

GOVERNMENT OF ANDHRA PRADESH



BUILDINGS SoR: 2018-19

SCHEDULE OF RATES FOR BUILDING WORKS

FOR THE YEAR 2018-19

**ALL ENGINEERING
DEPARTMENTS**

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

Procs.No. ENC(B)/DEE-3/AEE9/SoR: 2018-19

Dt: 21.08.2018.

Sub:- Printing of Buildings-SoR for all the Engineering Departments - specific to the functioning of Building works – Buildings-SoR:2018-19 – Communication of approved Buildings-SoR – Reg.,

Ref:- 1. G.O.Rt.No.95, T, R&B (R.1) Dept, dt:18.01.2015.
2. Minutes of Committee of Chief Engineers meetings for finalizing the Building-SoRs held on Dt:27.06.2018
3. T.O. Procs.No. ENC(B)/DEE-3/AEE9/SoR: 2018-19 Dt: 29.06.2018.
4. Minutes of Committee of Chief Engineers meetings for finalizing the Building-SoRs held on Dt:21.08.2018

The Government of Andhra Pradesh have constituted a Committee of Chief Engineers of Engineering departments dealing with Building works for finalizing and communicating Buildings-SoR (Civil & Electrical) vide G.O. 1st cited. In accordance therewith the Committee of Chief Engineers has finalized and approved the Buildings-SoR: 2018-19 in the Minutes of Meeting held on Dt.27.06.2018 and communicated vide reference 3rd cited.

Meanwhile, Builders Association of India and other organizations have represented that the rates proposed in the approved SoR 2018-19 Buildings Part III (Civil, Water Supply & Sanitary, and Electrical & Electro-Mechanical Items) are not reflecting the present market and also they are not revised since 4 years. In view of the situation, the committee have reviewed the items approved earlier and made deliberations that rates of certain items are recommended for modification suitable to the market price and demand vide minutes of meeting held on Dt.21.08.2018 and also recommended to publish accordingly the modified SoR 2018-19 Buildings (Part III) with immediate effect and communicated vide reference 4th cited.

The rates in Revised SoR 2018-19 Buildings (Part III) for the Building items (Civil, Water Supply & Sanitary, and Electrical & Electro-Mechanical Items) are to be followed henceforth by all the concerned departments for building works. The rates of Labour, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges approved and published in Common SoR-2018-19 remain applicable. No other items other than the items communicated in this Revised Buildings-SoR 2018-19 and Common SoR-2018-19 shall be introduced.

The Heads of Departments mentioned below are authorized to print the Buildings-SoR: 2018-19. The unauthorized printing & selling of the Buildings-SoR is strictly prohibited. The revised rates will come into force with immediate effect.

The receipt of the proceedings may please be acknowledged.

Enclosed: Revised Buildings SoR: 2018-19 as above

K. Nayeemulla
Sd /- 21.08.2018
Chief Engineer (R&B) Buildings&RSW
Convener-Member,

Committee of Chief Engineers-Buildings-SoR

To

1. The Chief Engineer (RSW & Buildings), Roads & Buildings Department, MG Road, Vijayawada.
2. The Chief Engineer (R&B) (Electrical), R&B Department, MG Road, Vijayawada.
3. The Engineer-in-Chief, Public Health Department, Mahatma Gandhi Inner Ring Rd, Gorantla, Guntur-522034.
4. The Engineer-in-Chief (P.R.), Panchayat Raj Department, D.No.3-20/4,Tankasala Kalyana Mandapam, Enikepadu, Vijayawada.
5. The Engineer-in-Chief, Tribal Welfare & Social Welfare Department, Plot No.401 & 402, Garuda Enclave, Tadepalli, Guntur District
6. The Chief Engineer (Civil), Tirupathi Tirumala Devasthanams, Tirupati
7. The Chief Engineer (AP Housing Board) Flat No.101, Vijayalakshmi residency, ESI Hospital Road, Gunadala, Vijayawada.
8. The Chief Engineer (Housing Corporation) 12-52, Prasadampadu,Opp. to Tankasala Kalyana Mandapam, Enikepadu, Vijayawada.
9. The Chief Engineer(APSRTC), RTC House, 1st floor of PNBS, Vijayawada.
10. The Chief Engineer(APMSIDC), Mangalagiri, Guntur
11. The Chief Engineer (AP Police Housing & Welfare Corporation), Labbipet, Vijayawada
12. The Chief Engineer, Vijayawada Municipal Corporation, Vijayawada.

Copy to

1. The Engineer-in-Chief(Admn, NH, CRF), R&B Department, MG Road, Vijayawada
2. The Engineer-in-Chief (IW) I&CAD, Irrigation Department, Ramavarapadu, Vijayawada-520008.
3. The Chief Engineer (COT), 76-16-4A/1,1st floor, Iron Yard, Opp. to Ramayalam, Vijayawada-520012.
4. The Chief Engineer (MDRs) R&B Department, MG Road, Vijayawada
5. The Chief Engineer (RRs & LWE) R&B Department, MG Road, Vijayawada
6. The Chief Engineer (QC), R&B Department, MG Road, Vijayawada

Chief Engineer (R&B) Buildings & RSW

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

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BUILDINGS SoR:2018-19

(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.1) Dept., dt:18.01.2015 constituting a Committee comprising of Chief Engineers of departments in-charge of execution of building works for finalization of Standard Schedule of Rates for Buildings (Civil, Water Supply & Sanitary, Electrical and Electro-Mechanical items). The meeting of the above “SoR Committee for Buildings (Civil, Water Supply & Sanitary, Electrical and Electro-Mechanical items)” was convened on 21.08.2018 with an objective to finalize and release the Buildings-SoR: 2018-19.

2.0 APPLICABILITY OF COMMON SoR – 2018-19

The rates of labour, common materials & work items, Public Health items, conveyance rates of materials & hire charges approved and published in Common SoR-2018-19 remain applicable. The specifications, stipulations& all other conditions of Common-SoR other than those specified in this context remain applicable.

3.0 OVERHEADS & CONTRACTORS PROFIT

- a. The provision of ‘Over Heads and Contractor’s Profit @ 13.615% shall be allowed in all the data items of the estimates and rates of the finished items in building works where ‘Contractors All Risk’ policy is dispensed with.
- b. It is reiterated that the provision of ‘Over Heads and Contractor’s Profit’ is applicable to Building works since the advent of the AP. Revised standard data-2009, which is approved by the Government in G.O.Ms.No.49 I&CAD (PW-Reforms) Dept., dated: 02-03-2009 and this component shall be operative on all the data items of the estimates and rates of the finished items published in **Buildings SoR for all original works and major Renovation works** subjected to the fulfillment of the conditions given below:
 - i. Site accommodation, setting up plant, access road, water supply, electricity and general site arrangements.
 - ii. Office furniture, equipment and communications.
 - iii. Expenditure on:
 - a) Corporate office of contractor.
 - b) Technical agents for site supervision. (Reimbursement to the technical agents provision is dispensed with where ‘over heads and contractor’s profit’ provision is included in the data rates)
 - c) Documentation and “**as built**” drawings.
 - d) Mobilization/ de-mobilization of resources.
 - e) Labour camps with minimum amenities and transportation to work sites.
 - f) Light vehicles for site supervision including administrative and managerial requirements.
 - g) Laboratory equipment and quality control including field and laboratory testing. (***For all the works costing more than Rs.2 Crores contractors have to establish Quality Control laboratory***)
 - h) Minor T & P and survey instruments and setting outworks, including verification of line, dimensions, etc.
 - i) Watch and ward.
 - j) Traffic management/ Safety management during construction.
 - k) Expenditure on safeguarding environment.

- iv. Sundries.
- v. Financing Expenditure.
- vi. **Sales/ Turn overtax 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.

4.0 OTHER GUIDELINES

1. Municipal Area Allowance, Agency or Tribal area allowance or any such allowance on the labour components of civil, water supply & sanitary items, Electrical and Electro-Mechanical items of building works shall be allowed wherever applicable **as per the guidelines and preamble of Common SoR: 2018-19**. 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. The Ready Mix Concrete (RMC) rate shall be as per the rate analysis which is appended at Sl. No 23 in the Buildings Section of A.P. Revised Standard Data-2009.
3. Wherever the concrete pump is used in the data, 8 working hours per day can be considered for rate analysis purpose.
4. For the structures where the Standard and High Strength Concretes vide IS: 456-2000 is required, mix design shall be carried out and rates may be arrived as per the rate analysis appended in the A.P. Revised Standard Data-2009.
5. Certain items in the SoR are deleted due to change in the specification, non-availability in the market, etc
6. The rates of Hire charges for centering & scaffolding for the SHEAR WALLS, RCC WALLS, WATER TANK WALLS are included.
7. The Electrical items and corresponding rates as proposed by the Chief Engineer (R&B) Electrical in the meeting, have been considered in the Buildings SoR-**2018-19**.
8. The rates for the Manholes and inspection chambers are finalized based on the detailed rate analysis.
9. The rates of CI Pipes and fittings have been fixed based on the price lists obtained from the dealers & manufacturers and based on the 'Wholesale Price Indices' published by the Government of India and competitive quotations.
10. Similarly the Vitreous China Ware, Porcelain, Taps & Faucets, G.I Pipes, Valves & Fittings, SWG pipes & fittings and PVC Pipes & fittings have been finalized based on the 'Wholesale Price Indices' published by the Government of India and competitive quotations.
11. The specifications of the aggregates for sizes and gradation and its adoption shall be as per IS 383-1970 and IS 2386 (Part 1 to Part 8).
12. **No allowance towards 'Labour Importation & Labour Amenities' shall be added to the datas as they are included in the provision of 'Over heads and contractor's profit'.**
13. For sand, gravel, murum, stones, course aggregates etc, the basic rates are for delivery at site, excluding seigniorage (royalty) charges, unloading charges by machinery / manual means and idle hire charges of machinery shall be allowed (as per table under chapter "conveyance or lead and lift charges") as applicable.
14. For all the materials, **the basic rates given in the Buildings SoR** are 'landing prices' at the site which are exclusive of all taxes, except where mentioned specifically.
15. For the materials where the basic rates are mentioned as 'quarry rates' in the Buildings SoR, which includes initial lead of 1.0 km, lead charges are to be added for the lead distances from the approved quarries as applicable. Wherever the term "carriage" or "conveyance" is used in schedule item, it shall be taken to include actual

leads, lifts, loading, unloading and stacking to the satisfaction of the technical sanctioning authority while making the price-adjustments.

16. The basic item rates provided in the schedule of rates include 50 m (conveyance by manual means) or 1 km (conveyance by mechanical means) as initial lead and no lead charges shall be allowed where the source of material is within the initial lead specified in item rate. Additional lead charges shall be allowed for the lead exceeding initial lead specified in the item rate.
17. The lead charges per unit quantity for conveyance of the materials are worked out, and included in the schedule of rates in increment of 50 m for head load and in increment of 1 km for mechanical mode.
18. The rates for lead charges by head load up to 150 meters and by machinery up to 5 km shall be cumulative and inclusive of lead charges for proceeding lead.
19. For building works taken up in the hill areas where the materials are conveyed on ghat roads, the lead distance may be taken as 2.0 times of the existing length of the road for the purpose of leads only for conveyance of materials based on the certificate for the Ghat Road given by the Superintending Engineer concerned.
20. Loading and unloading charges are not payable for conveyance by head load.
21. Loading and unloading charges are not payable for conveyance by mechanical means, for disposal of excavated material unless specified.
22. The rates for unloading of materials except earth, sand, gravel, coarse aggregate, rubble, size stone and cut stone, are inclusive of stacking wherever applicable.
23. The input rate for the water charges taken in Common Standard Schedule of Rates for the basic data is for the sources at site, any water lead as applicable may be allowed as per the conveyance charges.
24. Unless otherwise specified, all material rates shall be exclusive of all taxes, duties, levies, royalty/seigniorage, transportation, handling costs up to project area, and also the 'Works Contract Tax'.
25. Any errors, omissions, corrections or suggestions shall be brought to the notice of the 'COMMITTEE OF THE CHIEF ENGINEERS (Buildings SoR)' for corrective action.
26. **For any new items to be included in the 'Schedule of Rates', recommendations with specific remarks of the respective departments should reach the 'Committee of Chief Engineers' well in advance.**
27. The CWC (Ministry of Irrigation) has recommended that **"where standard or schedule of rates are revised or where is necessary to do so, the primary guiding principle should be escalation in labour and material cost and not on trend of rates quoted by the contractors"**. The 'Committee of Chief engineers' (Buildings SoR) have considered the practicality and adoptability of the 'Buildings-SoR' in construction of the building projects in finalizing the 'Buildings-SoR'.
28. Wherever feasible, more emphasis is given to the technical specifications for the SoR items by removing the brand names of the manufacturers from the specification and list of various Manufacturer's/ Supplier's brands in the respective category for the products is grouped and appended at the end of the SoR so as to bring to an end of encouraging a particular brand and to use only ISI Products in Buildings Construction.
29. The technical specifications, list of various Manufacturer's/ Supplier's brands 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.

5.0 CONCLUSION

1. The Committee of Chief Engineers on Buildings-SoR: 2018-19 (Civil & Electrical) has met in the chambers of Chief Engineer (R&B) Buildings & RSW, 21.08.2018 at 03.00P.M., and approved the Buildings SoR:2018-19, with out any tax elements based on the representations received from various Engineering Departments. As per the suggestion of BoCE, 12% GST rate on the Estimate Contract Value(ECV) towards works contract shall be provided 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.
4. The committee has resolved to amend the Standard Data / Clarification with the following Admendments:
 1. Proc. No. ENCB/TA8/AEE3/DATA: 2010-11 dated: 01.08.2011.
 2. Proc. No. ENC (B)/DEE-1/SAA3/SOR: 2015-16 dated: 20.07.2015
 3. Pro. No. ENC (B)/DEE1/AEE1/Data: 2016-17 dated: 29.09.2016
 4. Pro. No.ENC/IW/P&M/EE.1/DEE-2/AEE/ SoR 2015-16/Vol.3 dt:16.07.2015 of BoCE regarding Clarification on 1Km Lead Charges

BUILDING ITEMS

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	A.	BRICKS & BUILDING BLOCKS <i>(ex-quarry price - excluding cost of conveyance, loading & unloading)</i>		
		ORDINARY CLAY BRICKS		
1	BMT-A.01	Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Non-Modular or traditional size 23 x 11 x 7 cm	1000 Nos	5607
2	BMT-A.02	Common burnt clay bricks of class as per Table-1 of IS:1077-1992 Modular or traditional size 19 x 9 x 9 cm	1000 Nos	6308
		FLY-ASH CEMENT/LIME SOLID BLOCKS <i>(ex-quarry price - excluding cost of conveyance, loading & unloading)</i>		
3	BMT-A.03	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 225 x 140 mm	Each	24
4	BMT-A.04	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 200 x 140 mm	Each	21
5	BMT-A.05	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 150 x 140 mm	Each	19
6	BMT-A.06	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 290 x 112/100 x 140 mm	Each	14
7	BMT-A.07	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 225 x 100 x 60 mm	Each	7
8	BMT-A.08	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 145 x 225 x 140 mm	Each	15
9	BMT-A.09	Fly ash cement/lime solid blocks with compressive strength of 75 kg/sq.cm - IS:12894-1990 - CLASS - 7.5 - 145 x 200 x 140 mm	Each	11
10	BMT-A.10	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 225 x 140 mm	Each	23
11	BMT-A.11	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 200 x 140 mm	Each	19
12	BMT-A.12	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 150 x 140 mm	Each	20
13	BMT-A.13	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 290 x 112/100 x 140 mm	Each	10

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
14	BMT-A.14	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 225 x 100 x 60 mm	Each	5
15	BMT-A.15	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 145 x 225 x 140 mm	Each	11
16	BMT-A.16	Fly ash cement/ lime solid blocks with compressive strength of 50 kg/sq.cm - IS:12894-1990 - CLASS - 5 - 145 x 200 x 140 mm	Each	10
17	BMT-A.17	Supply of well burnt cinder aggregates as per IS: 2686-1977	1 Cum	596
		AUTOCLAVED CONCRETE BLOCKS		
		(landing cost - including cost of conveyance, loading & unloading)		
18	BMT-A.18	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² - 600 x 200 x 100 mm	Each	47
19	BMT-A.19	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² - 600 x 200 x 150 mm	Each	69
20	BMT-A.20	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² - 600 x 200 x 200 mm	Each	93
21	BMT-A.21	Supply of Aerated (Cellular) Autoclaved Concrete Blocks conforming to IS:2185 (Part-3) - 1984 and IS:6441-1972 of Compressive strength 3 N/mm ² 600 x 200 x 230 mm	Each	106
	B.	NATURAL FLOORING STONES (ex-quarry price – excluding cost of conveyance, loading & unloading)		
		LOCALLY AVAILABLE FLOORING STONES		
22	BMT-B.01	Kadapa slab 40 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	94
23	BMT-B.02	Kadapa slab 50 mm thick and size not less than 0.457 M x 0.457 M	1 Sqm	107
24	BMT-B.03	Shahabad /Tandur Rough Stone slabs of minimum of 25 mm thick	10 Sqm	937
25	BMT-B.04	Shahabad / Tandur Rough Stone slabs of minimum 40 mm thick	10 Sqm	1207
26	BMT-B.05	Polished Shahabad/ Tandur stone slabs of 15 to 18 mm thick	10 Sqm	1610
27	BMT-B.06	Polished black Kadapa slabs minimum of 15 mm thick (0.457x0.457M)	10 Sqm	1343
28	BMT-B.07	Polished Bethamcherla pure (marble type) white stone minimum 25 mm thick (0.254Mx0.254M)	10 Sqm	3758
29	BMT-B.08	Polished Bethamcherla coloured stone minimum 25 mm thick (0.254M x0.254M)	10 Sqm	2683

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		NATURAL FLOORING STONES - GRANITE		
30	BMT-B.09	High Polished Granite 16 to 18 mm thick up to 2.43 M other than black/ premium colours	1 Sqm	2695
31	BMT-B.10	High Polished Granite 16 to 18 mm thick up to 2.43 M other than black and regular colours	1 Sqm	2342
32	BMT-B.11	High Polished Granite 16 to 18 mm thick up to 2.43 M black	1 Sqm	1991
		NATURAL FLOORING STONES - MARBLE		
33	BMT-B.12	Polished Marble slabs of Dongari/ Adanga/ Marodh/ Rajgangpur etc., variety of thickness between 16 mm to 20 mm of sizes from 600 mm to 900 mm	1 sqm	648
34	BMT-B.13	Polished Marble slabs of Dongari/ Adanga/ Marodh/ Rajgangpur etc., variety of thickness between 16 mm to 20 mm of sizes up to 600 mm	1 sqm	524
35	BMT-B.14	Polished Marble slabs of any variety and gang saw cut (Such as Dongari/ Adanga/ Marodh/ Rajgangpur etc) 16 mm to 20 mm (average) thick (0.610 M width of any length)	1 sqm	889
36	BMT-B.15	Polished Marble Tiles of 8 - 10 mm thickness of all sizes and varieties	1 sqm	424
37	BMT-B.16	Granite stone tiles 8 mm thick (mirror polished of all shades)	1 sqm	1005
38	BMT-B.17	Polished black Kadapa slabs of all sizes between 25 - 30 mm thickness	10 Sqm	1540
	C.	WALL & FLOOR TILES <i>(Landing cost – including loading, cost of conveyance, unloading)</i>		
		NON-PORCELAIN CERAMIC FLOOR TILES		
39	BMT-C.01	Supply of Non-skid red or white full body Ceramic floor tiles of size 300 x 300 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	411
40	BMT-C.02	Supply of Non-skid red or white full body Ceramic floor tiles of size 400 x 400 mm and thickness between 7-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	415
41	BMT-C.03	Supply of Non-skid red or white full body Ceramic floor tiles of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	474
42	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 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	508

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		PORCELAIN VITRIFIED FLOOR TILES		
43	BMT-C.05	Supply of ordinary soluble salt porcelain vitrified tiles screen printed and polished of size 300 x 300 mm and thickness between 8-9 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	451
44	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	418
45	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	443
46	BMT-C.08	Supply of Nano polished soluble salt porcelain vitrified tiles screen printed of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	904
47	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 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	644
48	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 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	797
49	BMT-C.11	Supply of Double charged / multi charged stain free full body porcelain vitrified tiles with double layer pigment of size 1000 x 1000 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1086
50	BMT-C.12	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 800 x 800 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	797
51	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 of size 900 x 900 mm and thickness between 9-11 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1026

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
52	BMT-C.14	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 1000 x 1000 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1406
53	BMT-C.15	Supply of digital / polished glazed full body porcelain vitrified tiles with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and of size 1200 x 600 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	885
54	BMT-C.16	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 10-12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	724
55	BMT-C.17	Supply of full body heavy duty industrial variety / tact porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 12-15 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	973
56	BMT-C.18	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 300 x 300 / 200 x 100 mm and thickness between 18-20 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	1119
57	BMT-C.19	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 400 x 400 mm and thickness between 10 - 12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	716
58	BMT-C.20	Supply of full body heavy duty industrial variety porcelain vitrified tile of size 600 x 600 mm and thickness between 10 - 12 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	797
		CERAMIC WALL TILES		
59	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 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	323
60	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 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	396

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
61	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 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	538
		PORCELAIN WALL TILES		
62	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	554
63	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	585
64	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	593
65	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	644
66	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	764
67	BMT-C.29	Supply of glazed full body porcelain wall tiles of size 600 x 800 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 7-9 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	863
68	BMT-C.30	Supply of glazed full body porcelain premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 14-16 mm and wall tiles of thickness 8-10 mm but excluding highlighters 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	863

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
69	BMT-C.31	Supply of glazed full body porcelain premium plain design highlighter combination floor and wall tiles set with floor tiles of thickness 14-16 mm and wall tiles of thickness 8-10 mm but including highlighters 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	863
70	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	294
71	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	149
72	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	295
73	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	157
74	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
75	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	298
		GLASS MOSAIC TILES		
76	BMT-C.38	Supply of glazed full body glass mosaic tiles of 20 x 20 x 4 mm thick in specified pattern 1st Quality of any colour and design	1 Sqm	1109
77	BMT-C.39	Providing Glass Mosaic tiles using specified pattern fixing in specified thick epoxy emulsion grout of epoxy resins and filler powder of approved colour grout including all taxes excluding cost of tiles	1 Sqm	249
78	BMT-C.40	Providing Glass Mosaic tiles using specified pattern fixing in specified thick cementitious powder mix cement grout and approved colour grout including all taxes excluding cost of tiles	1 Sqm	96
		WALL CLADDING TILES		
79	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	527

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
80	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	383
81	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	397
82	BMT-C.44	Supply of glazed red or white full body ceramic tiles for external cladding purposes of any size and thickness between 18-20 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs	1 Sqm	509
D.		PAVING & INTERLOCKING TILES (landing cost - including cost of conveyance, loading & unloading)		
83	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	266
84	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	244
85	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	259
		CEMENT CONCRETE FLOOR TILES (PLAIN & CHEQUERED)		
86	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	229
87	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	240
88	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	244

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
89	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	256
90	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	266
91	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	279
92	BMT-D.10	Supply of high strength Cement Concrete plain Step tiles with edge half rounded and grooved conforming to IS: 13801 using aggregates, cement, pigments of regular colour, design and of 25 mm thickness	1 Sqm	399
93	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	419
		PRE-CAST CONCRETE BLOCKS FOR PAVING		
94	BMT-D.12	Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification	1 Sqm	260
95	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	296
96	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	402
97	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	443
98	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	504
99	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	161

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
E.		TIMBER & ROOFING MATERIALS (Landing cost –including cost of conveyance, loading & unloading)		
		<i>Note: Before proposing the Teak Wood Items, the estimating authorities shall obtain prior approval from the competent authority</i>		
100	BMT-E.01	Medium Teak Wood scantlings: up to 2.0 M	1 cum	71195
101	BMT-E.02	Medium Teak Wood scantlings: 2.0 to 3.0 M	1 cum	79106
102	BMT-E.03	Medium Teak Wood scantlings: above 3.0 M	1 cum	87017
103	BMT-E.04	Medium Teak Wood Plancks: any thickness	1 cum	142391
104	BMT-E.05	Best Teak Wood scantlings: up to 2.0 M	1 cum	122614
105	BMT-E.06	Best Teak Wood scantlings: 2.0 to 3.0 M	1 cum	130525
106	BMT-E.07	Best Teak Wood scantlings: above 3.0 M	1 cum	138436
107	BMT-E.08	Best Teak Wood Plancks: any thickness	1 cum	154257
108	BMT-E.09	Burma Teak Wood scantlings: up to 2.0 M	1 cum	168485
109	BMT-E.10	Burma Teak Wood scantlings: 2.0 to 3.0 M	1 cum	173298
110	BMT-E.11	Burma Teak Wood scantlings: above 3.0 M	1 cum	182272
111	BMT-E.12	Burma Teak Wood Plancks: any thickness	1 cum	197369
112	BMT-E.13	Assam Teak Wood scantlings: any length	1 cum	45166
113	BMT-E.14	Assam Teak Wood Plancks: any thickness	1 cum	65493
114	BMT-E.15	Sal Wood scantlings: any length	1 cum	46217
115	BMT-E.16	Sal Wood Plancks: any thickness	1 cum	58690
116	BMT-E.17	A.C sheet Corrugated 6 mm thick	1 sqm	204
117	BMT-E.18	A.C sheet plain 4 m thick	1 sqm	146
118	BMT-E.19	A.C sheet plain 6 m thick	1 sqm	152
119	BMT-E.20	Plain or Corrugated Galvanized iron sheets as per IS 277 (0.1 mm to 0.8 mm thickness)	1 kg	59
120	BMT-E.21	Supply of UV resistant multi-wall polycarbonate sheets for roofing of any colour - 6 mm thick	1 Sqm	1147
121	BMT-E.22	Aluminium universal glazing set 40 mm wide for jointing and fixing polycarbonate sheets	1 RM	109
F.		MILD, GALVANIZED & STAINLESS STEEL (Landing cost –including loading, cost of conveyance, unloading)		
122	BMT-F.01	Mild Steel Hallow single rebate general putpose 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	1 Rm	336

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		provision for Tower Bolts, Aldrops, Lock & Strike plates etc. for both single and double shutter doors		
123	BMT-F.02	Country Nails	1 Kg	52
124	BMT-F.03	Wire Nails	1 Kg	52
125	BMT-F.04	Mild Steel Tubes & pipes of all diameters as per IS-1161	1 Kg	55
126	BMT-F.06	Stainless Steel Tubes, sections, plates, sheets & pipes of all sizes & diameters for - 304 Grade	1 Kg	331
127	BMT-F.07	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type A - IOWA Type Designation as per standard specification	1 Kg	73
128	BMT-F.08	Supplying Galvanized Steel Barbed wire conforming to IS 278 - 1978 : Type B - Glidden Type Designation as per standard specification	1 Kg	73
129	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	131
130	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	131
131	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	131
132	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	178
133	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	178
134	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	178
135	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	203
136	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	203
137	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	203
138	BMT-F.18	Galvanized Iron fly proof wire mesh of not less than 20 gauge	1 Sqm	203
139	BMT-F.19	Stainless steel fly proof wire mesh of not less than 20 gauge	1 Sqm	446
140	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	404
141	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	360
142	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	287

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
143	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	202
144	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	487
145	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	404
146	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	333
147	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	260
148	BMT-F.28	Rabbit wire mesh (chicken mesh) of not less than 30 gauge	1 Sqm	15
149	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	2907
150	BMT-F.30	Supplying & fixing collapsible steel shutters with vertical, double channel of 20 x10x2 mm of 100 mm centre ,Bracers with flat iron 40x40x6 mm with 38 mm dia steel pulleys, the top, bottom and side vertical frames of the collapsible gate with 65x65mmx8mm MS Angle and middle guide rail at site height with 65mmx8mm MS flat for the pulleys to guide and fixed with necessary hold fasts, bolts, nuts, rivets, locking arrangements, stoppers, handles, all accessories all fixtures and painted with one coat of approved steel primer etc., complete for finished item of work as per special spn 1105	1 Sqm	2543
151	BMT-F.31	Powder Coated Mild Steel Hallow single rebate door frames manufactured using cold roll formed process steel sheet of 1.25 mm thick bright (Cold Rolled Close Annealed (CRCA) and profile size of 105 x 60 mm conforming to IS 4351 - 2003 including pretreatment, Galvanized as per IS:277, zinc phosphating finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 60 – 65 microns(Dry film thickness)Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame with Hinges, Base Ties, Holdfast Lugs, Mortar Guards, shock absorbers and provision for Tower Bolts, Aldrops, Lock & Strike plates etc. for both single and double shutter doors	1 RM	589

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
152	BMT-F.32	Providing Epoxy Shield fusion bonded Anti Corrosive epoxy coating to reinforcement bars as per IS-13620-993 specifiacaion for a thickness of 175 (+50) microns including extra cost on account of careful handling, extra cost on account of using PVC coated binding wire instead of G. I. wire, extra cost on account of touch-up material supplied by coating agency and repair work extra cost on account of transportation to and fro from steel yard to plant and Plant to work site by trailer, loading, unloading, complete		
		For Reinforcement Diameterwise Rates		
153	BMT-F.32-A	8 mm dia.	MT	13474
154	BMT-F.32-B	10 mm dia.	MT	12233
155	BMT-F.32-C	12 mm dia.	MT	11406
156	BMT-F.32-D	16 mm dia.	MT	11075
157	BMT-F.32-E	20 mm dia.	MT	10329
158	BMT-F.32-F	25 mm dia	MT	9561
159	BMT-F.32-G	28 mm dia.	MT	9127
160	BMT-F.32-H	32 mm dia.	MT	8476
	G.	FIXTURES FOR DOORS & WINDOWS		
161	BMT-G.01	Brass Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	150
162	BMT-G.02	Brass Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	231
163	BMT-G.03	Brass Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	317
164	BMT-G.04	Brass Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	365
165	BMT-G.05	Brass Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	449
166	BMT-G.06	Aluminium Tower Bolt-10 mm Bolt (IS:204) 75 mm Long	Each	62
167	BMT-G.07	Aluminium Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	76
168	BMT-G.08	Aluminium Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	93
169	BMT-G.09	Aluminium Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	114
170	BMT-G.10	Aluminium Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	137
171	BMT-G.11	Aluminium Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	160
172	BMT-G.12	Aluminium Tower Bolt-10 mm Bolt (IS:204) 350 mm Long	Each	430
173	BMT-G.13	Aluminium Tower Bolt-10 mm Bolt (IS:204) 450 mm Long	Each	544
174	BMT-G.14	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 100 mm Long	Each	24
175	BMT-G.15	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 150 mm Long	Each	35
176	BMT-G.16	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 200 mm Long	Each	51
177	BMT-G.17	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 250 mm Long	Each	68
178	BMT-G.18	MS-Powder Coated Tower Bolt-10 mm Bolt (IS:204) 300 mm Long	Each	85

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
179	BMT-G.19	Brass Butt hinges (IS:205)- 75 mm Long	Each	67
180	BMT-G.20	Brass Butt hinges (IS:205)- 100 mm Long	Each	203
181	BMT-G.21	Brass Butt hinges (IS:205)- 125 mm Long	Each	246
182	BMT-G.22	Brass Butt hinges (IS:205)- 150 mm Long	Each	324
183	BMT-G.23	Aluminium Butt hinges (IS:205)- 75 mm Long	Each	90
184	BMT-G.24	Aluminium Butt hinges (IS:205)- 100 mm Long	Each	107
185	BMT-G.25	Aluminium Butt hinges (IS:205)- 125 mm Long	Each	129
186	BMT-G.26	Aluminium Butt hinges (IS:205)- 150 mm Long	Each	133
187	BMT-G.27	MS-Powder Coated Butt hinges (IS:205)- 75 mm Long	Each	11
188	BMT-G.28	MS-Powder Coated Butt hinges (IS:205)- 100 mm Long	Each	20
189	BMT-G.29	MS-Powder Coated Butt hinges (IS:205)- 125 mm Long	Each	31
190	BMT-G.30	MS-Powder Coated Butt hinges (IS:205)- 150 mm Long	Each	39
191	BMT-G.31	Aluminium Door Handles (IS:208) 75 mm Long	Each	60
192	BMT-G.32	Aluminium Door Handles (IS:208) 100 mm Long	Each	68
193	BMT-G.33	Aluminium Door Handles (IS:208) 125 mm Long	Each	102
194	BMT-G.34	Aluminium Door Handles (IS:208) 150 mm Long	Each	114
195	BMT-G.35	MS-Powder Coated Door Handles (IS:208) 125 mm Long	Each	32
196	BMT-G.36	MS-Powder Coated Door Handles (IS:208) 150 mm Long	Each	45
197	BMT-G.37	Brass Aldrop (IS:2681) 300 mm long	Each	1087
198	BMT-G.38	Brass Aldrop (IS:2681) 350 mm long	Each	2094
199	BMT-G.39	Brass Aldrop (IS:2681) 450 mm long	Each	2982
200	BMT-G.40	Aluminium Aldrop (IS:2681) 200 mm long	Each	266
201	BMT-G.41	Aluminium Aldrop (IS:2681) 250 mm long	Each	315
202	BMT-G.42	Aluminium Aldrop (IS:2681) 300 mm long	Each	342
203	BMT-G.43	MS-Powder Coated Aldrop (IS:2681) 200 mm long	Each	93
204	BMT-G.44	MS-Powder Coated Aldrop (IS:2681) 250 mm long	Each	122
205	BMT-G.45	MS-Powder Coated Aldrop (IS:2681) 300 mm long	Each	146
206	BMT-G.46	Brass Door Stoppers	Each	168
207	BMT-G.47	Brass Windows Stay	Each	181
208	BMT-G.48	Aluminium Flat Latches: 200 mm long	Each	129
209	BMT-G.49	Aluminium Flat Latches: 250 mm long	Each	145
210	BMT-G.50	Aluminium Flat Latches: 300 mm long	Each	159
211	BMT-G.51	MS-Powder Coated Flat Latches: 250 mm long	Each	52
212	BMT-G.52	MS-Powder Coated Flat Latches: 300 mm long	Each	66
213	BMT-G.53	MS-Powder Coated - Door Stoppers	Each	45
214	BMT-G.54	Supply & fixing drapery rods (25.4 mm) 1" x 21 G Powder coated with PVC rings	RM	108
215	BMT-G.55	Supply & fixing drapery bracket - brass powder coated	pair	402
216	BMT-G.56	Deluxe window stay Aluminium	Each	122

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
217	BMT-G.57	Heavy duty Aluminium Door stopper	Each	53
218	BMT-G.58	Brass fancy handles 150 mm	Each	284
219	BMT-G.59	Brass fancy handles 200 mm	Each	384
220	BMT-G.60	Brass fancy handles 250 mm	Each	693
221	BMT-G.61	Brass fancy handles 300 mm	Each	885
222	BMT-G.62	Brass fancy handles 450 mm	Each	1384
223	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
224	BMT-G.64	Double action Stainless steel cover plate and cast body iron floor spring (IS 6315- Table-1)	Each	1700
225	BMT-G.65	Double action Brass cover plate and cast brass body floor spring (IS 6315- Table-1)	Each	4032
226	BMT-G.66	Heavy duty mortise lock 6/7 levers (IS:2209) with PC or CP handles complete set	Each	792
227	BMT-G.67	Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles	Each	2036
228	BMT-G.68	Brass latch heavy 300 mm	Each	545
229	BMT-G.69	Brass latch heavy 350 mm	Each	626
230	BMT-G.70	Brass latch heavy 450 mm	Each	826
231	BMT-G.71	Friction stay hinges for windows	Each	91
232	BMT-G.72	Keyless lockset for toilet doors with CP or PC knob handles (complete set)	Each	295
233	BMT-G.73	Keyless lock set for toilet doors with brass knob handles	Each	780
234	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	1014
235	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	1140
236	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	1196
237	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	3368
238	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	2504

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
239	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	10593
	H.	WATER PROOFING CHEMICALS & ADMIXTURES <i>Literature for usage / application of construction / water proofing materials, epoxies etc, may be obtained from manufacturers.</i>		
240	BMT-H.01	Providing waterproofing treatment by supplying and applying Rainseal HDP 1500 /ROOFSHIELD-1500 OR ZORISHIELD-1500 equivalent (1.50 mm thickness, 2.25Kg per Sq. Mt and 20 X1 Mtr. roll with a centre core of 90 micron thickness HMHDPE film) Water Proofing Membrane. A) apply one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix "Rainseal HDP 1500/ROOFSHIELD-1500 OR equivalent " water proofing membrane, apply second coat of Bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and apply one coat of Rainseal SAP-BITUMINOUS ALUMINIUM PAINT for heat resistance for finished item	1sqm	957
241	BMT-H.02	Low viscosity Epoxy resin injection grout (Two parts) :Rapidstrong Grout EP/Expacrete SNE 1 or Zorigrout EP or Equivalent.(Density 1.07 Kg Per Ltr)	Kg	567
242	BMT-H.03	Epoxy Resin Grouts: Rapidstrong Grout EP3/ Expacrete SNE 3 or Zorigrout EP 3 or Equivalent.	Kg	247
243	BMT-H.04	Non-metalic Floor Hardeners : Rapidstrong NH/Flortop SNC or Zorifloor DH or Equivalent. (Coverage : May be applied at rate 3.5 Kgs /m2 over green concrete for normal traffic & 6-12 Kg / M2 for heavy traffic. Higher application rates yield better abrasion resistance)	Kg	16
244	BMT-H.05	Non oxidizing, heavy duty metallic Floor Hardeners: Rapidstrong FM/ Flortop SNS or Zorifloor NH or Equivalent.	Kg	305
245	BMT-H.06	Epoxy Floor coating: Procoat SNF or Food neutral Epoxy waterproof / dampproof coating : Roofcare EP/ Zoricoat EP or Equivalent. (Coverage : 70 to 80 SFT / Per Ltr / coat)	Kg	610
246	BMT-H.07	Supply of anti-corrosion admixture inhibitor liquid as per Central Electro Chemical Research Institute developed specification and licensee of Concure or Concure Plus or Equivalent (300 ml to 500 ml per Bag of 50 Kgs Cement)	Litre	301
247	BMT-H.08	Surface Treatments curing compounds: HI-CURE 01 or Roofex WB /Roofcoat/ Zoricoat	Kg	57
248	BMT-H.09	Surface Treatments Polyurethane curing compounds: HI-CURE 02 or Roofex WXB/ Roofcare PU/ Zoricoat PU	Kg	66
249	BMT-H.10	Supply of Concure-XL Anti Corrosion and leak proof Crack Proof ,Water Proof ,Concrete Hardener Admixture liquid Dosage (200 ml to 250 ml per Bag of Cement	Litre	271

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
250	BMT-H.11	Supply and application of premixed, non-metallic, ready to use powder, designed for application as a dry shake over freshly floated concrete floors or floor screeds to obtain a monolithic floor with enhanced abrasion resistance MASTERTOP 100 (GREY) of BASF	1 Kg	36
251	BMT-H.12	Supply of Concare-Plus Admixture Anti Corrosion and leak proof Weather Proof, Concrete Hardener Admixture.Dosage (200 ml to 250 ml per Bag of Cement)	1 Litre	271
252	BMT-H.13	Supply of Concare-LP polymer based, leak proof, Admixture liquid, dosage (250 ml to 300 ml per Bag of Cement)	1 Litre	186
253	BMT-H.14	Supply Con- life –Water Proof, Leak Proof, Concrete Hardener, Rust Proof, Admixture Liquid Dosage (200 ml to 250 ml per Bag of Cement)	1 Litre	271
254	BMT-H.15	Supply of Contech – 2000 bio Product (Powder) Anti Corrosion leak proof, Crack Proof ,Chemical Resistant, whether proof, inhibitor liquid. Dosage (5 to 10% of cement weight Cement) and 15% in serve environmental Condition like marine structures / coastal structures and chemical structures,Godowns, effect	1 Kg	296
255	BMT-H.16	Supply of Con – Cura Self Curing Agent Admixture for Concrete. Dosage (100 ml – 250ml per bag (50kgs) of cement depending on the atmospheric temperature and humidity)	1 Litre	1312
256	BMT-H.17	Supply of Con – Grout Epoxy Pourable Crack / Gap Filling Grout System. Dosage (Varies with climate, Site / Substrate Status. Average density is 1.20 Kg / ltr (System)	1 Kg	3217
257	BMT-H.18	Supply of Con Mix – XL Liquid super Plasticizer And Waterproofing With Anti Corrosive properties. Dosage (100 MI – 1ltr Per bag (50Kg)of Cement) Dosage Should be finalized after initial site trials	1 Litre	487
		PLASTICIZERS		
258	BMT-H.19	Concrete Plasticizers and Water reducing admixture Conforming to IS:9103-99	1 kg	53
259	BMT-H.20	Early High Strength, High water retention, polycarboxylic plasticizers Conforming to IS:9103-1999	1 Kg	97
260	BMT-H.21	High performance super plasticizer and water reducing admixture Conforming to IS: 9103-1999	1 Kg	85
261	BMT-H.22	Super plasticizer for high range water reducing admixture Conforming to IS: 9103-1999	1 Kg	93
262	BMT-H.23	Super plasticizer, high range water reducing and retarding admixture complying with IS:9103-1999	1 Kg	72
263	BMT-H.24	Plasticizer for accelerator for sprayed concrete Conforming to IS: 9103-1999.	1Kg	68
		WATER PROOFING COMPOUNDS		
264	BMT-H.25	Integral Cement Waterproofing Liquid Conforming to IS: I.S. 2645-2003	1 Ltr	86

