA / Vajra |
| 289 | ELEC-6.3.5 A | CATEGOR Y- II | Deleted |
| 290 | ELEC-6.3.5 B | CATEGOR Y- I | Make:Schneider/Kirloskar/Voltamp/ Esennar/ Toshiba/ KPEL/ Powertech /SSE/ THOTA / Vajra |
| 291 | ELEC-6.3.5 C | CATEGOR Y- II | Deleted |
| 292 | ELEC-6.3.6 | ..... | Make:ABB/ALSTOM/SEIMENS/Crompton/Kirloskar/Volta mp/ Esennar |
| 293 | ELEC-6.3.7 | ..... | Make:ABB/ALSTOM/SEIMENS/Crompton/Kirloskar/Volta mp/ Esennar |
| | 6.6 | | LIGHTENING PROTECTIVE SYSTEM |
| | | | Advanced LPS |
| 294 | ELEC-6.6.1 a | ..... | Make : THUNDERGUARD(EARTHPLUS)/ KALRE/ NIMBUS / FOREND |
| 295 | ELEC-6.6.1 b | ..... | Make : THUNDERGUARD(EARTHPLUS)/ KALRE/ NIMBUS / FOREND |
| 296 | ELEC-6.6.1 c | ..... | Make : THUNDERGUARD(EARTHPLUS)/ KALRE/ NIMBUS / FOREND |
| 297 | ELEC-6.6.3 | ..... | Make: EARTHPLUS (THUNDER GUARD) / NIMBUS / KALRE / FOREND |
| 298 | ELEC-6.6.5 | | Make: EARTHPLUS /CIRPROTEC /INDALAC / INGESCO |
| | | | SECTION 7 |

| | 7.0 | | LOCAL AREA NETWORK |
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| 299 | ELEC-7.1.1 | | Makes: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand |
| 300 | ELEC-7.1.2 | | Makes: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand |
| 301 | ELEC-7.1.3 | ..... | Makes: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand |
| 302 | ELEC-7.1.4 | ..... | Makes: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand |
| 303 | ELEC-7.1.5 | ..... | Makes: Systimax /Legrand/Molex/Krone /AMP |
| 304 | ELEC-7.1.6 | ..... | Makes: Systimax/Legrand/Molex/Krone /AMP |
| 305 | ELEC-7.1.7 | ..... | Makes: Systimax/Legrand/Molex/Krone /AMP |
| 306 | ELEC-7.1.8 | ..... | Makes: Systimax/Legrand/Molex/Krone /AMP |
| 307 | ELEC-7.1.9 | ..... | Makes: Systimax /Legrand/Molex/Panduit/Siemond/AMP |
| 308 | ELEC-7.1.10 | ..... | Makes:Systimax /Legrand/Molex/Panduit/Siemond/AMP |
| 309 | ELEC-7.1.11 | ..... | Makes: Systimax/Legrand/Molex/Panduit/Siemond/AM P |
| 310 | ELEC-7.1.12 | ..... | Makes: Systimax /Legrand/Molex/Panduit/Siemond/AMP |
| 311 | ELEC-7.1.13 | ..... | Makes: Systimax /Legrand/Molex/Panduit/Siemond/AMP |
| 312 | ELEC-7.1.14 | ..... | Make: APW/HCL/Valrack/Netrack |
| 313 | ELEC-7.1.15 | ..... | Make: APW/HCL/Valrack/Netrack |
| | | | MANAGEBLE NET WORK SWITCHES |
| 314 | ELEC-7.1.16 | ..... | Makes : Cisco Model SG350-28 or equivalent in Juniper/Extreme |
| 315 | ELEC-7.1.17 | ..... | Makes :Cisco Model SG300-52 or equivalent in Juniper/Extreme |
| 316 | ELEC-7.1.18 | ..... | Makes : Cisco Model:SG-350- 8PP or equivalent in Juniper/Extreme |
| 317 | ELEC-7.1.19 | ..... | Makes : Cisco Model:SG-350-28PP or equivalent in Juniper/Extreme |
| 318 | ELEC-7.1.20 | ..... | Makes :Cisco Model SG350-28SFP or equivalent in Juniper/Extreme |
| 319 | ELEC-7.1.21 | ..... | Makes: CISCO WS - C2960+24TC-L or equivalent in JUNIPER/ EXTREME |
| 320 | ELEC-7.1.22 | ..... | Makes: CISCO WS- C2960+48TC-L or equilent in JUNIPER/EXTREME |
| 321 | ELEC-7.1.23 | ..... | Make: CISCO-C2960+24PC-L or equilent in JUNIPER/EXTREME |
| 322 | ELEC-7.1.24 | ..... | Make: CISCO-C2960+48PST-L or equilent in JUNIPER/EXTREME |
| 323 | ELEC-7.1.25 | ..... | Make: CISCO WS - C2960X-24TS-L or equivalent in JUNIPER/ EXTREME |
| 324 | ELEC-7.1.26 | ..... | Make: CISCO WS - C2960X-48TS-L or equivalent in JUNIPER/ EXTREME |
| 325 | ELEC-7.1.27 | ..... | Make : Cisco Aironet 1815i or equivalent in Ruckus/Aruba |
| 326 | ELEC-7.1.28 | ..... | TP-LINK/D-LINK/Net gear, Model no: TL SG2210MP, TL SG2428P |
| 327 | ELEC-7.1.29 | ..... | TP-LINK/D-LINK/Net gear |
| 328 | ELEC-7.1.30 | ..... | Make-D-Link Model No. DGS1210-8P or its equivalent make in Cisco/Netgear/HP |
| 329 | ELEC-7.1.31 | | Make-D-Link Model No. DGS1210-28P or its equivalent make in Cisco/Netgear/HP |

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| 330 | ELEC-7.1.32 | | Makes: Finolex/RR kabel/Havells/ KEI/Polycab/ Gloster/V-Guard/HPL/GM/ Million/Goldmedal/Anchor. |
| 331 | ELEC-7.1.33 | ..... | Make : BELKIN or any reputed approved make |
| 332 | ELEC-7.1.34 - ELEC- 7.1.37 | ..... | Makes: D-Link / TP-Link/ Netgear/Cisco |
| | 7.3 | | COMPUTERS,PRINTERS AND SCANNERS |
| 333 | ELEC-7.3.1 | ..... | Model : HP ProDesk or its equivalent in Dell/Lenova |
| 334 | ELEC-7.3.2 | ..... | Model : HP ProDesk or its equivalent in Dell/Lenova |
| 335 | ELEC-7.3.3 | ..... | Make : HP LaserJet 1020 Plus Printer (OR) It's Equivalent in Canon /Epson |
| 336 | ELEC-7.3.4 | ..... | makes: Canon imageCLASS MF244dw /HP/Brother DCPB7535DW or its equivalent |
| 337 | ELEC-7.3.5 | ..... | Make : Brother ADS-2400N document scanner (OR) It's Equivalent in Canon/HP |
| 338 | ELEC-7.3.6 | ..... | Makes: Finolex / Delton / Surabi / Polycab |
| 339 | ELEC-7.3.7 | ..... | Makes: Krone or its equivalent. |
| 340 | ELEC-7.3.8 | ..... | Makes: Finolex / Delton / Surabi / Polycab. |
| 341 | ELEC-7.3.9 | ..... | Makes: Finolex / Delton / Surabi / Polycab |
| 342 | ELEC-7.3.10 | ..... | Makes: Finolex / Delton / Surabi / Polycab |
| 343 | ELEC-7.3.11 | ..... | Makes: Finolex / Delton / Surabi / Polycab. |
| | ELEC-7.3.16 | | Makes : Beetel / NEC/ Alcatel /Avaya/Seimens. |
| | | | EPABX SYSTEM |
| | 7.4 | | SMALL SYSTEM |
| 344 | ELEC-7.4.1 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 345 | ELEC-7.4.2 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 346 | ELEC-7.4.3 | ..... | Makes: NEC/ Alcatel /Avaya/Seimens |
| 347 | ELEC-7.4.4 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 348 | ELEC-7.4.5 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| | 7.5 | | LARGE SYSTEM |
| 349 | ELEC-7.5.1 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 350 | ELEC-7.5.2 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 351 | ELEC-7.5.3 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 352 | ELEC-7.5.4 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| 353 | ELEC-7.5.5 | ..... | Makes: NEC/ Alcatel /Avaya/Siemens |
| | | | CCTV & SURVEILLANCE SYSTEM |
| 354 | ELEC-7.6.1 | ..... | makes Honeywell / Sony /Panasonic. |
| 355 | ELEC-7.6.2/ 7.6.3 | ..... | Make: MATRIX/ Honeywell/ Bosch/Tyco. |
| 356 | ELEC-7.6.4/ 7.6.5/7.5.6 | ..... | Makes Honeywell / Sony /Panasonic. |
| 357 | ELEC-7.6.7 | ..... | Make: Seagate/Hitachi/TOSHIBA |
| 358 | ELEC-7.6.8 | ..... | Make- Samsung QB55R or its equivalent make in Dell / LG / Samsung / Lenovo / HP |
| 359 | ELEC-7.6.9 | ..... | Make: Dell / LG / Samsung / Lenovo / HP |
| | | | PUBLIC ADDRESSING SYSTEM |
| 360 | ELEC-7.7.1 - ELEC-7.7.7 | | Make: Bosch/ Honeywell. |
| 361 | ELEC-7.7.8/ 7.7.9/7.7.10 | | Make: Ahuja/Mega/Studio Master |
| 362 | ELEC- 7.7.11/7.7.12 | | Makes - Bosch/Honeywell |

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| 363 | ELEC-7.7.13/7.7.14 | | Make: Ahuja/Mega/Studio Master. |
| 364 | ELEC-7.7.15 | | Make: Prevailing models in Market. |
| | | | AUDIO-VIDEO SYSTEM |
| 365 | ELEC-7.8.1 | | Make: - Hitachi/ BenQ/ Sony/ Panasonic/LG |
| 366 | ELEC-7.8.2/7.8.3 | | Makes: Sony / NEC/Panasonic/Christie / Hitachi/Epson |
| 367 | ELEC-7.8.4 | | Make: OEM Make or Custom make. |
| 368 | ELEC-7.8.5 | | Make: Liberty/Suvira/Prolite. |
| 369 | ELEC-7.8.6 | | Make: Samsung/LG/Sony |
| 370 | ELEC-7.8.7 | | Make: OEM Make or Custom make. |
| 371 | ELEC-7.8.8/7.8.9 | | Make: Extron/Kramer |
| 372 | ELEC-7.8.10 | | Make: Custom make |
| 373 | ELEC-7.8.11 | | Make: NT/Customs. |
| 374 | ELEC-7.8.12 | | Make: Logitech |
| 375 | ELEC-7.8.13/7.8.14/7.8.15 | | Makes: Sennheiser / AKG / Electrovoice/JBL/Bose |
| 376 | ELEC-7.8.16 | | Makes: BSS / Xilica / Bose/JBL/Sennheiser |
| 377 | ELEC-7.8.17 | | Makes: Bose / JBL / Electrovoice |
| 378 | ELEC-7.8.18 | | Makes: Bose / Crown / Dynacord / Audac |
| 379 | ELEC-7.8.19 | | Makes: Bose / JBL / Dynacord / Audac |
| 380 | ELEC-7.8.20 | | Makes: Bose / JBL / Electrovoice |
| 381 | ELEC-7.8.21 | | Makes: Bose / JBL / Electrovoice |
| 382 | ELEC-7.8.22/7.8.23/7.8.24 | | Make: Electro-Voice/Bose/ JBL/Signature |
| 383 | ELEC-7.8.25 | | Make: Prevailing models in Market. |
| 384 | ELEC-7.8.26 | | Make: Prevailing models in Market. |
| 385 | ELEC-7.8.27 to ELEC-7.8.32 | | Makes: Extron / AMX / Lightware |
| 386 | ELEC-7.8.33 | | Amrutha Technologies/Dolphin Automation & Technology/Mangal Security Systems |
| | 8.1 | | MISCELLANEOUS ITEMS |
| | | | NIL |
| | 9.1 | | WIRELESS FIRE ALARM SYSTEM |
| 387 | ELEC-9.1.1 | ..... | Makes: Cease Fire / Visonic / Honeywell |
| 388 | ELEC-9.1.2 | ..... | Makes: Cease Fire / Visonic /Honeywell. |
| 389 | ELEC-9.1.3 | ..... | Makes: Cease Fire / Visonic / Honeywell. |
| 390 | ELEC-9.1.4 | ..... | Makes: Cease Fire / Visonic / Honeywell. |
| | 9.2 | | ADDRESSABLE - FIRE ALARM SYSTEM |
| 391 | ELEC-9.2.1 a - f | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 392 | ELEC-9.2.2 a - f | CATEGOR Y- II | Makes: Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo |
| 393 | ELEC-9.2.3 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 394 | ELEC-9.2.4 | CATEGOR Y- II | Makes: Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo |
| 395 | ELEC-9.2.5 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 396 | ELEC-9.2.6 | CATEGOR | Makes: Siemens / Morley / Honeywell/ |