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
265	BMT-H.26	High durable cementitious acrylic based waterproofing systems	1 Kg	110
266	BMT-H.27	Acrylic Polymer Elastomeric Cementitious Waterproof Coatings	1 kg	214
267	BMT-H.28	Single component, elastomeric waterproof membrane coating	1 Ltr	386
268	BMT-H.29	Quick setting, rapid hardening and water proofing compound Conforming to IS: I.S. 2645-2003	1 Ltr	73
269	BMT-H.30	Highly Flexible Waterproof Acrylic Elastomeric bituminous Blended Coatings	1 Ltr	271
		BONDING AGENTS		
270	BMT-H.31	Acrylic based Bonding adhesive	1 kg	258
271	BMT-H.32	Styrene butadiene rubber based bonding agent	1 Kg	330
272	BMT-H.33	Two Parts system of Epoxy Bonding adhesive Conforming to ASTM-C 881	1 Kg	525
		ANTI-CORROSIVE AGENTS		
273	BMT-H.34	Acrylic based Anti corrosive coating	1 Ltr	305
274	BMT-H.35	Rust converter –rust encapsulating coating for steel	1 Ltr	440
275	BMT-H.36	High range of reinforcement / steel protector against corrosion zinc rich epoxy resin primer	1 Kg	500
276	BMT-H.37	Anti corrosion CRPPC (Corrosion Resistant) inhibitive admixture	1 Ltr	315
		GROUTS		
277	BMT-H.38	High Power Polyester Resin Anchor Grout Conforming to ASTM-827	1 Kg	277
278	BMT-H.39	Non-shrink Free flow high strength precision grout Conforming to BS 1881 Part 1161983.	1 Kg	23
279	BMT-H.40	Low viscosity Epoxy resin injection grout	1 Kg	500
280	BMT-H.41	Three component epoxy grout Conforming to IS: ASTM 827 (Three components)	1 Kg	147
		MISCELLANEOUS CHEMICALS		
281	BMT-H.42	Mould / Shutter releasing oil	1 Ltr	136
282	BMT-H.43	Non oxidizing, heavy duty metallic Floor Hardeners	1 Kg	34
283	BMT-H.44	Non-metallic Floor Hardeners	1 Kg	24
284	BMT-H.45	High Strength, Non shrink Micro Concrete for structural repair product.	1 Kg	28
285	BMT-H.46	Structural graded polymer modified reinstatement concrete / mortar (Two Part System)	1 Kg	48
286	BMT-H.47	Three Component high performance elastomeric mortar.	1 Kg	839
287	BMT-H.48	Surface treatment crystalline product.	1 Kg	262
288	BMT-H.49	Polyurethane Sealant. 600 ml tube	1 No.	400

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
289	BMT-H.50	Polysulphide Sealant.	1 Kg	392
290	BMT-H.51	Acrylic Latex caulking compound.	1 Kg	279
291	BMT-H.52	Fast setting cement based plugging compound	1 Kg	75
292	BMT-H.53	Highly Flexible High Range Polyurethane surface coatings	1 Ltr	449
293	BMT-H.54	Coal Tar Epoxy	1 Kg	262
294	BMT-H.55	Water Based Acrylic Blended High power curing compound	1 Kg	94
295	BMT-H.56	Bituminous hot sealing compound	1 Kg	112
296	BMT-H.57	Bitumen solution primer coating.	1 Kg	78
297	BMT-H.58	Air Entraining Agent Conforming to IS: 9103-99	1 Ltr	112
		REPAIRING & TREATMENT WORKS		
298	BMT-H.59	Providing Tar Felting roof repair with approved brand Tar Felt duly applying one coat of appropriate grade of bitumen in hot condition @ 0.2 Kg/1 Sqm of roof area, fixing tar felt (Conforming to IS 1322-1972 specification), applying second coat of appropriate grade of hot bitumen at 1.20 Kg / 1 Sqm of roof area and spreading course aggregate (sand) at 0.063 Cum per 1 Sqm of roof area finished item.	1 Sqm	252
299	BMT-H.60	Providing waterproofing treatment by supplying and fixing synthetic membrane felt of 1.50 mm thickness, 2.25 Kg per Sq. Mtr. duly applying one coat of Bituminous Emulsion, first coat of bituminous grade 85/25, fix waterproofing membrane, applying second coat of bitumen grade 90/15 after sealing all the joints and abutments with a Gas torch and applying one coat of bituminous aluminum paint for heat resistance for finished item.	1 Sqm	345
300	BMT-H.61	Providing and laying of 3mm thick app modified bitumen membrane treatment to the terrace duly [1] removing of existing tar felt. [2] Cleaning of the surface from dirt, dust and other contaminations. [3] application of one coat of Bitumen primer [4] providing and laying of 3mm thick APP Modified Bitumen Membrane with 100 mm overlap fixing with butane torch.	1 Sqm	471
301	BMT-H.62	providing specialized high performance acrylic polymer modified elastomeric cementitious waterproof coating to the terrace / walls / internal portion of the bathroom & toilets / internal portion of the water tanks duly cleaning of the surface from dirt, dust and other contaminations, providing and application of Two coats of High performance Acrylic polymer modified Elastomeric cementitious waterproof coating (1.8 Sq. Mtr. / Kg /Each Coat)	1 Sqm	381
302	BMT-H.63	Providing specialized high build, elastomeric acrylic bituminous blended coating to the terrace / internal portion of the bathroom / toilets / basements / roofing duly a). Cleaning of the surface. b). Applying primer coat of High Build, Elastomeric Acrylic Bituminous Blended Coating c). Application of Two coats of High Build, Elastomeric Acrylic Bituminous Blended Coating	1 Sqm	372

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
303	BMT-H.64	Providing specialized high solid, cold applied, acrylic elastomeric liquid membrane coating treatment to the terrace / roofing with fiber mesh / geo fabric duly a. Cleaning of the surface from dirt, dust and other contaminations. b. Applying one coat of High solid, Cold applied, Acrylic Elastomeric Liquid Membrane coating c. immediately, Application of one coat of High solid, Cold applied, Acrylic Elastomeric Liquid Membrane coating e. Laying of fiber mesh 40 GSM / Geo fabric 40 GSM on the surface. f. Over the Fiber mesh, Application of two coats of High solid, cold applied, Acrylic Elastomeric Liquid Membrane Coating	1 Sqm	567
304	BMT-H.65	Providing specialized polysulphide sealant treatment to the expansion joints (Size : 25mm x 12mm) duly a]. Chipping and removing of existing covering on expansion joints b]. Cleaning of the surface from dirt, dust and other contaminations c]Application of one coat of - High performance specially designed SBR latex polymer based bonding agent d]. Providing and application of Acrylic Polymer modified reinstatement concrete /mortar to the damaged edges of joint and making the groove. e]. Providing and fixing of masking tape on top of the joint both sides f]. Providing and fixing of Back up support material of Backer rod to leave the depth of 12mm on the joint g]. Providing and application of one coat of polysulphide primer on inner edges of Joint. h]. Providing and application of Two part Polysulphide sealant to a width of 25mm and 12mm depth with putty knife and neat finish i]. Removing of masking tape and providing and application of two coats of Acrylic elastomeric cementitious coating	1 RM	567
305	BMT-H. 66	Pre construction Anti termite is a process in which chemical toxic to subterrean tremites is apply/ inject into soil during early stage of building Construction 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 continuous chemical barrier beneath the building which kills or repels terminates & impervious to tremite entry 3. 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 columns , plinth beams (Back filling) walls and floor junction, external perimeters, along reatining wall @ 5.0 Liters/Sqm of the horizontal surface 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 coulmns & 300mm deep around plinth beams, basements & floor filling area including excavation channel along the wall & rodding etc. cost & Conveyance of all	1 Sqm	150

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		materials to the site, cost of labour for sparying, rodding etc. complete for furnished item of work as per the approval of the Engineer-in-charge		
306	BMT-H. 67	Imidacloprid 30.5% SC. Permise SC for pre & post - Construction Anti Termite treatment	1 Litre	3141
		GLASS (Landing cost –including loading, cost of conveyance & unloading)		
307	BMT-I.01	Plain Float Glass 4 mm thick	1 sqm	373
308	BMT-I.02	Plain Float Glass 5 mm thick	1 sqm	474
309	BMT-I.03	Plain Float Glass 6 mm thick	1 Sqm	593
310	BMT-I.04	Plain Float Glass 8 mm thick	1 Sqm	789
311	BMT-I.05	Plain Float Glass 10 mm thick	1 Sqm	830
312	BMT-I.06	Plain Float Glass 12 mm thick	1 Sqm	996
313	BMT-I.07	Tinted - Bronze/ Green Glass 4 mm thick	1 sqm	436
314	BMT-I.08	Tinted - Bronze/ Green Glass 5 mm thick	1 sqm	545
315	BMT-I.09	Tinted - Bronze/ Green Glass 6 mm thick	1 Sqm	654
316	BMT-I.10	Tinted - Bronze/ Green Glass 8 mm thick	1 Sqm	935
317	BMT-I.11	Tinted - Bronze/ Green Glass 10 mm thick	1 Sqm	1090
318	BMT-I.12	Tinted - Bronze/ Green Glass 12 mm thick	1 Sqm	1375
319	BMT-I.13	Pin headed Glass 4 mm thick	1 sqm	280
320	BMT-I.14	Pin headed Glass 5 mm thick	1 sqm	364
321	BMT-I.15	Frosted / Ground Glass 4 mm thick	1 sqm	503
322	BMT-I.16	Frosted / Ground Glass 5 mm thick	1 sqm	632
323	BMT-I.17	Toughened Plain Glass 5 mm (including Glass)	1 sqm	758
324	BMT-I.18	Toughened Plain Glass 6 mm (including Glass)	1 sqm	875
325	BMT-I.19	Toughened Plain Glass 8 mm (including Glass)	1 sqm	1167
326	BMT-I.20	Toughened Plain Glass 10 mm (including Glass)	1 sqm	1399
327	BMT-I.21	Toughened Plain Glass 12 mm (including Glass)	1 sqm	1633
	J.	PAINTS & POLISHES (Landing cost –including loading, cost of conveyance& unloading)		
328	BMT-J.01	Supply of water based Cement Primer of Interior Grade- 1	1 Kg	141
329	BMT-J.02	Supply of water based Cement Primer of Exterior Grade- 2	1 Kg	180
330	BMT-J.03	Supply of Red Oxide Primer Paint for iron works of Grade -1	1 Litre	121
331	BMT-J.04	Supply of Zinc Chromate Yellow Oxide Primer paint for iron works	1 Litre	166
332	BMT-J.05	Supply of Wood Primer	1 Litre	130
333	BMT-J.06	Supply of Metal paste (Putty) for steel works	1 Kg	130

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
334	BMT-J.07	Supply of Putty for wood work	1 Kg	130
335	BMT-J.08	Supply of White Lead	1 Kg	93
336	BMT-J.09	Supply of Synthetic clear Varnish	1 Litre	130
337	BMT-J.10	Supply of Spirit	1 Litre	91
338	BMT-J.11	Supply of Linseed Oil	1 Litre	52
339	BMT-J.12	Supply of thinner for melamine polish/ french polish	1 Litre	119
340	BMT-J.13	Supply of thinner for Poly-urethane polish	1 Litre	244
341	BMT-J.14	Supply of French Polish	1 Litre	170
342	BMT-J.15	Supply of ready made Wax Polish	1 Kg	514
343	BMT-J.16	Supply of Melamine Polish	1 Litre	285
344	BMT-J.17	Supply of Interior Grade Poly-Urethane Polish	1 Litre	579
345	BMT-J.18	Supply of Exterior Grade Poly-Urethane Polish	1 Litre	708
346	BMT-J.19	Supply of wood adhesive compound	1 Kg	201
347	BMT-J.20	Supply of Dry Powder Distemper	1 Kg	38
348	BMT-J.21	Supply of acrylic based Oil Bound washable Distemper	1 Kg	77
349	BMT-J.22	Supply of synthetic polymer luxury plastic emulsion paint of superior grade having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	404
350	BMT-J.23	Supply of Water proof Cement paint	1 Kg	46
	BMT-J.23a	Supply of acrylic interior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	195
351	BMT-J.24	Supply of acrylic exterior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/ liter.	1 Litre	168
352	BMT-J.25	Supply of water proof Cement paint pack	25 Kg	1121
353	BMT-J.26	Supply of paint grade white lime for wash	25 Kg	490
354	BMT-J.27	Supply of anti-corrosive grade - 1 bitumen paint of black colour	1 Litre	465
355	BMT-J.28	Supply of grade-1 aluminium paint	1 Litre	231
356	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	225
357	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	172
358	BMT-J.31	Supply of wall putty of White Cement or Polymer or Cement based	25 Kg	713
359	BMT-J.32	PMCC / Deco orient base or Equivalent exterior Texture.	25 Kg	815
360	BMT-J.33	PMCC or Equivalent Gold line Exterior Texture	25 Kg	1060
361	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	184
362	BMT-J.35	Supply of acrylic emulsion paint weather proof water-based, modified acrylic with silicon additives exterior grade having	1Lit	203

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		VOC (Volatile Organic Compound) content less than 50 grams/ liter.		
	K.	PARTICLE BOARDS (Landing cost –including loading, cost of conveyance, unloading)		
363	BMT-K.01	Melamine faced Single Deco PPB- 8 mm thick	1Sqm	590
364	BMT-K.02	Melamine faced Single Deco PPB- 12 mm thick	1Sqm	670
365	BMT-K.03	Melamine faced Single Deco PPB- 18 mm thick	1Sqm	776
366	BMT-K.04	Melamine faced Single Deco PPB- 25 mm thick	1 Sqm	879
367	BMT-K.05	Melamine faced Single Deco PPB- 35 mm thick	1 Sqm	1463
368	BMT-K.06	Melamine faced Twin Deco PPB- 8 mm thick	1 Sqm	679
369	BMT-K.07	Melamine faced Twin Deco PPB- 12 mm thick	1 Sqm	776
370	BMT-K.08	Melamine faced Twin Deco PPB-18 mm thick	1 Sqm	898
371	BMT-K.09	Melamine faced Twin Deco PPB-25 mm thick	1 Sqm	995
372	BMT-K.10	Melamine faced Twin Deco PPB-35 mm thick	1 Sqm	1869
373	BMT-K.11	Natural Colour-Insulating Board - 12 mm thick	1 Sqm	242
374	BMT-K.12	Natural Colour-Insulating Board - 18 mm thick	1 Sqm	358
375	BMT-K.13	Natural Colour-Insulating Board - 25 mm thick	1 Sqm	414
376	BMT-K.14	White Insulating Board - 12 mm thick	1 Sqm	268
377	BMT-K.15	White Insulating Board - 18 mm thick	1 Sqm	383
378	BMT-K.16	White Insulating Board - 25 mm thick	1 Sqm	341
379	BMT-K.17	Medium Fibre Board: Interior Grade - 6 mm thick	1 Sqm	359
380	BMT-K.18	Medium Fibre Board: Interior Grade - 8 mm thick	1 Sqm	407
381	BMT-K.19	Medium Fibre Board: Interior Grade - 12 mm thick	1 Sqm	545
382	BMT-K.20	Medium Fibre Board: Interior Grade - 15 mm thick	1 Sqm	693
383	BMT-K.21	Medium Fibre Board: Interior Grade - 18 mm thick	1 Sqm	773
384	BMT-K.22	Medium Fibre Board: Interior Grade - 25 mm thick	1 Sqm	1208
385	BMT-K.23	Medium Fibre Board: Interior Grade - 30 mm thick	1 Sqm	1460
386	BMT-K.24	Medium Fibre Board: Interior Grade - 35 mm thick	1 Sqm	1592
387	BMT-K.25	Medium Fibre Board: Exterior Grade - 6 mm thick	1 Sqm.	488
388	BMT-K.26	Medium Fibre Board: Exterior Grade - 8 mm thick	1 Sqm.	569
389	BMT-K.27	Medium Fibre Board: Exterior Grade - 12 mm thick	1 Sqm.	753
390	BMT-K.28	Medium Fibre Board: Exterior Grade - 15 mm thick	1 Sqm.	946
391	BMT-K.29	Medium Fibre Board: Exterior Grade - 18 mm thick	1 Sqm.	1059
392	BMT-K.30	Medium Fibre Board: Exterior Grade - 25 mm thick	1 Sqm.	1411
393	BMT-K.31	Medium Fibre Board: Exterior Grade - 30 mm thick	1 Sqm.	1758
394	BMT-K.32	Medium Fibre Board: Exterior Grade - 35 mm thick	1 Sqm.	2077
395	BMT-K.33	MDF Board: Plain-Interior - 9 mm thick	1 Sqm	346

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
396	BMT-K.34	MDF Board: Plain-Interior - 12 mm thick	1 Sqm	393
397	BMT-K.35	MDF Board: Plain-Interior - 18 mm thick	1 Sqm	487
398	BMT-K.36	MDF Board: Plain-Interior - 25 mm thick	1 Sqm	584
399	BMT-K.37	MDF Board: Plain-Interior - 30 mm thick	1 Sqm	890
400	BMT-K.38	MDF Board: Plain-Interior - 35 mm thick	1 Sqm	1053
401	BMT-K.39	MDF Board: Plain-Exterior - 9 mm thick	1 Sqm	431
402	BMT-K.40	MDF Board: Plain-Exterior - 12 mm thick	1 Sqm	487
403	BMT-K.41	MDF Board: Plain-Exterior - 18 mm thick	1 Sqm	639
404	BMT-K.42	MDF Board: Plain-Exterior - 25 mm thick	1 Sqm	801
405	BMT-K.43	MDF Board: Plain-Exterior - 30 mm thick	1 Sqm	1053
406	BMT-K.44	MDF Board: Plain-Exterior - 35 mm thick	1 Sqm	1213
407	BMT-K.45	MDF Board: Interior-One Side Laminated -9 mm thick	1 Sqm	542
408	BMT-K.46	MDF Board: Interior-One Side Laminated -12 mm thick	1 Sqm	613
409	BMT-K.47	MDF Board: Interior-One Side Laminated -18 mm thick	1 Sqm	713
410	BMT-K.48	MDF Board: Interior-One Side Laminated -25 mm thick	1 Sqm	801
411	BMT-K.49	MDF Board: Interior-One Side Laminated -30 mm thick	1 Sqm	1158
412	BMT-K.50	MDF Board: Interior-One Side Laminated -35 mm thick	1 Sqm	1235
413	BMT-K.51	MDF Board: Exterior-One Side Laminated -9 mm thick	1 Sqm	623
414	BMT-K.52	MDF Board: Exterior-One Side Laminated -12 mm thick	1 Sqm	700
415	BMT-K.53	MDF Board: Exterior-One Side Laminated -18 mm thick	1 Sqm	793
416	BMT-K.54	MDF Board: Exterior-One Side Laminated -25 mm thick	1 Sqm	927
417	BMT-K.55	MDF Board: Exterior-One Side Laminated -30 mm thick	1 Sqm	1235
418	BMT-K.56	MDF Board: Exterior-One Side Laminated -35 mm thick	1 Sqm	1312
419	BMT-K.57	MDF Board: Interior-Both Side Laminated -9 mm thick	1 Sqm	590
420	BMT-K.58	MDF Board: Interior-Both Side Laminated -12 mm thick	1 Sqm	700
421	BMT-K.59	MDF Board: Interior-Both Side Laminated -18 mm thick	1 Sqm	801
422	BMT-K.60	MDF Board: Interior-Both Side Laminated -25 mm thick	1 Sqm	1006
423	BMT-K.61	MDF Board: Interior-Both Side Laminated -30 mm thick	1 Sqm	1235
424	BMT-K.62	MDF Board: Interior-Both Side Laminated -35 mm thick	1 Sqm	1312
425	BMT-K.63	MDF Board: exterior-Both Side Laminated -9 mm thick	1 Sqm	666
426	BMT-K.64	MDF Board: exterior-Both Side Laminated -12 mm thick	1 Sqm	792
427	BMT-K.65	MDF Board: exterior-Both Side Laminated -18 mm thick	1 Sqm	937
428	BMT-K.66	MDF Board: exterior-Both Side Laminated -25 mm thick	1 Sqm	1024
429	BMT-K.67	MDF Board: exterior-Both Side Laminated -30 mm thick	1 Sqm	1296
430	BMT-K.68	MDF Board: exterior-Both Side Laminated -35 mm thick	1 Sqm	1390
431	BMT-K.69	Cement bonded paricle board conforming to is 14276-6 mm thick	1 sqm	233
432	BMT-K.70	Cement bonded paricle board conforming to is 14276- 8 mm thick	1 sqm	311

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
433	BMT-K.71	Cement bonded paricle board conforming to is 14276- 10 mm thick	1 sqm	390
434	BMT-K.72	Cement bonded paricle board conforming to is 14276- 12 mm thick	1 sqm	479
435	BMT-K.73	Cement bonded paricle board conforming to is 14276- 16 mm thick	1 sqm	633
436	BMT-K.74	Cement bonded paricle board conforming to is 14276- 20 mm thick	1 sqm	771
437	BMT-K.75	Cement bonded paricle board conforming to is 14276- 25 mm thick	1 sqm	921
438	BMT-K.76	Cement bonded paricle board conforming to is 14276- 30 mm thick	1 sqm	1119
439	BMT-K.77	Cement bonded paricle board conforming to is 14276- 40 mm thick	1 sqm	1495
440	BMT-K.78	Pre laminated cement bonded particle board-6 mm thick	1 sqm	498
441	BMT-K.79	Pre laminated cement bonded particle board-8 mm thick	1 sqm	545
442	BMT-K.80	Pre laminated cement bonded particle board- 10 mm thick	1 sqm	583
443	BMT-K.81	Pre laminated cement bonded particle board- 12 mm thick	1 sqm	671
444	BMT-K.82	Pre laminated cement bonded particle board- 16 mm thick	1 sqm	714
445	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	286
446	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	346
447	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	425
448	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	523
449	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	691
450	BMT-K.88	Cement Bonded Board conforming to IS:14862-2000 - 4mm Thick	1 Sqm	146
451	BMT-K.89	Cement Bonded Board conforming to IS:14862-2000 - 6mm Thick	1 Sqm	209
452	BMT-K.90	Cement Bonded Board conforming to IS:14862-2000 - 8mm Thick	1 Sqm	269
453	BMT-K.91	Cement Bonded Board conforming to IS:14862-2000 - 10mm Thick	1 Sqm	309
454	BMT-K.92	Cement Bonded Board conforming to IS:14862-2000 - 12mm Thick	1 Sqm	386
455	BMT-K.93	Cement Bonded Board conforming to IS:14862-2000 - 14mm Thick	1 Sqm	410

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
456	BMT-K.94	Cement Bonded Board conforming to IS:14862-2000 - 16mm Thick	1 Sqm	490
457	BMT-K.95	Cement Bonded Board conforming to IS:14862-2000 - 18mm Thick	1 Sqm	529
458	BMT-K.96	Cement Bonded Board conforming to IS:14862-2000 - 20mm Thick	1 Sqm	590
459	BMT-K.97	Laminate Sheets - Glossy Finish: 1 mm thick	1 Sqm	359
460	BMT-K.98	Laminate Sheets - Glossy Finish: 1.50 mm thick	1 Sqm	513
461	BMT-K.99	Laminate Sheets - Glossy Finish: 1.80 mm thick	1 Sqm	563
462	BMT-K.100	Laminate Sheets - Mat Finish: 1 mm thick	1 Sqm	362
463	BMT-K.101	Laminate Sheets - Mat Finish: 1.50 mm thick	1 Sqm	505
464	BMT-K.102	Laminate Sheets - Mat Finish: 1.80 mm thick	1 Sqm	544
465	BMT-K.103	Teak Veneer Lamination - 4 mm thick - Pencil Grains	1 Sqm	401
466	BMT-K.104	Teak Veneer Lamination - 4 mm thick - Natural Grains	1 Sqm	702
467	BMT-K.105	8 mm thick V-Designer Board	1 Sqm	363
468	BMT-K.106	50 mm thick V-PANEL	1 Sqm	907
469	BMT-K.107	75 mm thick V-PANEL	1 Sqm	1143
	L.	PLYWOOD (Landing cost –including loading, cost of conveyance, unloading)		
470	BMT-L.01	3 Ply - 4 mm thick Plywood(IS:303) MR Grade	1 Sqm	363
471	BMT-L.02	5 Ply - 6 mm thick Plywood(IS:303) MR Grade	1 Sqm	399
472	BMT-L.03	5 Ply - 8 mm thick Plywood(IS:303) MR Grade	1 Sqm	470
473	BMT-L.04	5 Ply - 9 mm thick Plywood(IS:303) MR Grade	1 Sqm	470
474	BMT-L.05	9 Ply - 12 mm thick Plywood(IS:303) MR Grade	1 Sqm	588
475	BMT-L.06	9 Ply - 15 mm thick Plywood(IS:303) MR Grade	1 Sqm	867
476	BMT-L.07	9 Ply - 18 mm thick Plywood(IS:303) MR Grade	1 Sqm	850
477	BMT-L.08	3 Ply - 4 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	414
478	BMT-L.09	5 Ply - 6 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	462
479	BMT-L.10	5 Ply - 8 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	576
480	BMT-L.11	5 Ply - 9 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	543
481	BMT-L.12	9 Ply - 12 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	710
482	BMT-L.13	9 Ply - 15 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	1020
483	BMT-L.14	9 Ply - 19 mm thick Plywood(IS:303) BWR/BWP Grade	1 Sqm	1023
484	BMT-L.15	3 Ply-4 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	561
485	BMT-L.16	5 Ply - 6 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	731
486	BMT-L.17	5 Ply - 9 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	894
487	BMT-L.18	9 Ply - 13 mm thick One side Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1193

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
488	BMT-L.19	5 Ply - 9 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1221
489	BMT-L.20	9 Ply - 12 mm thick Both sides Teak Veneer Decorated Plywood (IS:1328)	1 Sqm	1359
	M.	CEILINGS, WALL PARTITIONS & WALL LININGS		
490	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	238
491	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	232
492	BMT-M.03	Gypsum Board Plain sheet 12.5 mm thick as per IS 2095 -1993	1 Sqm	210
493	BMT-M.04	G.I. Ceiling Angle - 25 mm x 10 mm x 0.55 mm	1 RM	63
494	BMT-M.05	G.I. Ceiling Section 51.5 mm x 26 mm x 10.5 mm x 0.55 mm thick	1 RM	72
495	BMT-M.06	G.I. Intermediate Section 45 mm x 15 mm x 15 mm x 0.9 mm	1 RM	71
496	BMT-M.07	G.I. Perimeter Channel - 20 mm x 27 mm x 30 mm (web) of 0.55 mm thick	1 RM	63
497	BMT-M.08	G.I.-Precoated Fine line Grid 25 mm x 25 mm x 0.7 mm	1 RM	35
498	BMT-M.09	G.I.-Precoated Fine line Grid 15 mm x 25 mm x 0.7 mm	1 RM	31
499	BMT-M.10	GI - Precoated - T-Sec- 24 mm x 38 mm x 0.7 mm thick	1 RM	46
500	BMT-M.11	Hot dipped GI Angle - Precoated - Grid: 19 mm x 19 mm	1 RM	34
501	BMT-M.12	Polyester painted GI - T Section - 24 x 32 mm	1 RM	42
502	BMT-M.13	Polyester painted GI - T Section - 24 x 25 mm	1 RM	38
503	BMT-M.14	Polyester painted GI - T Section - 24 mm x 27 mm	1 RM	39
504	BMT-M.15	Aluminium Angle : 24 mm x 24 mm	1 RM	24
505	BMT-M.16	Anodised Aluminium T Section : 24 x 24.5 x 2.4 mm	1 RM	29
506	BMT-M.17	Connecting Clips	1 Each	3
507	BMT-M.18	Rawl Plug	1 Each	2
508	BMT-M.19	6 mm Nylon Rawl Plug	1 Each	4
509	BMT-M.20	Soffit Cleats	1 Each	3
510	BMT-M.21	Drywall Screws - 25 mm	1 Each	2
511	BMT-M.22	Jointing Compound	1 Kgs	25
512	BMT-M.23	Jointing Paper Tape	1 RM	4
513	BMT-M.24	Drywall Top Coat	1 Litre	120
514	BMT-M.25	Universal Holding Clips	1 Each	3
515	BMT-M.26	4 mm Dia GI Connecting Rod	1 RM	11
516	BMT-M.27	2 mm Dia GI Connecting Rod	1 RM	8
517	BMT-M.28	14 mm - Mineral Fiber sheet 600 x 600 of Board / Tegular Edge tiles with a Humidity Resistance of 80% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	499

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
518	BMT-M.29	15 mm - Mineral Fiber sheet 600 x 600 of Board / Tegular Edge tiles with a Humidity Resistance of 90% RH, Average NRC 0.50, Light Reflectance >80%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	584
519	BMT-M.30	16 mm - Tegular Edge 600 x 600 of Board / Tegular/ Micro look Edge tiles with a Humidity Resistance of 99% RH, Average NRC 0.60, Light Reflectance >88%, Thermal Conductivity λ = 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1	1 Sqm	629
520	BMT-M.31	12 mm - Mineral Fiber sheet 600 x 600 (Square / Tegular) Edge tiles	1 Sqm	386
521	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	2318
522	BMT-M.33	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	720
523	BMT-M.34	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	452
524	BMT-M.35	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	327
525	BMT-M.36	Supply of Thermocole 12 mm thick sheets	1 Sqm	22
526	BMT-M.37	Supply of Thermocole 19 mm thick sheets	1 Sqm	39
527	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, paper tape and two coats Dry wall top coat as per specification.	1 Sqm	1044
528	BMT-M.39	Providing wooden panelling 12 mm thick Novapan one side laminated sheet fixed on wooden frame of BT wood size 50.8 mm x 25.4 mm (2"x1") at distance of 609.6mm (2'-0") intervals of both ways providing 3/4" x 1/2" (19.05 mm x 12.7 mm) size BT wood ornamental cover beading and necessary screws, fevicol glue complete for finished item of work.	1 Sqm	1405

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
529	BMT-M.40	Calcium Silicate Boards - 6mm thick	1 Sqm	188
530	BMT-M.41	Calcium Silicate Boards - 8mm thick	1 Sqm	250
531	BMT-M.42	Calcium Silicate Boards - 10mm thick	1 Sqm	314
532	BMT-M.43	Calcium Silicate Boards - 12mm thick	1 Sqm	376
533	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	1184
534	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	1325
535	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	1465
536	BMT-M.47	Supply and fixing of wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: using 8mmthick Calcium silicate boards	1 Sqm	702
537	BMT-M.48	Supply and fixing of wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: Using 10mm thick Calcium silicate boards	1 Sqm	773
538	BMT-M.49	Supply and fixing of wall lining fixing to GI channels of perimeter channel 30mm x 27mm x 0.55 thick and ceiling channels of 51.1mm x 26mm x 10.5mm x 0.55mm thick and fixing and finishing using joint compound and glass fibre tape complete finish as per specification without painting for finished item of work: Using 12mm thick Calcium silicate boards	1 Sqm	844

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
539	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/m3 density is to be placed in cavity of the partition. The joints duly finished with joining compound, glass fibre tape and two coats dry wall top coat as per specification with out painting for finished item of work	1 Sqm	3745
540	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	385
541	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	321
542	BMT-M.53	Designer ceiling Cement Boards -thickness 3.2 mm	1 Sqm	212
543	BMT-M.54	High pressure steam cured Cement Boards 4 mm thick	1 Sqm.	113
544	BMT-M.55	High pressure steam cured Cement Boards 6 mm thick	1 Sqm.	170
545	BMT-M.56	High pressure steam cured Cement Boards 8 mm thick	1 Sqm.	225
546	BMT-M.57	High pressure steam cured Cement Boards 10 mm thick	1 Sqm.	283
547	BMT-M.58	High pressure steam cured Cement Boards 12 mm thick	1 Sqm.	339
548	BMT-M.59	High pressure steam cured Cement Boards 14 mm thick	1 Sqm.	395
549	BMT-M.60	High pressure steam cured Cement Boards 16 mm thick	1 Sqm.	452
550	BMT-M.61	High pressure steam cured Cement Boards 18 mm thick	1 Sqm.	508
551	BMT-M.62	High pressure steam cured Cement Boards 20 mm thick	1 Sqm.	564
552	BMT-M.63	High pressure steam cured designer Cement Boards 4 mm thick	1 Sqm.	166
553	BMT-M.64	High pressure steam cured designer Cement Boards 6 mm thick	1 Sqm.	245
554	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 40 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick E-board / 6 mm thick E-board classic clad 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	1 Sqm.	816

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
555	BMT-M.66	Supply and fixing of wall panelling (water, fire and Termite proof) with frame work made of GI stud profile of size 48 x 40 x 10 x 0.6 mm thick placed at every 610 mm C/C intervals fixed vertically in between floor and roof 'U' track of size 50 x 30 x 0.6 mm thick duly fixed with self expansion screws and with 8 mm thick E-board / 6 mm thick E-board classic cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving a 3 mm gap between two panels of width 2'-0". The Gap will be covered with a decorative beading. Surface will be given a smooth finish over a coat of primer. - With 6 mm Designer	1 Sqm.	870
556	BMT-M.67	Supply and fixing double skin partition with Frame work made of GI stud profile of size 48 x 40 x 10 x 0.6 mm thick placed at every 610 mm C/C intervals and 915 mm horizontal intervals duly fixed with self expansion screws, the E-board of 8 mm thick cladded around with self tapping self embedding screws fixed at every 300 mm (centres) leaving 3 mm gap between two panels of width 2'-0" (610 mm). The gap will be covered with decorative moulding surface will be given a smooth finish over cement primer. The rate is inclusive of cost and conveyance of all materials and labour charges etc. complete.	1 Sqm.	1195
557	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	1476

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
558	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.	1762
559	BMT-M.70	Supply and fixing of CEMENT BONDED PARTICLE BOARDS (IS 14276) false ceiling using 8MM CEMENT BONDED PARTICLE BOARDS with galvanized and pre painted steel T section of size 24mm x 38mm x 0.3 mm for main T duty pre punched to accept cross T section of size 24mm x 30mm x 0.3 mm duly punched at both ends for insertion into main T. The grid size will be 610mm x 610mm. The frame work (grid) is suspended to the roof by using G.I flat of 0.60mm or 14-gauge G.I wire with necessary fixers to the roof and frame work. CEMENT BONDED PARTICLE BOARDS lay on the grid. The cost inclusive of necessary hardware, labor, one coat of primer (Both side) and two coats of smooth finish on visible side.	1 Sqm	924
560	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 of Altek primer and two coats of Altek smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge.	1 Sqm	1161

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
561	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 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 Alltek primer and two coats of Alltek smooth finish and cost and conveyance of all materials to site, labor charges etc., complete as per the direction of Engineer in charge.	1 Sqm	1696
562	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 intervals 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	2336
563	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 intervals 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	1763
564	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	2908
565	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 expanded polystyrene sheet(E.P.S.-Thermocole) stuck on both side with 2mm thick plain/printed /prelam PVC rigid foam sheets reinforced with frame work made from 35mmX5mm M.S. Angle. In between two M.S. Angles 5mm thick plain/printed/prelam heat moulded "Rajshri" PVC 'C' channel of size 50X100mm with feathered edges shall be fixed on the floor	1 sqm	2576

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		&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		
566	BMT-M.77	Providing and fixing INSULATED PVC WALL PANELING shall consist of PVC insulated panels having wall thickness of 1mm /1.5mm/2mm PVC sheet and the desired thickness of EPS (dependent on the insulation required) screwed into the wall using screws of adequate length. The screws shall be placed at a distance of 150mm and shall be 25mm from the edge of the insulated panel on all four 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	1 sqm	1696
567	BMT-M.78	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, manufacture's specification & drawing	1 sqm	1612

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
568	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	1179
569	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	321
570	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
571	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
572	BMT-M.83	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Standard Regular Edge	1 Sqm	406
573	BMT-M.84	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Fissura Fine Model	1 Sqm	416
574	BMT-M.85	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Speckle Model	1 Sqm	434
575	BMT-M.86	Mineral Fibre Ceiling Tile of 0.595 mm x 0.595 mm of 15 mm thick Textura Model	1 Sqm	471
576	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 \pm 0.3mm with tongue and groove system, provided with necessary arrangements for electrical connections, complete, for finished item of work.	1 Sqm.	1308
577	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 \pm 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.	1239

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
578	BMT-M.89	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 \pm 0.3mm both sides. Glass provision/Door provision can be provided along the partition wherever required. Partitions can be made full or half as per requirement complete, for finished item of work.	Sqm.	2175
		Supply and fixing of partitions made of seccolor pre-painted steel (base steel as per IS 513 of 0.58 mm thick 'D' quality, galvanized as per IS 277 with Zinc of 120 GSM). Primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick alkyd backer. Section for outer frame should be 46x52mm, section for shutter should be 46x46mm, section for mullion should be 46x70mm, section for beading should be 18x25mm and section for middle and bottom rail (Lock Rail and Kick Rail) of size should be 23x130mm. The partition should be paneled with 9mm pre-laminated particle board to a height of 0.91m from the bottom, and remaining height with 5mm thick plain glass With Ethyl Propylene Diamine Monomer (EPDM) Gaskets. The sections are to be cut to length, mitre joined with corner bracket Centre mullions are to be fixed using mullion cap. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphate. Mullion caps made of Glass filled nylon. The above frames should be fixed to the concrete/masonry wall by means of self expanding screws, and complete for finished item of work.		
579	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	4477
580	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	5105
		DRY WALL PARTITION WITH 50 MM THICK V-PANEL		
581	BMT-M.92	CEMENT BONDED PARTICLE PLANK- 8 mm- Available size-150 mm X2440mm and 200mm X 2440mm	1 Sqm	613
582	BMT-M.93	CEMENT BONDED PARTICLE PLANK- 10 mm- Available size-150 mm X2440mm and 200mm X 2440mm	1 Sqm	751
583	BMT-M.94	CEMENT BONDED PARTICLE PLANK- 12 mm- Available size-150 mm X2440mm and 200mm X 2440mm	1 Sqm	919

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
	N.	DOORS (Landing cost –including loading, cost of conveyance, unloading)		
584	BMT-N.01	Providing and fixing factory made polyvinyl chloride (PVC) Door Frame of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 10 mm rigid PVC foam sheet, mitre cut at two corners and joined with 2nos. of 150mm long brackets of 15x15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 gauge. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufacturers specification and direction of Engineer-in-Charge for finished item of work	1 Rm	303
585	BMT-N.02	Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 30 x 50mm forming stiles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet to be fitted in the M.S. frame welded / sealed to the stiles & rails with 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 .	1 Sqm	2200

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
586	BMT-N.03	Providing and fixing 30mm thick BRAND FACTORY MADE BOTHSIDE PRELAM SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" Prelam Pac 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 450 angle on either side forming stiles; and 5mm thick, 95mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered in 450 on the inner side to form top and bottom rail 115mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rail shall be provided either side of the panel. 10mm (5mmX2) thick, 20mmwide cross Pac sheet shall be provided as gap insert for top and bottom rail. Panelling of 5mm thick both side Prelam Pac sheet to be fitted in the MS. Frame welded/ sealed to the stiles & rails with 7mm(5mm+2mm) thick X 15mm wide Pac sheet beading on inner side, and joined together with solvent cement adhesive etc. an additional 5mm thick Pac strip of 20mm width is to be stuck on the interior side of the 'C' channel using Pac solvent cement adhesive etc. complete as per direction of Engineer – in-charge, manufacture specification and drawing.	1 sqm	2515
587	BMT-N.04	Providing and fixing 30mm thick BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, and 15mmX15mm for top and bottom rails. The MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" single side Prelam Pac 'C' channel of size 30mmX50mm to form stiles. 5mm thick & 75mm wide single side Prelam 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	2178

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
588	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 19guage. The door frame shall be fixed to the wall using 65/100mm long MS. Screws through the frame by using Pac fasteners. a minimum of 4nos. of screws to be provided for each vertical member and minimum 2nos. for horizontal member etc. complete as per manufacture specification and direction of Engineer-in-charge.	1 Rm	303
589	BMT-N.06	Providing and fixing 35mm thick BRAND FACTORY MADE MOULDED DOOR SHUTTER consisting of sold core single leaf flush door of 30mm thickness, lipped with 15mm (5mmX3) thick X 30mm width on one stiles and top rails and 10mm (5mmX2) thick X 30mm width on the other stiles and bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded Pac sheet with 2,4,6 raised panel design in different panel 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	2636
590	BMT-N.07	MOULDED PVC DOOR – WOOD FREE: Providing and fixing 30mm thick Rajshri Brand factory made Moulded door shutter- wood free consisting of frame made out of MS. tubes 19gauge thickness and size of 25mmX25mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers. The inner panel shall consist of 25mm thick High density EPS conforming to IS 4671-1984 bounded with 2mm thick termite proof, water proof and fire resistant moulded Pac sheet with 2,4,6 raised panel design in different plain and / or prelam colours after routing to the moulded design on one side and 2mm plain and / or prelam Pac sheet on other side of the EPS. The edge of panel to be sealed with lipping of 10mm wide PVC sheet bottom (made by sticking 2 rigid foam sheet of 5mm thickness using Pac solvent cement) and stiles sides 25mm(5mmX5) thick and 30mm width Pac sheet fitted along Ms. Tube for lock provision for lock height 5mm thick Pac sheet of size 150mmX100mm fixed with upper and lower face of inner side of EPS Panel etc. Complete as per direction of Engineer – in-Charge, manufacture specification and drawing	1 sqm	2200