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| | | Y- II | Ravel/Seaara/Apollo |
| 397 | ELEC-9.2.7 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 398 | ELEC-9.2.8 | CATEGOR Y- II | Makes:Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo |
| 399 | ELEC-9.2.9 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 400 | ELEC-9.2.10 | CATEGOR Y- II | Makes: Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo. |
| 401 | ELEC-9.2.11 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 402 | ELEC-9.2.12 | CATEGOR Y- II | Makes:Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo. |
| 403 | ELEC-9.2.13 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 404 | ELEC-9.2.14 | CATEGOR Y- II | Makes: Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo. |
| 405 | ELEC-9.2.15 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 406 | ELEC-9.2.16 | CATEGOR Y- II | Makes:Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo. |
| 407 | ELEC-9.2.17 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 408 | ELEC-9.2.18 | CATEGOR Y- II | Makes:Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo . |
| 409 | ELEC-9.2.19 | CATEGOR Y- I | Makes: Notifier / Edwards/Bosch |
| 410 | ELEC-9.2.20 | CATEGOR Y- II | Makes:Siemens / Morley / Honeywell/ Ravel/Seaara/Apollo. |
| | 9.3 | | CONVENTIONAL - FIRE ALARM SYSTEM |
| 411 | ELEC-9.3.1 | ..... | Makes: System Censor / Ravel/Vertex |
| 412 | ELEC-9.3.2 | ..... | Makes: Makes: System Censor / Ravel/Vertex |
| 413 | ELEC-9.3.3 | ..... | Makes: System Censor / Ravel/Vertex |
| 414 | ELEC-9.3.4 | ..... | Makes: System Censor / Ravel/Vertex |
| 415 | ELEC-9.3.5 | ..... | Makes: System Censor / Ravel/Vertex/Apollo. |
| 416 | ELEC-9.3.6 | ..... | Makes: Makes: System Censor / Ravel/Vertex |
| 417 | ELEC-9.3.7 | ..... | Makes: System Censor / Ravel/Vertex |
| 418 | ELEC-9.3.8 | ..... | Makes: System Censor / Ravel/Vertex |
| | 9.4 | | POWDER BASED FIRE EXTINGUISHERS |
| 419 | ELEC-9.4.1 | CATEGOR Y- I | Makes : Cease Fire / Minimax |
| 420 | ELEC-9.4.2 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech/Kartar |
| 421 | ELEC-9.4.3 | CATEGOR Y- I | Makes : Cease Fire / Minimax |
| 422 | ELEC-9.4.4 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech/Kartar |
| 423 | ELEC-9.4.5 | CATEGOR Y- I | Makes : Cease Fire / Minimax |
| 424 | ELEC-9.4.6 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech/Kartar |
| 425 | ELEC-9.4.7 | CATEGOR | Makes : Cease Fire / Minimax |

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| | | Y- I | |
| 426 | ELEC-9.4.8 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech/Kartar |
| | | | CLEAN AGENT FIRE EXTINGUISHERS |
| 427 | ELEC-9.4.9 | CATEGOR Y- I | Makes : Cease Fire / Minimax |
| 428 | ELEC-9.4.10 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech |
| 429 | ELEC-9.4.11 | CATEGOR Y- I | Makes : Cease Fire / Minimax |
| 430 | ELEC-9.4.12 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech |
| 431 | ELEC-9.4.13 | CATEGOR Y- I | Makes : Cease Fire / Minimax |
| 432 | ELEC-9.4.14 | CATEGOR Y- II | Makes : Safex / Kenex / Bharat / Reliance/NewTech/Kartar |
| 433 | ELEC-9.4.15 | ..... | Makes: Cease Fire or its equivalent make Model-1ES01 |
| | | | AEROSOL GENERATION SYSTEM (An alternative to water based sprinkler system) |
| 434 | ELEC-9.4.19 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 435 | ELEC-9.4.20 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 436 | ELEC-9.4.21 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 437 | ELEC-9.4.22 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 438 | ELEC-9.4.23 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 439 | ELEC-9.4.24 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 440 | ELEC-9.4.26 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| 441 | ELEC-9.4.27 | ..... | Makes: SEAARA/AGS/SALAMANDRA |
| | ELEC-9.4.30 | ..... | Makes: Reliance or equivalent approved by APSDR&FS Deptt. |
| | 9.5 | | FIRE HYDRANT AND SPRINKLER SYSTEM |
| | | | ELECTRIC DRIVEN MAIN FIRE PUMPS(SPLIT CASE) |
| 442 | ELEC-9.5.1 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| 443 | ELEC-9.5.2 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| 444 | ELEC-9.5.3 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| 445 | ELEC-9.5.4 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| 446 | ELEC-9.5.5 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| | | | DIESEL ENGINE DRIVEN FIRE PUMPS |
| 447 | ELEC-9.5.6 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| 448 | ELEC-9.5.7 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| 449 | ELEC-9.5.8 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| 450 | ELEC-9.5.9 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| 451 | ELEC-9.5.10 | | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |

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| | | | ELECTRIC DRIVEN MAIN FIRE PUMPS(END SUCTION) |
| 452 | ELEC-9.5.11 | | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| 453 | ELEC 9.5.12 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| 454 | ELEC 9.5.13 | ..... | Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar |
| | | | DIESEL ENGINE DRIVEN MAIN FIRE PUMPS(END SUCTION) |
| 455 | ELEC-9.5.14 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| 456 | ELEC-9.5.15 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| 457 | ELEC-9.5.16 | ..... | Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt |
| | | | JOCKEY PUMPS |
| 458 | ELEC-9.5.17 | ..... | Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar |
| 459 | ELEC-9.5.18 | ..... | Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar |
| 460 | ELEC-9.5.19 | ..... | Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar |
| | | | BOOSTER PUMPS |
| 461 | ELEC-9.5.20 | ..... | Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar |
| 462 | ELEC-9.5.21 | ..... | Makes : Kirloskar |
| 463 | ELEC-9.5.22 | ..... | Makes : Kirloskar |
| 464 | ELEC-9.5.23 | ..... | Makes : Kirloskar |
| | | | CONTROL PANELS |
| 465 | ELEC-9.5.24 | ..... | Makes: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL / Hager-h3/C&S -Winbreak2 Makes of Meters : Schneider (Conzerve) / L&T / Elmeasure / Siemens |
| 466 | ELEC-9.5.25 | ..... | Makes: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL / Hager-h3/C&S -Winbreak2 Makes of Meters : Schneider (Conzerve) / L&T / Elmeasure / Siemens |
| 467 | ELEC-9.5.26 | ..... | Makes: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL / Hager-h3/C&S -Winbreak2 Makes of Meters : Schneider (Conzerve) / L&T / Elmeasure / Siemens |
| 468 | ELEC-9.5.27 | ..... | Makes: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL / Hager-h3/C&S -Winbreak2 Makes of Meters : Schneider (Conzerve) / L&T / Elmeasure / Siemens |
| 469 | ELEC-9.5.28 | | Makes: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL / Hager-h3/C&S -Winbreak2 Makes of Meters : Schneider (Conzerve) / L&T / Elmeasure / Siemens |
| 470 | ELEC-9.5.29 | | Makes of MCCBs : L&T / Siemens / Legrand / Schneider / ABB / Hager |

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| | | | Makes of Meters : Schneider (Conzerve) / L&T / Elmeasure / Siemens |
| | | | MS PIPES |
| 471 | ELEC-9.5.30 | | Makes: Jindal / Hissar / Tata pipes/Prakash Surya |
| 472 | ELEC-9.5.31 | ..... | Makes: Newage/ Winco/ Padmini / Safex/Minimax/ Newtech/Honeywell/Kartar |
| 473 | ELEC-9.5.32 | ..... | Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / SANT/NEU-G/Honeywell//Kartar |
| 474 | ELEC-9.5.33 | ..... | Makes: BDK / NEU-G / Leader/ Zolotto / SANT/Honeywell//Kartar |
| 475 | ELEC-9.5.34 | ..... | Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto /SANT/NEU-G/Honeywell//Kartar |
| 476 | ELEC-9.5.35 | ..... | Make: NEU-G/Zolotto/Padmini/SANT/Honeywell/Kartar |
| 477 | ELEC-9.5.36 | ..... | Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech/Honeywell/Kartar |
| 478 | ELEC-9.5.37 | ..... | Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech/Honeywell/Kartar |
| 479 | ELEC-9.5.38 | ..... | Makes: Leader / Zolotto/SANT/Honeywell/Kartar |
| 480 | ELEC-9.5.39 | ..... | a) 36.6 Mtr Long 20mm (Nominal internal) dia water hose Thermoplastic / Textile reinforced / Rubber braided / Polypropylene Type - 2 as per IS:12585 Makes: Reliance/ Newage/ Safex/NewTech/Winco/Minimax/Kartar b) 20mm (Nominal internal) dia gun metal ball/gate valve and nozzle. Makes:NEU-G/SANT / Safex/Kartar. |
| 481 | ELEC-9.5.40 | ..... | makes:Minimax/Safex/Newage/Winco /Padmini/NewTech/Kartar |
| 482 | ELEC-9.5.41 a-b | ..... | Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech/Kartar. |
| 483 | ELEC-9.5.42 | ..... | . Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech/Honeywell/Kartar |
| 484 | ELEC-9.5.43 | ..... | Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech/Honeywell/Kartar |
| 485 | ELEC-9.5.45 | ..... | Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX/Kartar |
| 486 | ELEC-9.5.46 | ..... | Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX/Kartar |
| 487 | ELEC-9.5.47 | ..... | Makes : Danfoss / Indfoss /Systemsensor/Honeywell |
| 488 | ELEC-9.5.48 | ..... | Makes : System Sensor / Switzer/Honeywell |
| 489 | ELEC-9.5.49 | ..... | Makes : System Sensor / Switzer/Honeywell |
| 490 | ELEC-9.5.50 | ..... | MAKES: HGURU / FIEBIG |
| 491 | ELEC-9.5.51 | ..... | Makes : Zoloto / Leader / SANT/NEU- G/Kartar |
| 492 | ELEC-9.5.52 | ..... | Makes : Zoloto / Leader / SANT/NEU- G/Kartar |
| 493 | ELEC-9.5.53 | ..... | Makes : Zoloto / Leader / SANT/Kartar |
| 494 | ELEC-9.5.54 | ..... | Makes : Tyko/Newage/HD/Kartar |
| 495 | ELEC-9.5.55 | ..... | Makes : HD / TYCO / NEWAGE |
| 496 | ELEC-9.5.56 | ..... | Makes:Normex /SANT/Kartar |
| 497 | ELEC-9.5.58 | ..... | . Make:IWL(PIPE KOT) or its equivalent |
| 498 | ELEC-9.5.60 | | 1) DOL Starter Make C&S/ Crompton / L&T /KSP/ Siemens/BCH 2) Volt meter Make:Conzerve/Elmeasure/ Meco/ |

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| | | | HPL/L&T/ Socomec |
| | | | 3) Ammeter Make: Conzerve/Elmeasure/Meco/HPL/ L&T/ Schneider/AE/ Socomec |
| | | | 4) selector switch Make: L&T / C&S/ Salzer/HPL |
| | | | 5) Single Phase Preventor Makes: L&T / Minilec / Powertec. - 1No. |
| | | | 6) capacitor Makes: L&T / Siemens / Schneider / Epcos/Havells. |
| | | | 7) MPCB (Motor Protection Circuit Breaker) Makes: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL. |
| | | | 8) ON/OFF/TRIP push button actuators and integral contact block of dia. 22.5 mm i Make:Seimens/ ABB/ Schneider/ L&T/ C&S/HPL |
| | | | 9) power contactor Make: Seimens/ABB/ Schneider/L&T/C&S/HPL/Havells - 3 pole, 35-40A AC3 Rating, Contactor |
| | | | 10) thermal over load relay Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells - 1 No |
| | | | 11)Current Transformer Make: Kappa/L&T/ Seimens/ C&S/ Schneider - 3 No |
| 499 | ELEC-9.5.61 | ..... | Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech/Honeywell/ Kartar. |
| 500 | ELEC-9.5.62 | ..... | Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX/ KARTAR |
| 501 | ELEC-9.5.63 | ..... | Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto /SANT/NEUG/Honeywell/ Kartar |
| 502 | ELEC-9.5.64 a to e | ..... | Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / SANT/Honeywell/ Kartar |
| 503 | ELEC-9.5.65 | ..... | Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / SANT/Honeywell/ Kartar |
| 504 | ELEC-9.5.66 | ..... | Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX |
| 505 | ELEC-9.5.67 | ..... | . Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX |
| 506 | ELEC-9.5.69 | | Make of motor: Crompton, Kirloskar, Texmo, KSB,CRI, Suguna with ISI mark. Pump:Green tech,Kisan,Ultrajet, Pressurejet, Ambica tools, Searaa or any ISI |
| 507 | ELEC-9.5.70 | | Make Petrol engine: Honda, Kisan, Yamaha |
| 508 | ELEC-9.5.71 | | Make of motor: Crompton, Kirloskar, Texmo, KSB,CRI, Suguna with ISI mark. Pump:Green tech,Kisan,Ultrajet, Pressurejet, Ambica tools, Searaa or any ISI |
| | 10.1 | | GENERATORS SPECIFICATION |
| 509 | ELEC-10.1.1 a - e | ..... | Engine Makes:Cummins/Koel Green/Sterling/ mahindra/Elmot Power Gen/Ashok Leyland/Greaves Alternator Make:Stamford/ Kirloskar/ CromptonGreaves/Leroysoner |
| 510 | ELEC-10.1.1 f - j | | Engine Makes:Caterpillar/Cummins/Koel Green/Mahindra/Elmot power Gen/Ashok Leyland/Greaves |