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
591	BMT-N.08	Providing and fixing 30mm thick BRAND FACTORY MADE WIRE MESH SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mmX19mm for stiles and 15mm for top, lock & bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. 19mmX19mm M.S. square tubes shall be covered with 5mm thick heat moulded "Rajshri" PVC 'C' channel of size 30mm thickness, 90mm width out of which 75mm shall be flat and 15mm shall be flat and 15mm shall be bent in 900 on the inner side to from top and bottom rail land 130mm wide PVC sheet out of which 100mm shall be flat and 154mm shall be bent in 900 on both side to from lock rail, 10mm(5mmX2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panel will be of G.I.wire mesh of 24gauge to be fitted in by 'C' channel of size 35mm X10mm on the either side in the stiles. The inner side 'C' channel is fixed by 19mmX19mm MS. Tube on both sides with screws. The wire mesh in top bottom & lock rail is sealed with 15mm X 15mm tube with G.I.wire 10mm(5mmX2) thick PVC strip of 25mm width is to be stuck& nails on both side of G.I. wire mesh interior at the top, bottom & lock rail. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent cement adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawings	1 sqm	1956
592	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	319
593	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	364
594	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	411
595	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	1738
596	BMT-N.13	Flush door shutters, solid bond wood block board type with teak ply on both faces.: 30 mmthick conforming to IS:2202	1 sqm	1824
597	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	1991
598	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	991

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
599	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	1196
600	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	1355
601	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	1533
602	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	1909
603	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	1855
604	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	2054
605	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	2240
606	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	2560
607	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, Aluminum tower bolts and handles , Godrej locks, Fevicol, screws and nails including cost and conveyance of all materials, labor charges, all incidental and operational charges etc., complete for finished item of work at site as per the directions of Engineer in Charge.	1 sqm	2132
608	BMT-N.25	Supply and fixing Cement Bonded Particle Board (IS 14276) single door 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.	1 Sqm	1870

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
609	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	2654
610	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	2222
611	BMT-N.28	DOORS FRAMES (COLOUR COATED STEEL SECTIONS) & SHUTTER USING CEMENT BONDED PARTICLE BOARD AS PER IS 14276: Providing and fixing of door frame made from cold roll formed sections made of galvanized (Base steel as per IS277 with zinc of 120 Gms/sqm) colour coated steel sections with total coated thickness of 1mm, primer coated with epoxy primer coat of 5-7 microns thick, finish paint with polyester paint of 12-16 microns. The Section for door frame is to be filled with polyurethane (P.U) form of 40kg/m3. Overall size of frame section should be of 50mm x 50mm. With necessary corner brackets, stiffeners, hinges, and screws. Cement Bonded particle board shutter (Bison Panel or equivalent) "Single Leaf" with all round styles "U" section of size 12m x 18m x 12mm made from 0.6 mm thick galvanized, colour coated cold rolled steel profiles with 16mm thick Cement Bonded particle Board (Bison Panel or equivalent) with necessary screws fixed at every 1'-0" (304.8mm) intervals. The cost inclusive of MS nickel coated Aldrop of size 250mm long 2nos. 200mm long tower bolt 1no., 125mm handles 2nos., cost and conveyance of all materials at site and applying one coat primer , one coat of luppum and two coats of synthetic enamel paint as per approved design for finished item of work	1 Sqm	3488
612	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,	1 Sqm	3503

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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 $\frac{3}{4}$ " x $\frac{3}{4}$ " , 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.		
613	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 aldrop – 2 Nos.150mm Handle- 1 No , 150 mm long ms powder coated tower bolt 1 no. nickle coated. The cost is inclusive of all incidentals, labor transportation charges.	1 Sqm	2174
614	BMT-N.31	Supply and fixing of door shutters made of rigid PVC extruded hollow section(Nandi or equivalent) of 20mm X 200 mm with the wall thickness of 1.0mm +/- 0.1mm equally divided into 4 no's with tongue and groove locking arrangements. The shutter frame is made of 30mm X 79mm with the wall thickness of 1.5mm +/- 0.15mm section mitre-cut and joined at 4 corners with 125mm X 225mm plastic brackets. The shutter shall be horizontally reinforced with 2 no's of 8mm PVC rods. Teak wood batons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed onto the door shutter.	Sqm.	1628
615	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	215
616	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	169
617	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	185
618	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	185

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
619	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	210
620	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	210
621	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, cut to length, and joined by way of welding, each frame provided with: a) 2mm thick MS powder coated butt hinges of 100 mm long – 3 Nos. for single shutter, 6 Nos. for double shutter. b) CRCA electroplates stiffeners of 6 Nos. – 3 in each vertical. c) 40 mm x 200 mm x 1.2 mm hold fasts screwed to stiffeners – 6 Nos. with split end tail. d) Nylon Aldrop Receiver – 1 No. for single shutter frame. e) Tie Rod – 1 No	1 RM	690
622	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 butt 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	401
623	BMT-N.40	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - only two glass shutters sliding - 95 -Series duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance	1 sqm	5813

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work.		
624	BMT-N.41	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - two glass shutters sliding and one mesh shutter sliding- 95 -Series duly manufactured using UPVC reinforced profiles of (108 mm x 45 mm)/(95.50 mm x 60 mm) x 2.0 mm for outer frames, (75 mm x 39 mm)/(66 mm x 42 mm) x 2.0 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter shall be made of (48.5 mm x 30 mm)/(50 mm x 26.5 mm) x 2.0 mm uPVC profile section and fitted with nylon/polymer mesh and rollers/pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 sqm	6746
625	BMT-N.42	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding doors three track - three glass shutters sliding - 112 -Series duly manufactured using UPVC reinforced profiles of 112.0 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 sqm	6425
626	BMT-N.43	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.25 mm for mullion sections as per the need and 102 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant and accessories for openable door - hinges of stainless steel grade 304- 3 Nos., per shutter	1 Sqm	7646

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		handle with mazak alloy casting 1 No. per shutter, locking system suitably concealed 1 No., with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/deglaing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work		
627	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	879
628	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 rigidity and effective acoustic insulation with 6" Tower bolt – 1 No., 6" D handles – 2 Nos., 10" Aldrop – 1 No., Butt Hinges – 3 Nos, Mortise Lock of approved quality – 1 No, frames fixed to the concrete/masonry wall by means of self expanding screws complete for finished item of work for Single leaf Door	1 Sqm	9348
629	BMT-N.46	Providing & Fixing of Scientific Doors with metal door frames and door shutters made of galvanize steel (base steel as per IS 513 of 0.58 mm thick D quality, galvanized as per IS 277 with Zinc of 120 GSM). coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability/Epoxy polyester powder for powder coating paint thickness 50-60 microns (Dry film thickness) outer frame section of 100 x 58 mm x 1.2 mm thick, shutter section of 0.80 mm thick galvanized steel sheet pressed (roll formed) for 46mm thick fully flush, double skin door shell seam joints at stile edges, in-fill of honeycomb kraft paper used to give the required rigidity and effective acoustic insulation with 6" Tower bolt – 2 Nos., 6" D handles – 2 Nos.,	1 Sqm	9971

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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		
630	BMT-N.47	Moulded panel solid core flush doors using water-resistant hardwood fibre HDF / MDF fibre boards skins of 2.5 mm thick doors - 30 mm thick	1 Sqm	1637
631	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	1790
632	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	1330
633	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	1472
634	BMT-N.51	Providing & fixing 30 mm thick solid panel PVC door shutter consisting of frame made out of 19 guage M.S tube of 19 x 19 mm for stiles, top & bottom rail, with a coat of primer of approved make. M.S. Frame covered with 5 mm thick heat moulded PVC "C" channel of size of 30 x 50 mm forming stiles, 5 mm thick 75 mm wide PVC sheet for top, lock & bottom rail on either side 20 mm wide cross PVC sheet as gap insert for top & bottom rail, panelling of 10mm(+/-)(5mm+5mm)" thick PVC sheet fitted in the M.S. frame welded /sealed to the stiles, on either side joined together with solvent cement adhesive etc., additional 5 mm thick PVC strip of 20 mm width stuck on the interior side of the C channel using solvent cement, complete as per direction of Engineer-in-charge, manufacturers specification.	1 Sqm	2694
635	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	1316
636	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 60 mm x 30 mm with wall thickness of 1.3 mm \pm 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 \pm 0.2 mm with the shutter frame meter cut and joined at corners and all the hardware locations reinforced with special polymeric bars as per drawing	1 Sqm	2315

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		including providing special PVC braket on hinge side, etc complete		
637	BMT-N.54	Providing & fixing internal prelaminated PVC door frame of size 100 x 45 mm with a wall thickness of 5mm, made of extruded 5 mm Prelam PVC foam sheet, mitred cut at two corners and joined with two nos. of 150mm long brackets of 15 x 15 mm MS square tube, two vertical door profiles reinforced with 40 x 20 MS Tube of 19 guage throughout the frame and the door frame fixed to the wall using 65/100mm long MS screws through the frame by using PVC fasteners with a minimum of 3 nos of screws provided for each vertical member and two nos. for horizontal, etc complete as per drawing and direction of Engineer in Charge	1 RM	535
638	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 ize 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 (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for industrial, commercial, residential, cleanroom applications	1 Sqm	9902
639	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	18566

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
640	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 glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 120 minutes Fire Rated door conforming to IS:3614 (Part2) 1992	1 Sqm	11758
641	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	11140

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
642	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 Shutters are with 0.80 mm thick Stainless steel of 304 grade hairline finish Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 120 minutes Fire Rated door conforming to IS:3614 (Part2) 1992	1 Sqm	17681
643	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 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 Stainless steel of 304 grade hairline finish Sheet formed to provide a 46 mm thick fully flush, double skin door shell with Lock Seam joints at stile edges, fitted with in-fill of Honeycomb Kraft Paper and coated with polyester powders of Pure polyester/ epoxy polyester or polyurethane powder for powder coating of thickness 60 – 65 microns and are coated with Zinc Phosphate Primer to receive any paint on site or finished with Thermosetting Polyurethane paint of Aliphatic Grade providing high levels of scratch resistance and durability, the Shutter provided with 6 MM clear float vision glass in Circular, Square or Rectangular shapes, Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter (Profile 102x76x3mm thick).Mortise Sash Lock with Lever Handles, Mortise Dead Bolt, etc for 60 minutes Fire Rated door conforming to IS:3614 (Part2) 1992	1 Sqm	16186

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
644	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	13329
645	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 x 58 mm, door frames with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level, the shutter with 1.2 mm thick hairline finish Stainless steel grade of 304 formed to provide a 46mm thick fully flush, double skin door shell with Lock Seam joints at stile edges with a single / multi Layer of Lead sheet varying thickness from 3mm /1mm to 2mm depends on radiation level. The lead sheets extend the full width and height of the door. Lead thickness is to be equal to the shielding in the adjacent wall. Hardware can be provided with Stainless Steel Ball Bearing Butt Hinges 3 mm thick fixed flush to the frame and shutter etc complete for finished item of work	1 Sqm	21041
646	BMT-N.63	Supply and fixing of BOARD (conforming to IS 14862) door shutter with all-round style "U" lipping size 15 x 18 x 15 mm made from 0.8 mm thick powder coated cold rolled steel profiles with 16 mm thick V-BOARD with necessary screws fixed at 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost	1 Sqm	1334

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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.		
647	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	1143
648	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 18 x 15 mm made from 0.8 mm thick CRCA powder coated steel profile with 16 mm thick V-board with necessary screws fixed at every 1'-0" interval 250 mm long aldrops 2 nos. M.S. nickel coated 250 mm long 1 no. M.S. Tower Bolts Including cost and conveyance. One coat of primer, 2 coats of luppum and 2 coats of synthetic enamel paint as per approved colour, labour charges etc.	1 Sqm	1571
649	BMT-N.66	Providing, supplying & fixing of glazed 2 Track -2 Panel Sliding Door made out of multi chambered UPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The sliding outer frame having a overall size of 60 x 45 mm with reinforcement of 1 mm thickness, super sash with overall size of 39 x 75 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 20 x 18mm and coextruded with gasket. Fiber Glass mesh shall be provided in mesh shutter. Window/Door shall be provided with 6 mm plain float glass, standard hardware & multi poinlocking system of Patio espagnolette. Wall thickness of frame & sash shall be 2.0 mm	1 Sqm	4812
650	BMT-N.67	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 stiffners of ("U" chanel of size 29x9x1mm, 150mm long) -3 no's at hinge point, Frame reinforcement of ("U" GI chanel of size 46x22x.06mm), Bottom tie rod of ("U" GI chanel size of 15x15x1mm) etc. complete as per manufacturers specification for finished item of work. Maximum door frame size : 980 x 2070	Each	14189

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		B) Providing of 35mm thick Facotry made Prelaminated ABS (Acrolonitrile 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 prelaminate ABS sheet thickness of 1.5mm . PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos. for each shutter and ISI make S.S round lock completes for finished item of work. Maximum shutter size of : 910 x 2030 mm		
651	BMT-N.68	Providing of 35mm thick Facotry made Prelaminated ABS (Acrolonitrile 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 prelaminate 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. Maximum shutter size of : 910 x 2030 mm	Each	6422
652	BMT-N.69	Supply and fixing of Bath room / Toilet door shutter with 16mm BISON Lam (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 aldop – 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	2223
653	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 Bison Lam shutter with all-round 'U' Lipping of PPS section of 12mmX18mmX12mmX0.60mm, along hardware of 200m long and 12mm dia aluminum aldop(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	3183

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
654	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	3666
655	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.	178
656	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 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.	1 Sqm	941
657	BMT-N.74	The shutter frame made out of PVC extrude 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 tampered 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	1884

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
658	BMT-N.75	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) 2 Track–2 Panel Sliding Doors duly manufactured using UPVC reinforced profiles(Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin) of 60 mm x 45 mm x 2.20 mm with reinforcement of 1.2 mm thickness, super sash with overall size of 39 mm x 75 mm x 2.20 mm with for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.5 mm prefabricated & welded through fusion welding the door sash shall be fitted with 6 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC. Door shall be provided with standard hardware & multi point locking system of bent handle espagulate .the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 Sqm	5684
659	BMT-N.76	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) 3 track sliding doors with mesh shutter provision – (2-glass shutters)- 95 -Series duly manufactured using UPVC reinforced profiles(Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin) of (108 mm x 45 mm)/(95.50 mm x 60 mm) x 2.20 mm for outer frames, (75 mm x 39 mm)/(66 mm x 42 mm) x 2.20 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the door sash shall be fitted with 6 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC. Door shall be provided with standard hardware & multi point locking system of Patio/Bent espagulate .the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 sqm	6394

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
660	BMT-N.77	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) 3 track sliding doors with mesh shutter – (2-glass shutters and 1-mesh shutter)- 95 - Series duly manufactured using UPVC reinforced profiles (Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin) of (108 mm x 45 mm)/(95.50 mm x 60 mm) x 2.20 mm for outer frames, (75 mm x 39 mm)/(66 mm x 42 mm) x 2.20 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the door sash shall be fitted with 6 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC. Mesh shutter shall be made of (48 mm x 30 mm)/(50 mm x 26.5 mm) x 2.0 mm uPVC profile section and fitted with Vinyl Coated Fiber mesh and rollers/pulley duly fixed with TPV Gaskets weathering seal resistant Door shall be provided with standard hardware & multi point locking system of Patio/Roto espagulate and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 sqm	7066
661	BMT-N.78	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) openable doors with openable shutters duly manufactured using UPVC reinforced profiles (Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin) of 60 mm x 55 mm x 2.40 mm for outer frames, 74 mm x 60 mm x 2.40 mm for mullion sections as per the need and 102 mm x 60 mm x 2.40 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the door sash shall be fitted with 6 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gaskets for sash & Glazing bead shall be co-etruded with Grey colour soft PVC. System shall be provided with 4 no's of 3D Hinges for each shutter and multipoint locking with keys.with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 Sqm	8009

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
662	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 of all materials at site labor charges etc., complete finished item of work.	1 Sqm	2634
	P.	WINDOWS (Landing cost –including loading, cost of conveyance, unloading)		
		Supply and fixing of pre-painted steel windows & top hung and fixed louvered ventilators made of pre - painted steel (base steel as per IS 513 of -0.58 mm thick 'D' quality, galvanized as per IS 277 with zinc of 120 GSM) primer coated with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with 5-7 microns thick alkyd backer, section for outer frame of 46 x 52 mm section and for shutter of 46 x 46 mm section for mullion 46 x 70 mm, and section for beading should be 18 x 25 mm and section for louvered ventilation of 33 x 56 mm Box section and the windows panelled with 5 mm thick plain float glass & 4 mm pinhead glass for ventilators with Ethyl propylene Diamine monomer Gasket (EPDM) and the sections cut to length mitre joined with corner bracket centre mullions fixed using mullion cap and with handle made of high grade aluminium powder coated and nylon receiver, corner brackets made of CRCA with Zinc Phosphate, Mullion caps made of glass filled nylon, frames fixed to the concrete /masonry wall by means of self expanding screws including 10 mm square guard bars with 6" pitch complete for finished item of work.		
663	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	5742
664	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	5742

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
665	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	6074
666	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	5907
667	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	5907
668	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	5411
669	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	5411
670	BMT-P.08	Windows: Centre fixed both side openable shutter 6'-0" x 4'-0" (1828.8x1219.2mm) outer frame section size of 46 x 52 mm shutter frame section size of 46 x 46 mm Mullion section size of 46 x 70 mm fixed beading section size of 18 x 25 mm	1 Sqm	5411
671	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	5411
672	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	6295
673	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	6295
674	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	6295
675	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	4306
676	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	4306

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
677	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	4306
		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.		
678	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	5245
679	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	5576
680	BMT-P.18	Double shutter Window with vertical member 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size of 48x50mm shutter frame section size of 48 x 25 mm and mullion section should be of 48x50mm.	1 Sqm	5576
681	BMT-P.19	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x 1219.2mm). 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	4914
682	BMT-P.20	Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x 1219.2mm). 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	4914
		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		

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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		
683	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
684	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
685	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
686	BMT-P.24	Centre fixed both side openable shutter window 5'0"x4'0" (1524mm x 1219.2mm). 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
687	BMT-P.25	Centre fixed both side openable shutter window 6'0"x4'0" (1828.8mm x 1219.2mm). 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	5797
688	BMT-P.26	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. 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.	1 Sqm	6166

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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 transportation, erection at site complete for finished item of work.		
689	BMT-P.27	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows two track sliding duly manufactured using UPVC reinforced profiles of (62 mm x 60 mm)/(60 mm x 45 mm) x 2.0 mm for outer frames, (66 mm x 38 mm)/(58 mm x 39 mm) x 2.0 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5410
690	BMT-P.28	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - only two glass shutters sliding duly manufactured using UPVC reinforced profiles of (80 mm x 52 mm)/ (94 mm x 45 mm) x 2.0 mm for outer frames, (54 mm x 38 mm)/(39 mm x 58 mm) x 2.20 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor	1 Sqm	5450

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work		
691	BMT-P.29	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows three track - two glass shutters sliding and one mesh shutter duly manufactured using UPVC reinforced profiles of (94 mm x 45 mm)/(80 mm x 52 mm) x 2.0 mm for outer frames, (58 mm x 39 mm)/(54 mm x 38 mm) x 2.0 mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be (42 mm x 25 mm)/(52 mm x 21.5 mm) x 2 mm fitted with nylon/ polymer mesh on rollers/ pulley duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories like locking system 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	6067
692	BMT-P.30	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 48 mm x 60 mm x 2.0 mm for outer frames, 64 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters and 78 mm x 60 mm x 2.0 mm for outward openable shutter frame or 70 mm x 60 mm x 2.0 mm for inward openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5883

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
693	BMT-P.31	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles of 60 mm x 55 mm x 2.0 mm for outer frames, 70 mm x 60 mm x 2.0 mm for mullion sections for two or more openable shutters 70 mm x 60 mm x 2.0 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with TPV Gaskets/ EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	6410
694	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 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	1 Sqm	5168
695	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	1 Sqm	4630

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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		
696	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 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	1 Sqm	6493
697	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	1 Sqm	5969

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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		
698	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 microns thick alkyd backer, section for outer frame of 47 x 36 mm, centre mullion of 60 x 36 mm, section mesh beading 18 x 6 mm and Fly mesh shutter section of 20 x 40 mm, the sections cut to length meter joined with corner bracket and centre mullions fixed with mullion cap, handles, latch, 2 Nos of heavy duty stainless steel pivot hinges per S.S. Mesh for fly mesh shutter (304 grade) including fixing the frames in the concrete/masonry wall by means of self expanding screws complete for finished item of work.	1 Sqm	4333
699	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	5411
		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 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		

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		integrated guide tracks of 12mm width and 24mm deep for provision to slide the Shutter / sash frame and facilitates with a water drain outlet component made of PVC and the shutter frame fitted with 5mm thick plain float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Alumimium 1 No. per each shutter and cut to length miter joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant 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.		
700	BMT-P.38	a) Window with Two Sliding Shutters and without Grill Outer Frame Size 75 mm x 50 mm.	1 Sqm	5411
701	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	5647
		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 float glass of reputed make and fixed with EPDM weathering seal resistant accessories and handle made of Alumimium 1 No. per each shutter and cut to length miter joined with corner brackets including installation of window system at site using anchor fasteners, Silicon sealant 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.		
702	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	5647

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
703	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	6183
704	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	6183
		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.		
705	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	5064
706	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	5541
707	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	5541
		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		

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		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.		
708	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	4625
709	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	4917
710	BMT-P.48	Double openable shutter window size of 4'0" x 4'0" (1219.2mm x 1219.2mm) outer frame section size 80 x 45mm, shutter frame section size of 52 x 25 mm ,Vertical mullion section size of 80 x 60 mm	1 sqm	4917
711	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	4333
712	BMT-P.50	Double Openable Shutter and Center Fixed window of size 6'0 x 4'0 (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	4333
		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		

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		etc., complete for finished item of work.		
713	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	6135
714	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	6426
715	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	6426
716	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	5843
717	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	5843
		Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish		
		Providing and fixing of top hung Ventilators made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 80 x 45 mm, centre mullion of 80 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, outer frame and mullions to have rebate for glazed shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work.		
718	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	5550
719	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	1 sqm	5550

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		45mm,shutter frame section size of 52 x 25mm, vertical mullion section size of 80 x 60 mm		
720	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	5550
721	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	3797
722	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	3797
723	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	3797
		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.		
724	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	6865
725	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 shutter frame section size of 52 x 25mm, vertical mullion section size of 100 x 60 mm	1 sqm	6865
726	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
727	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	4625
728	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,	1 sqm	4625

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		vertical mullion section size of 100 x 60 mm		
729	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	4625
		Note: The above rates are for normal finish, 10% extra may be allowed for Wood Grain finish		
730	BMT-P.68	Providing, supplying & fixing of Fixed Louvered Ventilator made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 x 55 mm with reinforcement of 1 mm thickness and Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware. Wall thickness of frame & Mullion shall be 2.0 mm	1 sqm	5459
731	BMT-P.69	Providing, supplying & fixing of Top hung Ventilator With Exhaust Fan Provision made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having a overall size of 60 x 55 mm with reinforcement of 1 mm thickness, Mullion with overall size of 74 x 60 mm with reinforcement of 1 mm thickness and Sash with overall size of 75 x 60 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 34 x 20 mm coextruded with gasket. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware, single point locking and friction stays. Wall thickness of frame, mullion and sash shall be 2.0 mm	1 sqm	7682
732	BMT-P.70	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) 2 Track-2 Panel Sliding windows duly manufactured using UPVC reinforced profiles(Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin) of (62 mm x 60 mm)/(60 mm x 45 mm) x 2.20 mm for outer frames, (66 mm x 38 mm)/(58 mm x 39 mm) x 2.20 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.0/1.2 mm prefabricated & welded through fusion welding. The window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC. System shall have single point locking with Touch Lock and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 Sqm	6391

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
733	BMT-P.71	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) 3 track sliding windows with mesh shutter provision – (only 2-glass shutters) duly manufactured using UPVC reinforced profiles (Composition of profile shall consists a minimum of 5.5 PHR of TiO ₂ and not more than 12 PHR of CaCo ₃ for every 100 parts of PVC resin) of (80 mm x 52 mm)/ (94 mm x 45 mm) x 2.20 mm for outer frames, (54 mm x 38 mm)/(39 mm x 58 mm) x 2.20 mm for sliding shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.0/1.2 mm prefabricated & welded through fusion welding. The window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC. System shall have single point locking with Touch Lock and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work	1 Sqm	5995
744	BMT-P.72	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) 3 track sliding windows with mesh shutter – (2-glass shutters and 1-mesh shutter) duly manufactured using UPVC reinforced profiles (Composition of profile shall consists a minimum of 5.5 PHR of TiO ₂ and not more than 12 PHR of CaCo ₃ for every 100 parts of PVC resin) of (94 mm x 45 mm)/(80 mm x 52 mm) x 2.20 mm for outer frames, (58 mm x 39 mm)/(54 mm x 38 mm) x 2.20 mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.0/1.2 mm prefabricated & welded through fusion welding. The window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be (42 mm x 25 mm)/(52 mm x 21.5 mm) x 2.0 mm fitted with Vinyl Coated Fiber mesh- on rollers/ pulley duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC. System shall have single point locking with Touch Lock and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 Sqm	6674
734	BMT-P.73	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) casement windows openable shutters duly manufactured using UPVC reinforced profiles (Composition of profile shall consists a minimum of 5.5 PHR of TiO ₂ and	1 Sqm	7051

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		not more than 12 PHR of CaCo3 for every 100 parts of PVC resin) of 60 mm x 55 mm x 2.40 mm for outer frames, 74 mm x 60 mm x 2.40 mm for mullion sections for two or more openable shutters 75 mm x 60 mm x 2.40 mm for openable shutter frame capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.0/1.2 mm prefabricated & welded through fusion welding. The window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with Grey colour TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC and accessories for casement window – friction hinges of stainless steel grade 304/430- 2 Nos., per sash, handle with zamak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.		
735	BMT-P.74	Providing, supplying & fixing of Fixed Louvered Ventilator made out of multi chambered uPVC sections with Glazing bead shall be co-extruded with Grey colour soft PVC. having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 mm x 55 mm x 2.40 with reinforcement of 1 mm thickness and Mullion with overall size of 74 mm x 60 mm x 2.40 mm with reinforcement of 1 mm thickness. (Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin). Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware. Wall thickness of frame & Mullion shall be 2.4 mm., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 sqm	6005
736	BMT-P.75	Providing, supplying & fixing of Top hung Ventilator With Exhaust Fan Provision made out of multi chambered uPVC sections with TPV Gasket for sash & Glazing bead shall be co-extruded with Grey colour soft PVC and reinforced with Galvanized Iron profiles throughout the window. The outer frame having a overall size of 60mm x 55 mm x 2.40 mm with reinforcement of 1 mm thickness, Mullion with overall size of 74 mm x 60 mm x 2.40 mm with reinforcement of 1 mm thickness and Sash with overall size of 75 mm x 60 mm x 2.40 mm with reinforcement of 1.0/1.2 mm thickness. (Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin). Glazing bead for fixing of glass shall be of	1 sqm	8450

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		size 34 x 20 mm coextruded with soft PVC gasket. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware, single point locking using cockspur handle and friction stays. Wall thickness of frame, mullion and sash shall be 2.4 mm.,including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.		
737	BMT-P.76	Supplying and fixing of WINDOWS with Pre laminated Cement Bonded Particle boards and Pre-Painted Steel Sections fabricated from pre-painted Cold rolled formed sections made of galvanized steel color coated sections (Base steel as per IS-512 D quality, galvanized as per IS-277 with Zinc of 120 gram/sqm) with total coated thickness of 0.58mm primer coated with epoxy primer of 5-7 microns thick, finish painted with polyester paint of 12-16 microns and back coated with alkyd backer of 5-7 microns), sections for outer frame and centre mullion (duly filled with PU 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.		
738	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	5237
739	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	5287
740	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	5499
741	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	5086

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
742	BMT-P.77	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 Grillincluding cost and conveyance of all materials, accessories, labour charges for transportation, erection at site complete for finished item of work.	1 Sqm	6818
	Q.	STRUCTURAL GLAZING		
743	BMT-Q.01	Providing and fixing Structural Glazing fabricated from Roll formed sections made of Pre-painted Steel / Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72 mm and the glass holding section made of 304 grade stainless steel of 0.58 mm thick galvanised steel section as stiffeners inside the colour coated steel powder coated sections as per the design requirement & calculations to suit wind pressures as given in IS: 875, the primer coat with epoxy primer of 5 – 7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick and the vertical section of 50 mm x 99 mm x 0.72 mm, 33 mm x 56 mm x 0.72 mm for frame horizontal section, stiffener section of 47 mm x 97 mm x 1 mm, cover profiles sections of 20 mm x 58 mm x 0.58 mm, glass holding section of 37 mm x 37 mm & 37 mm x 18 mm including fixing 5mm thick Ocean Blue reflective glass, brackets made of CRCA powder coated/Electroplated to connect vertical to horizontal, vertical to slab, to fix verticals at top & bottom as per site requirement and gasket made of Ethyl Propylene Diamine Monomer, U.V. resistant silicon sealant including fixing in concrete/masonry wall with self-expanding cap & screws inclusive of cost and conveyance of all materials to site, all labour charges, incidental charges, cost of all consumables etc. and fixing charges	1 Sqm	6625

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		complete for finished item of work.		
744	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	5355
745	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 suing 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 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	1 Sqm	5466
746	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	5466
747	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	4295
748	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	4295

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
749	BMT-Q.07	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Curtain Walling systems duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.5 mm for outer frames, 60 mm x 70 mm x 2.5 mm for casement shutter frames and the mullion sections are of 60 mm x 70 mm x 2.5 mm or 60 mm x 62 mm x 2.5 mm for sliding shutter outer frames and 77 mm x 38 mm x 2.5 mm for sliding shutter frames structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant and accessories for casement window - friction stay hinges of stainless steel grade 304- 2 Nos., per sash, handle with mazak alloy casting 1 No. per sash, multipoint locking system suitably concealed 1 No., per sash provided with raiser wedges for smooth operation for sliding window - clipping locking system 1 No. made of aluminium including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	5844
750	BMT-Q.08	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Fixed Glazing - 48 series duly manufactured using UPVC reinforced profiles of 60 mm x 48 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 76 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	2743
751	BMT-Q.09	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) Fixed Glazing - 56 series duly manufactured using UPVC reinforced profiles of 60 mm x 56 mm x 2.25 mm for outer frames and the mullion sections are of 60 mm x 70 mm x 2.25 mm frames are structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm the sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work	1 Sqm	3278
	S.	A. DISMANTLING clearing away and carefully stacking materials useful for reuse.		
752	BMT-S.01	Stone masonry in cement mortar	1 Cum	361
753	BMT-S.02	Terracing work in roofs or floors	10 Sqm	150
754	BMT-S.03	Flat stones in roof or floors including lifting	10 Sqm	130

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
755	BMT-S.04	Pan tiled or Mangalore tiled roof without roof timbers.	10 Sqm	110
756	BMT-S.05	Flat and pan tiles or Mangalore tiles over flat tiles without roof timbers	10 Sqm	130
757	BMT-S.06	Wrought and framed timber in roofs or floors	1 Cum	188
758	BMT-S.07	Old lime mortar plaster	10 Sqm	40
759	BMT-S.08	Old cement mortar plaster	10 Sqm	50
760	BMT-S.09	Dry rough stone revetment for aprons and stacking within 40 M lead	1 Cum	60
761	BMT-S.10	Revetment for aprons and stacking grouted within 40 lead	1 Cum	44
762	BMT-S.11	Kadapa slabs or Shahabad stone slabs flooring on sand bed	10 Sqm	60
763	BMT-S.12	Through scraping of old plastered surface	10 Sqm	40
764	BMT-S.13	Washing of plastered surface with soap, soda and water (or with soda lime and water)	10 Sqm	12
765	BMT-S.14	clean removal of lime plaster from walls and raking out joints 20mm deep or from terraced roof and raking out joints 100 mm deep	10 Sqm	40
766	BMT-S.15	Clean removal of cement plaster from walls and raking out joint 200 mm deep	10 Sqm	50
	T.	READY MIX CONCRETE		Arrive rate as per APRSD 2009
	U.	EXPANSION JOINT FILLERS		
767	BMT-U.01	Supply of high performance expansion joint filler board conforming to M.O.S.T - 18 mm THICK	1 Sqm	656
768	BMT-U.02	Supply of high performance expansion joint filler board conforming to M.O.S.T - 20 mm THICK	1 Sqm	735
769	BMT-U.03	Supply of high performance expansion joint filler board conforming to M.O.S.T - 25 mm THICK	1 Sqm	919
770	BMT-U.04	Supply of expansion joint filler board for buildings, columns, beams and slabs 20 mm THICK	1 Sqm	263
771	BMT-U.05	Supply of expansion joint filler board for buildings, columns, beams and slabs 25 mm THICK	1 Sqm	329
772	BMT-U.06	Supply of expansion joint filler board for buildings, columns, beams and slabs 50 mm THICK	1 Sqm	656
773	BMT-U.07	Supply of back up to cold applied sealant in construction and longitudinal joint - 10 mm OD	1 RM	11
774	BMT-U.08	Supply of back up to cold applied sealant in construction and longitudinal joint - 12 mm OD	1 RM	13
775	BMT-U.09	Supply of back up to cold applied sealant in construction and longitudinal joint - 15 mm OD	1 RM	15
776	BMT-U.10	Supply of back up to cold applied sealant in construction and longitudinal joint - 20 mm OD	1 RM	21

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
777	BMT-U.11	Supply of back up to cold applied sealant in construction and longitudinal joint - 25 mm OD	1 RM	27
	V.	LABOUR CHARGES		
778	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	242
779	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	286
780	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	334
781	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	384
782	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	597
783	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	721
784	BMM-V.07	Labour charges for making, fabricating office furniture, racks, work-station furniture, cup-board shutters with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings	1 Sqm	605
785	BMM-V.08	Labour charges for making, fabricating kitchen furniture, cup-boards with shutters, box cup-boards, box racks, with ply-wood/ MDF sheets, decolam/ veneer laminations including fixing cutting, making, assembling, fixing hinges, fixing fixtures, fixing locks, pasting sheets/ laminations fixing in position with necessary screws excluding cost of materials, accessories, fittings	1 Sqm	924
786	BMM-V.09	Rounding the edges of Kadapa / Shahabad stone slabs of any thickness including polishing the same	1 Rm	105
787	BMM-V.10	Half Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	318
788	BMM-V.11	Full Rounding the edges of Marble/ Granite stone slabs of all thicknesses including polishing the same.	1 Rm	412
789	BMM-V.12	Machine Cutting charges - for Marble/ Granite slabs up to 50 mm thick by mechanical device.	1 RM	17
790	BMM-V.13	Flat nosing to Kadapa/ Shahabad stone slabs of any thick	1 Rm	50
791	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	1 Kg	27

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		position		
792	BMM-V.15	Labour charges for fixing Iron Doors, Iron Windows and Window Grills in position	1 Kg	5
793	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	24
794	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	21
795	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	131
796	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	1756
797	BMM-V.20	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Etching works	1 Sqm	955
798	BMM-V.21	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Reverse Etching work	1 Sqm	1182
799	BMM-V.22	Labour charges for Glass designing works on any thickness of Glass including fixing at site - Acid wash works	1 Sqm	1477
800	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	383
8801	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	286
802	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	1570
803	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	1484
804	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	1302
805	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	1 sqm	1018

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		wood Ledged, braced and planked doors including frame		
806	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	785
807	BMM-V.30	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows glazed including outer frame and shutter frame	1 sqm	1005
808	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	1515
809	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	1034
810	BMM-V.33	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood Windows framed and planked including outer frame and shutter frame	1 sqm	1237
811	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	833
812	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	1053
813	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	592
814	BMM-V.37	Labour charges for wrought and put up including fixing in position frames of any size, shutters for doors, windows, ventilators including fixing all necessary fixtures etc. for Teak wood G.I or .AC sheet door & windows including outer frame and shutter frame	1 sqm	689

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
815	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	1452
816	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	1388
817	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	1204
818	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	942
819	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	754
820	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	940
821	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	1401
822	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	957
823	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	1143
824	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	810
825	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	1 sqm	1012

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		than teakwood Swing ventilators glazed including outer frame and shutter frame		
826	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	563
827	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	658
828	BMM-V.51	Grooves 2-3 mm	1 Rm	55
	W.	MISCELLANEOUS ITEMS		
829	BMS-W.01	Supplying Aluminium anodised Sections for Doors, partitions, windows, Ventilators (including annodization cost)	1 Kg	306
830	BMS-W.02	Sun Control film to the glazed windows partition including labour charges.	1 sqm	313
831	BMS-W.03	Aluminium Venetian Blinds horizontal 25.4 mm wide with all accessories.	1 sqm	798
832	BMS-W.04	Aluminium Venetian Blinds horizontal 20.0 mm wide with all accessories.	1 sqm	760
833	BMS-W.05	Venetian blinds Vertical blinds 100 mm wide with all accessories.	1 sqm	1290
834	BMS-W.06	Rubber Beading	1 RM	2
835	BMS-W.09	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	1 Litre	217
836	BMS-W.10	Soft Brush	Each	141
837	BMS-W.11	Wire Brush	Each	31
838	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	2189
839	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	1 Sqm	2387

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 4 mm thk		
840	BMS-W.14	Supplying and fixing aluminium composite cladding with skin material 0.5 mm thick aluminium sheet cover material natural polyethylene aluminium cladding panel fixed with extruded aluminium basis frame (50x25x1.5mm) angle cleats, weather sealants, rivets, GI brackets all as approved, using suitable bolts on structural steel work including necessary accessories complete in all respects including all scaffolding and labour charges etc., complete for finished item of work but excluding cost of structural steel fabrication, if any, ACP Cladding - 4 mm thk	1 Sqm	2678
841	BMS-W.15	CEMENT JALI - 25 mm thick	1 sqm	191
842	BMS-W.16	CEMENT JALI - 40 mm thick	1 sqm	248
843	BMS-W.17	CEMENT JALI - 50 mm thick	1 sqm	340
844	BMS-W.18	Aluminium sheet 24 Gauge	1 Sqm	256
845	BMS-W.19	7.5mm thick Aluminium Grill (as approved by the department) 3.58 Kg/Sqm.	1 Sqm	941
846	BMS-W.20	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1" (25.4 mm) thick	1 Sqm	839
847	BMS-W.21	Mastic pad 2'0 " x 4'0" (0.60M x 1.2M) of 1/2" (12.7 mm) thick	1 Sqm	481
		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.		
848	BMS-W.22	Circular sign plate Dia 400mm.	Each.	488
849	BMS-W.23	Circular sign plate Dia 600mm.	Each.	1284
850	BMS-W.24	Circular sing plate Dia 870mm	Each.	2574
851	BMS-W.25	Triangular sign plate 600mm.	Each.	659
852	BMS-W.26	Triangular sign plate 900mm.	Each.	1489
853	BMS-W.27	Square sign plate 600mm.	Each.	1194
854	BMS-W.28	Square sign plate 1000mm.	Each.	4433
855	BMS-W.29	Supply of Polyethylene water storage tank double layer conforming to IS:12701-1996 with lid.	Litre.	7
		Design, fabrication & supply of light weight pre engineered buildings for a maximum span of 9 metres with 50 x 50 x 2.8 mm M.S hollow square tubes for columns, trusses & purlins walls with sandwich panels made up of 2 Nos 10mm thick cement bonded particle/ fibre boards with 25mm thick 12 kg/cum density expanded polystyrene in between encased in 1.25 mm thick 24x7x26 mm 'W' tracks in bottom & top and 'H' section for sides with doors, windows & ventilators, roofing with 26 gauge pre painted profiled sheets fixed with self tapping/ drilling screws, painting with enamel paint for steel items, OBD for interiors and ace for exteriors & providing		

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		base plates, templates & anchor bolts along with civil foundation designs & drawings for the finished item of work		
856	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	363
857	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	1312
858	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	141
859	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	204
860	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	233
861	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	4211
862	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	3838
863	BMS-W.39	Ventilators:- Ventilators are made of 51x51 mm step 'U' section made From 1.25 mm thick C.R. sheet with fixed louvers and glass.	1 Sqm	4294
864	BMS-W.40	Painting:-1) Steel structure is to be painted with 2 coats of Grade I enamel paint.	1 Sqm	114
865	BMS-W.41	2) Exterior walls are painted with one coast of primer and 2 coats of exterior emulsion paint .	1 Sqm	102
866	BMS-W.42	3) Interiors are painted with 1+2 coat of O.B.D.	1 Sqm	85
867	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	Each	998

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
		excluding cost of WC/ Wash basin etc		
868	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	3364
869	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	760
870	BMS.W.46	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.	1 RM	407
		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.		
871	BMS-W.47	Preparing gabions with jungle wood	Each	3
872	BMS-W.48	Planting plants	Each	2
873	BMS-W.49	Pruning plants	Each	3
874	BMS-W.50	Maintaining avenues including fencing, weeding, mulching, watering etc per plant.	Each	7
875	BMS-W.51	- do - When scattered in hot weather with extra conveyance from March to June	Each	8
876	BMS-W.52	Hoisting or lowering of slab	1 cum	111