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| | | | Alternator Make:Leroy somer/Crompton Greaves/Stamford |
| 511 | ELEC-10.1.1 k- p | | Engine Makes:Caterpillar/Perkins/Cummins/Greaves/ KOEL Alternator Make:Leroy somer/Crompton Greaves/Stamford |
| | 11.1 | | INVERTERS and ONLINE UPS SYSTEMS |
| 512 | ELEC-11.1.1 | ..... | Makes: Exide / Amar Raja / Samhitha/ Microtek |
| 513 | ELEC-11.1.2 | ..... | Makes: Numeric/APC/Fuji Electric/ Sakshham /Emerson |
| 514 | ELEC-11.1.3 | ..... | Makes: Numeric/APC/Fuji Electric / Sakshham /Emerson |
| 515 | ELEC-11.1.4 | ..... | Makes: Mitsubishi/ Socomec /Schiender(APC)/ Legrand/Fuji Electric (Consul Neowatt) |
| 516 | ELEC-11.1.9 | ..... | Makes: Quanta / Racket / Exide. |
| 517 | ELEC-11.1.10 | ..... | Makes: Quanta / Racket / Exide. |
| 518 | ELEC-11.1.11 | ..... | Makes: Quanta / Racket / Exide. |
| 519 | ELEC-11.1.12 | ..... | Makes: Quanta / Racket / Exide. |
| 520 | ELEC-11.1.13 | ..... | Makes: Quanta / Racket / Exide. |
| 521 | ELEC-11.1.14 | ..... | Makes: Quanta / Racket / Exide. |
| 522 | ELEC-11.1.15 | ..... | Makes: Quanta / Racket / Exide. |
| 523 | ELEC-11.1.17 | ..... | Makes: Amar Raja (Power Zone) or Equivalent model of Exide / Panasonic / Gotech. |
| | ELEC-11.2.1 | | Makes: Fuji Electric / Numeric/APC(Schneider) |
| | 13.1 | | LIFTS (New Installation) |
| 524 | ELEC-13.1.1 | ..... | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 525 | ELEC-13.1.2 | ..... | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 526 | ELEC-13.1.3 | ..... | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 527 | ELEC-13.1.4 | ..... | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 528 | ELEC-13.1.5 | ..... | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 529 | ELEC-13.1.6 | ..... | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 530 | ELEC-13.1.7 | | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 531 | ELEC-13.1.8 | | |

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| | | | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| 532 | ELEC-13.1.9 | | makes:Kone/Otis/Schindler/Mitsubishi/Johnson/Thyssen Krupp |
| | | | SECTION- 14 (Electrical items recommended by Chief Engineer (APMSIDC)) |
| | | | MEDICAL GAS PIPE LINE SYSTEM |
| 533 | ELEC-14.1.1 to 14.1.10 | | Make: IBP Conex / Maxflow |
| 534 | ELEC-14.1.11 to 14.1.19 | | Makes: Aktiv Technologies// Atlas Capco/ Draeger Medical/ / Airox Technologies / Aastha Medical technologies/ GMP Technical Solutions / Medicare gas pipe line/Mediline Engineers |
| 535 | ELEC-14.1.20/ 14.1.21 | | Make: Siemens / Johnson Controls / Medicare gas pipe line/ Mediline Engineers/ Aktiv Technologies// Atlas Capco/ Draeger Medical/ / Airox Technologies |
| | | | STP & ETP WORKS (Electro-Mechanical items) |
| 536 | ELEC-14.2.1 to ELEC-14.2.5 | | Fabricated item as per specification with SOR approved makes of MS/SS |
| 537 | ELEC-14.2.6 to ELEC-14.2.8 | | Fabricated item as per specification with SOR approved makes of MS/SS |
| 538 | ELEC-14.2.9/ 14.2.10 | | Make: Kay/Everest/Swan/A1/Jyothi Airtech/ Crystal Air/Kruger/ System Air/ Carry Air / Aerotech |
| 539 | ELEC-14.2.11 | | Make: MettlerToledo/Aster/Transformium Engrs/Konvio |
| 540 | ELEC-14.2.12/ 14.2.13 | | Makes: Rehau/OTT/SSI/Aquaflex/Techpro/Shridevi /Sreetech |
| 541 | ELEC-14.2.14 to ELEC-14.2.17 | | Makes: Kishor/KSB/Grundfos/CRI/Wilo/Kirloskar |
| 542 | ELEC-14.2.18/ 14.2.19 | | Fabricated item as per specification with SOR approved makes of MS/SS with reputed brands of Motor like Kirloskar/KSB/Texmo/CRI/Crompton |
| 543 | ELEC-14.2.20 to ELEC-14.2.21 | | Makes: Kay/Everest/Swan/A1/Jyothi Airtech/ Crystal Air/ System Air/ Carry Air / Aerotech |
| 544 | ELEC-14.2.22/ 14.2.23 | | Pipes as per specification with SOR approved makes of MS/ SS |
| 545 | ELEC-14.2.24 | | Makes: Rehau/OTT/SSI/Aquaflex/Techpro/Shridevi /Sreetech/ MM Aqua/ Tecpro/Enery Equipment |
| 546 | ELEC-14.2.25 to ELEC- | | Makes: Kishor/KSB/Grundfos/CRI/Wilo/Kirloskar |

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| | 14.2.28 | | |
| 547 | ELEC-14.2.29 to ELEC-14.2.31 | | Make: ShivPAD/Eimco-KCP/PicoPuro/Voltas |
| 548 | ELEC-14.2.32 to ELEC-14.2.34 | | Make: Johnson/Kirloskar/KSB/Grundfos/CRI/Wilo |
| 549 | ELEC-14.2.35/ 14.2.36 | | Make: Hitech/Sukrut/Ultra Aqua/Philips/Equivalent |
| 550 | ELEC-14.2.37/ 14.2.39 | | Makes: Kishor/KSB/Grundfos/CRI/Wilo/Kirloskar |
| 551 | ELEC-14.2.40 to ELEC-14.2.43 | | Makes: Sreetech/Fluid Systems/Anju Enterprises/Any approved make |
| 552 | ELEC-14.2.44/ 14.2.45 | | Makes:Verito Engineering/Fluid Systems/ Fabricated item as per specification with SOR approved makes of MS/SS with reputed brands of accessories |
| 553 | ELEC-14.2.46/ 14.2.48 | | Makes: Kishor/KSB/Grundfos/CRI/Wilo/Kirloskar |
| 554 | ELEC-14.2.49 | | Make: PD pumps / Rotomac / Alpha helical /Roto |
| 555 | ELEC-14.2.50/ 14.2.51 | | Make: Hydro Press/Yo-Tana/Amar. |
| 556 | ELEC-14.2.52 | | Makes:Verito Engineering/Fluid Systems/ Fabricated item as per specification with SOR approved makes of MS/SS with reputed brands of accessories |
| 557 | ELEC-14.2.53 | | Make: MM Machinery/Safeselectromech/Vertex Cranes/Df Hoist/Reva Cranees/Aditya or any reputed brand |
| 558 | ELEC-14.2.54 | | Make: MM Aqua/ Tecpro/Enery Equipment/Rehau/ OTT/ SSI/Aquaflex/Techpro/Shridevi /Sreetech |
| 559 | ELEC-14.2.55 to ELEC-14.2.61 | | As Per Approved Makes in SOR for uPVC/D.I./KSC Pipes/ Reputed makes with ISI |
| 560 | ELEC-14.2.62/ 14.2.63 | | Makes: Metlor Tolodo/Vector Technologies/Lutron/Spectra Labs/Kytola/Any reputed brand with ISI |
| 561 | ELEC-14.2.64 | | Makes: HGURU / FIEBIG and Approved makes with ISI |
| | | | BUILDING MANAGEMENT SYSTEMS |
| 562 | ELEC-14.3.1/ 14.3.2 | | Makes HP/IBM/DELL |
| 563 | ELEC-14.3.3 to 14.3.17 | | Make: - Honeywell / Siemens/ Schneider/Johnson Controls/Delta |

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| 564 | ELEC-14.3.18/ 14.3.19 | | L&T/ABB/Meco/Schneider/Siemens |
| 565 | ELEC-14.3.20/ 14.3.21 | | Make: Honeywell / Siemens/ Schneider/Johnson Controls/Delta |
| | | | ACCESS CONTROL SYSTEM |
| 566 | ELEC-14.4.1 to 14.4.9 | | Makes - Matrix/Honeywell/ESSL/Siemens/Delta/Johnson Controls/Bosch |
| 567 | ELEC-14.4.10/ 14.4.11 | | Make : Rosslare/Software house/Spectrum |
| | | | NURSE CALLING SYSTEM |
| 568 | ELEC-14.5.1 to 14.5.12 | | Make: Process Care/Schrack Seconet/ Johnson Controls/Honeywell/Integrated/SWIFTECH/Oritel |

GUIDELINES FOR ELECTRICAL WORKS

PREFACE

Electrical supply and installation are an important and essential part of Building Services. Right from initial planning, design, selection of material, installation / method of construction; to testing, commissioning and maintenance; every aspect is governed by statutory provisions referring various Standards and Codes. All such norms are oriented to minimize risk, provide safe use, operation, functionality, and convenience throughout service life.

Any lapse in any of the above aspect may lead to severe effects on human life and devastation of assets. Occasions of electrical fires are increasing with the increasing use and electrical gadgets. Unfortunately, still it is seen that Electrical Installation is given least importance. Qualities and safeties are compromised out of connivance or lack of technical knowledge. Many times, electrical work gets executed through non-qualified persons not having required knowledge and Permit in that regard. Such hired persons work on labor basis to whom non-standard material is supplied without any base of 'Design'. There is no person to supervise quality and safety aspects, most of which remains 'concealed' as the work gets completed.

In case of High-Rise buildings norms are more stringent. Fire hazard is more prominent risk factor

as evacuation in high-rise building is a challenging task. Part 3 section 7 of NEC gives special guidelines in this regard.

The person who uses, operates electrical installation is not expected to know the real technical aspects of design, material used, quality of work, adherence to safety, compliance with statutory provisions. Under the circumstances it has become a need to set base line parameters. Plug the loopholes, get the work done adhering to norms and standards and make someone responsible so that in case of any lapse /mishap such person / agency can be made answerable.

Important Note:

1. SSR rates for Electrical items are purely for 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.

2. The rates published in the Buildings SoR 2021-22 are the ceiling rates only and the estimate preparing authorities are responsible for the correctness and reasonableness of the rates and technical specifications adopted in the estimates

The following guidelines /recommendations / mandates are basically given to execute work of Electrical Installation.

1. ARCHITECTURAL / CIVIL WORK PROVISIONS RELATED TO ELECTRICAL INSTALLATION

1.1 Architectural Planning requirements:

At planning stage Architect shall discuss and consider requirements of Electrical Consultant / Contractor in respect with site and location of construction and in respect with drawings of building requirement of spaces, clearances, approach ways, raceways, shafts, recommended wall thickness, required provisions for prevention from fire hazard likely to originate from electrical installation.

If proposed construction is within vicinity of existing over-headline, underground cable compliance with Regulation 63 of CEA Safety Regulations shall be checked prior to commencement of any work on site.

Architect shall incorporate following points in the drawings related to services as per the applicable requirements.

1.1.1 Site Plan:

Site plan shall show existing overhead electrical lines / underground cables if any and proposed construction within the boundaries of the area to be developed.

1.1.2 Routes and service entry points:

Architectural drawings shall clearly mark electrical service entry points, cable routes below ground, through the building structure, so that detailing in electrical shop drawings will restrict the work within specified route and no conflict shall occur with other building utility service. The drawings shall specify required horizontal and vertical clearance to be maintained between other utility services.

1.1.3 Locations of Electrical Panels:

Locations and position for main and sub electrical panels shall be marked, and adequate space / room shall be allocated considering dimensions of panel, clearance in front, side and back. Consideration shall be given to space required for opening of the panel doors / racking out breakers, and approach boundaries (Refer NEC Part1 / section 24 Electrical Safety), and accessibility. Floor mounting panels shall preferably be located in separate Electrical Panel Rooms having outside door opening, required fire rating (two hours if not specified) and ventilation arrangement.

NOTE – Special consideration shall be given to this point in case of High-Rise buildings.

1.1.4 Electrical meter rooms:

Meter rooms shall be separate. It shall be planned to have sufficient head room and clear space in front of meters, control switches (at least 1m). Space on wall shall be sufficient to accommodate required number of meters at suitable height so that readings can be taken without aid of any tackle. Also, the switchgears shall be at least 0.5 m above floor level and within such height to have an easy access for operation. The meter room shall be well ventilated, protected from external influences like sun, rain, water seepages, entry of rodents. Location of meter room shall be suitably adjacent or nearest to cable duct / shaft / vertical route of mains.

NOTE – Meter room shall not be located below staircases where above requirements could not be complied with.

1.1.5 Movement of heavy / bulky electrical equipment:

For installation of electrical equipment within building which is likely to be heavy / bulky in size or removing it for maintenance, provision of adequate passages, stair ways or any alternate provision for its shifting / movement shall be considered.

1.1.6 Shafts / ducts:

There shall be provision of shafts with required fire rating (2 hours if not mentioned specifically) for vertical electrical distribution which shall preferably be adjacent to electrical panels. Shafts shall be separate for electrical HT cables, LT power cables / bus-bar trucking and cable work of Extra Low Voltage systems like telephones, security system, fire alarm, signaling, BMS or data networking etc. If independent shaft is not possible, there shall be an arrangement for segregation in between, which shall have required fire rating same as that of shaft. No other utility service shall run through these shafts. Shafts shall be accessible at all levels with doors having fire rating as that of shaft and shall not open in fire escape staircase. All shafts shall have fire prevention provision as per National Building Code and fire safety requirements of local statutory authorities.

NOTE- As per CEA Reg.36 provision in respect of independent electrical service shaft is mandatory for all buildings above 15m height (High-Rise buildings).