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
877	BMS-W.53	Dressing faces of granite stone (double line dressing)	1 Sqm	183
878	BMS-W.54	Dressing faces of other than granite stone(double line dressing)	1 Sqm	114
879	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	386
880	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	377
881	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	339
882	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	318
883	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	260
884	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	232
885	BMS-W.61	75 mm long screws -	1 Each	4
886	BMS-W.62	G.I scam bolts & nuts	1 Each	5
887	BMS-W.63	G.I bolts & nuts	1 Each	5
888	BMS-W.64	G.I 'J' bolts 8 mm dia	1 Each	9
889	BMS-W.65	G.I Washers	1 Each	2
890	BMS-W.66	Limpet washers (for scam & 'J' bolts)	1 Each	2
891	BMS-W.67	Bitumen washers	1 Each	2
892	BMS-W.68	White Cement	1 Kg	27
893	BMS-W.69	MS Z Hold fasts - 300 mm long of 40 x 40 x 5 mm ISA	1 Each	32
894	BMS-W.70	Rubber/ Nylon door stop bushes	1 Each	9
895	BMS-W.71	Nylon rollers for sliding glasses/ alluminium windows	1 Each	14

S.No	Item Code	Description of item	Unit	Basic Rate for SoR 2018-19
896	BMS-W.72	Powder coating or colour annodization- any section	1 RM	45
897	BMS-W.73	Continuous Piano Hinges Powder coated Mild steel as per IS-3818 : 1992 of nominal size 25 mm (B) of thickness 0.8 to 1.0 mm	1 RM	32
898	BMS-W.74	Box hinges for cup boards	1 Each	40
899	BMS-W.75	Magnetic Catchers	1 Each	14
900	BMS-W.76	Drilling holes in hard rock surfaces up to 18mm dia	1 RM	187
901	BMS-W.77	Drilling holes in hard rock above 18mm dia	1 RM	261
902	BMS-W.78	Making holes up to 18mm dia in RCC/ any stones up to 50 mm thick	1 Each	32
903	BMS-W.79	Making holes above 18mm dia in RCC/ any stones above 50 mm thick	1 Each	44
904	BMS-W.80	Pressure grouting the drilled holes with neat cement slurry or with approved epoxy bonding agent using pump	1 Each	45
905	BMS-W.81	Primax-(White cement Based Primer)	10 Kg	978
906	BMS-W.82	Super Grip-(Tile Adhesive)	20 Kg	356
	X.	MACHINERY CHARGES, HIRE CHARGES FOR CENTRING		
907	BMC-X.01	Machine charges of rubbing/ polishing floor	1 day	1749
908	BMC-X.02	Power Saw Cutter - Hand Operated - Hire charges	1 Hr	102
909	BMC-X.03	Power Drill - Hand Operated - Hire Charges	1 Hr	95
910	BMC-X.04	Grinding Mortar (Spl Grinding)	1 day	874
911	BMC-X.05	Casuarina Balli Props - 3" to 4" dia - 12'-0" Height	Each	60
912	BMC-X.06	Casuarina Balli Props - 4" to 8" dia - 20'-0" Height	Each	99
913	BMC-X.07	Wall Plate Brackets / beam bottom supports	Each	174
914	BMC-X.08	Wedge Plate fixture	Each	9
915	BMC-X.09	Runner beams of approximately 4" x 4" size	RM	347
916	BMC-X.10	Steel Plates for form works	1 sqm	1312
917	BMC-X.11	Scaffolding Pipes & Centering accessories	1 Kg	99
918	BMC-X.12	Scaffold Boards - Bamboo scaffolds - Bamboos - 8'0" long	Each	107
919	BMC-X.13	Hire charges for stationary Concrete pump conforming to IS 21573 Part-1: 2006 to deliver the fresh green concrete	1 Hr	280
920	BMC-X.14	Concrete delivery pipes conforming to IS 15947 Part I: 2012 to be connected to the pump to delivery point (150 mm Diameter) hire charges per 10 RM	1 Hr	4

- 1 All the items to be used on the works shall be of first quality & ISI marked wherever possible and as approved, workmanship shall be as approved by the Engineer-In-charge of the work.
- 2 Supply Rates for all the materials are based on market rates 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		Labour charges		Centring Charges for 2018-19		Unit of Measurement
1	2	3		4		5		6
HIRE CHARGES FOR CENTERING & SCAFFOLDING								
A	FOOTINGS	Rs.	288	Rs.	631	Rs.	919	per 1 cum
B	BED BLOCKS, BANDS	Rs.	64	Rs.	325	Rs.	389	per 1 cum
C	PEDESTALS	Rs.	328	Rs.	1004	Rs.	1332	per 1 cum
D	PLINTH BEAMS	Rs.	1390	Rs.	1521	Rs.	2911	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.	1180	Rs.	1615	Rs.	2795	per 1 cum
F	CHAJJAS - SUNSHADES	Rs.	233	Rs.	248	Rs.	481	per 1 sqm
G	COLUMNS	Rs.	355	Rs.	2268	Rs.	2623	per 1 cum
H	BEAMS	Rs.	2085	Rs.	1903	Rs.	3988	per 1 cum
I	SLABS - Up to 150 mm thick	Rs.	236	Rs.	215	Rs.	451	per 1 sqm
J	SLABS - above 150 mm - Up to 300 mm thick	Rs.	243	Rs.	222	Rs.	465	per 1 sqm
K	SLABS - above 300 mm thick	Rs.	254	Rs.	232	Rs.	486	per 1 sqm
L	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	858	Rs.	783	Rs.	1641	per 1 sqm
M	PERGOLA SLABS (Only Rib Beams)	Rs.	602	Rs.	549	Rs.	1151	per 1 sqm
N	ARCH BEAMS - up to 1.5 M Span	Rs.	2370	Rs.	2163	Rs.	4533	per 1 cum
O	ARCH BEAMS - above 1.5 M Span	Rs.	2404	Rs.	2193	Rs.	4597	per 1 cum
P	DOME SLABS	Rs.	3833	Rs.	3496	Rs.	7329	per 1 cum
Q	HELICAL STAIRCASES	Rs.	292	Rs.	267	Rs.	559	per 1 sqm
R	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	Rs.	1206	Rs.	1653	Rs.	2859	

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.	790	Rs.	1251	Rs.	2041	per 1 cum
F	CHAJJAS - SUNSHADES	Rs.	156	Rs.	192	Rs.	348	per 1 sqm
G	COLUMNS	Rs.	238	Rs.	1757	Rs.	1995	per 1 cum
H	BEAMS	Rs.	1395	Rs.	1473	Rs.	2868	per 1 cum
I	SLABS - Up to 150 mm thick	Rs.	158	Rs.	167	Rs.	325	per 1 sqm
J	SLABS - above 150 mm - Up to 300 mm thick	Rs.	163	Rs.	172	Rs.	335	per 1 sqm
K	SLABS - above 300 mm thick	Rs.	170	Rs.	180	Rs.	350	per 1 sqm
L	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs.	575	Rs.	607	Rs.	1182	per 1 sqm
M	PERGOLA SLABS (Only Rib Beams)	Rs.	403	Rs.	425	Rs.	828	per 1 sqm
N	ARCH BEAMS - up to 1.5 M Span	Rs.	1586	Rs.	1675	Rs.	3261	per 1 cum
O	ARCH BEAMS - above 1.5 M Span	Rs.	1609	Rs.	1698	Rs.	3307	per 1 cum
P	DOME SLABS	Rs.	2566	Rs.	2708	Rs.	5274	per 1 cum
Q	HELICAL STAIRCASES	Rs.	196	Rs.	207	Rs.	403	per 1 sqm
R	SHEAR WALLS, RCC WALLS, WATER TANK WALLS	DELETED						

						Centring Charges for 2018-19		Unit of Measurement		
SI	NAME OF THE STRUCTURAL MEMBER			Material Hire charges		Labour charges				
1	2			3		4		5		
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.	10.32	Rs.	79.46	Rs.	89.78	per 1 sqm
B	2nd - Floor			Rs.	10.32	Rs.	113.78	Rs.	124.10	per 1 sqm
C	3rd - Floor			Rs.	10.32	Rs.	148.09	Rs.	158.41	per 1 sqm
D	4th - Floor			Rs.	10.32	Rs.	182.41	Rs.	192.73	per 1 sqm
E	5th - Floor			Rs.	10.32	Rs.	216.72	Rs.	227.04	per 1 sqm
F	6th - Floor			Rs.	10.32	Rs.	251.03	Rs.	261.35	per 1 sqm
G	7th - Floor			Rs.	10.32	Rs.	285.33	Rs.	295.65	per 1 sqm
H	8th - Floor			Rs.	10.32	Rs.	319.65	Rs.	329.97	per 1 sqm
I	9th - Floor			Rs.	10.32	Rs.	353.97	Rs.	364.29	per 1 sqm
J	10th - Floor			Rs.	10.32	Rs.	388.27	Rs.	398.59	per 1 sqm
K	11th - Floor			Rs.	10.32	Rs.	422.59	Rs.	432.91	per 1 sqm
L	12th - Floor			Rs.	10.32	Rs.	456.91	Rs.	467.23	per 1 sqm

M	13th - Floor	Rs.	10.32	Rs.	491.22	Rs.	501.54	per 1 sqm
N	14th - Floor	Rs.	10.32	Rs.	525.52	Rs.	535.84	per 1 sqm
O	15th - Floor	Rs.	10.32	Rs.	559.84	Rs.	570.16	per 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

HIRE CHARGES FOR ACCESS SCAFFOLDING - upto 3.66 M using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Wall Plates etc., for PLASTERING to WALLS - 1 sqm

A	1st - Floor	Rs.	1.03	Rs.	7.95	Rs.	8.98	per 1 sqm
B	2nd - Floor	Rs.	1.03	Rs.	11.38	Rs.	12.41	per 1 sqm
C	3rd - Floor	Rs.	1.03	Rs.	14.81	Rs.	15.84	per 1 sqm
D	4th - Floor	Rs.	1.03	Rs.	18.24	Rs.	19.27	per 1 sqm
E	5th - Floor	Rs.	1.03	Rs.	21.67	Rs.	22.7	per 1 sqm
F	6th - Floor	Rs.	1.03	Rs.	25.10	Rs.	26.13	per 1 sqm
G	7th - Floor	Rs.	1.03	Rs.	28.53	Rs.	29.56	per 1 sqm
H	8th - Floor	Rs.	1.03	Rs.	31.97	Rs.	33	per 1 sqm
I	9th - Floor	Rs.	1.03	Rs.	35.40	Rs.	36.43	per 1 sqm
J	10th - Floor	Rs.	1.03	Rs.	38.83	Rs.	39.86	per 1 sqm
K	11th - Floor	Rs.	1.03	Rs.	42.26	Rs.	43.29	per 1 sqm
L	12th - Floor	Rs.	1.03	Rs.	45.69	Rs.	46.72	per 1 sqm
M	13th - Floor	Rs.	1.03	Rs.	49.12	Rs.	50.15	per 1 sqm
N	14th - Floor	Rs.	1.03	Rs.	52.55	Rs.	53.58	per 1 sqm
O	15th - Floor	Rs.	1.03	Rs.	55.98	Rs.	57.01	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.	2.46	Rs.	15.91	Rs.	18.37	per 1 sqm
B	2nd - Floor	Rs.	2.46	Rs.	22.57	Rs.	25.03	per 1 sqm
C	3rd - Floor	Rs.	2.46	Rs.	29.23	Rs.	31.69	per 1 sqm
D	4th - Floor	Rs.	2.46	Rs.	35.90	Rs.	38.36	per 1 sqm
E	5th - Floor	Rs.	2.46	Rs.	42.56	Rs.	45.02	per 1 sqm
F	6th - Floor	Rs.	2.46	Rs.	49.22	Rs.	51.68	per 1 sqm
G	7th - Floor	Rs.	2.46	Rs.	55.89	Rs.	58.35	per 1 sqm
H	8th - Floor	Rs.	2.46	Rs.	62.55	Rs.	65.01	per 1 sqm
I	9th - Floor	Rs.	2.46	Rs.	69.22	Rs.	71.68	per 1 sqm
J	10th - Floor	Rs.	2.46	Rs.	75.88	Rs.	78.34	per 1 sqm
K	11th - Floor	Rs.	2.46	Rs.	82.54	Rs.	85	per 1 sqm
L	12th - Floor	Rs.	2.46	Rs.	89.21	Rs.	91.67	per 1 sqm
M	13th - Floor	Rs.	2.46	Rs.	95.80	Rs.	98.26	per 1 sqm
N	14th - Floor	Rs.	2.46	Rs.	102.53	Rs.	104.99	per 1 sqm
O	15th - Floor	Rs.	2.46	Rs.	109.20	Rs.	111.66	per 1 sqm

CENTERING & SCAFFOLDING CHARGES- FLOOR WISE RATES for Steel scaffolding pipes, jack Props, Steel Centering Plates,etc., for unsupported height 3.66 M																
FLOOR		LINTELS	CHAJJA S - SUNSHADES	COLUMNS	BEAMS	SLAB S - 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)	PERGO LA SLABS (Only Rib Beams)		ARCH BEAMS - up to 1.5 M Span	ARCH BEAMS - above 1.5 M Span	DOVE SLABS	HELICAL STAIR- CASES	Shear walls, RCC Walls, Water Tank Walls
Material Hire for any Floor	H	1180	233	355	2085	236	243	254	858	602		2370	2404	3833	292	1206
Labour Charges for 1st Floor	L	1615	248	2268	1903	215	222	232	783	549		2163	2193	3496	267	1653
Total Hire Charges (H+L)	T	2795	481	2623	3988	451	465	486	1641	1151		4533	4597	7329	559	2859
1st - Floor	L	1615	248	2268	1903	215	222	232	783	549		2163	2193	3496	267	1653
2nd - Floor	L	1777	273	2495	2093	237	244	255	861	604		2379	2412	3846	294	1818
3rd - Floor	L	1938	298	2722	2284	258	266	278	940	659		2596	2632	4195	320	1984
4th - Floor	L	2100	322	2948	2474	280	289	302	1018	714		2812	2851	4545	347	2149
5th - Floor	L	2261	347	3175	2664	301	311	325	1096	769		3028	3070	4894	374	2314
6th - Floor	L	2423	372	3402	2855	323	333	348	1175	824		3245	3290	5244	401	2480
7th - Floor	L	2584	397	3629	3045	344	355	371	1253	878		3461	3509	5594	427	2645
8th - Floor	L	2746	422	3856	3235	366	377	394	1331	933		3677	3728	5943	454	2810
9th - Floor	L	2907	446	4082	3425	387	400	418	1409	988		3893	3947	6293	481	2975
10th - Floor	L	3069	471	4309	3616	409	422	441	1488	1043		4110	4167	6642	507	3141
11th - Floor	L	3230	496	4536	3806	430	444	464	1566	1098		4326	4386	6992	534	3306
12th - Floor	L	3392	521	4763	3996	452	466	487	1644	1153		4542	4605	7342	561	3471
13th - Floor	L	3553	546	4990	4187	473	488	510	1723	1208		4759	4825	7691	587	3637
14th - Floor	L	3715	570	5216	4377	495	511	534	1801	1263		4975	5044	8041	614	3802
15th - Floor	L	3876	595	5443	4567	516	533	557	1879	1318		5191	5263	8390	641	3967
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																

<p style="text-align: center;">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</p>														
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	DOMESLABS	HELICAL STAIRCASES
Material Hire for any Floor	H	790	156	238	1395	158	163	170	575	403	1586	1609	2566	196
Labour Charges for 1st Floor	L	1251	192	1757	1473	167	172	180	607	425	1675	1698	2708	207
Total Hire Charges (H+L)	T	2041	348	1995	2868	325	335	350	1182	828	3261	3307	5274	403
1st - Floor	L	1251	192	1757	1473	167	172	180	607	425	1675	1698	2708	207
2nd - Floor	L	1376	211	1933	1620	184	189	198	668	468	1843	1868	2979	228
3rd - Floor	L	1501	230	2108	1768	200	206	216	728	510	2010	2038	3250	248
4th - Floor	L	1626	250	2284	1915	217	224	234	789	553	2178	2207	3520	269
5th - Floor	L	1751	269	2460	2062	234	241	252	850	595	2345	2377	3791	290
6th - Floor	L	1877	288	2636	2210	251	258	270	911	638	2513	2547	4062	311
7th - Floor	L	2002	307	2811	2357	267	275	288	971	680	2680	2717	4333	331
8th - Floor	L	2127	326	2987	2504	284	292	306	1032	723	2848	2887	4604	352
9th - Floor	L	2252	346	3163	2651	301	310	324	1093	765	3015	3056	4874	373
10th - Floor	L	2377	365	3338	2799	317	327	342	1153	808	3183	3226	5145	393
11th - Floor	L	2502	384	3514	2946	334	344	360	1214	850	3350	3396	5416	414
12th - Floor	L	2627	403	3690	3093	351	361	378	1275	893	3518	3566	5687	435
13th - Floor	L	2752	422	3865	3241	367	378	396	1335	935	3685	3736	5958	455
14th - Floor	L	2877	442	4041	3388	384	396	414	1396	978	3853	3905	6228	476
15th - Floor	L	3002	461	4217	3535	401	413	432	1457	1020	4020	4075	6499	497
<p>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</p>														

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

Sl. No	SECTION	NAMES OF THE ITEMS	NAMES OF THE BRAND / MANUFACTURER / SUPPLIER
1	SECTION – A	BRICKS & BUILDING BLOCKS	Birla Aerocon, Prime, Siporex, Nucon, NCL
2	SECTION – B	NATURAL FLOORING TILES	
3	SECTION – C	WALL & FLOOR TILES	H& R Johnson Marbonite, Porselano, Endura, CERA, Somany, Hindware, Bisazza, Mrblex, Aparna vitero, Armstrong, Naveen Ceramics, Kajaria, Nitco, , Segno, Sphinx, Orient Bell, AGL, RAK Ceramics, Exxaro Tiles, Varmora Grantio, Swasthik Ceracon, Polygel.
		TILE ADHESIVES	Ardex Endura, MYK Laticrete, Polygel.
4	SECTION – D	PAVING & INTERLOCKING TILES	Super Decorative, Aditya Designer, Maha Bhina, Tricon, Phonex, Eurocon, Ultra, Sphinx
5	SECTION – E	TIMBER & ROOFING MATERIALS	Charmnar Fortune
6	SECTION – F		
7	SECTION – G	FIXTURES FOR DOOR & WINDOWS	Jyoti, Classic, Crown, Hardwyn, Birla Aerocon, Ramaply
8	SECTION – H	WATER PROOFING CHEMICALS & ADMIXTURES	Ardex Endura, Multi chem, MYK Schomburg, Walrus, Clean Tech Corrison Chemicals, Essar, Ecma, Sunanda, Bayer Crop Sciences, Bondit, Chowgule, Durox, Polygel, Ecma, Hi-Bond, Alchimica.
9	SECTION – I	GLASS	Modi, Saint Gobain, Asahi, Binani, HNG
10	SECTION – J	PAINTS & POLISHES	Asian, Berger, Nerolac, British Paints, JK Cement, Sunanda Saicoat, Indocem, ESSAR, Sheenlac, Suryacem, PMCC, Neon, GRA FLANKS (Wallz), Walrus – Synthetic Plaster - NCL Alltek, MYK Schomburg, Multichem, GRA Flanks, Indocem, Nippon, Surya Tufit, , Ardex Endura, Surfa Coats Paints, Fortune Paints, Qute, Dulux Paints, Polygel, JSW Portland slag Cements, JSW OPC Cements, Ramco Cements, Akzo Nobel.
11	SECTION – K	PARTICLE BOARDS	NCL Bison, Ramco-Hilux, Ramco-Hicem, Everest-board, Visakha-board, Rajshri, Innsula, Birla Aerocon, Aerolite, Novopan, Bhutan-board, Green ply, Rama Ply
12	SECTION – L	PLYWOOD	Kitply, Century Ply, National Ply, Crown, Bhutan Ply, Samrat, Gurjan ply, Aamoda Ply, NCL, Green ply, Rama Ply,
13	SECTION – M	CEILINGS, WALL PARTITIONS & WALL LININGS	Ramco-Hilux, Everest-board, Visakha-V board, Rajshri, Innsula, Gypsum India, Saintgobain, Armstrong, Daikin, NCL-Seccolor, NCL Bison, Dorma, NCL, Gyproc Bondit, Gyproc Gypsum Plaster, Aerolite, Rondo, NKV Gypsum plaster, Birla Aerocon
14	SECTION – N	DOORS	Anand, Raavila, Kuty, Crown, Standard, Shubhdwar, ITP, Evergreen, Rajshri, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, NCL-Wintech, Fenesta, LG, Masonite, Everest, Ambience, Aamoda, Alpine, Dorma, Nagarjuna, NCL Altek & Seccolor, Ahlada, Niki, ege profil (Deceuninck), VINAYAKA, Qute, Ecovue, Simta Astrix, Prime, Kommerling, Aparnavenster, IClean.
15	SECTION – P	WINDOWS	LG, Ahlada, NCL Altek & Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, NCL-Wintech, Fenesta, ege profil (Deceuninck), ITP, Qute, Ecovue, Simta Astrix, Prime, Kommerling, Aparna venster.
16	SECTION – Q	STRUCTURAL GLAZING	NCL-Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG, Ramaply, Kommerling
17	SECTION – U	EXPANSION JOINT FILLERS	Silseal, Silflex, Armour, Shalitex, MYK Schomburg, Polygel, Alchimica
18	SECTION – W	MISCELLANEOUS ITEMS	Sintex for PVC tanks, Centurywells for Galvalume sheets, Elixir, for PEB structures, smart coat, Aluminium Sections - Hindalco, Nalco, Jindal, Plywood - Kitply, Century Ply, National Ply, Bhutan Ply, Green Ply, Bondit, Rondo, Aludecor, Sudarshana, Unispace, JK Cement, Ardex Endura, Qute, Maa Panel, NKV gypsum.

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

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

WATER SUPPLY & SANITARY ITEMS

WATER SUPPLY & SANITARY ITEMS

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
1	2	3	4	5
A		S.W.G. PIPES & FITTINGS		
1	BMW-A.01	Supplying, laying, jointing and testing 101.6 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. Including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm(5'0") depth and refilling with watering and tamping.	1 RM	378
2	BMW-A.02	Supplying, laying, jointing and testing 101.6 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 914.4 mm (3'0") depth and refilling with watering and tamping.	1 RM	376
3	BMW-A.03	Supplying, laying, jointing and testing 152.4 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm(5'0") depth and refilling with watering and tamping.	1 RM	559
4	BMW-A.04	Supplying, laying, jointing and testing 152.4 mm SWG SP-1 pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in CM 1.5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 914.4 mm (3'0")) depth and refilling with watering and tamping.	1 RM	550
5	BMW-A.05	labour charges only for laying, jointing and testing SWG pipes of any dia with airtight cement joints including excavation of trenches and socket pits in any soil up to 914.4 mm (3'0") depth (except rock requiring blasting) and refilling with watering and tamping.	1 RM	232
6	BMW-A.06	labour charges only for laying, jointing and testing SWG pipes of any dia with airtight cement joints including excavation of trenches and socket pits in any soil up to 1524 mm (5'-0") depth (except rock requiring blasting) and refilling with watering and tamping.	1 RM	288
7	BMW-A.07	a) Supplying, laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05mm gauge graded granite metal chips and cradling 101.6 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets.	1 RM	205
8	BMW-A.08	b) - do - labour charges only	1 RM	10
9	BMW-A.09	a) Supplying, laying, jointing and testing 152.4 mm CC bed 1:2:4 Prop: using 19.05mm gauge graded granite metal chips and cradling 152.4 mm SWG pipe line all round to have 76.2 mm thick cover over the sockets.	1 RM	284
10	BMW-A.10	b) - do - labour charges only	1 RM	49
11	BMW-A.11	a) Supplying & Laying 101.6 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the	1 RM	79

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		channels in position		
12	BMW-A.12	b) - do - labour charges only	1 RM	37
13	BMW-A.13	a) Supplying & Laying 152.4 mm SWG channels with cement mortar joints with suitable brick masonry for fixing the channels in position	1 RM	146
14	BMW-A.14	b) - do - labour charges only	1 RM	51
15	BMW-A.15	Supply of SWG SP-1 Pipe conforming to ISI 651- 4" dia (101.6mm)	1 RM	153
16	BMW-A.16	Supply of SWG SP-1 Pipe conforming to ISI 651- 6" dia (152.4mm)	1 RM	266
17	BMW-A.17	Supply of SWG SP-1 Pipe conforming to ISI 651-8" dia (203.2mm)	1 RM	411
18	BMW-A.18	Supply of SWG SP-1 Pipe conforming to ISI 651- 10" dia (254 mm)	1 RM	752
19	BMW-A.19	Supply of SWG SP-1 Pipe conforming to ISI 651- 12" dia (300 mm)	1 RM	1084
20	BMW-A.20	Supply of SWG SP-1 Pipe conforming to ISI 651- 14" dia (350 mm)	1 RM	1475
21	BMW-A.21	Supply of SWG SP-1 Pipe conforming to ISI 651- 16" dia (400 mm)	1 RM	1778
22	BMW-A.22	Supply of SWG SP-1 Pipe conforming to ISI 651- 18" dia (450 mm)	1 RM	2147
23	BMW-A.23	Supply of SWG SP-2 Pipe conforming to ISI 651- 4" dia (101.6mm)	1 RM	189
24	BMW-A.24	Supply of SWG SP-2 Pipe conforming to ISI 651- 6" dia (152.4mm)	1 RM	281
25	BMW-A.25	Supply of SWG SP-2 Pipe conforming to ISI 651-8" dia (203.2mm)	1 RM	507
26	BMW-A.26	Supply of SWG SP-2 Pipe conforming to ISI 651- 10" dia (254 mm)	1 RM	797
27	BMW-A.27	Supply of SWG SP-2 Pipe conforming to ISI 651- 12" dia (300 mm)	1 RM	1224
28	BMW-A.28	Supply of SWG SP-2 Pipe conforming to ISI 651- 14" dia (350 mm)	1 RM	1587
29	BMW-A.29	Supply of SWG SP-2 Pipe conforming to ISI 651- 16" dia (400 mm)	1 RM	1828
30	BMW-A.30	Supply of SWG SP-2 Pipe conforming to ISI 651- 18" dia (450 mm)	1 RM	2333
31	BMW-A.31	Supply of SWG SP-3 Pipe conforming to ISI 651- 4" dia (101.6mm)	1 RM	241
32	BMW-A.32	Supply of SWG SP-3 Pipe conforming to ISI 651- 6" dia (152.4mm)	1 RM	351
33	BMW-A.33	Supply of SWG SP-3 Pipe conforming to ISI 651-8" dia (203.2mm)	1 RM	621
34	BMW-A.34	Supply of SWG SP-3 Pipe conforming to ISI 651- 10" dia (254 mm)	1 RM	944
35	BMW-A.35	Supply of SWG SP-3 Pipe conforming to ISI 651- 12" dia (300 mm)	1 RM	1319
36	BMW-A.36	Supply of SWG SP-3 Pipe conforming to ISI 651- 14" dia (350 mm)	1 RM	1675
37	BMW-A.37	Supply of SWG SP-2 Pipe conforming to ISI 651- 16" dia (400	1 RM	1928

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		mm)		
38	BMW-A.38	Supply of SWG SP-3 Pipe conforming to ISI 651- 18" dia (450 mm)	1 RM	2623
39	BMW-A.39	Supply of SWG Bends conforming to IS standards -100 mm dia	Each	77
40	BMW-A.40	Supply of SWG Bends conforming to IS standards -150 mm dia	Each	142
41	BMW-A.41	Supply of SWG Bends conforming to IS standards -200 mm dia	Each	268
42	BMW-A.42	Supply of SWG Bendsconforming to IS standards -250 mm dia	Each	544
43	BMW-A.43	Supply of SWG Bends conforming to IS standards -300 mm dia	Each	691
44	BMW-A.44	Supply of SWG Bends conforming to IS standards -350 mm dia	Each	863
45	BMW-A.45	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 100 x 100	Each	148
46	BMW-A.46	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 150 x 100	Each	218
47	BMW-A.47	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 150 x 150	Each	238
48	BMW-A.48	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 100	Each	339
49	BMW-A.49	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 150	Each	396
50	BMW-A.50	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 200 x 200	Each	455
51	BMW-A.51	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 100	Each	534
52	BMW-A.52	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 150	Each	705
53	BMW-A.53	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 200	Each	873
54	BMW-A.54	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 250 x 250	Each	1045
55	BMW-A.55	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 100	Each	762
56	BMW-A.56	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 150	Each	976
57	BMW-A.57	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 200	Each	1189
58	BMW-A.58	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 250	Each	1404
59	BMW-A.59	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 300 x 300	Each	1618
60	BMW-A.60	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 100	Each	951
61	BMW-A.61	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 150	Each	1219
62	BMW-A.62	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 200	Each	1487

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
63	BMW-A.63	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 250	Each	1752
64	BMW-A.64	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 300	Each	2021
65	BMW-A.65	Supply of SWG Junctions (T's & Y's) conforming to IS standards with length of barrel 60 cm for - 350 x 350	Each	2287
66	BMW-A.66	Supply of SWG Plugs conforming to IS standards for 100 mm dia	Each	28
67	BMW-A.67	Supply of SWG Plugs conforming to IS standards for 150 mm dia	Each	53
68	BMW-A.68	Supply of SWG Plugs conforming to IS standards for 200 mm dia	Each	102
69	BMW-A.69	Supply of SWG Plugs conforming to IS standards for 250 mm dia	Each	176
70	BMW-A.70	Supply of SWG Plugs conforming to IS standards for 300 mm dia	Each	279
71	BMW-A.71	Supply of SWG Plugs conforming to IS standards for 350 mm dia	Each	350
72	BMW-A.72	Supplying & fixing 150 mm x 100 mm SWG gully traps conforming to ISI 651 & 4127 with C.I Grating & Cost. Brick masonry in CM 1:6 prop. Intermediate chamber and fitted with 304.8 mm x 288.6mm (12"x9") C.I Frame and hinged cover	Each	485
73	BMW-A.73	Supply of SWG Gully Traps (Round & Square) conforming to IS standards 150 x 100 mm	Each	220
74	BMW-A.74	Labour charges for fixing and laying the SWG Junctions/ Plugs/ Bends of any dia with airtight cement joints as per standard practice	Each	30
75	BMW-A.75	Supply of SWG Saddles conforming to IS standards 150 x 100 mm		156
76	BMW-A.76	Supply of SWG Saddles conforming to IS standards 200 x 100 mm		268
77	BMW-A.77	Supply of SWG Saddles conforming to IS standards 250 x 100 mm		434
	B	MAN HOLES & INSPECTION CHAMBERS -AS PER - IS 4111 : Part 1 : 1986		
78	BMW-B.01	Constructing 904.0 mm (3'0") dia solid block masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using fly-ash blocks of 225 mm thick from approved source having a minimum crushing strength of 10 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including 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	5697
79	BMW-B.02	Constructing 904.0 mm (3'0") dia solid block masonry	Each	8965

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		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.		
80	BMW-B.03	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.	Each	5518
81	BMW-B.04	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing etc., complete for finished item of work as per Standard specification.	Each	8619
82	BMW-B.05	Constructing 914.4 mm x 457.2 mm (3'0"x1'6") brick in CM 1:6 prop. Masonry Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 914.4 mm x 457.2 mm (3'0"x1'6") C.I frame and cover of 40 Kg.	Each	5372
83	BMW-B.06	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber up to 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg.	Each	3238

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
84	BMW-B.07	a)Making drainage connection in the existing inspection including all repairs	Each	107
85	BMW-B.08	b) - do - labour charges only	Each	71
	C	C.I. PIPES & FITTINGS -AS PER - IS 1729:1979 (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)		
		Supplying and fixing of C.I. Single/ Double Socket soil pipes ISI marked conforming to IS:1729-1979 of reputed make with cement caulked joints and fixing as per site requirements including painting black with Japan paint and fixing with necessary wooden blocks fixed in the masonry walls in cement mortar (1½:1) and including fixing of M.S. clamps if necessary with required no. of Bombay nails etc., complete		
86	BMW-C.01	3" dia (76.2 mm) Single Socket	1 RM	678
87	BMW-C.02	4" dia (101.6mm) Single Socket	1 RM	880
88	BMW-C.03	6" dia (152.4mm) Single Socket	1 RM	1388
89	BMW-C.04	3" dia (76.2 mm) Double Socket	1 RM	738
90	BMW-C.05	4" dia (101.6mm) Double Socket	1 RM	974
91	BMW-C.06	6" dia (152.4mm) Double Socket	1 RM	1593
92	BMW-C.07	Labour charges only forfixing 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	227
93	BMW-C.08	Supplying & fixing CI Plain bends Ist 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	262
94	BMW-C.09	Supplying & fixing CI Plain bends Ist 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	329
95	BMW-C.10	Supplying & fixing CI Plain bends Ist 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	539
96	BMW-C.11	Supplying & fixing CI Plug (Door) bends Ist 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	322
97	BMW-C.12	Supplying & fixing CI Plug (Door) bends Ist 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	396
98	BMW-C.13	Supplying & fixing CI Plug (Door) bends Ist 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	853
99	BMW-C.14	Labour charges only for fixing CI Plain/ Plug (Door) bends with cement caulked joints and fixing as per site requirements with standard practice	Each	72
100	BMW-C.15	Supplying and fixing of 76.2 mm (3") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked	Each	407

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		joints and fixing		
101	BMW-C.16	Supplying and fixing of 101.6 mm (4") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	628
102	BMW-C.17	Supplying and fixing of 152.4 mm (6") CI soil single junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	1467
103	BMW-C.18	Supplying and fixing of 76.2 mm (3") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	344
104	BMW-C.19	Supplying and fixing of 101.6 mm (4") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	465
105	BMW-C.20	Supplying and fixing of 152.4 mm (6") CI soil plain single junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	1096
106	BMW-C.21	Labour charges only fixing CI soil single junctions with cement caulked joints and fixing as per site requirements with standard practice	Each	101
107	BMW-C.22	Supplying and Fixing of 76.2 mm (3") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	611
108	BMW-C.23	Supplying and Fixing of 101.6 mm (4") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	739
109	BMW-C.24	Supplying and Fixing of 152.4 mm (6") CI soil Double junction with plug : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	1707
110	BMW-C.25	Supplying and Fixing of 76.2 mm (3") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	530
111	BMW-C.26	Supplying and Fixing of 101.6 mm (4") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	691
112	BMW-C.27	Supplying and Fixing of 152.4 mm (6") CI soil plain Double junction : conforming to IS:1729-1979 with cement caulked joints and fixing	Each	1600
113	BMW-C.28	Labour charges only fixing CI soil Double junctions with cement caulked joints and fixing as per site requirements with standard practice	Each	98
114	BMW-C.29	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing-for 76.20 mm (3") C.I. Pipe	Each	259
115	BMW-C.30	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing-for 101.6 mm (4") C.I. Pipe	Each	360
116	BMW-C.31	Supplying and Fixing of 75mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing-for 152.4 mm (6") C.I. Pipe	Each	776
117	BMW-C.32	Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing- for 76.20 mm (3") C.I. Pipe	Each	307
118	BMW-C.33	Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and	Each	406

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		fixing- for 101.6 mm (4") C.I. Pipe		
119	BMW-C.34	Supplying and Fixing of 115 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixing- for 152.4 mm (6") C.I. Pipe	Each	795
120	BMW-C.35	Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixingfor 76.20 mm (3") C.I. Pipe	Each	354
121	BMW-C.36	Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixingfor 101.6 mm (4") C.I. Pipe	Each	456
122	BMW-C.37	Supplying and Fixing of 150 mm C.I. Offsets 1st quality conforming to IS:1729-1979 with cement caulked joints and fixingfor 152.4 mm (6") C.I. Pipe	Each	923
123	BMW-C.38	Labour charges only fixing CI soil Offsets with cement caulked joints and fixing as per site requirements with standard practice	Each	45
124	BMW-C.39	Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practicefor nominal dia 75 mm (3") and grating size 165 mm dia of weight not less than 5.5 Kgs	Each	465
125	BMW-C.40	Supplying & fixing CI floor traps 1st quality ISI marked with C.P. Grating fixing with white cement as per site requirements with standard practicefor nominal dia 100 mm (4") and grating size 100 mm dia of weight not less than 6 Kgs	Each	568
126	BMW-C.41	Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practicefor nominal dia 75 mm (3") and grating size 100 mm dia of weight not less than 4.0 Kgs	Each	288
127	BMW-C.42	Labour charges only for fixing CI Nahany/ Floor traps with C.P. Grating fixing with white cement as per site requirements with standard practice	Each	50
128	BMW-C.43	Boxing of Nahany traps in RCC floors	Each	162
129	BMW-C.44	Boxing of W.C Trap in R.C.C floors	Each	324
130	BMW-C.45	Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 76.20 mm (3") C.I. Pipe	Each	153
131	BMW-C.46	Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 101.6 mm (4") C.I. Pipe	Each	192
132	BMW-C.47	Supplying & fixing CI Collars (double socket) 1st quality ISI marked conforming to IS:1729-1979 with cement caulked joints and fixing as per site requirements with standard practice for 152.4 mm (6") C.I. Pipe	Each	552
	D	VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 – 1974 (Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)		
133	BMW-D.01	Supplying & Fixing Indian pattern white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap: 580 mm Long	Each	934
134	BMW-D.02	Supplying & Fixing Indian pattern white glazed W.C 1st quality	Each	934

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		ISI marked conforming to IS:2556-Part-3-1981 with"P" or "S" trap: 630 mm Long		
135	BMW-D.03	Labour charges only for fixing Indian pattern W.C with"P" or "S" trap	Each	302
136	BMW-D.04	Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with"P" or "S" trap: 580 mm x 440 mm	Each	1399
137	BMW-D.05	Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with"P" or "S" trap: 630 mm x 450 mm	Each	1467
138	BMW-D.06	Labour charges only Fixing Orissa pan W.C with"P" or "S" trap	Each	377
139	BMW-D.07	Supplying & Fixing porcelain foot rest for squatting I.W.C. (Rectangular pair) of sizes 250 mm x 125 mm x 15 mm thick each foot rest 1st quality ISI marked conforming to IS:2556-Part-10:1974	Pair	215
140	BMW-D.08	Labour charges only for fixing porcelain foot rest for squatting I.W.C. (Rectangular pair)	Pair	69
141	BMW-D.09	Providing Brick masonry seat for Orissa pan/ Indian W.C. using 2nd class bricks as per standard practice	Each	278
142	BMW-D.10	Providing Cement Concrete Squatting plate for Orissa pan/ Indian W.C. in P.C.C. 1:2:4 as per standard practice	Each	83
143	BMW-D.11	Supplying & Fixing low down porcelain flushing tank 10 Lit Capacity with internal components	Each	2226
144	BMW-D.12	Labour charges only for fixing low down porcelain flushing tank with internal components	Each	528
145	BMW-D.13	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'P' trap	Each	1784
146	BMW-D.14	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap	Each	1703
147	BMW-D.15	Labour charges only for fixing European Water Closet with 'P' or 'S' trap as per standard practice	Each	264
148	BMW-D.16	Supplying and Fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996	Each	766
149	BMW-D.17	Labour charges only for fixing plastic seat and lid for European water closet	Each	76
150	BMW-D.18	Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: White Colour	Each	8260
151	BMW-D.19	Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: Coloured - Grade - I/ Grade - II	Each	12044
152	BMW-D.20	Supply, Installation and commissioning approved make floor	Each	15326

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		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		
153	BMW-D.21	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 660 x 460 mm - Single C.P. Pillar cock	Each	2355
154	BMW-D.22	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Single C.P. Pillar cock	Each	2091
155	BMW-D.23	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Double C.P. Pillar cock	Each	2551
156	BMW-D.24	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Single C.P. Pillar cock	Each	1566
157	BMW-D.25	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Double C.P. Pillar cock	Each	1894
158	BMW-D.26	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar	Each	1370

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		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		
159	BMW-D.27	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 450 x 300 mm - Double C.P. Pillar cock	Each	1764
160	BMW-D.28	Labour charges only for fixing Indian make Flat Back Wash Hand Basin with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting Pillar Taps complete with standard CI brackets including wooden block	Each	319
161	BMW-D.29	Supplying and Fixing Pedestal for Wash Hand Basin (H.S.W / Parry / Earthenware)	Each	1084
162	BMW-D.30	Labour charges only for fixing pedestal for wash hand basin	Each	136
163	BMW-D.31	Supplying & Fixing 31.75 mm C.P bottle trap (Heavy type) Parryware or equivalent	Each	390
164	BMW-D.32	Labour charges only for fixing bottle trap to the wash hand basin	Each	45
165	BMW-D.33	Supplying & Fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make conforming to IS:2556-1995	Each	810
166	BMW-D.34	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part 6, Sec-6-1974 fixed with screws complete Indian make : 410 x 265 x 305 mm	Each	2385
167	BMW-D.35	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part 6, Sec-6-1974 fixed with screws complete Indian make : 590 x 375 x 390 mm	Each	2647
168	BMW-D.36	Labour charges only Fixing flat back Bowl/ Half stall urinals with fixing C.P. Spreader and screws complete	Each	127
169	BMW-D.37	Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : 600 x 400 x 250	Each	4319
170	BMW-D.38	Supplying & Fixing Indian make white glazed vitreous china porcelain sink conforming to IS:2556-Part-5-1994 on cantilever brackets with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 : 750 x 450 x 250	Each	4844
171	BMW-D.39	Labour charges only for fixing Vitreous china porcelain sinks with waste fittings, rubber plug, chain, cantilever brackets etc.	Each	319
172	BMW-D.40	a) S & F 609.6 x 457.2 x 254 mm RCC terrazzo finished sink (or constructed at site with 50.8mm thick) brass plug and chain including CI cantilever brackets	Each	704