1.1.7 Interior design and Electrical Layouts:

It is recommended to prepare interior layouts so as to plan electrical points, locations of switch boards to suite the aesthetics, functionality as well as for comfort and ease of operation.

1.1.8 Aesthetics and Electrical Safety

To avoid conflicts between Architect from perspective of aesthetic and person executing

electrical installation work from the point of view of safety requirements of electrical work, convenience and ease of installation and further maintenance depending on type of wiring (concealed / surface / hybrid), location of distribution boxes, requirement of under-floor trunking / false flooring / false ceiling, wall partitions and openings to enter into / work within as per the need. These points shall be decided at planning stage.

1.1.9 Illumination

Within interior work number, type, size, and location of luminaries shall be decided and agreed upon mutually between Architect and Electrical Agency, considering technical parameters of lux level, CCT, heat dissipation, accessibility and maintainability.

1.1.10 Ceiling Fans

Location of ceiling fans shall suite recommended minimum clearance between ceiling / false ceiling and fan blade (225mm), floor level and fan blade(2400mm).Sweep of fan blades shall not obstruct light source. Location and size of fan shall also suite utility from the point of view of users and aesthetically match with false ceiling design.

NOTE: Sometimes due to afterthought provision of false ceiling, it creates problems affecting required clearances. Under some cases, replacement of down rod with suitable length may solve problem but in case of limited ceiling height it is not possible.

1.1.11 Exhaust fans

Wherever provision of exhaust fans is there, cross ventilation shall be considered to allow sufficient fresh air to enter into particular envelop, e.g. For toilets where Exhaust fans are proposed, door under cuts or louvers preferably at lower level for cross ventilation shall be provided.

NOTE: Non provision of entry for fresh air creates negative pressure within the envelope increasing load on exhaust fan resulting into heating and subsequent failure.

1.1.12 Earthing

Location of earthing pits shall be shown on drawings so that those shall always remain open and accessible for testing and maintenance throughout the service period.

1.1.13 Restricted Access

Areas requiring restricted access to designated person, authorized to carry out electrical work therein shall be provided with necessary arrangements.

1.1.14 Sub stations / Generators / Battery rooms

Location of required civil structure shall be considered in advance with required height of room, door openings, firefighting system, ventilation etc.

1.2 Civil Planning and Constructional Requirements

It is important to plan activities of civil construction and electrical works in detail on bar chart or similar tools available in project planning. The bar chart shall be updated and coordination be monitored to avoid conflicts, breakages and reworking. Following points give general guidelines.

1.2.1 Fire rating

The electrical panel rooms, doors, segregation arrangement within shaft shall have fire rating of 2 hours or as per requirements mentioned under NBC, Central Electricity Authority (measures related to Safety and Electric Supply) Regulations, 2010 and further amendments.

1.2.2 Shafts / Ducts /Chambers

Design and location of cable ducts, shafts, chambers, their covers, and entry points, shall be as per shop drawings provided by electrical agency and shall be in consultation with, considering further aspects of maintenance / repairs / replacement. Size of chambers shall be in consideration with bending radii of cables. At every flooring level, there shall be a provision to seal these shafts, so that in case of fire, it shall not spread, or smoke shall not pass from one floor to other.

1.2.3 Openings and covers

Manholes / opening of chambers shall not be less than 650mm x 550mm or 650mm India., where opening is intended for entry of person. Covers of manholes, chambers shall bear sufficient strength to withstand loads likely to be imposed on the structure. Covers shall be marked with the name of the service.

Openings / covers of Junction boxes / draw-in boxes / accessories in conduit systems with inspection openings shall always be accessible.

1.2.4 Enclosures for underground cables

Pipes to be used for cable enclosures shall be of required diameter so that cable can pass through or removed from easily and have sufficient mechanical strength and shall be erected at required depth to suit requirements of IS 1255.

1.2.5 Wall thickness

Walls shall be of sufficient thickness to accommodate concealed boxes /switchboards / distribution boxes. So that installation of boxes will not affect strength of wall. Additional strengthening shall be considered if necessary.

NOTE : Depth of box may be 60 mm or vary depending on manufacturer's design. Under circumstances in 4"/100 mm wall it is not possible to accommodate these boxes back-to-back. Staggering may solve problem to certain extent.

1.2.6 Structural strength

In Wiring Installation where Cable Ladder, Tray system is used for cable management, its structure along with the load of cables which it is going to support, is likely to impose load on the primary structure of building. This situation occurs when supports of this system are fixed on building structure. For this building structure shall have capacity to bare the load.

At some locations there are chances of conduits getting crowded endangering structural strength due to number of circuits entering / passing out from the particular DB / panel. This situation may occur in beam, slab, and wall. If such situation is unavoidable necessary measures may be required to be taken to retain structural strength.

1.2.7 Sleeves / core cutting

As far as possible sleeves shall be got erected for entry of wires / cables through wall, flooring,

RCC structure during construction to avoid core cutting, damages and reworking at finishing stage. Sometimes core cuttings may be required which shall be done with the consent of structural engineer and under supervision of civil engineer.

1.2.8 Water leakages / seepages

Design shall take into consideration possible seepages, leakages, accumulation, and ground in-surge of water, which is hazardous to electrical installation. Required provisions shall be made at such locations to prevent and work shall be executed with due care.

1.2.9 Bathrooms / washrooms

Within bathrooms / washrooms, location of showers, faucets shall be such that during use, water shall not splash on switch boards / electrical outlets / fittings.

1.2.10 Tandems in Flat Slab post tension structures

For flat slab post tension structure's locations of tandems marking shall be made to avoid puncture of / damage to tandems during electrical construction activity.

1.2.11 Earthing

Any construction work, including excavation, subsequent to construction of earthing electrode/s ; it shall not disturb / damage any part of earthing system. Any civil work on construction site shall not cause cover-up / concealing of any portion of electrical earthing system without notice and consent of person In- Charge of electrical work.

1.2.12 Sub stations / Generators / Batteries

Trenches, ventilation, approach roads shall be provided as per necessity.

2. ELECTRICAL PROVISIONS

2.1 Statutory Obligations – Appointment of Licensed Electrical Contractor

Reg .29(1) shall be strictly followed by the Developer and work shall be got done through Licensed Electrical Contractor who shall submit Test Report of the work carried-out by him.

Developer may take undertaking from the Licensed Electrical Contractor, who shall be responsible to do the work through the qualified workmen having required permit in that regard. He shall also see that the material to be used, work and workmanship shall conform to respective norms, standards, and Regulations.

NOTE–All hidden work shall be checked for conformity with the standards prior to get it concealed, shall be certified by the contractor.

2.2 Statutory Obligations–Approvals /Permissions / Licenses

Required approvals shall be taken as per related Rules and Regulations mentioned below prior to the commissioning and handing over the installation for beneficial use.