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
173	BMW-D.41	b) - do - labour charges only	Each	225
	E	TAPS & FAUCETS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)		
174	BMW-E.01	a) S & F 12.7 mm NP stop cock Indian make heavy duty	Each	406
175	BMW-E.02	b) - do - labour charges only	Each	29
176	BMW-E.03	a) S & F concealed stop cock 12.7 mm (1/2") Indian Make heavy duty	Each	465
177	BMW-E.04	b) - do - labour charges only	Each	43
178	BMW-E.05	a) S & F angle stop cock 12.7 mm dia first quality Indian Make heavy duty	Each	408
179	BMW-E.06	b) - do - labour charges only	Each	43
180	BMW-E.07	a) S&F 12.7 mm N.P bib tap Indian make heavy duty	Each	349
181	BMW-E.08	b) - do - labour charges only	Each	29
182	BMW-E.09	a) S&F 12.7mm N.P bib tap Indian make heavy duty	Each	223
183	BMW-E.10	b) - do - labour charges only	Each	29
184	BMW-E.11	a) S & F 31.75 mm brass plumber Union best Indian first quality	Each	61
185	BMW-E.12	b) - do - labour charges only	Each	14
186	BMW-E.13	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	200
187	BMW-E.14	b) - do - labour charges only	Each	29
188	BMW-E.15	a) S & F 12.7 mm brass stop cock Indian make heavy duty	Each	177
189	BMW-E.16	b) - do - labour charges only	Each	29
190	BMW-E.17	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	200
191	BMW-E.18	b) - do - labour charges only	Each	29
192	BMW-E.19	a) S & F 12.7 mm brass bib cock Indian make heavy duty	Each	177
193	BMW-E.20	b) - do - labour charges only	Each	29
194	BMW-E.21	S & F CP Long body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make	Each	547
195	BMW-E.22	S & F CP Short body bib cock fancy type deluxe heavy duty 12.7 mm dia Indian make	Each	525
196	BMW-E.23	S & F 12.7mm heavy duty dia high neck pillar cock 1st quality Indian make	Each	994
197	BMW-E.24	a) S & F 12.7 mm heavy duty NP Swan Neck Pillar cock	Each	994
198	BMW-E.25	b) - do - labour charges only	Each	41
199	BMW-E.26	a) S & F 12.7 mm heavy duty NP Sink cock	Each	992
200	BMW-E.27	b) - do - labour charges only	Each	35
201	BMW-E.28	S&F 12.7 mm dia NP pillar cock heavy duty 1st quality Indian make	Each	522
202	BMW-E.29	S&F 12.7 mm dia NP push cock 1st quality	Each	234
203	BMW-E.30	S&F 12.7 mm dia NP lift cock 1st quality	Each	205
204	BMW-E.31	a) S & F 38.1 mm C.P waste coupling Half or Full Thread 1st Quality Indian make Parryware or equivalent	Each	205
205	BMW-E.32	b) - do - labour charges only	Each	29
206	BMW-E.33	a) S & F 31.75 mm PVC bottle trap	Each	125
207	BMW-E.34	b) - do - labour charges only	Each	29
208	BMW-E.35	a) S&F 38.1 mm brass plumber union	Each	61
209	BMW-E.36	b) - do - labour charges only	Each	14
210	BMW-E.37	a) S & F 19.05 mm heavy duty NP stop cock Indian make with	Each	522

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		ISI mark		
211	BMW-E.38	b) - do - labour charges only	Each	29
	F	G.I. PIPES & FITTINGS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)		
212	BMW-F.01	S& F Glunion 12.7 mm 1st Quality	Each	38
213	BMW-F.02	S& F Glunion 19.05 mm 1st Quality	Each	46
214	BMW-F.03	S& F Glunion 25.4 mm 1st Quality	Each	70
215	BMW-F.04	S& F Glunion 31.75 mm 1st Quality	Each	86
216	BMW-F.05	S& F Glunion 38.1 mm 1st Quality	Each	103
217	BMW-F.06	S& F Glunion 50.8 mm 1st Quality	Each	128
218	BMW-F.07	S& F GI connector 25.4 mm dia	Each	76
219	BMW-F.08	S& F 12.7 mm GI 'T' A class 1st quality	Each	47
220	BMW-F.09	S& F 31.75mm dia GI bend 1st quality	Each	70
221	BMW-F.10	S & F 31.75 mm dia GI 'T' 1st Quality	Each	69
222	BMW-F.11	a) S & F 25.4 mm copper ball cock ith PVC ball Indian make ISI mark	Each	404
223	BMW-F.12	b) - do - labour charges only	Each	44
224	BMW-F.13	a) S & F 19.05 mm copper ball cock ith PVCball Indian make ISI mark	Each	331
225	BMW-F.14	b) - do - labour charges only	Each	41
226	BMW-F.15	a)S & F 12.7 mm copper ball cock ith PVC ball Indian make ISI mark	Each	218
227	BMW-F.16	b) - do - labour charges only	Each	44
228	BMW-F.17	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 25 mm NB Size	Each	1051
229	BMW-F.18	b) - do - labour charges only	Each	44
230	BMW-F.19	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 20 mm NB Size	Each	733
231	BMW-F.20	b) - do - labour charges only	Each	44
232	BMW-F.21	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 15 mm NB Size	Each	545
233	BMW-F.22	b) - do - labour charges only	Each	44
234	BMW-F.23	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 32 mm NB Size	Each	1594
235	BMW-F.24	b) - do - labour charges only	Each	39
236	BMW-F.25	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 40 mm NB Size	Each	2155
237	BMW-F.26	b) - do - labour charges only	Each	67
238	BMW-F.27	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 50 mm NB Size	Each	3155
239	BMW-F.28	b) - do - labour charges only	Each	90
240	BMW-F.29	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 65 mm NB Size	Each	4868
241	BMW-F.30	b) - do - labour charges only	Each	112
242	BMW-F.31	a)S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 80 mm NB Size	Each	7211
243	BMW-F.32	b) - do - labour charges only	Each	133
244	BMW-F.33	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB	Each	406

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		Size		
245	BMW-F.34	b) - do - labour charges only	Each	56
246	BMW-F.35	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size	Each	919
247	BMW-F.36	b) - do - labour charges only	Each	67
248	BMW-F.37	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size	Each	1866
249	BMW-F.38	b) - do - labour charges only	Each	112
250	BMW-F.39	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size	Each	2548
251	BMW-F.40	b) - do - labour charges only	Each	112
252	BMW-F.41	a) Supplying & fixing Gunmetal (GM) Horizontal Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size	Each	589
253	BMW-F.42	b) - do - labour charges only	Each	54
254	BMW-F.43	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 15 mm NB Size	Each	383
255	BMW-F.44	b) - do - labour charges only	Each	54
256	BMW-F.45	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 20 mm NB Size	Each	496
257	BMW-F.46	b) - do - labour charges only	Each	54
258	BMW-F.47	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 25 mm NB Size	Each	745
259	BMW-F.48	b) - do - labour charges only	Each	54
260	BMW-F.49	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 32 mm NB Size	Each	1024
261	BMW-F.50	b) - do - labour charges only	Each	54
262	BMW-F.51	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 40 mm NB Size	Each	1236
263	BMW-F.52	b) - do - labour charges only	Each	54
264	BMW-F.53	a) Supplying & fixing Gunmetal (GM) Vertical Check (Non return) Valve as per IS-778 I-class heavy duty - 50 mm NB Size	Each	1955
265	BMW-F.54	b) - do - labour charges only	Each	54
266	BMW-F.55	a)S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 15 mm NB Size	Each	411
267	BMW-F.56	b) - do - labour charges only	Each	54
268	BMW-F.57	a)S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 20 mm NB Size	Each	534
269	BMW-F.58	b) - do - labour charges only	Each	54
270	BMW-F.59	a)S & F Gunmetal (GM) Ball valve with SS Ball and SS	Each	780

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		Spindle as per IS - Class - I, Indian make heavy type - 25 mm NB Size		
271	BMW-F.60	b) - do - labour charges only	Each	54
272	BMW-F.61	a)S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 32 mm NB Size	Each	1409
273	BMW-F.62	b) - do - labour charges only	Each	54
274	BMW-F.63	a)S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 40 mm NB Size	Each	2111
275	BMW-F.64	b) - do - labour charges only	Each	54
276	BMW-F.65	a)S & F Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class - I, Indian make heavy type - 50 mm NB Size	Each	3674
277	BMW-F.66	b) - do - labour charges only	Each	54
278	BMW-F.67	a) S& F 15 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	162
279	BMW-F.68	b) - do - labour charges only	1 RM	41
280	BMW-F.69	a) S& F 20 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	185
281	BMW-F.70	b) - do - labour charges only	1 RM	41
282	BMW-F.71	a) S& F 25 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	241
283	BMW-F.72	b) - do - labour charges only	1 RM	41
284	BMW-F.73	a) S& F 32 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	335
285	BMW-F.74	b) - do - labour charges only	1 RM	41
286	BMW-F.75	a) S& F 40 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	376
287	BMW-F.76	b) - do - labour charges only	1 RM	44
288	BMW-F.77	a) S& F 50 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	412
289	BMW-F.78	b) - do - labour charges only	1 RM	67
290	BMW-F.79	a) S& F 15 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	179
291	BMW-F.80	b) - do - labour charges only	1 RM	41
292	BMW-F.81	a) S& F 20 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	198
293	BMW-F.82	b) - do - labour charges only	1 RM	41
294	BMW-F.83	a) S& F 25 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239ISI mark with GI fittings including the cost of pipe & its fittings & labour charges	1 RM	258

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		complete		
295	BMW-F.84	b) - do - labour charges only	1 RM	41
296	BMW-F.85	a) S& F 32 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	359
297	BMW-F.86	b) - do - labour charges only	1 RM	41
298	BMW-F.87	a) S& F 40 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	401
299	BMW-F.88	b) - do - labour charges only	1 RM	44
300	BMW-F.89	a) S& F 50 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	1 RM	436
301	BMW-F.90	b) - do - labour charges only	1 RM	67
302	BMW-F.91	S & F 65 mm Nominal Bore GI pipe Medium Grade properties & weight as per IS 1239 with GI fittings such as elbows tees couplings, nipples, plugs including excavation for trenches and refilling the trenches complete except for GI bends union and GI connectors with checkout and socket Tata or Zenith make or equivalent.	1 RM	755
303	BMW-F.92	a)S & F 12.7 mm holder bat clamps	Each	12
304	BMW-F.93	b) - do - labour charges only	Each	8
305	BMW-F.94	a)S & F 19.05 mm holder bat clamps	Each	19
306	BMW-F.95	b) - do - labour charges only	Each	8
307	BMW-F.96	a)S & F 25.4 mm holder bat clamps	Each	25
308	BMW-F.97	b) - do - labour charges only	Each	8
309	BMW-F.98	a)S & F 38.1 mm holder bat clamps	Each	28
310	BMW-F.99	b) - do - labour charges only	Each	9
311	BMW-F.100	a) S& F 12.7x 152.0 mm NP shower rose heavy	Each	161
312	BMW-F.101	b) - do - labour charges only	Each	20
313	BMW-F.102	a) S& F 12.7x 137.0 mm NP shower rose heavy	Each	155
314	BMW-F.103	b) - do - labour charges only	Each	22
315	BMW-F.104	a) S& F 12.7x 101.6 mm NP shower rose heavy	Each	147
316	BMW-F.105	b) - do - labour charges only	Each	22
317	BMW-F.106	a) S & F 12.7 x 88.9 CP fancy shower	Each	260
318	BMW-F.107	b) - do - labour charges only	Each	22
319	BMW-F.108	a) Supplying & fixing 12.7 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	43
320	BMW-F.109	b) - do - labour charges only	Each	22
321	BMW-F.110	a) Supplying & fixing 19.05 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	61
322	BMW-F.111	b) - do - labour charges only	Each	21
323	BMW-F.112	a) Supplying & fixing 25.4 mm GI drain pipe with plug for tanks (Mud valve) including making a hole	Each	72
324	BMW-F.113	b) - do - labour charges only	Each	24
325	BMW-F.114	a) Taking branch water connection from the existing 25.4 mm GI pipe including cutting threading, etc, complete with fitting	Each	138

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
326	BMW-F.115	b) - do - labour charges only	Each	41
327	BMW-F.116	a) Taking branch water connection from the existing 19.05 mm GPIPE including cutting threading, etc, complete with fitting,	Each	80
328	BMW-F.117	b) - do - labour charges only	Each	36
329	BMW-F.118	a) Taking branch water connection from the existing 12.7 mm GPIPE including cutting threading, etc, complete with fitting,	Each	61
330	BMW-F.119	b) - do - labour charges only	Each	31
331	BMW-F.120	Supplying & fixing leather washers for 12.7 mm bib tap and stop cock	Each	1
332	BMW-F.121	Supplying & fixing leather washers for 19.05 mm bib tap and stop cock	Each	3
333	BMW-F.122	Supplying & Fixing 12.7 mm fibre washers	Each	3
334	BMW-F.123	Supplying & Fixing 19.05 mm fibre washers	Each	3
	G	PVC PIPES & FITTINGS(Materials shall be procured from the list of approved Brands/ Manufacturers/ Suppliers)		
335	BMW-G.01	a) Providing & Placing on Terrace(at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for tanks	1 Lit	5
336	BMW-G.02	b) - do - labour charges only	1 Lit	1
337	BMW-G.03	Supply of Plastic storage tank lid with hinges	Each	64
338	BMW-G.04	Supply & Fixing 76.2 mm dia PVC elbow 1st quality	Each	41
339	BMW-G.05	Supply & fixing 31.75mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality	Each	22
340	BMW-G.06	Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet	Each	77
341	BMW-G.07	Supply & fixing Fancy PVC shelf including all fittings	Each	183
342	BMW-G.08	Supply & fixing of PVC low level systemwith internal components & short bend:10 Litres capacity Single Flush	Each	1254
343	BMW-G.09	Supply & fixing of PVC low level systemwith internal components & short bend:10 litres capacity Dual Flush	Each	1472
344	BMW-G.10	Supply & fixing of PVC low level systemwith internal components & short bend:8 Litres capacity single Flush	Each	709
345	BMW-G.11	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	216
346	BMW-G.12	90 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	343
347	BMW-G.13	110 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	410
348	BMW-G.14	75 mm dia 3 MDouble Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	244
349	BMW-G.15	90 mm dia 3 MDouble Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	389
350	BMW-G.16	110 mm dia 3 MDouble Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	476
351	BMW-G.17	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	152
352	BMW-G.18	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	234
353	BMW-G.19	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	291
354	BMW-G.20	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	162
355	BMW-G.21	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	249

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
356	BMW-G.22	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	301
357	BMW-G.23	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	112
358	BMW-G.24	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	171
359	BMW-G.25	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	206
360	BMW-G.26	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	94
361	BMW-G.27	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	138
362	BMW-G.28	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	178
363	BMW-G.29	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	57
364	BMW-G.30	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	95
365	BMW-G.31	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	119
366	BMW-G.32	160 MM dia 3 M Double Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	976
367	BMW-G.33	75 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	366
368	BMW-G.34	90 mm dia 3 M single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	589
369	BMW-G.35	110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	701
370	BMW-G.36	75 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	400
371	BMW-G.37	90 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	635
372	BMW-G.38	110 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	774
373	BMW-G.39	75 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	240
374	BMW-G.40	90 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	373
375	BMW-G.41	110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	444
376	BMW-G.42	75 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	257
377	BMW-G.43	90 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	389
378	BMW-G.44	110 mm dia 1828.8 mm (6'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	480
379	BMW-G.45	75 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	174
380	BMW-G.46	90 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	269
381	BMW-G.47	110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	328
382	BMW-G.48	75 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	150
383	BMW-G.49	90 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	220
384	BMW-G.50	110 mm dia 914.4mm (3'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	266

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
385	BMW-G.51	75 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	97
386	BMW-G.52	90 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	151
387	BMW-G.53	110 mm dia 609.6mm (2'-0") Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	192
388	BMW-G.54	160 mm dia 3 M Double Socket PVC/SWR pipe - 6 Kg/sq.cm	Each	1596
389	BMW-G.55	75 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	42
390	BMW-G.56	90 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	59
391	BMW-G.57	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	70
392	BMW-G.58	75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	57
393	BMW-G.59	90 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	80
394	BMW-G.60	110 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	91
395	BMW-G.61	75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings	Each	33
396	BMW-G.62	90 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings	Each	46
397	BMW-G.63	110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings	Each	59
398	BMW-G.64	75 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings	Each	57
399	BMW-G.65	90 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings	Each	83
400	BMW-G.66	110 mm dia - Cleaning Pipe - UPVC/SWR Pipe fittings	Each	100
401	BMW-G.67	75 mm dia - Single Tee - UPVC/SWR Pipe fittings	Each	50
402	BMW-G.68	90 mm dia - Single Tee - UPVC/SWR Pipe fittings	Each	75
403	BMW-G.69	110 mm dia - Single Tee - UPVC/SWR Pipe fittings	Each	91
404	BMW-G.70	75 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings	Each	62
405	BMW-G.71	90 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings	Each	91
406	BMW-G.72	110 mm dia - Single Tee with Door - UPVC/SWR Pipe fittings	Each	110
407	BMW-G.73	75 mm dia - Double Tee - UPVC/SWR Pipe fittings	Each	96
408	BMW-G.74	90 mm dia - Double Tee - UPVC/SWR Pipe fittings	Each	155
409	BMW-G.75	110 mm dia - Double Tee - UPVC/SWR Pipe fittings	Each	183
410	BMW-G.76	75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	Each	128
411	BMW-G.77	90 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	Each	242
412	BMW-G.78	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	Each	237
413	BMW-G.79	75 mm dia - Single 'Y' - UPVC/SWR Pipe fittings	Each	63
414	BMW-G.80	90 mm dia - Single 'Y' - UPVC/SWR Pipe fittings	Each	100
415	BMW-G.81	110 mm dia - Single 'Y' - UPVC/SWR Pipe fittings	Each	115
416	BMW-G.82	75 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings	Each	80
417	BMW-G.83	90 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings	Each	126
418	BMW-G.84	110 mm dia - Single 'Y' with Door - UPVC/SWR Pipe fittings	Each	145
419	BMW-G.85	75 mm dia - Double 'Y' - UPVC/SWR Pipe fittings	Each	86
420	BMW-G.86	90 mm dia - Double 'Y' - UPVC/SWR Pipe fittings	Each	134
421	BMW-G.87	110 mm dia - Double 'Y' - UPVC/SWR Pipe fittings	Each	152
422	BMW-G.88	75 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings	Each	112
423	BMW-G.89	90 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings	Each	174

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
424	BMW-G.90	110 mm dia - Double 'Y' with Door - UPVC/SWR Pipe fittings	Each	196
425	BMW-G.91	75 mm dia - Coupler - UPVC/SWR Pipe fittings	Each	30
426	BMW-G.92	90 mm dia - Coupler - UPVC/SWR Pipe fittings	Each	43
427	BMW-G.93	110 mm dia - Coupler - UPVC/SWR Pipe fittings	Each	48
428	BMW-G.94	90 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings	Each	50
429	BMW-G.95	110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings	Each	48
430	BMW-G.96	90 x 110mm dia - Reducer - UPVC/SWR Pipe fittings	Each	67
431	BMW-G.97	63 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	8
432	BMW-G.98	75 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	12
433	BMW-G.99	90 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	14
434	BMW-G.100	110 mm dia - Vent Cowl - UPVC/SWR Pipe fittings	Each	16
435	BMW-G.101	40 mm dia - Pipe Clip - UPVC/SWR Pipe fittings - Pipe Clip - UPVC/SWR Pipe fittings	Each	9
436	BMW-G.102	50 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	12
437	BMW-G.103	63 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	12
438	BMW-G.104	75 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	13
439	BMW-G.105	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	14
440	BMW-G.106	110 mm - Pipe Clip - UPVC/SWR Pipe fittings	Each	15
441	BMW-G.107	160 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	Each	30
442	BMW-G.108	P' Trap (Small without Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	159
443	BMW-G.109	P' Trap (Small with Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	176
444	BMW-G.110	P' Trap (Big with Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	201
445	BMW-G.111	P' Trap (Big without Air vent) 110 mm - UPVC/SWR Pipe fittings	Each	185
446	BMW-G.112	Floor Trap (Bell Mouth) 110 mm - UPVC/SWR Pipe fittings	Each	192
447	BMW-G.113	Bell Mouth Trap 7 " (177.8 mm) - UPVC/SWR Pipe fittings	Each	279
448	BMW-G.114	4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings	Each	83
449	BMW-G.115	3" (76.2 mm) Nahany Trap (without Jali without inlet)UPVC/SWR Pipe fittings	Each	74
450	BMW-G.116	4" (101.6 mm) Nahany Trap (without inlet with out Jali)UPVC/SWR Pipe fittings	Each	83
451	BMW-G.117	Mini Trap - UPVC/SWR Pipe fittings	Each	45
452	BMW-G.118	3" (76.2 mm) Nahany Trap with Jali - UPVC/SWR Pipe fittings	Each	86
453	BMW-G.119	4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings	Each	122
454	BMW-G.120	4" (101.6) multi floor trap with out Jalli- UPVC/SWR Pipe fittings	Each	95
455	BMW-G.121	Round Jali - UPVC/SWR Pipe fittings	Each	20
456	BMW-G.122	Square tile & Jalli - UPVC/SWR Pipe fittings	Each	33
457	BMW-G.123	Pipe connector(with LIP ring) - UPVC/SWR Pipe fittings	Each	122
458	BMW-G.124	Pipe connector(with out LIP ring) - UPVC/SWR Pipe fittings	Each	99
459	BMW-G.125	4" (101.6 mm) Floor Trap - UPVC/SWR Pipe fittings	Each	117
460	BMW-G.126	5" (127.mm) floor Trap - UPVC/SWR Pipe fittings	Each	124
461	BMW-G.127	75 mm dia - Door cap - UPVC/SWR Pipe fittings	Each	31

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
462	BMW-G.128	90 mm dia - Door cap - UPVC/SWR Pipe fittings	Each	54
463	BMW-G.129	110 mm dia - Door cap - UPVC/SWR Pipe fittings	Each	45
464	BMW-G.130	75 mm dia - Socket plug - UPVC/SWR Pipe fittings	Each	30
465	BMW-G.131	90 mm dia - Socket plug - UPVC/SWR Pipe fittings	Each	52
466	BMW-G.132	110 mm dia - Socket plug - UPVC/SWR Pipe fittings	Each	54
467	BMW-G.133	75 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings	Each	7
468	BMW-G.134	90 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings	Each	8
469	BMW-G.135	110 mm dia - Rubber ring for Socket - UPVC/SWR Pipe fittings	Each	9
470	BMW-G.136	75 mm dia - Door Socket - UPVC/SWR Pipe fittings	Each	8
471	BMW-G.137	90 mm dia - Door Socket - UPVC/SWR Pipe fittings	Each	9
472	BMW-G.138	110 mm dia - Door Socket - UPVC/SWR Pipe fittings	Each	12
473	BMW-G.139	LIP ring 110 mm - UPVC/SWR Pipe fittings	Each	58
474	BMW-G.140	Rubber Lubricant - 100 Grams	Each	22
475	BMW-G.141	Rubber Lubricant- 250Grams	Each	43
476	BMW-G.142	Rubber Lubricant - 500 Grams	Each	78
477	BMW-G.143	Rubber Lubricant - 1000 Grams	Each	185
478	BMW-G.144	P' Trap with lip UPVC/SWR Pipe fittings	Each	252
479	BMW-G.145	50 ml - Solvent Cement	Each	13
480	BMW-G.146	100 ml - Solvent Cement	Each	21
481	BMW-G.147	250 ml - Solvent Cement	Each	50
482	BMW-G.148	500 ml - Solvent Cement	Each	98
483	BMW-G.149	1000 ml - Solvent Cement	Each	192
484	BMW-G.150	110mm x 90 mm - Internal Reducer - UPVC/SWR Pipe fittings	Each	76
485	BMW-G.151	160 mm x 110 mm - Internal Reducer - UPVC/SWR Pipe fittings	Each	190
486	BMW-G.152	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with solvent jointing as per standard practice	1 RM	70
	H	CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 - 1984		
487	BMW-H.01	75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	1270
488	BMW-H.02	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	1691
489	BMW-H.03	150 mm dia CI (spun) soils Waste & Ventilating pipe (3 M)	Each	3099
490	BMW-H.04	75 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1410
491	BMW-H.05	100 mm dia CI (spun) soils Waste & Ventilating pipe (3 M) Double socket	Each	1902
492	BMW-H.06	75 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1142
493	BMW-H.07	100 mm dia 9'-0" (2743.2 mm) CI (Spun) pipes	Each	1526
494	BMW-H.08	75 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	1022
495	BMW-H.09	100 mm dia 8'-0" (2438.4 mm) CI (Spun) pipes	Each	1358
496	BMW-H.10	75 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	831
497	BMW-H.11	100 mm dia 6'-0" (1828.8 mm) CI (Spun) pipes	Each	1084
498	BMW-H.12	75 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	874
499	BMW-H.13	100 mm dia 6'-0" (1828.8 mm) Double Socket CI (Spun) pipes	Each	1084

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
500	BMW-H.14	75 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	303
501	BMW-H.15	100 mm dia Cut pipes (pieces) 1 foot (304.8 mm) CI (Spun) fittings	Each	348
502	BMW-H.16	75 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	434
503	BMW-H.17	100 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	499
504	BMW-H.18	150 mm dia Cut pipes (pieces) 1'.6" (457.2 mm) CI (Spun) fittings	Each	952
505	BMW-H.19	75 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	599
506	BMW-H.20	100 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	661
507	BMW-H.21	150 mm dia Cut pipes (pieces) 2 feet (609.6 mm) CI (Spun) fittings	Each	1193
508	BMW-H.22	75 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings	Each	918
509	BMW-H.23	100 mm dia Cut pipes (pieces) 3 feet (914.4 mm) CI (Spun) fittings	Each	1239
510	BMW-H.24	75 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings	Each	1010
511	BMW-H.25	100 mm dia Cut pipes (pieces) 4 feet (1219.2 mm) CI (Spun) fittings	Each	1511
512	BMW-H.26	75 mm dia Plain Bend - CI (Spun) fittings	Each	312
513	BMW-H.27	100 mm dia Plain Bend - CI (Spun) fittings	Each	367
514	BMW-H.28	150 mm dia Plain Bend - CI (Spun) fittings	Each	874
515	BMW-H.29	75 mm dia Door Bend - CI (Spun) fittings	Each	323
516	BMW-H.30	100 mm dia Door Bend - CI (Spun) fittings	Each	418
517	BMW-H.31	150 mm dia Door Bend - CI (Spun) fittings	Each	957
518	BMW-H.32	75 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	312
519	BMW-H.33	100 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	367
520	BMW-H.34	150 mm dia Plain Bend 45 Degrees - CI (Spun) fittings	Each	874
521	BMW-H.35	75 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	323
522	BMW-H.36	100 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	418
523	BMW-H.37	150 mm dia Door Bend 45 Degrees - CI (Spun) fittings	Each	957
524	BMW-H.38	Horn Bend Plain 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	635
525	BMW-H.39	Horn Bend door 101.6 x 50.8 mm (4" x 2") 100 mm dia - CI (Spun) fittings	Each	741
526	BMW-H.40	75 mm dia Heel Rest Bend - CI (Spun) fittings	Each	332
527	BMW-H.41	100 mm dia Heel Rest Bend - CI (Spun) fittings	Each	424
528	BMW-H.42	150 mm dia Heel Rest Bend - CI (Spun) fittings	Each	902
529	BMW-H.43	75 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	418
530	BMW-H.44	100 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	564
531	BMW-H.45	150 mm dia Single Branch Plain "T" - CI (Spun) fittings	Each	1164
532	BMW-H.46	75 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	493
533	BMW-H.47	100 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	654
534	BMW-H.48	150 mm dia Single Branch Door "T" - CI (Spun) fittings	Each	1229

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
535	BMW-H.49	75 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	493
536	BMW-H.50	100 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	654
537	BMW-H.51	150 mm dia Single Branch plain "Y" - CI (Spun) fittings	Each	1443
538	BMW-H.52	75 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	540
539	BMW-H.53	100 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	722
540	BMW-H.54	150 mm dia Single Branch Door "Y" - CI (Spun) fittings	Each	1554
541	BMW-H.55	75 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	571
542	BMW-H.56	100 mm dia Double Branch Plain "T" - CI (Spun) fittings	Each	769
543	BMW-H.57	75 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	637
544	BMW-H.58	100 mm dia Double Branch Door "T" - CI (Spun) fittings	Each	802
545	BMW-H.59	75 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	637
546	BMW-H.60	100 mm dia Double Branch Plain "Y" - CI (Spun) fittings	Each	802
547	BMW-H.61	75 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	671
548	BMW-H.62	100 mm dia Double Branch Door "Y" - CI (Spun) fittings	Each	870
549	BMW-H.63	75 mm dia Shoe Bend - CI (Spun) fittings	Each	394
550	BMW-H.64	100 mm dia Shoe Bend - CI (Spun) fittings	Each	461
551	BMW-H.65	150 mm dia Shoe Bend - CI (Spun) fittings	Each	935
552	BMW-H.66	75 mm dia Collar - CI (Spun) fittings	Each	269
553	BMW-H.67	100 mm dia Collar - CI (Spun) fittings	Each	327
554	BMW-H.68	150 mm dia Collar - CI (Spun) fittings	Each	671
555	BMW-H.69	75 mm dia Cowl - CI (Spun) fittings	Each	238
556	BMW-H.70	100 mm dia Cowl - CI (Spun) fittings	Each	269
557	BMW-H.71	150 mm dia Cowl - CI (Spun) fittings	Each	604
558	BMW-H.72	75 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	345
559	BMW-H.73	100 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	418
560	BMW-H.74	150 mm dia Offset 3" (76.2 mm) projection - CI (Spun) fittings	Each	844
561	BMW-H.75	75 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	377
562	BMW-H.76	100 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	493
563	BMW-H.77	150 mm dia Offset 6" (152.4mm) projection - CI (Spun) fittings	Each	983
564	BMW-H.78	75 mm dia Long Door Bend - CI (Spun) fittings	Each	792
565	BMW-H.79	100 mm dia Long Door Bend - CI (Spun) fittings	Each	852
566	BMW-H.80	75 mm dia Hand Hole pipe (Inspection pipe)	Each	455
567	BMW-H.81	100 mm dia Hand Hole pipe (Inspection pipe)	Each	620
568	BMW-H.82	150 mm dia Hand Hole pipe (Inspection pipe)	Each	825
569	BMW-H.83	75 mm dia P Traps - CI (Spun) fittings	Each	493
570	BMW-H.84	100 mm dia P Traps - CI (Spun) fittings	Each	676
571	BMW-H.85	4" x 3" (101.6 mm x 76.2mm) P. Traps 100 mm dia - CI (Spun) fittings	Each	775
572	BMW-H.86	4" x 3" (101.6 mm x 76.2mm) Vent Traps 100 mm dia - CI (Spun) fittings	Each	775
573	BMW-H.87	4" x 3" (101.6 mm x 76.2mm) Reducer 75 mm dia - CI (Spun) fittings	Each	481
574	BMW-H.88	6" x 4" (152.4 mm x 101.6 mm) Reducer 75 mm dia - CI (Spun) fittings	Each	659
575	BMW-H.89	3" x 2" (76.2 mm x 50.8 mm) plain T 75 mm dia - CI (Spun)	Each	411

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		fittings		
576	BMW-H.90	3" x 2" (76.2 mm x 50.8 mm) Door T 75 mm dia - CI (Spun) fittings	Each	642
577	BMW-H.91	3" x 2" (76.2 mm x 50.8 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	642
578	BMW-H.92	3" x 2" (76.2 mm x 50.8 mm) Door Y 75 mm dia - CI (Spun) fittings	Each	642
579	BMW-H.93	4" x 3" (101.6 mm x 76.2mm) Plain T75 mm dia - CI (Spun) fittings	Each	642
580	BMW-H.94	4" x 3" (101.6 mm x 76.2mm) Door T75 mm dia - CI (Spun) fittings	Each	680
581	BMW-H.95	4" x 3" (101.6 mm x 76.2mm) Plain Y75 mm dia - CI (Spun) fittings	Each	680
582	BMW-H.96	4" x 3" (101.6 mm x 76.2mm) DoorY75 mm dia - CI (Spun) fittings	Each	726
583	BMW-H.97	6" x 4" (152.4 mm x101.6 mm) Plain T 75 mm dia - CI (Spun) fittings	Each	950
584	BMW-H.98	6" x 4" (152.4 mm x101.6 mm)Door T 75 mm dia - CI (Spun) fittings	Each	1029
585	BMW-H.99	6" x 4" (152.4 mm x101.6 mm) Plain Y 75 mm dia - CI (Spun) fittings	Each	1089
586	BMW-H.100	6" x 4" (152.4 mm x101.6 mm)DoorY 75 mm dia - CI (Spun) fittings	Each	1331
587	BMW-H.101	75 mm diaPlain " T" 27 " (685.8 mm) Special Types of Long Fittings	Each	1379
588	BMW-H.102	100 mm dia - Plain " T" 27 " (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1937
589	BMW-H.103	75 mm dia Door "T" 27" (685.8 mm)Special Types of Long CI (Spun) fittings	Each	1540
590	BMW-H.104	100mm dia Door "T" 27" (685.8 mm)Special Types of Long CI (Spun) fittings	Each	2128
591	BMW-H.105	75 mm diaPlain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	1540
592	BMW-H.106	100mm diaPlain " Y" 27" (685.8 mm) Special Types of Long CI (Spun) fittings	Each	2128
593	BMW-H.107	75 mm dia Door " Y" 27" (685.8 mm)Special Types of Long CI (Spun) fittings	Each	1717
594	BMW-H.108	100mm dia Door " Y" 27" (685.8 mm)Special Types of Long CI (Spun) fittings	Each	2337
	I	MISCELLANEOUS ITEMS		
595	BMW-I.01	a) Supplying & Fixing solder joints up to 50.8 mm dia	Each	56
596	BMW-I.02	b) - do - labour charges only	Each	19
597	BMW-I.03	a) Supplying & Fixing solution joints up to 50.8 dia 1st quality.	Each	11
598	BMW-I.04	b) - do - labour charges only	Each	2
599	BMW-I.05	Chiselling the stone masonry wall for fixing of wooden blocks including finishing as directed by the department	Each	30
600	BMW-I.06	Chiselling the stone masonry wall and repairs as directed by the department.	1 Rm	143
601	BMW-I.07	Chiselling the brick masonry wall and repairs as directed by the department.	1 Rm	30
602	BMW-I.08	a) S & F NP telephonic shower spray set & valve mixer with	Each	1896

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		rest and all fittings complete (ARK/ESSCO or equivalent make)		
603	BMW-I.09	b) - do - labour charges only	Each	401
604	BMW-I.10	a) S & F NP shower spray fancy with NP Flexible pipe	Each	508
605	BMW-I.11	b) - do - labour charges only	Each	133
606	BMW-I.12	a) S & F NP cover for Nahany trap	Each	29
607	BMW-I.13	b) - do - labour charges only	Each	19
608	BMW-I.14	a) Painting the flushing tank with white enamel paint	Each	105
609	BMW-I.15	b) - do - labour charges only	Each	64
610	BMW-I.16	S & F internal fittings for flush tank Parryplast wonder flush or equivalent	Each	694
611	BMW-I.17	Repairing and over hauling flushing tank	Each	80
612	BMW-I.18	a) Supplying & Fixing NP chain rubber and plug for basin	Each	37
613	BMW-I.19	b) - do - labour charges only	Each	7
614	BMW-I.20	a) S & F 25.4 mm dia& 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws	Each	146
615	BMW-I.21	b) - do - labour charges only	Each	44
616	BMW-I.22	a) S & F 19.04 mm dia& 609.6 mm long aluminium anodized towel rod with brackets and aluminium screws	Each	130
617	BMW-I.23	b) - do - labour charges only	Each	67
618	BMW-I.24	a) S & F 609.6 mm long 127 mm wide plate glass shelf with superior quality aluminium railing complete with aluminium screws	Each	186
619	BMW-I.25	b) - do - labour charges only	Each	56
620	BMW-I.26	a) S & F 609.6 mm long 127 mm wide plate glass shelf only	Each	60
621	BMW-I.27	b) - do - labour charges only	Each	11
622	BMW-I.28	a) S & F NP soap dish heavy type with NP SCREWS	Each	208
623	BMW-I.29	b) - do - labour charges only	Each	12
624	BMW-I.30	a) S & F NP holder brackets with screws	Each	43
625	BMW-I.31	b) - do - labour charges only	Each	14
626	BMW-I.32	a) S & F liquid soap container NP metallic with NP brackets and screws.	Each	209
627	BMW-I.33	b) - do - labour charges only	Each	22
628	BMW-I.34	a) S & F 31.75 mm C.P TRAPS	Each	273
629	BMW-I.35	b) - do - labour charges only	Each	44
630	BMW-I.36	a) Supplying & fixing 88.9 mm A.C cowls	Each	62
631	BMW-I.37	b) - do - labour charges only	Each	14
632	BMW-I.38	a)Supplying & fixing A.CCowl 63.5 mm dia	Each	42
633	BMW-I.39	b) - do - labour charges only	Each	11
634	BMW-I.40	Removing and refixing W.C s	Each	193
635	BMW-I.41	Removing and refixing wash hand basins of any size with fittings complete	Each	186
636	BMW-I.42	a)S & F 76.2 x 101.6 mm teak wood block complete	Each	23
637	BMW-I.43	b) - do - labour charges only	Each	9
638	BMW-I.44	Cutting holes in C.C; basement & repairs Labour charges only	Each	107
639	BMW-I.45	Cutting holes in stone masonry& basement and repairs Labour charges only	Each	72
640	BMW-I.46	Cutting holes in Brick masonry& repairs Labour charges only	Each	47

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
641	BMW-I.47	Cutting holes in RCC slab floor & repairs Labour charges only	Each	72
642	BMW-I.48	a) Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated	Each	86
643	BMW-I.49	b) - do - labour charges only	Each	17
644	BMW-I.50	a) S & F 12.7 mm .M.P couplings	Each	31
645	BMW-I.51	b) - do - labour charges only	Each	11
646	BMW-I.52	a) S & F 19.05 mm M.P couplings	Each	37
647	BMW-I.53	b) - do - labour charges only	Each	11
648	BMW-I.54	a) S& F MP coupling 25.4 mm dia	Each	82
		b) - do - labour charges only	Each	11
649	BMW-I.55	a) S & FPVC Rubber adopter for LLC and bend	Each	17
650	BMW-I.56	b) - do - labour charges only	Each	8
651	BMW-I.57	a) S& F 31.75 mm Brass union nuts	Each	31
652	BMW-I.58	b) - do - labour charges only	Each	7
653	BMW-I.59	a) S& F 38.1 mm Brass union nuts	Each	33
654	BMW-I.60	b) - do - labour charges only	Each	9
655	BMW-I.61	a) Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m size CI frame and hinged cover.	Each	417
656	BMW-I.62	b) - do - labour charges only	Each	100
657	BMW-I.63	a) Constructing Brick masonry support for G.I pipe with C.M 304.8 x 228.6 x228.6 mm size including plastering and finishing etc. complete.	Each	68
658	BMW-I.64	b) - do - labour charges only	Each	22
659	BMW-I.65	a) Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully taps	Each	110
660	BMW-I.66	b) - do - labour charges only	Each	35
661	BMW-I.67	a) Supplying & fixing CI Nahany trap grating	Each	19
662	BMW-I.68	b) - do - labour charges only	Each	11
663	BMW-I.69	a) Supplying & fixing CI gully trap grating	Each	44
664	BMW-I.70	b) - do - labour charges only	Each	11
665	BMW-I.71	a) Supplying & fixing valves for brass ball cocks 25.4 mm dia	Each	17
666	BMW-I.72	b) - do - labour charges only	Each	9
667	BMW-I.73	a) Supplying & fixing 12.7 m valve for bib tap or stop cocks	Each	16
668	BMW-I.74	b) - do - labour charges only	Each	7
669	BMW-I.75	a) Supplying & fixing 19.05 m valve for bib tap or stop cocks	Each	35
670	BMW-I.76	b) - do - labour charges only	Each	11
671	BMW-I.77	Removing 12.7 mm Gpipe and refixing the same	Mr.	58
672	BMW-I.78	Removing 19.05 mm Gpipe and refixing the same	Mr.	63
673	BMW-I.79	Removing 25.4 mm Gpipe and refixing the same	Mr.	95
674	BMW-I.80	Removing 38.1 mm Gpipe and refixing the same	Rm	120
675	BMW-I.81	Removing 50.8 mm Gpipe and refixing the same	Rm	141
676	BMW-I.82	Cleaning the W.C with acid and Vim powder	Each	39
677	BMW-I.83	Cleaning the Urinal with acid and Vim power	Each	39
678	BMW-I.84	Cleaning the wash basin with acid and Vim powder	Each	39
679	BMW-I.85	Cleaning the E.W.C with acid and Vim power	Each	39
680	BMW-I.86	Supplying & fixing 914.4 x 457.2 mm CI man hole frame and	Each	1732