- a) Central Electricity Authority (measures related to safety and electric supply) Regulations 2010 and amendments 2015, 2018
- b) Reg. 32 – Generator Inspection and approval for commissioning.
- c) Reg. 36 – Multi-storied building (height above 15m): inspection and NOC for commencement of supply
- d) Reg. 43 –Transformer sub-station or any installation above 660V : inspection and approval before commencement of supply

See Annexure C of above regulations for extract of Regulations.

2.3 Material

Material used for Electrical Installation shall conform to the respective Indian standards or International standards where relevant Indian Standards are not available. Technical Specification of material shall strictly adhere to the design, based on load, use, external influences and safety.

2.4 Wiring Installation

Electrical Installation shall conform to provisions from related sections of National Electrical Code (NEC) and National Building Code (NBC). See Annexure A for minimum / basic requirements from the point of view of Safety and functionality.

2.5 Transformer sub-station

Transformer sub-station providing supply to the building if located within building shall either use dry type transformer or a transformer filled with Synthetic Ester. Transformer filled with Natural ester shall be used only if transformer is sealed (without breather). For Transformer installed in separate room detached from building structure 7.5m away Mineral oil may be allowed.

2.6 Generator standby supply

For every high-rise building there must be a provision of generator supply as a standby arrangement which shall be of adequate capacity to cater load of all emergency systems for required time. Location and system of supply shall be such that functioning, and purpose of Generator will not be affected due to emergency like fire in building. If fire authority requires standby supply arrangement for fire-fighting system also, provision of generators shall be made accordingly.

2.7 Handing over Documents

It shall be a part of obligation on the developer to handover the documents belonging to the prospective owner for his information and which he will need him for reference and maintain as a record.

2.8 MCBs

For lighting circuit 6A MCB and for power circuit of powerpoint 16A MCB shall be used. For lighting circuits MCBs of B series may be used. For independent circuit of plug points C series MCB shall be provided. Circuits providing supply for appliances like Air-Conditioner / water-pump shall be provided MCBs of 'C' series. AC above 1.5 TR may be provided with MCB of 20 /25 A rating.

2.9 RCDs

Complete electrical installation must be protected against electrical shock by provision of Residual Current Device (also referred as ELCB/RCCB) having sensitivity of 30mA. RCDs may be provided more than one at suitable locations, to retain supply redundancy. In three phase DBs per phase protection may be provided. For installation having load 10kw and above, it is also recommended to provide RCD of 300mA sensitivity at the source / point of supply to provide protection against Fire due to leakage currents.

2.10 Main switchgears

Depending on load provision of MCCBs, Circuit breakers shall be made with precise rating of overload, short-circuits etc.

3. Provision in respect of High-Rise Building

3.1 Supply isolation during Emergency Sub Regulation (3) of CEA Regulation No.36 provides for arrangement to completely isolate the supply at the time of emergency. It shall be interpreted as below:

3.2 The provision of a device to isolate complete supply, also called Fireman's Switch, is aimed at restricting further danger of short circuits due to fire and spread of fire and shock hazard, restriction on use of Lifts and any other activity running on electrical supply which may aggravate the situation. However supply to emergency services like rescue operation; Fire- Fighting shall not get affected with the operation of this control.

3.3 Suitable arrangement shall be done at the point of supply to separate supply of emergency services make arrangements to identify and mark with instructions

CEA (Measures related to Safety and Electric Supply) Regulations 2010 made under section 53 read with section 177 of Electrical Act 2003 Regulation 29 (1):

No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps fans, fuses, switches, domestic appliances of voltage not exceeding 250V and fittings as in no way alters its capacity or character, shall be carried out upon the premises of or on behalf of any consumer, supplier, owner or occupier for the purpose of supply to such consumer, supplier, owner or occupier except by an Electrical Contractor licensed in this behalf by the State Government and under the direct supervision of a person holding a certificate of competency and by a person holding a permit issued or recognized by the State Government.

3.4 Regulation 12 (1):

All electric supply lines and apparatus shall be of sufficient rating for power, insulation and estimated fault current and of sufficient mechanical strength, for the duty cycle which they may be required to perform under the environmental conditions of installation, and shall be constructed, installed, protected, worked, and maintained in such a manner as to ensure safety of human beings, animals and property.

3.5 Regulation 12 (2):

Save as otherwise provided in these regulations, the relevant code of practice of The Bureau of Indian Standards or National Electrical Code, if any, may be followed to carry out the purposes of this regulation and in the event of any inconsistency, the provisions of these regulations shall

prevail.

3.6 Regulation 12 (3):

The material and apparatus used shall conform to the relevant specifications of the Bureau of Indian Standards or International Electro-Technical Commission where such specifications have already been laid down.

3.7 Regulation 12 (4):

All electrical equipment shall be installed above the Mean Sea level (MSL) as declared by local Municipal Authorities and where such equipment is to be installed in the basement, consumer shall ensure that the design of the basement should be such that there is no seepage or leakage or logging of water in the basement.

3.8 Regulation 36 (3): Provisions for supply and use of electricity in multistoried building more than 15 meters in height: Regulation 36 (3). The supplier or owner of the installation shall provide at the point of commencement of supply a suitable isolating device with cut-out or breaker to operate on all phases except neutral in the 3-phase, 4-wire circuit and fixed in a conspicuous position at not more than 1.70 meters above the ground so as to completely isolate the supply to the building in case of emergency.

- a) Color Coding for Phase / Live – Red / yellow / Blue
- b) Color Coding for Neutral – Black
- c) Color Coding for Earth – Green
- d) For light / bell wiring shall be two wire system .
- e) For ceiling fan / exhaust fan / Separate socket wiring shall be three wire system .

Circuit main for switch boards:-

Circuit main for switch board shall be 3 runs of 2.5sq.mm copper cable i.e for phase, neutral and Earth. That is from DB to switch board.

Circuit Main for 16A socket :-

Circuit mains for 16A sockets shall be 3 runs 4.0sq.mm from DB to 16A socket. Phase, neutral and earth conductor are equal in size (i.e sq.mm).

Circuit Main for AC socket:-

Circuit mains for AC socket shall be 3 Runs of 6.0sq.mm from DB to AC socket. Phase, neutral and earth conductor are equal in size (i.e sq.mm).

Note: Power circuit rated more than 1KW, size as per calculations.

Capacity of Circuits:

- I Lighting circuits shall feed light / fan / call bell points. Each circuit shall not have more than 800W Connected load or more than 10 points. In case of LED lights, where load per point may

be less, number of points may be suitably increased.

- II Power circuit in NRB will have only one outlet per circuit.
- III Each power circuit in residential buildings can feed following outlets.
 - Not more than 2 No's 16A socket outlets.
 - Not more than 4 No's 6A/ 10A socket outlets.
 - c) Not more than 1 No 16A & 2Nos 6A outlets.
- IV Load more than 1 KW shall be controlled by suitable rated MCB, and cable size shall be decided as per the load calculations and length of circuit mains.
- V. Load shall be distributed equally among the three phases.