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		cover (light weight) 30 Kgs		
681	BMW-I.87	Supplying & fixing 602 x 602 mm CI man hole frame and cover (light weight) 30 Kgs	Each	2564
682	BMW-I.88	b) - do - labour charges only	Each	140
683	BMW-I.89	a) Supplying & fixing CI steps for septic tank.	Each	57
684	BMW-I.90	b) - do - labour charges only	Each	11
685	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	1121
686	BMW-I.92	b) - do - labour charges only	Each	140
687	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	2326
688	BMW-I.94	b) - do - labour charges only	Each	356
689	BMW-I.95	Cost. 50.8 mm thick RCM baffle wall with 2.267 Kg steel & rabbit wire mesh in CM 1:3 with fine rendering in neat cement labour charges Only	1Sqm	212
690	BMW-I.96	a) Cost. 50.8 mm RCC partition wall	1Sqm	238
691	BMW-I.97	b) - do - labour charges only	1 Sqm	44
692	BMW-I.98	a)S& F double layer of bamboo matting tarred on both sides.	10 Sqm	547
693	BMW-I.99	b) - do - labour charges only	10 Sqm	123
694	BMW-I.100	Removing of 101.6 m or 76.2 mm CI pipe	1 RM	30
695	BMW-I.101	a) Supplying & fixing 76.2 mm W.I clamps	Each	23
696	BMW-I.102	b) - do - labour charges only	Each	9
697	BMW-I.103	a) Supplying & fixing NP coat hook	Each	41
698	BMW-I.104	b) - do - labour charges only	Each	11
699	BMW-I.105	a) Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457.2 mm	Each	452
700	BMW-I.106	b) - do - labour charges only	Each	116
701	BMW-I.107	a) Supplying & fixing GI pipe plug of size 12.7 mm dia	Each	9
702	BMW-I.108	b) - do - labour charges only	Each	1
703	BMW-I.109	a) Supplying & fixing 19.06 mm dia GI plug	Each	12
704	BMW-I.110	b) - do - labour charges only	Each	1
705	BMW-I.111	a) Supplying and fixing 38.1 mm dia of GI plug	Each	62
706	BMW-I.112	b) - do - labour charges only	Each	9
707	BMW-I.113	a) Supplying & fixing 50.8 mm dia of GI PLUG	Each	95
708	BMW-I.114	b) - do - labour charges only	Each	11
709	BMW-I.115	a) Supplying & fixing 76.2 mm dia of GI PLUG	Each	172
710	BMW-I.116	b) - do - labour charges only	Each	19
711	BMW-I.117	a) Supplying & fixing C.P flange.	Each	23
712	BMW-I.118	b) - do - labour charges only	Each	8
713	BMW-I.119	a) Supplying & fixing stainless steel sink size 36" x 18" (914.4x457.2mm) 1 mm thick with accessories	Each	6471
714	BMW-I.120	b) - do - labour charges only	Each	506
715	BMW-I.121	a) Supplying & fixing SINGLE BOWL stainless steel sink size 24"x18"x8 "(609.6 x 457.2 x 203.2mm) 1 mm thick with accessories	Each	5100
716	BMW-I.122	b) - do - labour charges only	Each	491
717	BMW-I.123	a) Supplying & fixing stainless steel sink size 20" x18" x 8	Each	4637

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		"(508x457.2x203.2mm) 1 mm thick with accessories		
718	BMW-I.124	b) - do - labour charges only	Each	449
719	BMW-I.125	Supplying & fixing 4 " x 24 " (101.6x609.6mm) white glazed porcelain channel fixed in brick masonry white cement pointing.	Each	470
720	BMW-I.126	Supply & Fixing of steel surgical long elbow action handle 12.7 mm dia bib cock Indian make heavy type including all materials	Each	853
721	BMW-I.127	Supply & fixing 2 1/2" (63.5mm) dia Sluice valve ISI mark with 2 Nos. flanges, 8 nos, 3/4" dia nuts & bolts and all necessary washers and packing materials etc. complete	Each	4672
722	BMW-I.128	Supply & fixing porcelain P' trap	Each	201
723	BMW-I.129	Supplying & fixing oval shape basin white (520x410mm)parry or equivalent	Each	2138
724	BMW-I.130	Supply & fixing RCC cover 22" dia with nominal reinforcement 3 " thick and hooks for lifting	Each	633
725	BMW-I.131	Supply & fixing cp spl. Grating with frame and cover of 1st quality	Each	54
726	BMW-I.132	Supply & fixing towel rod (CP) of 24" long and 3/4 " dia	Each	341
727	BMW-I.133	Supply & fixing of LLC handle set 1stquality	Each	68
728	BMW-I.134	Mechanical Cleaning of water sumps with pumps & UV disinfecting	1000 Lit	47
729	BMW-I.135	Supply & fixing 4" dia CP thimble pipe: 150 mm long	Each	356
730	BMW-I.136	Supply & fixing 4" dia CP thimble pipe:220 mm long	Each	532
731	BMW-I.137	Supply & fixing 4" dia CP thimble pipe: 300 mm long	Each	710
732	BMW-I.138	Supply & fixing CP long bend	Each	301
733	BMW-I.139	Supply & fixing CP short bend	Each	151
734	BMW-I.140	Supplying & fixing 15 mm bib tap with flange Chromeum plated Jaquar make queen series	Each	1483
735	BMW-I.141	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook ofJaquar make queen series with 7 years warranty Chrome plated	Each	3758
736	BMW-I.142	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook ofJaquar make queen series with 7 years warranty: Ivory gold	Each	6319
737	BMW-I.143	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1557
738	BMW-I.144	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Ivory gold	Each	2658
739	BMW-I.145	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1537
740	BMW-I.146	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Ivory gold	Each	2976
741	BMW-I.147	Supply & fixing Waste coupling 32 mm size full thread with 80 mm heightJaquar make with 7 years warranty: Chrome plated	Each	345
742	BMW-I.148	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Chrome plated	Each	1469
743	BMW-I.149	Supply & fixing of Bottle trap Jaquar make with 7 years warranty: Ivory gold	Each	2484
744	BMW-I.150	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty: Chrome plated	Each	361

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
745	BMW-I.151	Supply & Fixing copper pipe 450 mm long with nuts & washers Jaquar make with 7 years warranty:Ivory gold	Each	699
746	BMW-I.152	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquarmake queen series with 7 years warranty:Chrome plated	Each	4748
747	BMW-I.153	Supply and fixing wall mirror with provision for over head shower and 115 mm long bend pipe with wall flange Jaquarmake queen series with 7 years warranty: Ivory gold	Each	7469
748	BMW-I.154	Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty:Chrome plated	Each	2203
749	BMW-I.155	Supply & fixing overhead shower rose with revolving joint and 150 mm long swivel shower arm Jaquar make queen series. with 7 years warranty: Ivory Gold	Each	3228
750	BMW-I.156	Supply and Fixing Wall Mixer with Telephonic shower arrangement with crutch and flexible pipe Jaquar series Ivory gold colour for bath tub. with 7 years warranty	Each	12584
751	BMW-I.157	Supply & fixing Bath tub overflow set complete with over flow cap, 450 mm Ball chain with rubber plug & union bend with brass nut Jaquar make, Ivory gold colour. with 7 years warranty	Each	1532
752	BMW-I.158	Supply & fixing sink cock with regular swinging spout with wall flange chromeplated Jaquar make Queen series with 7 years warranty	Each	2201
753	BMW-I.159	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty:Chrome plated	Each	1445
754	BMW-I.160	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Ivory Gold	Each	2120
755	BMW-I.161	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated	Each	1164
756	BMW-I.162	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Ivory Gold	Each	2049
757	BMW-I.163	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Chrome plated	Each	1094
758	BMW-I.164	Supply & Fixing of Towel ring Jaquar make Queen series with 7 years warranty: Ivory Gold	Each	1787
759	BMW-I.165	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty:Chrome plated	Each	814
760	BMW-I.166	Supply & Fixing of towel coat hook Jaquar make Queen series with 7 years warranty:Ivory Gold	Each	1684
761	BMW-I.167	Supply & Fixing of Towel rod 24 " Jaquar make Queen series Ivory gold colour with 7 years warranty	Each	2793
762	BMW-I.168	Supply & Fixing of Tumbler holder Jaquar make Queen series, Ivory gold colour with 7 years warranty	Each	1957
763	BMW-I.169	Supply & fixing of Glass shelf 22" Jaquar make Queen series, Ivory gold colour with 7 years warranty	Each	3817
764	BMW-I.170	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Continental series, Chrome Finish with 7 years warranty	Each	2769
765	BMW-I.171	Supply & Fixing of Bibcock Jaquar Continental series, Chrome Finish with 7 years warranty	Each	814
766	BMW-I.172	Supply & Fixing of Pillar cock Jaquar Continental series,	Each	1011

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		Chrome Finish with 7 years warranty		
767	BMW-I.173	Supply & Fixing of Angular stopcock with wall flange Jaquar Continental series, Chrome finish with 7 years warranty	Each	752
768	BMW-I.174	Supply fixing of Waste coupling Jaquar make, Chrome finish with 7 years warranty	Each	327
769	BMW-I.175	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Each	1469
770	BMW-I.176	Supply & Fixing of copper pipe 450mm long with nuts & washers Jaquar make, Chrome Finish with 7 years warranty	Each	327
771	BMW-I.177	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar make Continental series, Chrome finish with 7 years warranty	Each	3556
772	BMW-I.178	Supply & Fixing of Exclusive overhead shower with 190mm long light body shower arm Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1519
773	BMW-I.179	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Continental series Chrome colour for bath tub with 7 years warranty	Each	4965
774	BMW-I.180	Supply & Fixing bath tub over flow set complete with over flow cap,450mm ball chain with rubber plug 7 Union bend with brass nuts Jaquar make, Chrome colour with 7 years warranty	Each	1159
775	BMW-I.181	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Continental series with 7 years warranty	Each	1431
776	BMW-I.182	Supply & Fixing soap dish Jaquar make Continental series, Chrome Finish with 7 years warranty	Each	1127
777	BMW-I.183	Supply & Fixing of Toilet paper holder Jaquar make Continental series, Chrome finish with 7 years warranty	Each	752
778	BMW-I.184	Supply & Fixing of Towel Ring Jaquar make Continental series, Chrome finish with 7 years warranty	Each	865
779	BMW-I.185	Supply & Fixing Double coat hook Jaquar make Continental series, Chrome finish with 7 years warranty	Each	646
780	BMW-I.186	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1397
781	BMW-I.187	Supply & Fixing of Tumblerholder Jaquar make Continental series, Chrome finish with 7 years warranty	Each	942
782	BMW-I.188	Supply & Fixing of Glass shelf 22" Jaquar make Continental series, Chrome finish with 7 years warranty	Each	1852
783	BMW-I.189	Supply & Fixing of Bibcock cum Health Faucet with 1m long tube and wall hook of Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty	Each	3313
784	BMW-I.190	Supply & Fixing of Bibcock Jaquar Florentine (Quarter turn)series, Chrome Finish with 7 years warranty	Each	1117
785	BMW-I.191	Supply & Fixing of Pillar cock Jaquar Florentine(Quarter turn) series, Chrome Finish with 7 years warranty	Each	1117
786	BMW-I.192	Supply & Fixing of Angular stopcock with wall flange Jaquar Florentine(Quarter turn)series, Chrome finish with 7 years warranty	Each	1099
787	BMW-I.193	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Each	1469
788	BMW-I.194	Supply & Fixing of Wall Mixer with provision for overhead shower and 115mm long bend pipe with wall flange Jaquar	Each	4291

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		make Florentine(Quarter turn) series, Chrome finish with 7 years warranty		
789	BMW-I.195	Supply & Fixing wall mixer with telephonic shower arrangement with crutch and telephone shower with flexible tube Jaquar make Florentine(Quarter turn) series Chrome colour for bath tub with 7 years warranty	Each	6467
790	BMW-I.196	Supply & Fixing Sink cock with regular swinging spout with flange chrome plated Jaquar make Florentine(Quarter turn) series with 7 years warranty	Each	1714
791	BMW-I.197	Supply & Fixing of Rose shower with revolving ball joint & 115mm long shower arm with 7 years warranty	Each	1821
792	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	3189
793	BMW-I.199	Supply & Fixing of Jaquar make Sensotronic sensor faucet for wash basin, Chrome plated with 7 years warranty	Each	12525
794	BMW-I.200	Supply & fixing of Jaquar make Sensotronic concealed type flushing valve for urinal complete set with installation box with control cock, Chrome plated with 7 years warranty	Each	12525
795	BMW-I.201	Supply & fixing of Jaquar make Auto closing system pillar cock for wash basin, Chrome plated with 7 years warranty	Each	2075
796	BMW-I.202	Supply& Fixing of Jaquar make Auto Closing system Bibcock, Chrome plated with 7 years warranty	Each	2177
797	BMW-I.203	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc :16 mm OD pipe	1 RM	133
798	BMW-I.204	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc :20 mm OD pipe	1 RM	165
799	BMW-I.205	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc: 25mm OD pipe	1 RM	207
800	BMW-I.206	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc: 32 mm OD pipe	1 RM	278

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
801	BMW-I.207	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc: 40 mm OD pipe	1 RM	365
802	BMW-I.208	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete for external works including laying pipes, fixing in position, testing and commissioning etc : 50 mm OD pipe	1 RM	464
803	BMW-I.209	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc16 mm OD pipe	1 RM	192
804	BMW-I.210	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc20 mm OD pipe	1 RM	230
805	BMW-I.211	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc25mm OD pipe	1 RM	284
806	BMW-I.212	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc32 mm OD pipe	1 RM	375
807	BMW-I.213	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows,	1 RM	487

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc40 mm OD pipe		
808	BMW-I.214	S&F KITEC Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc50 mm OD pipe	1 RM	615
809	BMW-I.215	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc16 mm OD pipe	1 RM	157
810	BMW-I.216	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 20 mm OD pipe	1 RM	186
811	BMW-I.217	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 25mm OD pipe	1 RM	226
812	BMW-I.218	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning etc 32 mm OD pipe	1 RM	292
813	BMW-I.219	S&F Polyethylene-Aluminium-Polyethylene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete including excavating trenches up to 1.0 M deep laying pipes, fixing in position, testing, refilling excavated earth and commissioning	1 RM	374

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
		etc 40 mm OD pipe		
		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" to 2" Ashirvad Flowguard SDR 11 and SDR 13.5 pipes are made from identical CPVC compounds having the same physical Properties for Hot and Cold Water (IS 15778:2007)		
814	BMW-I.220	15.90mm ODPipe - SDR 13.5	1 RM	53
815	BMW-I.221	22.20mm ODPipe - SDR 13.5	1 RM	85
816	BMW-I.222	28.60mm ODPipe - SDR 13.5	1 RM	123
817	BMW-I.223	34.90mm ODPipe - SDR 13.5	1 RM	193
818	BMW-I.224	41.30mm ODPipe - SDR 13.5	1 RM	266
819	BMW-I.225	54mm ODPipe - SDR 13.5	1 RM	437
820	BMW-I.226	15.90mm ODPipe - SDR 11	1 RM	61
821	BMW-I.227	22.20mm ODPipe - SDR 11	1 RM	93
822	BMW-I.228	28.60mm ODPipe - SDR 11	1 RM	144
823	BMW-I.229	34.90mm ODPipe - SDR 11	1 RM	229
824	BMW-I.230	41.30mm ODPipe - SDR 11	1 RM	314
825	BMW-I.231	54mm ODPipe - SDR 11	1 RM	483
826	BMW-I.232	Supply of 20mm x 1.9mm PN 10/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	41
827	BMW-I.233	Supply of 25mm x 2.3mm PN 10/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	62
828	BMW-I.234	Supply of 32mm x 2.9mm PN 10/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	97
829	BMW-I.235	Supply of 40mm x 3.7mm PN 10/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	152
830	BMW-I.236	Supply of 50mm x 4.6mm PN 10/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801	1 RM	272
831	BMW-I.237	Supply of 63mm x 5.8mm PN 10/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801	1 RM	427
832	BMW-I.238	Supply of 75mm x 6.8mm PN 10/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801	1 RM	594
833	BMW-I.239	Supply of 90mm x 8.2mm PN 10/PPR Pipe conforming to DIN Standards 8077/8083 conforming to IS15801	1 RM	815
834	BMW-I.240	Supply of 110mm x 10mm PN 10/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801	1 RM	1208
835	BMW-I.241	Supply of 20mm x 2.8mm PN 16/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	56
836	BMW-I.242	Supply of 25mm x 3.5mm PN 16/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	86
837	BMW-I.243	Supply of 32mm x 4.4mm PN 16/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	138
838	BMW-I.244	Supply of 40mm x 5.5mm PN 16/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	212
839	BMW-I.245	Supply of 50mm x 6.9mm PN 16/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801	1 RM	380
840	BMW-I.246	Supply of 63mm x 8.6mm PN 16/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801	1 RM	599
841	BMW-I.247	Supply of 75mm x 10.3mm PN 16/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801	1 RM	846

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
842	BMW-I.248	Supply of 90mm x 12.3mm PN 16/PPR Pipe conforming to DIN Standards 8077/8083 conforming to IS15801	1 RM	1206
843	BMW-I.249	Supply of 110mm x 15.1mm PN 16/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801	1 RM	1807
844	BMW-I.250	Supply of 20mm x 3.4mm PN 20/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	65
845	BMW-I.251	Supply of 25mm x 4.2mm PN 20/PPR Pipe conforming to DIN Standards 8077/8078 conforming to IS15801	1 RM	100
846	BMW-I.252	Supply of 32mm x 5.4mm PN 20/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	161
847	BMW-I.253	Supply of 40mm x 6.7mm PN 20/PPR Pipe conforming to DIN Standards 8077/8079 conforming to IS15801	1 RM	247
848	BMW-I.254	Supply of 50mm x 8.3mm PN 20/PPR Pipe conforming to DIN Standards 8077/8080 conforming to IS15801	1 RM	439
849	BMW-I.255	Supply of 63mm x 10.5mm PN 20/PPR Pipe conforming to DIN Standards 8077/8081 conforming to IS15801	1 RM	693
850	BMW-I.256	Supply of 75mm x 12.5mm PN 20/PPR Pipe conforming to DIN Standards 8077/8082 conforming to IS15801	1 RM	984
851	BMW-I.257	Supply of 90mm x 15mm PN 20/PPR Pipe conforming to DIN Standards 8077/8083	1 RM	1337
852	BMW-I.258	Supply of 110mm x 18.3mm PN 20/PPR Pipe conforming to DIN Standards 8077/8084 conforming to IS15801	1 RM	2105
853	BMW-I.259	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084	1 RM	9
854	BMW-I.260	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085	1 RM	13
855	BMW-I.261	Supply of 32mm PPR Socket conforming to DIN Standards 8077/8086	1 RM	18
856	BMW-I.262	Supply of 40mm PPR Socket conforming to DIN Standards 8077/8087	1 RM	30
857	BMW-I.263	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088	1 RM	59
858	BMW-I.264	Supply of 63mm PPR Socket conforming to DIN Standards 8077/8089	1 RM	113
859	BMW-I.265	Supply of 75mm PPR Socket conforming to DIN Standards 8077/8090	1 RM	173
860	BMW-I.266	Supply of 90mm PPR Socket conforming to DIN Standards 8077/8091	1 RM	331
861	BMW-I.267	Supply of 110mm PPR Socket conforming to DIN Standards 8077/8092	1 RM	589
862	BMW-I.268	Supply of 32mm PPR Core Flange conforming to DIN Standards 8077/8086	Each	36
863	BMW-I.269	Supply of 40mm PPR Core Flange conforming to DIN Standards 8077/8087	Each	57
864	BMW-I.270	Supply of 50mm PPR Core Flange conforming to DIN Standards 8077/8088	Each	74
865	BMW-I.271	Supply of 63mm PPR Core Flange conforming to DIN Standards 8077/8089	Each	117
866	BMW-I.272	Supply of 75mm PPR Core Flange conforming to DIN Standards 8077/8090	Each	136
867	BMW-I.273	Supply of 90mm PPR Core Flange conforming to DIN Standards 8077/8091	Each	348

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
868	BMW-I.274	Supply of 110mm PPR Core Flange conforming to DIN Standards 8077/8092	Each	450
869	BMW-I.275	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084	Each	15
870	BMW-I.276	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085	Each	19
871	BMW-I.277	Supply of 32mm PPR Elbow conforming to DIN Standards 8077/8086	Each	36
872	BMW-I.278	Supply of 40mm PPR Elbow conforming to DIN Standards 8077/8087	Each	63
873	BMW-I.279	Supply of 50mm PPR Elbow conforming to DIN Standards 8077/8088	Each	119
874	BMW-I.280	Supply of 63mm PPR Elbow conforming to DIN Standards 8077/8089	Each	232
875	BMW-I.281	Supply of 75mm PPR Elbow conforming to DIN Standards 8077/8090	Each	375
876	BMW-I.282	Supply of 90mm PPR Elbow conforming to DIN Standards 8077/8091	Each	698
877	BMW-I.283	Supply of 110mm PPR Elbow conforming to DIN Standards 8077/8092	Each	1295
878	BMW-I.284	Supply of 20mm PPR Tee conforming to DIN Standards 8077/8084	Each	14
879	BMW-I.285	Supply of 25mm PPR Tee conforming to DIN Standards 8077/8085	Each	24
880	BMW-I.286	Supply of 32mm PPR Tee conforming to DIN Standards 8077/8086	Each	43
881	BMW-I.287	Supply of 40mm PPR Tee conforming to DIN Standards 8077/8087	Each	76
882	BMW-I.288	Supply of 50mm PPR Tee conforming to DIN Standards 8077/8088	Each	135
883	BMW-I.289	Supply of 63mm PPR Tee conforming to DIN Standards 8077/8089	Each	275
884	BMW-I.290	Supply of 75mm PPR Tee conforming to DIN Standards 8077/8090	Each	538
885	BMW-I.291	Supply of 90mm PPR Tee conforming to DIN Standards 8077/8091	Each	781
886	BMW-I.292	Supply of 110mm PPR Tee conforming to DIN Standards 8077/8092	Each	1353
887	BMW-I.293	Supply of 20mm PPR End Cap conforming to DIN Standards 8077/8084	Each	6
888	BMW-I.294	Supply of 25mm PPR End Cap conforming to DIN Standards 8077/8085	Each	9
889	BMW-I.295	Supply of 32mm PPR End Cap conforming to DIN Standards 8077/8086	Each	18
890	BMW-I.296	Supply of 40mm PPR End Cap conforming to DIN Standards 8077/8087	Each	30
891	BMW-I.297	Supply of 50mm PPR End Cap conforming to DIN Standards 8077/8088	Each	53
892	BMW-I.298	Supply of 63mm PPR End Cap conforming to DIN Standards 8077/8089	Each	113
893	BMW-I.299	Supply of 75mm PPR End Cap conforming to DIN Standards 8077/8090	Each	190

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
894	BMW-I.300	Supply of 90mm PPR End Cap conforming to DIN Standards 8077/8091	Each	303
895	BMW-I.301	Supply of 110mm PPR End Cap conforming to DIN Standards 8077/8092	Each	599
896	BMW-I.302	Supply of 25mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	11
897	BMW-I.303	Supply of 32mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	19
898	BMW-I.304	Supply of 32mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	18
899	BMW-I.305	Supply of 40mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	31
900	BMW-I.306	Supply of 40mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	30
901	BMW-I.307	Supply of 40mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	30
902	BMW-I.308	Supply of 50mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	46
903	BMW-I.309	Supply of 50mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	47
904	BMW-I.310	Supply of 50mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	47
905	BMW-I.311	Supply of 50mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	48
906	BMW-I.312	Supply of 63mm x 20mm PPR Reducer conforming to DIN Standards 8077/8092	Each	105
907	BMW-I.313	Supply of 63mm x 25mm PPR Reducer conforming to DIN Standards 8077/8092	Each	105
908	BMW-I.314	Supply of 63mm x 32mm PPR Reducer conforming to DIN Standards 8077/8092	Each	106
909	BMW-I.315	Supply of 63mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	107
910	BMW-I.316	Supply of 63mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	108
911	BMW-I.317	Supply of 75mm x 40mm PPR Reducer conforming to DIN Standards 8077/8092	Each	156
912	BMW-I.318	Supply of 75mm x 50mm PPR Reducer conforming to DIN Standards 8077/8092	Each	157
913	BMW-I.319	Supply of 75mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	199
914	BMW-I.320	Supply of 90mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	380
915	BMW-I.321	Supply of 90mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	403
916	BMW-I.322	Supply of 110mm x 63mm PPR Reducer conforming to DIN Standards 8077/8092	Each	508
917	BMW-I.323	Supply of 110mm x 75mm PPR Reducer conforming to DIN Standards 8077/8092	Each	591
918	BMW-I.324	Supply of 110mm x 90mm PPR Reducer conforming to DIN Standards 8077/8092	Each	637
919	BMW-I.325	Supply of 25mm x 20mm x 25mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	30

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
920	BMW-I.326	Supply of 32mm x 25mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	52
921	BMW-I.327	Supply of 32mm x 20mm x 32mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	52
922	BMW-I.328	Supply of 40mm x 20mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	86
923	BMW-I.329	Supply of 40mm x 25mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	87
924	BMW-I.330	Supply of 40mm x 32mm x 40mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	89
925	BMW-I.331	Supply of 50mm x 20mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	124
926	BMW-I.332	Supply of 50mm x 25mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	125
927	BMW-I.333	Supply of 50mm x 32mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	129
928	BMW-I.334	Supply of 50mm x 40mm x 50mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	130
929	BMW-I.335	Supply of 63mm x 20mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	358
930	BMW-I.336	Supply of 63mm x 25mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	360
931	BMW-I.337	Supply of 63mm x 32mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	365
932	BMW-I.338	Supply of 63mm x 40mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	371
933	BMW-I.339	Supply of 63mm x 50mm x 63mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	377
934	BMW-I.340	Supply of 75mm x 50mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	506
935	BMW-I.341	Supply of 75mm x 63mm x 75mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	514
936	BMW-I.342	Supply of 90mm x 50mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	681
937	BMW-I.343	Supply of 90mm x 63mm x 90mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	724
938	BMW-I.344	Supply of 110mm x 75mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1235
939	BMW-I.345	Supply of 110mm x 90mm x 110mm PPR Reducer Tee conforming to DIN Standards 8077/8092	Each	1284
940	BMW-I.346	Supply of 20mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	95
941	BMW-I.347	Supply of 25mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	97
942	BMW-I.348	Supply of 25mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	170
943	BMW-I.349	Supply of 32mm x ½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	174
944	BMW-I.350	Supply of 32mm x ¾" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	179
945	BMW-I.351	Supply of 32mm x 1" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	277

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
946	BMW-I.352	Supply of 40mm x 1¼" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	410
947	BMW-I.353	Supply of 50mm x 1½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	572
948	BMW-I.354	Supply of 63mm x 2" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	761
949	BMW-I.355	Supply of 75mm x 2½" PPR Female Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1467
950	BMW-I.356	Supply of 20mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	147
951	BMW-I.357	Supply of 25mm x ½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	152
952	BMW-I.358	Supply of 25mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	222
953	BMW-I.359	Supply of 32mm x ¾" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	232
954	BMW-I.360	Supply of 32mm x 1" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	431
955	BMW-I.361	Supply of 40mm x 1¼" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	505
956	BMW-I.362	Supply of 50mm x 1½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	706
957	BMW-I.363	Supply of 63mm x 2" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1086
958	BMW-I.364	Supply of 75mm x 2½" PPR Male Threaded Adaptor conforming to DIN Standards 8077/8092	Each	1737
959	BMW-I.365	Supply of 20mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	102
960	BMW-I.366	Supply of 25mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	106
961	BMW-I.367	Supply of 25mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	163
962	BMW-I.368	Supply of 32mm x ½" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	157
963	BMW-I.369	Supply of 32mm x ¾" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	183
964	BMW-I.370	Supply of 32mm x 1" PPR Female Threaded Elbow conforming to DIN Standards 8077/8092	Each	306
965	BMW-I.371	Supply of 20mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	152
966	BMW-I.372	Supply of 25mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	167
967	BMW-I.373	Supply of 25mm x ¾" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	221
968	BMW-I.374	Supply of 32mm x ½" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	212
969	BMW-I.375	Supply of 32mm x 1" PPR Male Threaded Elbow conforming to DIN Standards 8077/8092	Each	458
970	BMW-I.376	Supply of 20mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	98
971	BMW-I.377	Supply of 25mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	108

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
972	BMW-I.378	Supply of 25mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	179
973	BMW-I.379	Supply of 32mm x ½" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	189
974	BMW-I.380	Supply of 32mm x ¾" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	212
975	BMW-I.381	Supply of 32mm x 1" PPR Female Threaded Tee conforming to DIN Standards 8077/8092	Each	298
976	BMW-I.382	Supply of 20mm x ½" PPR Male Threaded Teeconforming to DIN Standards 8077/8092	Each	153
977	BMW-I.383	Supply of 25mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	163
978	BMW-I.384	Supply of 25mm x ¾" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	234
979	BMW-I.385	Supply of 32mm x ½" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	240
980	BMW-I.386	Supply of 32mm x¾"PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	253
981	BMW-I.387	Supply of 32mm x 1" PPR Male Threaded Tee conforming to DIN Standards 8077/8092	Each	467
982	BMW-I.388	Supply of 20mm x ½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	394
983	BMW-I.389	Supply of 25mm x¾"PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	591
984	BMW-I.390	Supply of 32mm x1"PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	789
985	BMW-I.391	Supply of 40mm x1¼"PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1106
986	BMW-I.392	Supply of 50mm x 1½" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	1777
987	BMW-I.393	Supply of 63mm x 2" PPR Female Threaded Union conforming to DIN Standards 8077/8092	Each	2822
988	BMW-I.394	Supply of 20mm x ½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	452
989	BMW-I.395	Supply of 25mm x¾"PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	601
990	BMW-I.396	Supply of 32mm x1"PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	789
991	BMW-I.397	Supply of 40mm x1¼"PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	986
992	BMW-I.398	Supply of 50mm x 1½" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	1875
993	BMW-I.399	Supply of 63mm x 2" PPR Male Threaded Union conforming to DIN Standards 8077/8092	Each	3159
994	BMW-I.400	Supply of 20mm PPR Union conforming to DIN Standards 8077/8092	Each	86
995	BMW-I.401	Supply of 25mm PPR Union conforming to DIN Standards 8077/8092	Each	101
996	BMW-I.402	Supply of 32mm PPR Union conforming to DIN Standards 8077/8092	Each	166
997	BMW-I.403	Supply of 20mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	157

Sl. No	Item Code	Description of item	Unit	Basic RATE for SoR 2018-19
998	BMW-I.404	Supply of 25mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	207
999	BMW-I.405	Supply of 32mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	218
1000	BMW-I.406	Supply of 40mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	445
1001	BMW-I.407	Supply of 50mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	519
1002	BMW-I.408	Supply of 63mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	840
1003	BMW-I.409	Supply of 75mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1382
1004	BMW-I.410	Supply of 90mm PPR Ball Valve conforming to DIN Standards 8077/8092	Each	1975
1005	BMW-I.411	Supply of 20mm PPR Clamp conforming to DIN Standards 8077/8092	Each	9
1006	BMW-I.412	Supply of 25mm PPR Clamp conforming to DIN Standards 8077/8092	Each	12
1007	BMW-I.413	Supply of 32mm PPR Clamp conforming to DIN Standards 8077/8092	Each	14
1008	BMW-I.414	Supply of 40mm PPR Clamp conforming to DIN Standards 8077/8092	Each	15
1009	BMW-I.415	Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - up to 40 mm dia	1 RM	31
1010	BMW-I.416	Labour charges for laying, joining, welding, fixing and commissioning the PPR pipes including all specials such as couplers/ bends/ tees etc including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with welding the joint as per standard practice - above 40 mm dia	1 RM	53
NOTE				
1	All the items to be used on work are of first quality & ISI and as approved by the Engineer In charge of the work.			
2	Rates given above are:			
	a) Ratefor finished item of work			
	b) Labour charges only			
3	RATES			
	Supply Rates for all the materials are based on market rates excluding GST.			
4	LABOUR Labour charges are increased based on proposals and market rates			
5	Coloured porcelain items: 50% extra may be allowed on basic cost of white porcelain items excluding fittings			
6	SSR Rates for Sanitary & water supply items are purely for guidance for the officers for preparation of estimates vide Para 113 of APPWD code. Authority who prepares the estimate is however responsible for proper rates as envisaged in Para 45 of APPWD code.			
	LEGEND			
	"BMW" -X.XX	"BMW" for Water Supply & Sanitary items		
	XXX-"A".XX	"A" for Name of the Section		
	XXX-X."01"	"01" for Serial Number of the Item		

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

Sl. No	SECTION	NAMES OF THE ITEMS	NAMES OF THE BRAND / MANUFACTURER/ SUPPLIER
1	SECTION – C	C.I. PIPES & FITTINGS -AS PER - IS 1729:1979	B.I.C., NECO or equivalent, NVR
2	SECTION – D	VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS:2556 – 1974	Hindustan Sanitary ware/ Parryware/ Neycer/ CERA / Jaquar/kerovit –kajaria/ H&R Johnson, SCONE Ceramics, Plastro Craft.
3	SECTION – E	TAPS & FAUCETS	Seiko/ Senior/ Nice/ CERA/ Hindware – PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson /Karla, Plastro craft, HSIL/Coronet
4	SECTION – F	G.I. PIPES & FITTINGS	Pipes -Tata, Sail, Zenith: Fittings - HB : Valves – Zoloto, Sant valves/ JSW/ Oswal,NVR, Lehry Valves
5	SECTION – G	PVC PIPES & FITTINGS	Sintex for PVC tanks,Pipes and Fittings – Prince/ Finolex / Sudhakar/Kisan/Supreme/ AKG or any ISI Brand, LLC Tanks - Parry ware, Slim line, CERA/ UNIFLEX / ASTRAL UPVC & CPVC pipes, AJAY, Aqua excel, Birla Aerocon
6	SECTION – H	CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 – 1984	B.I.C., NECO - ISI brand
7	SECTION – I	MISCELLANEOUS	Special Taps and CP Fittings - Jaquar / Jupiter Aqua Lines-JAL/ CERA/ NECO Hubless pipes SFMC PPR & PVC Pipes, Harshavardahan international / supreme, ASTRAL UPVC & CPVC pipes, CPVC Sudhakar Pipes, Coronet, Ashirvad, Prince, Kisan, NVR,Aqua Tech, H& R Johnson, Aparna, Lehry Valves, Birla Aerocon, AKG.
<p>Note: 1) All Building Materials conforming to ISI Standards shall be used in all CIVIL, Water Supply & Sanitary Fittings, Electrical and Electro-Mechanical Works.</p> <p>2) Not only limiting to the Brand / Manufacturer / Supplier for Materials/Products mentioned above,Material / Product conforming to the Specification and Standards of ISI from any Brand / Manufacturer, shall also be allowed in all CIVIL, Water Supply & Sanitary Fittings, Electrical and Electro-Mechanical Works also.</p>			

ELECTRICAL AND ELECTRO-MECHANICAL WORKS

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FOREWORD

1. Overheads and Contractor's profit as mentioned in the Preamble for Buildings SOR 2018-19 (Civil & Electrical) is applicable to original Electrical works subject to the fulfillment of the conditions mentioned in para 3.0 of Preamble
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 Para 4.0 (1) of Preamble
3. The Electrical contractor is solely responsible for both quality and quantity. Proposing specific make in the estimate from the SOR is within the scope of concerned field officers based on the necessity and availability of materials in such areas.
4. 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.
5. 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.
6. The rates for common civil items including labour rates have to be adopted from prevailing SOR.
7. The rates for all types of electrical items proposed in SOR are exclusive of GST (basic rates).
8. The rates for items such as Lifts, Refrigerators / A.C. Chilled Water plants / Water coolers and Video and Audio Systems etc., have to be invariably followed based on the prevailing market rates, since the rates and specification varies from manufacturer to manufacturer considerably. Hence , rates for these items are not incorporated in the SOR. However, relevant data without rates is provided in the standard schedule data for electrical works. .
9. 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 and IEC can be given by the Superintending Engineer (R&B) Electrical, duly obtaining approval from the Chief Engineer (R&B) Electrical.
10. The Superintending Engineer (R&B) Electrical will review the performance over the quality of the makes proposed in the SOR from time to time and in case any inferior quality is observed the same shall be brought to the notice of the Chief Engineer (R&B) Electrical to consider for deletion from the SOR.
11. The schedule of rates is only for guidance of officers for preparation of estimates as per the Para 113 of APPWD code. The authority that sanctioned the estimate is however responsible for adopting the proper rates in the estimates as envisaged in para 45 of APPWD code.
12. As per GO Ms No.51 Industries and commerce (MSME) Dept Dt:01.06.2010, all the indenting departments / Agents should invariably give preference to all local MSME which are manufacturing quality products having ISO 9001 – 2000, DGS & D, BIS certification without entertaining any other dealers / branded product manufacturers who have no production base in Andhra Pradesh

Chief Engineer(R&B) Electrical

ELECTRICAL AND ELECTRO-MECHANICAL ITEMS

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		SECTION – 1		
	1.1	M.S. CONDUIT PIPES		
1	ELEC-1.1.1	Supply of ISI, outer dia, 16 guage thickness MS conduit pipe as per IS-9537 Part II Makes: NAI / Bharath / GB / AKG.		
	a	20 mm	1 RM	90
	b	25 mm	1 RM	110
	c	32 mm	1 RM	160
	d	38 mm	1 RM	270
	e	50 mm	1 RM	245
2	ELEC-1.1.2	Supply of MS Junction box normal range big size long neck.		
	a	19/20 mm	1 No	25
	b	25 mm	1 No	30
	c	32 mm	1 No	70
	d	40/38 mm	1 No	95
	e	50 mm	1 No	175
3	ELEC-1.1.3	Supply ofMS Junction deep box.		
	a	20/25 mm	1 No	65
	b	32 mm	1 No	110
	c	40 mm	1 No	130
	d	50 mm	1 No	160
4	ELEC-1.1.4	Supply of MS Inspection Bends.		
	a	19/20 mm	1 No	22
	b	25 mm	1 No	25
	c	32 mm	1 No	55
	d	40/38 mm	1 No	80
	e	50 mm	1 No	150
5	ELEC-1.1.5	Supply of MS Inspection Tee.		
	a	19/20 mm	1 No	25
	b	25 mm	1 No	30
	c	32 mm	1 No	70

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	d	40/38 mm	1 No	85
	e	50 mm	1 No	165
6	ELEC-1.1.6	Supply of MS Inspection Elbow.		
	a	19/20 mm	1 No	22
	b	25 mm	1 No	30
	c	32 mm	1 No	55
	d	40/38 mm	1 No	70
	e	50 mm	1 No	150
7	ELEC-1.1.7	Supply of MS Inspection 10 Guage G.I. checknut of size		
	a	19/20 mm	100 Nos	200
	b	25 mm	100 Nos	250
	c	32 mm	100 Nos	500
	d	40/38 mm	100 Nos	725
	e	50 mm	100 Nos	1,210
8	ELEC-1.1.8	Supply of Saddles with Base.		
	a	19/20 mm	100 Nos	215
	b	25 mm	100 Nos	225
	c	32 mm	100 Nos	380
	d	40/38 mm	100 Nos	550
	e	50 mm	100 Nos	650
9	ELEC-1.1.9	Supply of20 guage Saddles.		
	a	19/20 mm	100 Nos	110
	b	25 mm	100 Nos	150
	c	32 mm	100 Nos	240
	d	40/38 mm	100 Nos	310
	e	50 mm	100 Nos	380
10	ELEC-1.1.10	Supply of 16 Guage socket coupler.		
	a	19/20 mm	12 Nos	60
	b	25 mm	12 Nos	80
	c	32 mm	12 Nos	130
	d	38 mm	12 Nos	170
	e	40mm	12 Nos	190
	f	50 mm	12 Nos	400
11	ELEC-1.1.11	Supply of 19mm Ball Socket.		
	a	19 mm	12 Nos	230
	b	25 mm	12 Nos	350

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	1.2	PVC CONDUIT PIPES		
12	ELEC-1.2.1	Supply of ISI outer dia heavy grade with IS:9537 part 3 FRLS regid PVC pipe Makes : Precision/Universal& Marudhar/VIP / GoldMedal / Million plast / GM / Sudhakar /Anchor/ Polyline/ Polycab/ Orbit/AKG		
	a	20 mm(2.10mm thickness)	1 RM	23
	b	25 mm(2.20mm thickness)	1 RM	30
13	ELEC-1.2.2	Supply of ISI outer dia medium grade with IS:9537 part 3 FRLS regid PVC pipe Makes : Precision/Universal& Marudhar/VIP / GoldMedal / Million plast / GM / Sudhakar /Anchor/ Polyline/ Polycab/Orbit/ AKG		
	a	20mm (1.55 mm thickness)	1 RM	18
	b	25mm (1.80 mm thickness)	1 RM	25
	c	32mm (2.10 mm thickness)	1 RM	39
	d	40mm (2.30 mm thickness)	1 RM	50
	e	50mm (2.85 mm thickness)	1 RM	72
	NOTE:Add 5% extra on above price for Red/Yellow/Blue/Black/Green Colour PVC pipes used for specific purpose			
14	ELEC-1.2.3	Supply of ISI width and 12.5mm height Casing and Caping. Makes: Precision/VIP / Modi/ GoldMedal / Million plast / GM / Sudhakar / Polyline/Orbit/Anchor		
	a	19/20 mm	1 RM	20
	b	25mm	1 RM	30
	c	32mm	1 RM	35
	d	38/40mm	1 RM	58
15	ELEC-1.2.4	Supply of FRPP corrugated Flexible conduit pipe. Make:Precision/ VIP / GoldMedal / Million plast / Sudhakar / Polyline /Anchor		
	a	19/20 mm	1 RM	12
	b	25mm	1 RM	15
	c	32mm	1 RM	24
	d	38/40mm	1 RM	33
	e	50 mm	1 RM	54
16	ELEC-1.2.5	Supply of PVC Flexible Couplings for FRPP Corrugated conduit pipe Makes:Precision/ VIP / GoldMedal / Million plast / Sudhakar / Polyline /Anchor		
	a	19/20 mm	1 No	10
	b	25mm	1 No	15

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	c	32mm	1 No	25
	d	40mm	1 No	30
	e	50 mm	1 No	55
17	ELEC-1.2.6	Supply of..... PVC Junction Boxes confirms to IS : 3419 Make : Precision/Universal& Marudhar/VIP / GoldMedal / Million plast / GM / Sudhakar / Polyline/ Polycab/ Orbit/Anchor		
	a	19/20 mm	1 No	17
	b	25mm	1 No	18
	c	32mm	1 No	32
	d	40mm	1 No	34
	e	50 mm	1 No	47
18	ELEC-1.2.7	Supply ofPVC deep Junction Boxes confirms to IS : 3419. Make : Precision/Universal& Marudhar/VIP / GoldMedal / Million plast / GM / Sudhakar / Polyline/ Polycab /Orbit/Anchor		
	a	19/20 mm	1 No	21
	b	25mm	1 No	24
	c	32mm	1 No	37
	d	40/38 mm	1 No	40
	e	50 mm	1 No	58
19	ELEC-1.2.8	Supply of PVC Bends. Make : Precision/Universal& Marudhar/VIP / GoldMedal / Million plast / GM / Sudhakar / Polyline/ Polycab/ AKG/Orbit		
	a	19/20 mm dia 1.5mm thick	1 No	5
	b	25mm dia 1.5mm thick	1 No	7
	c	32mm dia 2.0mm thick	1 No	16
	d	40 mm dia 2.0mm thick	1 No	18
	e	50 mm dia 2.0mm thick	1 No	26
20	ELEC-1.2.9	Dummy Cover for PVC junction boxes	1 No	5
	1.3	METAL BOXES for switch boards		
21	ELEC-1.3.1	Supply of..... Hot Dip galvanized 20/18 SWG Module box with earthing terminal		
	a	1 or 2	1 No	54
	b	3	1 No	75
	c	4	1 No	90
	d	6	1 No	125
	e	8 or 9	1 No	160

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	f	12	1 No	195
		METALLIC BOXES		
22	ELEC-1.3.2	Supply of18 SWG sheet steel boxes duly finished with two coats of zinchromate redoxide		
	a	100mmx100x50mm	1 No	50
	b	175mmx100x60mm	1 No	60
	c	150mmx150x60mm	1 No	70
	d	200mmx150x60mm	1 No	80
	e	200mmx250x75mm	1 No	100
	f	250mmx300x75mm	1 No	175
	g	300mmx375x100mm		225
	1.4	T.W. BOARDS		
23	ELEC-1.4.1	Supply of T.W.Deep Box of Size		
	a	4" x 4"	1 No	10
	b	4" x 7	1 No	18
	c	6" x 6"	1 No	20
	d	6" x 8"	1 No	30
	e	8" x 10"	1 No	50
	f	10" x 12"	1 No	70
	g	12" x 15"	1 No	110
25	ELEC-1.4.2	Supply of Decolam Board of size		
	a	4" x 4"	1 No	15
	b	4" x 7	1 No	25
	c	6" x 6"	1 No	35
	d	6" x 8"	1 No	40
	e	8" x 10"	1 No	70
	f	10" x 12"	1 No	110
	g	12" x 15"	1 No	165
26	ELEC-1.4.3	Supply of Peeta Boards of size		
	a	9" x 14"	1 No	50
	b	12" x 10"	1 No	55
	c	15" x 20"	1 No	190
	d	18" x 24"	1 No	275
	e	18" x 30"	1 No	340
27	ELEC-1.4.4	Supply of No.8 Screws of		
	a	12mm.	100 Nos	60
	b	25mm.	100 Nos	75

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	c	30mm.	100 Nos	90
	d	35/38mm.	100 Nos	100
	e	50mm	100 Nos	116
	f	63/75mm.	100 Nos	140
	1.5	COPPER FLEXIBLE CABLES (AS PER IS:694)		
28	ELEC-1.5.1	Supply of FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS : 694 / 1990 specification for Copper cable. Makes: Finolex / RR kabel / Havells /KEI		
	a	14/0.3mm (1.0 Sqmm)	100 RM	1,000
	b	22/0.3mm (1.5 Sqmm)	100 RM	1,480
	c	36/0.3mm (2.5 Sqmm)	100 RM	2,390
	d	56/0.3mm (4.0 Sqmm)	100 RM	3,650
	e	84/0.3mm (6.0 Sqmm)	100 RM	5,545
	f	140/0.3mm (10.0 Sqmm)	100 RM	8,590
	i	126/0.4mm (16.0 Sqmm)	100 RM	13,590
29	ELEC-1.5.2	Supply of FRLS / HFFR / ZHFR PVC insulated 1100V grade as per IS : 694 / 1990 specification for Copper cable. Makes: Gloster/ Polycab / Bonton / V-Guard / GM / Million / HPL / Goldmedal / Finecab /Fortune Art / Kundan cab/Sudhakar/Orbit/Standard/Tamra/Anchor		
	a	14/0.3mm (1.0 Sqmm)	100 RM	880
	b	22/0.3mm (1.5 Sqmm)	100 RM	1,290
	c	36/0.3mm (2.5 Sqmm)	100 RM	2,090
	d	56/0.3mm (4.0 Sqmm)	100 RM	3,200
	e	84/0.3mm (6.0 Sqmm)	100 RM	4,995
	f	140/0.3mm (10.0 Sqmm)	100 RM	7,595
	i	126/0.4mm (16.0 Sqmm)	100 RM	12,590
30	ELEC-1.5.3	Supply of FRLS / ZHFR PVC insulated 1100V grade as per IS : 694 / 1990 specification for Copper cable. Makes: Nandicab / Star / Airson/ Benlo / Gemscab /Rajnigandha/Avocab/CRI/Salzer/ollvin		
	a	14/0.3mm (1.0 Sqmm)	100 RM	760
	b	22/0.3mm (1.5 Sqmm)	100 RM	1,095
	c	36/0.3mm (2.5 Sqmm)	100 RM	1,765
	d	56/0.3mm (4.0 Sqmm)	100 RM	2,650
	e	84/0.3mm (6.0 Sqmm)	100 RM	4,095
	f	140/0.3mm (10.0 Sqmm)	100 RM	6,495
	g	126/0.4mm (16.0 Sqmm)	100 RM	10,000
		SHEATHED FLEXIBLE CABLES		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
31	ELEC-1.5.4	Supply ofPVC insulated and sheathed FRLS copper round cable for voltage up to 1100V as per IS 694/1990. Makes: Finolex / RR Kable / Havells/KEI/ Polycab/ Orbit/Gloster		
	a	2 core 1.5 Sqmm	1 RM	40
	b	2 core 2.5 Sqmm	1 RM	64
	c	2 core 4.0 Sqmm	1 RM	95
	d	3 core 1.5 Sqmm	1 RM	55
	e	3 core 2.5 Sqmm	1 RM	85
	f	3 core 4.0 Sqmm	1 RM	135
	i	4 core 1.5 Sqmm	1 RM	70
	j	4 core 2.5 Sqmm	1 RM	110
	k	4 core 4.0 Sqmm	1 RM	170
32	ELEC-1.5.5	Supply ofPVC insulated and sheathed FRLS copper round cable for voltage up to 1100V as per IS 694/1990. Makes : Bonton / GM / Million / HPL / Goldmedal / Finecab /Fortune Art / Kundan cab/ Airson/CRI/ Tamra/ollvin/Avocab/Anchor		
	a	2 core 1.5 Sqmm	100 RM	35
	b	2 core 2.5 Sqmm	100 RM	50
	c	2 core 4.0 Sqmm	100 RM	80
	d	3 core 1.5 Sqmm	100 RM	45
	e	3 core 2.5 Sqmm	100 RM	70
	f	3 core 4.0 Sqmm	100 RM	110
	g	4 core 1.5 Sqmm	100 RM	55
	h	4 core 2.5 Sqmm	100 RM	90
	i	4 core 4.0 Sqmm	100 RM	135
33	ELEC-1.5.6	Supply of 23 / 0060 twin core twisted / flat heavy Copper wire. Makes: Finolex / Polycab / Havells / V-Guard / Gold Medal / GM / Million / Vimal /Airson/CRI/ Tamra/ ollvin/Avocab	100 RM	950
	1.6	SERVICE MAINS AND FLAT CABLE FOR SUBMERSIBLE MOTORS.		
34	ELEC-1.6.1	Supply ofWPSC (Weather Proof Single Core) ISI Alluminium Wire. Makes: Gold Medal / Million / GM / Vimal / Finecab / Nakoda / Nanadicab / Payal / Sudhakar/ Rajnigandha/Airson/Orbit/ollvin		
	a	2.5 Sqmm	100 RM	690
	b	6 Sqmm	100 RM	1,375
	c	10 Sqmm	100 RM	1,500
	d	16 Sqmm	100 RM	2,500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
35	ELEC-1.6.2	Supply ofWPTC (Weather Proof Twin Core) ISI Alluminium Wire. Makes: Gold Medal / Million / GM / Vimal / Finecab / Nakoda / Nanadicab / Payal / Sudhakar/ Rajnigandha/ airson/Orbit/ollvin/Avocab		
		6 Sqmm	100 RM	2,800
		10 Sqmm	100 RM	3,385
36	ELEC-1.6.3	Supply of 3 Core..... Flat Copper cable of ISI for Submersible Motors confirming to IS:694:1990. Makes: Finolex / Polycab / Havells / KEI/Gloster		
	a	1.5 Sqmm	1 RM	55
	b	2.5 Sqmm	1 RM	80
	c	4.0 Sqmm	1 RM	125
	d	6.0 Sqmm	1 RM	180
	e	10.0 Sqmm	1 RM	285
	f	16.0 Sqmm	1 RM	375
37	ELEC-1.6.4	Supply of 3 Core..... Flat Copper cable of ISI for Submersible Motors confirming to IS:694:1990. Makes: V-Guard / Gold Medal / GM / Million / Vimal /Finecab/Orbit/CRI/Tamra/Airson/Ollvin/Avocab/Anchor		
	a	1.5 Sqmm	1 RM	50
	b	2.5 Sqmm	1 RM	72
	c	4.0 Sqmm	1 RM	110
	d	6.0 Sqmm	1 RM	160
	e	10.0 Sqmm	1 RM	260
	f	16.0 Sqmm	1 RM	340
	1.7	FLUSH TYPE SWITCHES AND ACCESSORIES		
38	ELEC-1.7.1	Supply of Makes: GM G Home / Gold Medal Olive / Million Zoom / Great white Omega/Koncept/Vimal opel/Anchor		
	a	6A 1 Way flush type Swich.	1 No	15
	b	6A 2 Way flush type Swich.	1 No	19
	c	6A 2 pin flush type Socket.	1 No	18
	d	6A 3/2 pin flush type Socket with shutter.	1 No	24
	e	6A flush type Neon Indicator.	1 No	18
	f	6A Triangle Plug Top of	1 No	30
	g	1 Way flush type Bed Swich / Bell Push.	1 No	19
	h	16A flush type Swich.	1 No	60
	i	16A flush type Socket with shutter.	1 No	60
	j	16A flush type Switch Socket combined (2 in one).	1 No	90
	k	16A Triangle Plug Top	1 No	45

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	l	stepped type Electronic Regulator.	1 No	180
	m	3 Plate Jumbo Ceiling Rose.	1 No	19
	n	BH / SBH.	1 No	18
	o	Pendent Holder / Adopter.	1 No	15
	p	Telephone Jack with Connector.	1 No	45
	q	TV Antenna Outlet.	1 No	25
	r	15A/10A Flush type Fuse.	1 No	30
	s	32A DP Flush type.	1 No	95
	t	Calling Bell.	1 No	65
	u	Buzzer.	1 No	55
	v	Ding Dong Bell.	1 No	135
	w	Electronic Musical Bell.	1 No	220
	x	Remote Bell.	1 No	635
	y	MC Holder.	1 No	20
	z	Spike Guard with 1 No Switch and 4 Nos Sockets.	1 No	350
	A	Spike Guard with 4 No Switches and 4 Nos Sockets.	1 No	500
	1.8	MODULAR SWITCHES AND ACCESSORIES		
39	ELEC-1.8.1	Supply of Makes: Legrand Arteur / Schneider Zen celo/ Crabtree Murano or Amare/L&T-englaze/ GM-Zenova/Goldmedal(i-Push)		
	a	6A / 10A 1 Way 1 Module Modular Switch.	1 No	85
	b	6A / 10A 2 Way 1 Module Modular Switch.	1 No	95
	c	6A / 10A 2 Pin 2 Module Modular Socket.	1 No	85
	d	6A / 10A 3/2 Pin 2 Module Modular Socket with shutter.	1 No	130
	e	6A / 10A 1 Module Modular Switch with Neon Indicator.	1 No	105
	f	6A / 10A Modular Bell Push with Neon Indicator.	1 No	125
	g	16A / 10A Modular Flush Fuse with Neon Indicator.	1 No	115
	h	16A / 20A 1 Way 1 Module Modular Switch.	1 No	115
	i	16A / 20A 2 Way 1 Module Modular Switch.	1 No	125
	j	20A 1 Way 1 Module Modular Switch with Indicator.	1 No	125
	k	20A Modular Socket with shutter.	1 No	175
	l	16A/6A 1 way Combi Socket Modular Socket with shutter	1 No	180
	m	16A Triangle Top.	1 No	145
	n	1 Module Modular type Electronic step type Fan Regulator.	1 No	360
	o	Modular socket type Telephone jack with Connector	1 No	90
	p	Modular co-Axial socket type TV Antenna outlet.	1 No	90
	q	Push type button motor starter for A.C Units	1 No	725

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
40	ELEC-1.8.2	Supply of Makes: Legrand Myrius / Crabtree verona / L&T/ HPL/ Schneider Livia/ GM- Zicono/ C&S/Goldmedal(Curve/Air) / Million Mway / Logus Platina/ Panasonic Vision / Salzer S90series/Precision/Koncept(Samrat/Qura)/Ploycab(Levana)/ Anchor-Roma/ Amron/IndoAsian/Pointer		
	a	6A / 10A 1 Way 1 Module Modular Switch.	1 No	55
	b	6A / 10A 2 Way 1 Module Modular Switch.	1 No	65
	c	6A / 10A 2 Pin 2 Module Modular Socket.	1 No	55
	d	6A / 10A 3/2 Pin 2 Module Modular Socket with shutter.	1 No	85
	e	6A / 10A 1 Module Modular Switch with Neon Indicator.	1 No	70
	f	6A / 10A Modular Bell Push with Neon Indicator.	1 No	80
	g	16A / 10A Modular Flush Fuse with Neon Indicator.	1 No	75
	h	16A / 20A 1 Way 1 Module Modular Switch.	1 No	75
	i	16A / 20A 2 Way 1 Module Modular Switch.	1 No	85
	j	20A 1 Way 1 Module Modular Switch with Indicator.	1 No	80
	k	20A Modular Socket with shutter.	1 No	125
	l	16A/6A 1 way Combi Socket Modular Socket with shutter	1 No	125
	m	16A Triangle Top.	1 No	60
	n	1 Module Modular type Electronic step type Fan Regulator.	1 No	310
	o	Modular socket type Telephone jack with Connector	1 No	60
	p	Modular co-Axial socket type TV Antenna outlet.	1 No	60
	q	Push type button motor starter for A.C Units	1 No	675
		COVER FRAMES		
41	ELEC-1.8.3	Supply of Makes: Legrand Arteur / Schneider Zen celo/ Crabtree Murano or Amare/L&T-englaze/ GM-Zenova/Goldmedal(i-Push)		
	a	1 or 2 Modular Cover Frame.	1 No	60
	b	3 Modular Cover Frame.	1 No	70
	c	4 Modular Cover Frame.	1 No	80
	d	6 Modular Cover Frame .	1 No	120
	e	8 Modular Horizontal / Vertical Cover Frame.	1 No	155
	f	12 Modular Vertical Cover Frame.	1 No	190

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
42	ELEC-1.8.4	Supply of Makes: Legrand Myrius / Crabtree verona / L&T/ HPL/ Schneider Livia/ GM- Zicono/ C&S/Goldmedal(Curve/Air) / Million Mway / Logus Platina/ Panasonic Vision / Salzer S90series/Precision/Koncept(Samrat/Qura)/Ploycab(Levana)/ Anchor-Roma/ Amron/IndoAsian/Pointer		
	a	1 or 2 Modular Cover Frame.	1 No	50
	b	3 Modular Cover Frame.	1 No	60
	c	4 Modular Cover Frame.	1 No	70
	d	6 Modular Cover Frame .	1 No	100
	e	8 Modular Horizontal / Vertical Cover Frame.	1 No	125
	f	12 Modular Vertical Cover Frame.	1 No	150
		SECTION - 2		
	2.1	PANEL MOUNTING SWITCH DISCONNECTOR FUSE UNITS (SDFU)		
43	ELEC-2.1.1	Supply ofTPN Switch Disconnecter Fuse Unit aCubical type without fuses as per IS: 13947/IEC 60947-3 Makes: L&T / G E / C&S / ABB / SIEMENS		
	a	32A	1 No	1300
	b	63A	1 No	2220
	c	125A	1 No	5300
	d	200A	1 No	6950
	e	250A	1 No	8300
	f	400A	1 No	12800
	g	630A	1 No	21700
44	ELEC-2.1.2	Supply of TPN Switch Disconnecter Fuse Unit Cubical type without fuses as per IS: 13947/IEC 60947-3 Makes: Standard / Havells / HPL / Indo Asian / Benlo/Anchor		
	a	32A	1 No	1100
	b	63A	1 No	1630
	c	125A	1 No	3650
	d	200A	1 No	5500
	e	250A	1 No	6200
	f	400A	1 No	9500
	g	630A	1 No	15900
	2.2	ON LOAD CHANGEOVER SWITCHES (OPEN EXECUTION)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
45	ELEC-2.2.1	Supply of 4 Pole Change Over Switch on Load with open Execution as per IS:13947 Makes: Socomec / L & T / HPL / Havells/ C&S		
	a	63A	1 No	4100
	b	125A	1 No	7700
	c	200A	1 No	10300
	d	250A	1 No	14700
	e	400A	1 No	22200
	f	630A	1 No	26500
46	ELEC-2.2.2	Supply of 4 Pole Change Over Switch on Load with open Execution as per IS:13947 Makes: ABB / GE / Siemens / Indo Asian / Benlo/Standard		
	a	32 A	1 No	1500
	b	63A	1 No	3700
	c	125A	1 No	7300
	d	200A	1 No	9500
	e	250A	1 No	13500
	f	400A	1 No	20800
	g	630A	1 No	24500
	2.3	OFF LOAD CHANGE OVER SWITCHES IN SS ENCLOSURE		
47	ELEC-2.3.1	Supply of Off load Changeover Switch in sheet steel enclosure as per IS:13947 Makes: HPL / Havells / Standard / Indo Asian / C&S		
	a	32A 240V DP	1 No	1250
	b	63A 415V FP	1 No	4300
	c	100A 415V FP	1 No	6550
48	ELEC-2.3.2	Supply of Off load Changeover Switch in sheet steel enclosure as per IS:13947 Makes: Benlo / Million / GoldMedal / Vimal		
	a	32A 240V DP	1 No	725
	b	63A 415V FP	1 No	2500
	c	100A 415V FP	1 No	4700
	2.4	AUTO TRANSFER SWITCH		
49	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: Socomec /Hager /ABB/ HPL/L&T/Havells		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	125A, 415VAC, FP	1 No	35000
	b	160A, 415VAC FP	1 No	36500
	c	200A 415VACFP	1 No	37500
	d	250A, 415VAC FP	1 No	47000
	e	315A, 415VAC FP	1 No	47500
	f	400A, 415VAC FP	1 No	59500
50	ELEC-2.4.2	Supply ofauto 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: Socomec ATysP/ ABB/L&T		
	a	630A,415VAC FP	1 No	75500
	b	800A, 415VAC FP	1 No	100000
	c	1000A,415VAC FP	1 No	124000
	d	1250A, 415VAC FP	1 No	154000
	e	1600 A, 415VAC FP	1 No	191000
	f	2000 A, 415VAC FP	1 No	279000
	g	2500 A, 415VAC FP	1 No	308000
	h	3200 A, 415VAC FP	1 No	396000
	2.5	REWIRABLE / DOUBLE BREAK SWITCHES IN SS ENCLOSURE		
51	ELEC-2.5.1	Supply of Rewirable Fuse Switch in SS enclosure as per IS:13947 Makes: HPL / Havells / Standard / Indo Asian		
	a	32A 240V SPN	1 No	850
	b	32A 415V TPN	1 No	1300
	c	63A 415V TPN	1 No	3200
	d	100A 415V TPN	1 No	5600
52	ELEC-2.5.2	Supply of Double Break Switch in SS enclosure without fuses as per IS:13947 Makes: HPL / Havells / Standard / Indo Asian		
	a	100A 415V TPN	1 No	5700
	b	200A 415V TPN	1 No	8200
53	ELEC-2.5.3	Supply of Rewirable Fuse Switch in SS enclosure as per IS:13947 Makes:Anchor / GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star/Kundan cab/Anchor.		
	a	32A 240V SPN	1 No	600
	b	32A 415V TPN	1 No	920
	c	63A 415V TPN	1 No	2200

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	d	100A 415V TPN	1 No	4200
54	ELEC-2.5.4	Supply ofDouble Break Switch in SS enclosure without fuse as per IS:13947 Makes: Anchor / GM / Million / Sputnik / Sigma / Gold Medal / Benlo / Star/Kundan cab/Anchor.		
	a	100A 415V TPN	1 No	4300
	b	200A 415V TPN	1 No	7000
	2.6	HRC FUSE LINKS (DIN/BOLTED TYPE)		
55	ELEC-2.6.1	Supply ofHRC Fuse Links as per IS 13703-Part 2/IEC 60269- Part 2 Makes: L & T / G E / C & S / Standard / HPL / Havells / Siemens / Indo Asian		
	a	6A to 35 A	1 No	200
	b	45A to 63A	1 No	230
	c	100 A to 160 A	1 No	265
	d	250A to 350A	1 No	600
	e	400A	1 No	665
	f	630A	1 No	
	2.7	PORCELAIN REWIRABLE FUSE UNITS.		
56	ELEC-2.7.1	Supply of Porcelain Rewirable Fuse Units. Makes: C&S/Standard/HPL/ Sputnik / Million / Gold Medal / Benlo /Anchor		
	a	32A 240V	1 No	100
	b	32A 415V	1 No	150
	c	63A 415V	1 No	250
	d	100A 415V	1 No	520
57	ELEC-2.7.2	Supply of..... Porcelain Rewirable Fuse Units with extension strip. Makes: C&S/Standard/HPL/ Sputnik / Million / Gold Medal / Benlo/Anchor		
	a	200A 415V	1 No	850
	b	300A 415V	1 No	100
	2.8	VOLTAGE SURGE PROTECTORS		
58	ELEC-2.8.1	Supply of Voltage Surge Protector. Makes: Legrand / Siemens / G.E / L&T / Hager/Havells		
	a	2 Pole 2 Module 40 KA 1.4 KV	1 No	7000
	b	4 Pole 4 Module 40 KA 1.4 KV	1 No	13125
	c	2 Pole 2 Module 15 KA 1.2 KV	1 No	5600
	d	4 Pole 4 Module 15 KA 1.2 KV	1 No	10500
	2.9	PANEL MOUNTING MCCBs		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
59	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: L&T- D shine / Schneider-NS NSX/Legrand -DP X3/ Siemens-3VL / Hager-h3/C&S -Winbreak2		
	a	63A / 60A 3 Pole MCCB,16 KA	1 No	6400
	b	63A / 60A 4 Pole MCCB,16 KA	1 No	6900
	c	125A 3 Pole MCCB,25 KA	1 No	7600
	d	125A 4 Pole MCCB,25 KA	1 No	8500
	e	160A 3 Pole MCCB,25 KA	1 No	9400
	f	160A 4 Pole MCCB,25 KA	1 No	12200
	g	250A 3 Pole MCCB,36/35 KA	1 No	15500
	h	250A 4 Pole MCCB,36/35 KA	1 No	20450
	i	400A 3 Pole MCCB,36/35 KA	1 No	21250
	j	400A 4 Pole MCCB,36/35 KA	1 No	25500
	k	630A 3 Pole MCCB,50 KA	1 No	30500
	l	630A 4 Pole MCCB,50 KA	1 No	37500
	m	800A 3 Pole MCCB,50 KA	1 No	46000
	n	800A 4 Pole MCCB,50 KA	1 No	58000
60	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: GE / ABB / Havells / HPL / Standard / Indo Asian/Anchor.		
	a	63A / 60A 3 Pole MCCB,16 KA	1 No	5700
	b	63A / 60A 4 Pole MCCB,16 KA	1 No	6200
	c	125A 3 Pole MCCB,25 KA	1 No	6800
	d	125A 4 Pole MCCB,25 KA	1 No	7600
	e	160A 3 Pole MCCB,25 KA	1 No	8400
	f	160A 4 Pole MCCB,25 KA	1 No	10900
	g	250A 3 Pole MCCB,36/35 KA	1 No	13900
	h	250A 4 Pole MCCB,36/35 KA	1 No	18400
	i	400A 3 Pole MCCB,36/35 KA	1 No	19100
	j	400A 4 Pole MCCB,36/35 KA	1 No	22900
	k	630A 3 Pole MCCB,50 KA	1 No	27400
	l	630A 4 Pole MCCB,50 KA	1 No	33700
	m	800A 3 Pole MCCB,50 KA	1 No	41000
	n	800A 4 Pole MCCB,50 KA	1 No	52000
		PANEL MOUNTING ACBs (Microprocessor Based)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
61	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, shot circuit and earth fault Protection with display and 20 faults History backup. Makes: Siemens-3WLETU45B / L&T-U Power Omega(MTX3.5 EC) / Schneider -Master pact NW 6.0P /Legrand-DMX3/C&S Winmaster-2)		
	a	630A 3 Pole, 50kA Electrically fixed	1 No	105000
	b	630A 3 Pole, 50kA Electrically drawout	1 No	137000
	c	630A 4 Pole, 50kA Electrically fixed	1 No	127000
	d	630A 4 Pole, 50kA Electrically drawout	1 No	170000
	e	800A 3 Pole, 50kA Electrically drawout	1 No	145000
	f	800A 4 Pole, 50kA Electrically drawout	1 No	180000
	g	1000A 3 Pole, 50kA Electrically drawout	1 No	155000
	h	1000A 4 Pole, 50kA Electrically drawout	1 No	195000
	i	1250A 3 Pole, 50kA Electrically drawout	1 No	183000
	j	1250A 4 Pole, 50kA Electrically drawout	1 No	223000
	k	1600A 3 Pole, 50kA Electrically drawout	1 No	203000
	l	1600A 4 Pole, 50kA Electrically drawout	1 No	240000
	m	2000A 3 Pole, 75kA Electrically drawout	1 No	295000
	n	2000A 4 Pole, 75kA Electrically drawout	1 No	365000
	o	2500A 3 Pole, 75kA Electrically drawout	1 No	350000
	p	2500A 4 Pole, 75kA Electrically drawout	1 No	395000
	q	3200A 3 Pole, 75kA Electrically drawout	1 No	350000
	r	3200A 4 Pole, 75kA Electrically drawout	1 No	420000
62	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, shot circuit and earth fault Protection Makes:ABB / HPL / GE / Indo Asian / Havells/Legrand-SP		
	a	630A 3 Pole, 50kA Electrically fixed	1 No	92000
	b	630A 3 Pole, 50kA Electrically drawout	1 No	120000
	c	630A 4 Pole, 50kA Electrically fixed	1 No	105000
	d	630A 4 Pole, 50kA Electrically drawout	1 No	145000
	e	800A 3 Pole, 50kA Electrically drawout	1 No	125000
	f	800A 4 Pole, 50kA Electrically drawout	1 No	160000
	d	1000A 3 Pole, 50kA Electrically drawout	1 No	140000
	f	1000A 4 Pole, 50kA Electrically drawout	1 No	160000
		AIR INSULATED BUS DUCT		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
63	ELEC-2.9.5	Supply, instalation, testing and commisioning ofAmp,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 convinient sections including necessary 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: Legrand (Zucchini) / C&S		
	a	400Amp, 50 - 53KA	RM	9200
	b	630Amp, 50 - 63KA	RM	11000
	c	800 Amp, 50 - 76KA	RM	12000
	d	1000 Amp, 50 - 76KA	RM	13755
	e	1250 Amp, 50 - 76KA	RM	14390
	f	1600 Amp, 50 - 76KA	RM	18070
64	ELEC-2.9.6	Supply and Fixing of Spring Bracket with fixing kit for Air Insulated Busduct / Raising Mains. Makes: Legrand (Zucchini) / C&S	1 No	5500
65	ELEC-2.9.7	Supply and Fixing of Amps Horizontal / Vertical bends for Air Insulated Bus Duct .Makes: Legrand (Zucchini) / C&S		
	a	400 Amps	1 No	10500
	b	630 Amps	1 No	12000
	c	800 Amps	1 No	12500
	d	1000Amps	1 No	14650
	e	1250 Amps	1 No	15835
	f	1600 Amps	1 No	17974
66	ELEC-2.9.8	Supply and Fixing ofAmps Tap off box for Air Insulated Busduct. Makes: Legrand (Zucchini) / C&S		
	a	125A	1 No	12500
	b	250A	1 No	14500
	c	400A	1 No	21500
	d	630 A	1 No	23342
		SANDWITCH BUSDUCT		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
67	ELEC-2.9.10	Supply, instalation, testing and commisioning ofAmp,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 convinient sections including 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 side) including GI clamping brackets,angle iron brackets,steel fastners,connecting to earth system as required .Makes: Legrand (Zucchini) / L&T / Schneider/C&S		
	a	630Amp, 36/40	RM	11300
	b	800Amp, 42/50KA	RM	12650
	c	1000Amp, 50KA	RM	13950
	d	1250 Amp,75kA	RM	14500
	e	1600 Amp,80 kA	RM	18250
	f	2000 Amp ,80kA	RM	22300
	g	2500 Amp ,150 kA	RM	32000
	h	3200 Amp,160kA	RM	37000
	i	4000 Amp,160kA	RM	49500
68	ELEC-2.9.11	Supply and Fixing ofAmps Horizontal / Vertical bends for sandwich Bus Duct .Makes: Legrand (Zucchini) / L&T / Schiender / C&S		
	a	630A	1 No	11500
	b	800A	1 No	12400
	c	1000A	1 No	13000
	d	1250 A	1 No	14000
	e	1600 A	1 No	16000
	f	2000 A	1 No	18600
	g	2500 A	1 No	23500
	h	3200 A	1 No	28500
	i	4000 A	1 No	32000
69	ELEC-2.9.12	Supply and Fixing of Amps Copper Flexibles for three phases and neutral for Air Insulated / sandwich Busduct . Makes: Legrand (Zucchini) / L&T / Schiender /C&S		
	a	400A	1 No	24500
	b	630A	1 No	26000
	c	800A	1 No	28260
	d	1000A	1 No	29750

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	e	1250 A	1 No	31500
	f	1600 A	1 No	34000
	g	2000 A	1 No	37000
	h	2500 A	1 No	42000
	i	3200 A	1 No	45000
	j	4000 A	1 No	48000
69	ELEC-2.9.13	Supply and fixing of Flange end forAmps for Air insulated Busdusts . Makes: Legrand (Zucchini) / Schiender /C&S		
	a	400A	1 No	9500
	b	630A	1 No	13000
	c	800A	1 No	16000
70	ELEC-2.9.14	Supply and fixing of Flange end forAmps for Sandwich Busdusts . Makes: Legrand (Zucchini) / L&T / Schiender /C&S		
	a	400A	1 No	11500
	b	630A	1 No	15350
	c	800A	1 No	19100
	d	1000 A	1 No	20100
	e	1250 A	1 No	13900
	f	1600 A	1 No	15700
	g	2000 A	1 No	24450
	h	2500 A	1 No	41300
	i	3200 A	1 No	45200
	j	4000 A	1 No	47500
71	ELEC-2.9.15	Supply and Fixing ofAmps Tap off box for Sandwich Busduct. Makes: Legrand (Zucchini) / L&T / Schiender /C&S		
	a	160A	1 No	15800
	b	250A	1 No	26500
	c	400A	1 No	33500
	d	630A	1 No	48650
	e	800A	1 No	73000
	2.10	MCBs (AS PER IS:60898-1:2002)		
72	ELEC-2.10.1	Supply of ,..... 10KA C/D Curve ISI Mark. Makes: Legrand-DX3 / Schneider-Acti9/Hager-h3/ Siemens-5SX4/ Crabtree-Xpro/L&T-AU		
	A	6-32A SP MCB	1 No	180
	B	40-63A SP MCB	1 No	385

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	C	6-32A DP MCB	1 No	550
	d	40-63A DP MCB	1 No	875
	e	6-32A TP MCB	1 No	875
	f	40-63A TP MCB	1 No	1400
	g	6-32A FP MCB	1 No	1200
	h	40-63A FP MCB	1 No	1750
73	ELEC-2.10.2	Supply of ,..... 10KA C/D Curve ISI Mark. Makes: ABB- S200/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S /L&T-Exora/ GM /Gold Medal/Anchor/Salzer		
	a	6-32A SP MCB	1 No	155
	b	40-63A SP MCB	1 No	330
	c	6-32A DP MCB	1 No	465
	d	40-63A DP MCB	1 No	690
	e	6-32A TP MCB	1 No	720
	f	40-63A TP MCB	1 No	1125
	g	6-32A FP MCB	1 No	980
	h	40-63A FP MCB	1 No	1400
74	ELEC-2.10.3	Supply of 6-32A 10KA SP MCB, C/D Curve ISI Mark. Makes: Milltec / Sputnik / Benlo / Vimal/Polycab /Precision/Amron.		
	a	6-32A SP MCB	1 No	140
	b	40-63A SP MCB	1 No	290
	c	6-32A DP MCB	1 No	420
	d	40-63A DP MCB	1 No	620
	e	6-32A TP MCB	1 No	650
	f	40-63A TP MCB	1 No	1000
	g	6-32A FP MCB	1 No	885
	h	40-63A FP MCB	1 No	1250
	2.11	ISOLATORS CONFIRMS TO I E C 60947 PART-III		
75	ELEC-2.11.1	Supply of Isolator. Makes:Legrand-DX3 / Schneider-Acti9/Hager-h3/ Siemens-5SX4/ Crabtree-Xpro/L&T-AU		
	a	32A DP	1 No	310
	b	40A DP	1 No	340
	c	63A DP	1 No	450
	d	40A TP	1 No	580
	e	63A TP	1 No	680
	f	40A FP	1 No	760

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	g	63A FP	1 No	850
	h	100A FP	1 No	900
76	ELEC-2.11.2	Supply of Isolator. Makes: ABB- S200/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S /L&T-Exora/ GM /Gold Medal/Anchor/Salzer		
	a	32A DP	1 No	300
	b	40A DP	1 No	315
	c	63A DP	1 No	380
	d	40A TP	1 No	540
	e	63A TP	1 No	550
	f	40A FP	1 No	630
	g	63A FP	1 No	675
	h	100A FP	1 No	825
77	ELEC-2.11.3	Supply of..... Isolator. Makes: Milltec / Sputnik / Benlo / Vimal/Polycab/ Precision/Amron.		
	a	32A DP	1 No	200
	b	40A DP	1 No	240
	c	63A DP	1 No	325
	d	40A TP	1 No	350
	e	63A TP	1 No	400
	f	40A FP	1 No	540
	2.12	RCCBs(ELCB/RCD) CONFIRMS TO IEC:61008 AND IS:12640-1		
78	ELEC-2.12.1	Supply of RCCB for earth leakage protection. Makes: Legrand-DX3 / Schneider-Acti9/Hager-h3/ Siemens-5SX4/ Crabtree-Xpro/L&T-AU		
	a	40A 2 Pole,30mA	1 No	2550
	b	40A 2 Pole,100mA	1 No	2700
	c	40A 4 Pole30mA	1 No	2800
	d	40A 4 Pole ,100mA	1 No	2950
	e	63A 2 Pole,30mA,	1 No	3150
	f	63A 2 Pole,100mA	1 No	3250
	g	63A 4 Pole,30mA	1 No	3350
	h	63A 4 Pole,100mA	1 No	3600
79	ELEC-2.12.2	Supply of RCCB for earth leakage protection. Makes: ABB- S200/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S /L&T-Exora/ GM /Gold Medal/Anchor/Salzer		
	a	40A 2 Pole,30mA	1 No	2150

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	40A 2 Pole,100mA	1 No	2300
	c	40A 4 Pole30mA	1 No	2380
	d	40A 4 Pole ,100mA	1 No	2500
	e	63A 2 Pole,30mA,	1 No	2675
	f	63A 2 Pole,100mA	1 No	2750
	g	63A 4 Pole,30mA	1 No	2850
	h	63A 4 Pole,100mA	1 No	3000
		RCBO CONFIRMS TO IEC:61009-1		
80	ELEC-2.12.3	Supply ofRCBO for over load, short-circuit and earth leakage protection. Makes: Legrand-DX3 / Schneider-Acti9/Hager-h3/ Siemens-5SX4/ Crabtree-Xpro/L&T-AU		
	a	40A 2 Pole,30mA	1 No	4750
	b	40A 2 Pole,100mA	1 No	5200
	c	40A 4 Pole30mA	1 No	5400
	d	40A 4 Pole ,100mA	1 No	5750
	e	63A 2 Pole,30mA,	1 No	5700
	f	63A 2 Pole,100mA	1 No	6050
	g	63A 4 Pole,30mA	1 No	6400
	h	63A 4 Pole,100mA	1 No	6500
	2.13	MCB DISTRIBUTION BOARDS (AS PER IS 8623; IS 13032; IEC 61439-3)		
		SPN DBs		
81	ELEC-2.13.1	Supply ofProtection suitable for S.P out goings and for 1 No Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. Makes: Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange .		
	a	6 Way SPN DB with IP 30 , 4Nos	1 No	875
	b	8 Way SPN DB with IP 30, 8 Nos	1 No	950
	c	12 Way SPN DB with IP 30, 12 Nos	1 No	1150
	d	6 Way SPN DB with IP 43, 4 Nos	1 No	1200
	e	8 Way SPN DB with IP 43, 8 Nos	1 No	1300
	f	12 Way SPN DB with IP 43, 12 Nos	1 No	1575
82	ELEC-2.13.2	Supply ofProtection suitable for S.P out goings and for 1 No Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. . . Makes: ABB/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S / L&T/GM /Gold Medal/Anchor/Salzer		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	6 Way SPN DB with IP 30 , 4Nos	1 No	750
	b	8 Way SPN DB with IP 30, 8 Nos	1 No	800
	c	12 Way SPN DB with IP 30, 12 Nos	1 No	1000
	d	6 Way SPN DB with IP 43, 4 Nos	1 No	1050
	e	8 Way SPN DB with IP 43, 8 Nos	1 No	1150
	f	12 Way SPN DB with IP 43, 12 Nos	1 No	1350
83	ELEC-2.13.3	Supply ofProtection suitable for S.P out goings and for 1 No Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. . . Makes: Milltec / Sputnik / Benlo / Vimal/Polycab/Precision/ Amron.		
	a	6 Way SPN DB with IP 30 , 4Nos	1 No	650
	b	8 Way SPN DB with IP 30, 8 Nos	1 No	700
	c	12 Way SPN DB with IP 30, 12 Nos	1 No	875
	d	6 Way SPN DB with IP 43, 4 Nos	1 No	940
	e	8 Way SPN DB with IP 43, 8 Nos	1 No	1000
	f	12 Way SPN DB with IP 43, 12 Nos	1 No	1200
		TPN DBs		
84	ELEC-2.13.4	Supply of Protection suitable forS.P. out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. . Makes: Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange .		
	a	(8 +12) 4 Way TPN DB Horizontal with IP 30, 12 Nos	1 No	1700
	b	(8 +18) 6 Way TPN DB Horizontal with IP 30, 18 Nos	1 No	2400
	c	(8 +12) 4 Way TPN DB Horizontal with IP 43, 12 Nos	1 No	2500
	d	(8 +18) 6 Way TPN DB Horizontal with IP 43, 18 Nos	1 No	3500
	e	(8 +24) 8 Way TPN DB Horizontal with IP 43, 24 Nos	1 No	3900
85	ELEC-2.13.5	Supply of Protection suitable forS.P. out goings and for 1 No 4 pole Incommer etc complete as per IS 8623; IS 13032; IEC 61439-3. . Makes: ABB/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S / L&T/GM /Gold Medal/Anchor/Salzer		
	a	(8 +12) 4 Way TPN DB Horizontal with IP 30, 12 Nos	1 No	1530
	b	(8 +18) 6 Way TPN DB Horizontal with IP 30, 18 Nos	1 No	2150
	c	(8 +12) 4 Way TPN DB Horizontal with IP 43, 12 Nos	1 No	2250
	d	(8 +18) 6 Way TPN DB Horizontal with IP 43, 18 Nos	1 No	3150
	e	(8 +24) 8 Way TPN DB Horizontal with IP 43, 24 Nos	1 No	3500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
86	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: Milltec /Benlo / Vimal /Precision/Amron		
	a	(8 +12) 4 Way TPN DB Horizontal with IP 30, 12 Nos	1 No	1400
	b	(8 +18) 6 Way TPN DB Horizontal with IP 30, 18 Nos	1 No	1900
	c	(8 +12) 4 Way TPN DB Horizontal with IP 43, 12 Nos	1 No	2100
	d	(8 +18) 6 Way TPN DB Horizontal with IP 43, 18 Nos	1 No	2700
	e	(8 +24) 8 Way TPN DB Horizontal with IP 43, 24 Nos	1 No	3000
		VTPN DBs		
87	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: Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange .		
	a	4 Way VTPN DB with IP 43	1 No	6300
	b	6 Way VTPN DB with IP 43	1 No	7300
	c	8 Way VTPN DB with IP 43	1 No	8100
88	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 andNos SPMCB's as out going as per IS 8623; IS 13032; IEC 61439-3. . Makes: Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange .		
	a	4 Way TPN DB, 12 Nos	1 No	7150
	b	8 Way TPN DB, 24 Nos	1 No	8150
89	ELEC-2.13.9	Supply ofsuitable 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: Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-AU		
	a	4 Way VTPN DB with IP 43 Protection.	1 No	8200
	b	8 Way VTPN DB with IP 43 Protection.	1 No	10300
90	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: ABB/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S / L&T/GM /Gold Medal/Anchor/Salzer		
	a	4 Way VTPN DB with IP 43	1 No	5600
	b	6 Way VTPN DB with IP 43	1 No	6500
	c	8 Way VTPN DB with IP 43	1 No	7200

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
91	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 andNos SPMCB's as out going. etc.,as per IS 8623; IS 13032; IEC 61439-3. Makes: Siemens / ABB / Standard / Havells / HPL / Hager/ Indo Asian / C&S/L&T/Anchor..		
	a	4 Way TPN DB,12 Nos	1 No	6400
	b	8 Way TPN DB,24 Nos	1 No	7300
92	ELEC-2.13.12	Supply ofsuitable 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: ABB/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S / L&T/GM /Gold Medal/Anchor/Salzer		
	a	4 Way VTPN DB with IP 43 Protection.	1 No	7300
	b	8 Way VTPN DB with IP 43 Protection.	1 No	9200
93	ELEC-2.13.13	Supply of Plug and Socket in SS enclosure. Makes:Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange .		
	a	20A SP	1 No	940
	b	20A TP	1 No	1775
	c	32A TP	1 No	2100
94	ELEC-2.13.14	Supply of Plug and Socket in SS enclosures as per IS 8623; IS 13032; IEC 61439-3. . Makes: ABB/Standard / Havells-euro II / HPL (Techno) / Indo Asian / C&S / L&T/GM /Gold Medal/Anchor/Salzer		
	a	20A SP	1 No	750
	b	20A TP	1 No	1250
	c	32A TP	1 No	1700
95	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: Milltec / Sputnik / Benlo / Vimal/Amron.		
	a	20A SP	1 No	600
	b	20A TP	1 No	1000
	c	32A TP	1 No	1400
96	ELEC-2.13.16	Supply of Enclosure with IP 20 Protection etc., complete as per IS 8623; IS 13032; IEC 61439-3. . Makes: Legrand(Ekinox 3) / Schneider-Acti9/Hager - Novello+/ Seimens/Crabtree Xpro classique-II/L&T-Newrange .		
	a	SP	1 No	250
	b	DP/TP/FP	1 No	350

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
97	ELEC-2.13.17	Supply of Enclosure with IP 20 Protection etc complete as per IS 8623; IS 13032; IEC 61439-3. . Makes: Siemens / ABB / Standard / Havells / HPL / Hager/ Indo Asian / C&S /L&T/ GM /Anchor/Gold Medal		
	a	SP	1 No	230
	b	DP/TP/FP	1 No	330
98	ELEC-2.13.18	Supply of Enclosure with IP 20 Protection. Makes: Milltec / Sputnik / Benlo / Vimal/Amron.		
	a	SP	1 No	210
	b	DP/TP/FP	1 No	310
		SECTION - 3		
	3.1	STREET LIGHT LUMINAIRES		
99	ELEC-3.1.1	Supply of fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover with Electronic ballast and all standard accessories etc. Makes: Phillips / Crompton / Bajaj / HPL/Surya		
		1 x 36/40 W	1 No	1150
100	ELEC-3.1.2	Supply of fluorescent street light luminaire with sheet aluminium housing and UV stabilised acrylic cover with Electronic ballast and all standard accessories etc. Makes: Style lamp / Mahita Electro / Capart / RK / Prolite/Kiran		
		1 x 36/40 W	1 No	800
101	ELEC-3.1.3	Supply of Street light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Phillips / Crompton / Bajaj / Surya / Venture / Halonix		
	a	70W SV / MH	1 No	2600
	b	150W SV / MH	1 No	3800
	c	250W SV / MH	1 No	4200
102	ELEC-3.1.4	Supply ofStreet light luminaire integral with pressure diecast aluminium housing having pot optics with IP66 protection with all standard accessories etc. Makes: Style lamp / Mahita Electro / Capart / RK / Prolite/Kiran		
	a	70W SV / MH	1 No	2200
	b	150W SV / MH	1 No	3200
	c	250W SV / MH	1 No	3700
103	ELEC-3.1.5	Supply of Flood light luminaire with Non - integral weather proof diecast aluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Venture		
	a	1 x 400W MH	1 No	5400

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	2 x 400W MH	1 No	8500
104	ELEC-3.1.6	Supply of Flood light luminaire with Non - integral weather proof diecast alluminium housing with IP65 / IP66 protection with Control Gear Box without lamp. Makes: Style lamp / Mahita Electro / Capart / RK / Prolite/Kiran		
	a	1 x 400W MH	1 No	4500
	b	2 x 400W MH	1 No	7000
105	ELEC-3.1.7	Supply of Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: Wipro / G.E. / Phillips / Bajaj / Crompton / Surya / Venture/HPL		
	a	500W	1 No	550
	b	1000W	1 No	990
106	ELEC-3.1.8	Supply of Hallozen Flood light luminaire with cast alluminium housing and tough end glass cover with all standard accessories. Makes: Style lamp / Mahita Electro / Capart / RK / Prolite		
	a	500W	1 No	450
	b	1000W	1 No	850
	3.2	LED POST TOP LANTERN LUMINAIRES		
107	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: Crompton LPTO-40-CDL-M/ Bajaj Celesta BGCL 40 W LED Wh/Wipro LP 02 or equivalent in Phillips/Keselec/Havells	1 No	8500
108	ELEC-3.2.2	Supply and Transportation of 35 W Post Top lantern made with high Pressure die cast alluminium bodywith polycarbonate / high impact acrylic protector for optimal luminous flux ,IP66 suitable for vertical mounting of 60 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 Make: Keselec NENA or equivalen in Ligman/Philips/Havells	1 No	21200
109	ELEC-3.2.3	Supply and Transportation of 40/50 W Post Top lantern made with high Pressure die cast alluminium bodywith polycarbonate / high impact acrylic protector for optimal luminous flux ,IP66 suitable for vertical mounting of 60 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 Make: Keselec SOFIA/Wipro LP 05 or equivalent in Ligman/Philips/Havells	1 No	27200
	3.3	ACCESSORIES FOR MV / SV / MH LUMINAIRES		
		COPPER BALLASTS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
110	ELEC-3.3.1	Supply of copper ballast. Makes: Phillips / Bajaj / Crompton / Havells / Surya / Venture / halonix/HPL		
	a	70 W SV / MH	1 No	600
	b	150 W SV / MH	1 No	850
	c	250 W SV / MH	1 No	1300
	d	400 W SV / MH	1 No	1900
111	ELEC-3.3.2	Supply of 70 W SV / MH copper ballast. Makes:Style lamp/ Mahita Electro / Capart / RK / Prolite		
	a	70 W SV / MH	1 No	475
	b	150 W SV / MH	1 No	690
	c	250 W SV / MH	1 No	1000
	d	400 W SV / MH	1 No	1300
		IGNITOR		
112	ELEC-3.3.3	Supply of Ignitor for SV / MH Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Surya / HPL / Havells / Venture / Capart	1 No	150
		HPF CAPACITORS		
113	ELEC-3.3.4	Supply of HPF Capacitor. Makes: TIBCON / Phillips / Crompton / Bajaj / Surya / Havells.		
	a	4 mfd	1 No	90
	b	10 mfd	1 No	150
	c	15 mfd	1 No	175
	d	20 mfd	1 No	240
	e	33 mfd	1 No	350
	f	42 mfd	1 No	400
	3.4	LAMPS		
114	ELEC-3.4.1	Supply of Lamp with ISI mark. Makes: Phillips / Osram / Crompton / Bajaj / Surya / Venture / Halonix/HPL.		
	a	500W Hallozen	1 No	90
	b	1000W Hallozen	1 No	110
	c	70W SV	1 No	400
	d	150W SV	1 No	600
	e	250W SV	1 No	675
	f	70W MH	1 No	750
	g	150W MH	1 No	800
	h	250W MH	1 No	1100

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	i	400W MH	1 No	1300
115	ELEC-3.4.2	Supply of Lamp with ISI mark. Makes: Style Lamp / Mahita Electro / Capart		
	a	500W Hallozen	1 No	60
	b	1000W Hallozen	1 No	90
	c	70W SV	1 No	320
	d	150W SV	1 No	575
	e	250W SV	1 No	625
	f	70W MH	1 No	725
	g	150W MH	1 No	775
	h	250W MH	1 No	990
	i	400W MH	1 No	1150
	3.5	AUTOMATIC STREET LIGHT CONTROL SYSTEMS		
116	ELEC-3.5.1	Supply of Automatic Street Light Control System with Optical Micro Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of of single phase load with necessary clamping arrangements. Make: Swadeep Nature Switch / Lightmate/ L&T/Havells		
	a	1 KW	1 No	8500
	b	3 KW	1 No	10750
	c	5 KW	1 No	11200
	d	8 KW	1 No	12800
117	ELEC-3.5.2	Supply of Automatic Street Light Control System with Optical Micro Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch / Light Mate / L&T/Havells		
	a	5 KW	1 No	14000
	b	8 KW	1 No	14600
	c	12 KW	1 No	17600
	d	25KW	1 No	28000
	e	50KW	1 No	39000
	3.6	INTERNAL LUMINAIRES		
118	ELEC-3.6.1	Supply of Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj/Havells/HPL/Halonix		
	a	1 x 36/40W	1 No	720

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	2 x 36/40W	1 No	1000
119	ELEC-3.6.2	Supply of Box type tube light luminaire powder coated CRCA sheet steel housing with Electronic Ballast Chokes and all standard accessories. Makes: Surya / Havells / Fortune Art/Kiran	1 No	
	a	1 x 36/40W	1 No	650
	b	2 x 36/40W	1 No	950
120	ELEC-3.6.3	Supply of 1 x 36/40W Patty type tube light luminaire powder coated CRCA sheet steel housing with Copper Chokes and all standard accessories. Makes: Crompton / Bajaj /Halonix/ Surya / RK / Million / Gold Medal	1 No	225
		ACCESSORIES		
121	ELEC-3.6.4	Supply of 9/13W VPIT Ballast for CFL with ISI mark. Makes: Crompton / Bajaj / Halonix/Surya / RK / Style Lamp/HPL	1 No	105
122	ELEC-3.6.5	Supply of 18W VPIT Ballast for CFL with ISI mark. Makes: Crompton / Bajaj /Halonix/ Surya / RK / Style Lamp /HPL	1 No	110
123	ELEC-3.6.6	Supply of 20W Copper Wound Ballast Makes: Crompton / Bajaj / Halonix/ Surya / RK / Style Lamp / Million / Gold Medal/HPL	1 No	110
124	ELEC-3.6.7	Supply of 40W Copper Wound Ballast. Makes: Crompton / Bajaj / Halonix/ Surya / RK / Style Lamp / Million / Gold Medal/HPL	1 No	135
125	ELEC-3.6.8	Supply of 36/40W VPIT Ballast. Makes: Crompton / Bajaj /Halonix/ Surya / RK / Style Lamp / Million / Gold Medal	1 No	150
126	ELEC-3.6.9	Supply of 40W Starter. Makes: Crompton / Bajaj / Halonix/ Surya / RK / Style Lamp / Million / Gold Medal	1 No	8
127	ELEC-3.6.10	Supply of Rotor holder(FTL). Makes: Phillips / Crompton / Bajaj / Halonix/ Surya	1 No	15
128	ELEC-3.6.11	Supply of FTL Starter holder. Makes: Phillips / Crompton / Bajaj /Halonix/ Surya	1 No	15
	3.7	FLOURSCENT TUBES / CFL LAMPS / LED BULBS		
129	ELEC-3.7.1	Supply of 40W-60W Lamp. Makes: Phillips / Crompton / Bajaj / Surya / Havells / Style Lamp / Capart	1 No	12
130	ELEC-3.7.2	Supply of 18/20W fluorescent tube. Makes: Phillips / Crompton / Bajaj / Surya / Style Lamp / Capart	1 No	40
131	ELEC-3.7.3	Supply of 36/40W fluorescent tube. Makes: Phillips / Crompton / Bajaj / Surya / Style Lamp / Capart	1 No	40

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
132	ELEC-3.7.4	Supply of Pin type CFL Lamp. Makes: Wipro / G.E. / Phillips / Crompton / Bajaj / Havells / Surya / HPL / Halonix.		
	a	9W	1 No	60
	b	11W	1 No	70
	c	13W	1 No	90
	d	18W	1 No	95
	e	36W	1 No	125
		LED BULBS		
133	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: Phillips /Crompton / Bajaj / Havells / Halonix/GM/HPL		
	a	0.5W LED	1 No	55
	b	3.0W LED	1 No	120
	c	5.0W LED	1 No	150
	d	7.0W LED	1 No	175
134	ELEC-3.7.6	Supply of Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 degrees, B22 base, Makes: Syska / Green Lites / Fortune Art / GoldMedal / VIN		
	a	0.5W LED	1 No	50
	b	3.0W LED	1 No	115
	c	5.0W LED	1 No	145
	d	7.0W LED	1 No	170
135	ELEC-3.7.7	Supply of 3W to 5W 3000K, AC 160-260V, LED Candel Lamp for shandliers. Makes: Phillips /Crompton / Bajaj / Havells / Halonix /GM	1 No	230
136	ELEC-3.7.8	Supply of 3W to 5W 3000K, AC 160-260V, LED Candel Lamp for shandliers. Makes: Syska / Green Lites / Fortune Art / HPL / GoldMedal	1 No	210
	3.8	LED LUMINAIRES INDOOR		
		DOWN LIGHTERS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
137	ELEC-3.8.1	Supply and fixing of..... heavy duty LED Down lighter, suitable for Recessed 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 > 120 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete a) LUMINAIRE MAKE : Phillips /Lighting Technologies(LT) / GE-Venture / Crompton / Wipro / Bajaj / Havells / Halonix/Jaquar/HPL/GM b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.		
	a	6W	1 No	750
	b	9W	1 No	950
	c	12W	1 No	1375
	d	15W	1 No	1475
	e	18W	1 No	1575
138	ELEC-3.8.2	Supply and fixing of heavy duty LED Down lighter, 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 > 120 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete Makes : Surya /C&S/ Fortune Art / Syska / GreenLites / Gold Medal / Enrich / Capart / Pharox / Stanjo / Goldwyn/VIN/Ib LED/Promtec/Eveready/Oppl b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT / San'an		
	a	6W	1 No	700
	b	9W	1 No	890
	c	12W	1 No	1290
	d	15W	1 No	1385
	e	18W	1 No	1480

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
139	ELEC-3.8.3	Supply and fixing of..... heavy duty LED Down lighter, 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 > 120 lumens / watt, CCT: 3000K - 5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete a) LUMINAIRE MAKE : Pasolite / Cosmo / Polycab / Siger/Koncept/Kiran/Vibrant b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an	1 No	
	a	6W	1 No	660
	b	9W	1 No	835
	c	12W	1 No	1210
	d	15W	1 No	1295
	e	18W	1 No	1385
		LED PANEL LIGHTS		
140	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 > 120 lumens/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Phillips /Lighting Technologies(LT) / GE-Venture / Crompton / Wipro / Bajaj / Havells /Halonix/Jaquar/HPL b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1 No	
	a	3W	1 No	325
	b	6W	1 No	525
	c	12W	1 No	850
	d	15W	1 No	1150
	e	18W	1 No	1175
	f	24W	1 No	1650
	g	36W/40W (600mm x 600mm) square type	1 No	3750

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
141	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 > 120 lumens/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete Makes : VIN/Surya / Fortune Art / Syska / GM / Green Lites / Gold Medal / C&S / Pharox / Anchor Panasonic / Stanjo/lb LED/Promtec/Eveready/Enrich/Oppl b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an		
	a	3W	1 No	305
	b	6W	1 No	490
	c	12W	1 No	800
	d	15W	1 No	1080
	e	18W	1 No	1100
	f	24W	1 No	1550
	g	36W/40W (600mm x 600mm) square type	1 No	3500
142	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 > 120 lumens/watt, CCT: 3000K - 5700K, minimum CRI>70, .etc., complete a) LUMINAIRE MAKE : Pasolite / Cosmo / Polycab / Trinic/ SIEGER /kashyap / Nandicab/Koncept/ Kiran/Vibrant b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an	1 No	
	a	3W	1 No	285
	b	6W	1 No	460
	c	12W	1 No	750
	d	15W	1 No	1010
	e	18W	1 No	1035
	f	24W	1 No	1450
		COB DOWN LIGHTS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
143	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 a) LUMINAIRE MAKE : Phillips / Lighting Technologies(LT) / GE-Venture / Crompton / Bajaj / Havells /Halonix/Jaquar/GM/HPL b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar/ Sunpo		
	a	9 / 10 W	1 No	1500
	b	15 / 16 W	1 No	1900
	c	18 / 20 W	1 No	2100
	d	30 W	1 No	3300
	f	45 W	1 No	3600
144	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 : VIN/Surya / Fortune Art / Syska / GreenLites / Gold Medal / Pharox / Stanjo/ Ib LED/ Promtec/Eveready/Enrich/Oppl b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar/ Sunpo		
	a	9 / 10 W	1 No	1425
	b	15/ 16W	1 No	1750
	c	18 / 20W	1 No	2000
	d	30W	1 No	3150
		SPOT LIGHTS / WALL WASHERS		
145	ELEC-3.9.9	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 a) LUMINAIRE MAKE : Phillips / GE / Crompton /Bajaj / Havells / VIN/Halonix/Jaquar /GM/HPL b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar/ Sunpo		
	a	2/3 W	1 No	450
	b	5/6 W	1 No	550
	c	7 W	1 No	1050

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
146	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: Surya / Fortune Art /Syska / GM / GreenLites / Gold Medal / Pharox / Kashyap / Stanjo/Koncept/lb LED/Promtec/Eveready/ Enrich/Oppl b) LED MAKE : Bridge Lux / LUMILEDS / CREE / NICHIA / / SAMSUNG/ Sunpo		
	a	2/3 W	1 No	400
	b	5/6 W	1 No	500
	c	7 W	1 No	1000
147	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 a) LUMINAIRE MAKE : Phillips /Lighting Technologies(LT) / GE-Venture / Crompton / Wipro /Bajaj / Havells / VIN /Halonix/Jaquar b) LED MAKE :Bridge Lux / LUMILEDS / CREE / NICHIA / Epistar.		
	a	18W	1 No	4100
	b	24W	1 No	4800
148	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: Makes:HPL/Surya / Fortune Art / Syska /GreenLites / Pharox /Stanjo/lb LED/Promtec/Eveready.. b) LED MAKE : Bridge Lux/ CREE / NICHIA / Epistar		
	a	18W	1 No	3800
	b	24W	1 No	4650
		LED BATTENS AND 2' x 2' LUMINARIES		
149	ELEC-3.8.13	Supply and fixing of 18W/20W, 1200mm 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: Wipro / Phillips /Lighting Technologies(LT) / GE-Venture / Crompton / Bajaj / VIN /Halonix/Jaquar/HPL/Havells/GM b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1 No	850

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
150	ELEC-3.8.14	Supply and fixing of 18W/20W, 1200mm 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: Makes: Surya / Pharox/ C&S / Greenlites / Fortune Art / Capart / Ib LED/Promtec/Eveready / Goldmedal / Syska /Stanjo/ Enrich/Oppl b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an	1 No	750
151	ELEC-3.8.15	Supply and fixing of 18W/20W, 1200mm 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: Prolite / Pasolite/Slieger/Koncept/Vibrant b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an	1 No	600
152	ELEC-3.8.16	Supply and fixing of 20W, T8,1200mm length LED retrofit tube light, 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: Wipro / Phillips / GE-Venture / Crompton / Bajaj /Halonix/Jaquar/HPL b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	1 No	750
153	ELEC-3.8.17	Supply and fixing of 20W, T8,1200mm length LED retrofit tube light, 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: VIN/Surya / Pharox /Greenlites/ Fortune Art / Capart / GM / Goldmedal / Syska / Cosmo / Sieger/Ib LED/Promtec/Eveready/Stanjo/Enrich/Oppl b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT/ San'an	1 No	650
154	ELEC-3.8.18	Supply of 1200 mm 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: Phillips / Crompton / Bajaj/Surya/Havells/HPL	1 No	290
155	ELEC-3.8.19	Supply of 1200 mm 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: Greenlites / Fortune Art / Capart / GM / Goldmedal /Trinic/Kiran.	1 No	250

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
156	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 \geq 3200lm operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of > 120 lumens / watt, CCT: 3000K - 5700K, minimum CRI>70, .etc.,, complete. a) LUMINAIRE MAKE : Phillips /Lighting Technologies(LT) / GE-Venture / Crompton / Wipro / Bajaj / Havells / VIN /Halonix/Jaquar/HPL b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.		
	a	36 W	1 No	3600
	b	45 W	1 No	3900
157	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 > 120 lumens/watt, junction temperature less than 85 degrees centigrade and THD is less than 10% etc., complete Makes: Surya / Pharox / Greenlites / Fortune Art / Capart / GM / Goldmedal / Syska / Cosmo / Ib LED/Promtec/Eveready/Sieger/Vibrant/Enrich/Stanjo/ Oppl b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / EVERLIGHT.		
	a	36 W	1 No	3400
	b	45 W	1 No	3700
	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 : Philips/Bajaj / Crompton / Surya / Havells / Greenlites/ Insta Power/HPL /Halonix.	1 No	1100
		LED STREET LIGHTS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
158	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 > 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, external Surge protection 10 KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : Wipro / Philips (Green line) / GE-Venture / Crompton(Hawk) / Bajaj (Edge+) / Halonix(Lumos - Super) / Havells (Endura Pearl) /Capart(Premium)/Keselec/HPL/Jaquar b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG		
	a	20W	1 No	2200
	b	30W	1 No	3400
	c	45W	1 No	5200
	d	60W	1 No	6700
159	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, external Surge protection 10 KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete . a) Luminaire Make : Wipro / Philips (Greenline Extra) / GE-Venture / Crompton(Hawk-II) / Bajaj (Edge+) / Halonix (Modular/ Lumos-Super) / Havells (Endura City liner Neo) /Capart(Premium) /Keselec / HPL/Jaquar b) LED MAKE :PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG.		
	a	90W	1 No	11500
	b	120W	1 No	13500
	c	150W	1 No	15500
	d	180W	1 No	17500
	e	210W	1 No	21500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
160	ELEC-3.8.25	Supply and transportation ofLED 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, external Surge protection ≥ 10KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete, a) LUMINAIRE Makes: Surya / Fortune Art / Syska / VIN / GM / GreenLites /C&S/ Gold Medal /Pharox / Cosmo / Enrich / Renesola / Stanjo / Goldwyn/ Ib LED/Promtec/Eveready b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / LG.		
	a	20W	1 No	2100
	b	30W	1 No	3200
	c	45W	1 No	4900
	d	60W	1 No	6300
	e	90W	1 No	11000
	f	120W	1 No	12500
	g	150W	1 No	14000
	h	180W	1 No	16000
	i	210W	1 No	19500
161	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 Ingress protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, external 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 a) LUMINAIRE Makes : Trinic / Pasolite / Prolite / Sieger/Koncept/Vibrant b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / LG.		
	a	20W	1 No	1950
	b	30W	1 No	3000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	c	45W	1 No	4500
	d	60W	1 No	5900
	e	90W	1 No	9400
	f	120W	1 No	10500
		FLOOD LIGHTS		
162	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 Ingress protection IP66, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), IK05, Driver surge protection 4KV, external 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 a) LUMINAIRE MAKE : Wipro / Philips/ GE-Venture / Crompton/ Bajaj / VIN / Havells/Capart(Premium) /Halonix/Keselec/HPL/Jaquar b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.		
	a	50/60W	1 No	6500
	b	90/100W	1 No	11500
	c	120W	1 No	14900
	d	150W	1 No	17500
	e	200W	1 No	21000
	f	250W	1 No	24500
	g	300 W	1 No	29000
	h	400W	1 No	33500
163	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, external 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 a) LUMINAIRE Makes: Surya / Pharox / Greenlites / Fortune Art / GM / Goldmedal / Syska / C&S/Cosmo/ Ib LED/Promtec/ Eveready/ Vibrant/ Stanjo/Enrich b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG / LG		
	a	50/60W	1 No	5800

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	90/100W	1 No	10500
	c	120W	1 No	13500
	d	150W	1 No	16000
	e	200W	1 No	19000
	f	250W	1 No	23000
	g	300 W	1 No	27000
		400 W	1 No	32000
		HIGH BAY LIGHTS		
164	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 lumens/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingress protection IP66, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : Wipro / Philips/ GE / Lighting Technologies(LT) / Crompton/ Bajaj / VIN / Havells/Capart(Premium)/Halonix/Jaquar/Keselec/HPL b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG .		
	a	60W	1 No	8500
	b	90W	1 No	11000
	c	120W	1 No	12500
	d	150W	1 No	14500
165	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 lumens/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingress protection IP65, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE Makes: Surya / Pharox / Greenlites / Fortune Art / Syska / Cosmo /C&S/Ib LED/Promtec/ Eveready/Stanjo/Vibrant/Enrich b) LED MAKE : CREE / NICHIA / OSRAM / SAMSUNG.		
	a	60W	1 No	8000
	b	90W	1 No	9800
	c	120W	1 No	11500
	d	150W	1 No	13500
		LED DRIVERS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
166	ELEC-3.8.31	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: Philips /Crompton / Bajaj/ Havells/Surya/Greenlites/HPL/Halonix/Jaquar/lb LED/Promtec/Eveready		
	a	6/9 W	1 No	225
	b	12/15/18/20 W	1 No	325
	c	36 W	1 No	475
	d	40/45 W	1 No	575
167	ELEC-3.8.32	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: Philips /Crompton / Bajaj/ Havells/Surya/Greenlites/HPL/Halonix/Jaquar/lb LED/ Promtec/Eveready/Stanjo		
	a	15-30 W	1 No	350
	b	45-90 W	1 No	800
	c	120-180 W	1 No	1400
		SECTION - 4		
	4.1	U.G. CABLES		
168	ELEC-4.1.1	Supply and transportation of following XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I)/1554-I		
		Makes: Torent / Universal / Unicab / Havells / KEI / Gloster / Polycab		
	a	4 sqmm X2 core	1 RM	90
	b	6 sqmm X2 core	1 RM	105
	c	10 sqmm X2 core	1 RM	125
	d	6 SqmmX 4 core	1 RM	125
	e	10SqmmX 4 core	1 RM	140
	f	16 SqmmX 4 core	1 RM	155
	g	25 SqmmX 3.5 core	1 RM	200
	h	35SqmmX 3.5 core	1 RM	235
	i	50 SqmmX 3.5 core	1 RM	310
	j	70 SqmmX 3.5 core	1 RM	400
	k	95 SqmmX 3.5 core	1 RM	510
	l	120 SqmmX 3.5 core	1 RM	615
	m	150 SqmmX 3.5 core	1 RM	720
	n	185 SqmmX 3.5 core	1 RM	875

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	o	240 SqmmX 3.5 core	1 RM	1100
	p	300SqmmX 3.5 core	1 RM	1330
	q	400SqmmX 3.5 core	1 RM	1700
169	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: RPG / Finolex / Finecab / Paragon / V-Guard / Fortune Art / Suncab / Delton / Payal / Gemscab/ Orbit/Avocab.		
	a	4 sqmm X2 core	1 RM	75
	b	6 sqmm X2 core	1 RM	85
	c	10 sqmm X2 core	1 RM	105
	d	6 SqmmX 4 core	1 RM	105
	e	10SqmmX 4 core	1 RM	120
	f	16 SqmmX 4 core	1 RM	135
	g	25 SqmmX 3.5 core	1 RM	170
	h	35SqmmX 3.5 core	1 RM	200
	i	50 SqmmX 3.5 core	1 RM	265
	j	70 SqmmX 3.5 core	1 RM	340
	k	95 SqmmX 3.5 core	1 RM	445
	l	120 SqmmX 3.5 core	1 RM	550
	m	150 SqmmX 3.5 core	1 RM	630
	n	185 SqmmX 3.5 core	1 RM	750
	o	240 SqmmX 3.5 core	1 RM	950
	p	300SqmmX 3.5 core	1 RM	1150
	q	400SqmmX 3.5 core	1 RM	1520
170	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 Make: Torrent / Universal / Unicab / Havells / KEI		
	a	3C X 95 Sqmm	1 RM	1400
	b	3C X 120 Sqmm	1 RM	1550
	c	3C X 150 Sqmm	1 RM	1700
	d	3C X 185 Sqmm	1 RM	1850
	e	3C X 240 Sqmm	1 RM	2150
	f	3C X 300 Sqmm	1 RM	2350

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	g	3C X 400 Sqmm	1 RM	2700
171	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 Make: Torrent / Universal / Unicab / Havells / KEI /Polycab/Gloster		
	a	3C X 35 Sqmm	1 RM	575
	b	3C X 50 Sqmm	1 RM	650
	c	3C X 70 Sqmm	1 RM	750
	d	3C X 95 Sqmm	1 RM	890
	e	3C X 120 Sqmm	1 RM	1000
	f	3C X 150 Sqmm	1 RM	1150
	g	3C X 185 Sqmm	1 RM	1350
	h	3C X 240 Sqmm	1 RM	1550
	i	3C X 300 Sqmm	1 RM	1750
	j	3C X 400 Sqmm	1 RM	2200
172	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 Make: Torrent / Universal / Unicab / Havells / KEI /Polycab/Gloster/orbit		
	a	2C x 1.5 sq.mm	1 RM	85
	b	3C x 1.5 sq.mm	1 RM	90
	c	4C x 1.5 sq.mm	1 RM	105
	d	5C x 1.5 sq.mm	1 RM	110
	e	6C x 1.5 sq.mm	1 RM	125
	f	8C x 1.5 sq.mm	1 RM	145
	g	10C x 1.5 sq.mm	1 RM	180
	h	12C x 1.5 sq.mm	1 RM	200
	i	14C x 1.5 sq.mm	1 RM	225
	j	19C x 1.5 sq.mm	1 RM	282
	k	2C x 2.5 sq.mm	1 RM	95
	l	3C x 2.5 sq.mm	1 RM	110
	m	4C x 2.5 sq.mm	1 RM	130
	n	5C x 2.5 sq.mm	1 RM	145
	o	6C x 2.5 sq.mm	1 RM	200
	p	8C x 2.5 sq.mm	1 RM	240

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	q	10C x 2.5 sq.mm	1 RM	275
	r	12C x 2.5 sq.mm	1 RM	310
	s	14C x 2.5 sq.mm	1 RM	350
	t	19C x 2.5 sq.mm	1 RM	406
173	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 Make: Torrent / Universal / Unicab / Havells / KEI / Polycab/Gloster/Orbit/Avocab		
	a	2Cx1.5 sq.mm	1 RM	90
	b	2Cx2.5 sq.mm	1 RM	95
	c	2C x 4 sq.mm	1 RM	120
	d	2C x 6 sq.mm	1 RM	170
	e	2C x 10 sq.mm	1 RM	240
	f	2C x 16 sq.mm	1 RM	330
	g	3C x 4 sq.mm	1 RM	150
	h	3C x 6 sq.mm	1 RM	200
	i	3C x 10 sq.mm	1 RM	250
	j	3C x 16 sq.mm	1 RM	350
	k	4C x 4 sq.mm	1 RM	210
	l	4C x 6 sq.mm	1 RM	300
	m	4C x 10 sq.mm	1 RM	450
	n	4C x 16 sq.mm	1 RM	750
	o	4C x 25 sq.mm	1 RM	1200
	p	4C x 35 sq.mm	1 RM	1600
	q	4C x 50 sq.mm	1 RM	2300
	r	4C x 70 sq.mm	1 RM	3500
		CABLE TERMINATIONS AND ACCESSORIES		
174	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, prepration of cable ends, testing etc. as required of following sizes. Makes: Raychem /M seal/ Denson/ Multy/ Transeal-Hongshang		
		INDOOR		
	a	3 Core 95/120/150/185 sq mm	Set	11500
	b	3 core 240/300/400 sqmm	Set	16000
		OUTDOOR		
	c	3 Core 95/120/150/185 sq mm	Set	16000
	d	3 core 240/300/400 sqmm	Set	22500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		STRAIGHT THROUGH		
	e	3 Core 95/120/150/185 sq mm	Set	32500
	f	3 core 240/300/400 sqmm	Set	47500
175	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, preperation of cable ends, testing etc. as required of following sizes. Makes: Raychem /M seal/ Denson/ Multy/ Transeal- Hongshang		
		INDOOR		
	a	3 core 35/50 sqmm	Set	5000
	b	3 core 70/95 sqmm	Set	7500
	c	3 core 120/150/185 sqmm	Set	8500
	d	3 core 240/300 sqmm	Set	8900
	e	3 core 400/500 sqmm	Set	9400
		OUTDOOR		
	f	3 core 35/50 sqmm	Set	8500
	g	3 core 70/95 sqmm	Set	10500
	h	3 core 120/150/185 sqmm	Set	11500
	i	3 core 240/300 sqmm	Set	12500
	j	3 core400/500 sqmm	Set	14000
		STRAIGHT THROUGH		
	k	3 core 35/50 sqmm	Set	13500
	l	3 core 70/95 sqmm	Set	16000
	m	3 core 120/150/185 sqmm	Set	18500
	n	3 core 240/300 sqmm	Set	20000
176	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: Raychem /M seal/ Denson/ Multy/ Transeal- Hongshang		
	a	3.5core x 25/35/50 sq.mm	Set	1500
	b	3.5 corex 70/95/120 sq.mm	Set	2400
	c	3.5 corex 150/185/240 sq.mm	Set	3500
	d	3.5core x 300/400 sq.mm	Set	5500
	e	4 corex 6/10/16 sq.mm	Set	800

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
177	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:Dowels/Comet/SMI		
	a	3.5core x 25 sq.mm	Set	225
	b	3.5core x 35 sq.mm	Set	300
	c	3.5 corex 50 sq.mm	Set	350
	d	3.5core x 70 sq.mm	Set	520
	e	3.5core x 95 sq.mm	Set	595
	f	3.5core x 120 sq.mm	Set	750
	g	3.5core x 150 sq.mm	Set	900
	h	3.5core x 185 sq.mm	Set	1000
	i	3.5core x 240sq.mm	Set	1500
	j	3.5core x 300 sq.mm	Set	1800
	k	3.5core x 400 sq.mm	Set	2400
	l	4 core x 6/10/16 sq.mm	Set	230
178	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:Dowels/Comet/SMI		
	a	2 coreX4/6/10 sqmm	Set	65
	b	4 coreX6/10/16 Sqmm	Set	85
	c	3.5 coreX25 Sqmm	Set	100
	d	3.5 coreX 35Sqmm	Set	150
	e	3.5 coreX50 Sqmm	Set	160
	f	3.5 coreX70 Sqmm	Set	175
	g	3.5 coreX95 Sqmm	Set	210
	h	3.5 coreX120 Sqmm	Set	250
	i	3.5 coreX150 Sqmm	Set	450
	j	3.5 coreX185 Sqmm	Set	550
	k	3.5 coreX240 Sqmm	Set	650
	l	3.5 coreX300Sqmm	Set	900
	m	3.5 coreX400Sqmm	Set	1200

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
180	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:Dowels/Jainson/Comet		
	a	up to 16 sqmm	each	20
	b	25 Sqmm	each	27
	c	35Sqmm	each	30
	d	50 Sqmm	each	45
	e	70 Sqmm	each	68
	f	95 Sqmm	each	88
181	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:Dowels/Jainson/Comet		
	a	up to 16 sqmm	each	10
	b	25 Sqmm	each	15
	c	35Sqmm	each	20
	d	50 Sqmm	each	25
	e	70 Sqmm	each	30
	f	95 Sqmm	each	35
	g	120 Sqmm	each	40
	h	150 Sqmm	each	45
	i	185 Sqmm	each	55
	j	240 Sqmm	each	80
	k	300 Sqmm	each	100
	l	400 Sqmm	each	170
	4.2	CABLE TRAYS		
182	ELEC-4.2.1	Supply,transporatation & 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)		
	a	100mm x 50mm x 1.6mm	1 RM	265
	b	150mm x 50mm x 1.6mm	1 RM	310
	c	300mm x 50mm x 1.6mm	1 RM	570
	d	450mm x 50mm x 2.0mm	1 RM	830
	e	600mm x 50mm x 2.0mm	1 RM	950
	f	300mm x 62.5mm x 2.0mm	1 RM	685
	g	450mm x 62.5mm x 2.0mm	1 RM	920

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	h	600mm x 62.5mm x 2.0mm	1 RM	1140
	i	750mm x 62.5mm x 2.0mm	1 RM	1350
	j	900mm x 62.5mm x 2.0mm	1 RM	1600
	k	600mm x 75mm x 2.0mm	1 RM	1270
	l	750mm x 75mm x 2.0mm	1 RM	1400
	m	900mm x 75mm x 2.0mm	1 RM	1650
183	ELEC-4.2.2	Supply,transporatation & 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		
	a	150mm x 50mm x 2.0mm	1 RM	390
	b	300mm x 50mm x 2.0mm	1 RM	490
	c	450mm x 50mm x 2.0mm	1 RM	650
	d	600mm x 75mm x 2.0mm	1 RM	800
	e	750mm x 75mm x 2.0mm	1 RM	850
	f	900mm x 75mm x 2.0mm	1 RM	900
	4.3	DOUBLE WALLED CORRUGATED HDPE PIPE		
184	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:DURA LINE (Dura Guard) or its equivalent make.		
	a	Outer dia 50mm and Inner dia 38mm	1 RM	90
	b	Outer dia 63mm and Inner dia 51mm	1 RM	115
	c	Outer dia 78mm and Inner dia 63mm	1 RM	140
	d	Outer dia 90mm and Inner dia 76mm	1 RM	150
	e	Outer dia 120mm and Inner dia 103.5mm	1 RM	235
	f	Outer dia 160 mm and Inner dia 136 mm	1 RM	350
	g	Outer dia 180 mm and Inner dia 152 mm	1 RM	460
	h	Outer dia 200 mm and Inner dia 170 mm	1 RM	545
		SECTION - 5		
	5.1	FANS		
185	ELEC-5.1.1	Supply of 48" (1200mm) Sweep ISI mark Ceiling Fan as per IS 374 - 1979 and, with double ball bearings, power input not more than 50W , air delivery more than 200 cubic meter/min but without Regulator. Makes : Crompton / Bajaj Kassels 50 / Usha atom	1 No	1750
186	ELEC-5.1.2	Supply of 48" (1200mm) Sweep 5 Star rated Ceiling Fan, with double ball bearings without Regulator. Makes: Crompton HS Decora / Bajaj Regal Star / Havells ES Plus / Orient summer crown / Usha technix decorative	1 No	2300

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
187	ELEC-5.1.3	Supply of 56" (1400mm) Sweep Ceiling Fan as per IS 374 - 1979 and, with double ball bearings but without Regulator. Makes: Crompton High Speed /Havells Velocity/ Bajaj Kassels 50	1 No	1975
188	ELEC-5.1.4	Supply of 56" (1400mm) Sweep 5 Star rated Ceiling Fan without Regulator Makes: Crompton High Speed/ Bajaj Elegance Star / Havells.	1 No	2400
189	ELEC-5.1.5	Supply of 16" (400mm) Wall mounted Fan. Makes: Crompton SDX Gold / Bajaj Elite / Havells Swing Premia gold / Usha / Orient Wall 43.	1 No	2500
190	ELEC-5.1.6	Supply of 16" (400mm) Pedestal Fan. Makes: Crompton SDX Gold / Bajaj Spectrum / Havells Swing Remote / Usha / Orient.	1 No	2700
191	ELEC-5.1.7	Supply of 18" (450mm) Wall mounting / Pedestal Air Circulators. Makes: Crompton / Havells Turbo Force / Orient / Almounard.	1 No	5400
192	ELEC-5.1.8	Supply of 24" (600mm) Wall mounting / Pedestal Air Circulators. Makes: Crompton / Havells Turbo Force / Almounard.	1 No	6400
193	ELEC-5.1.9	Supply of 12" (300mm) Cabin fan. Makes: Crompton / Havells ciera / Orient AP12.	1 No	1700
194	ELEC-5.1.10	Supply of 12" (300mm) Light duty exhaust fan with metallic blades and wire guard etc complete. Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air	1 No	1350
195	ELEC-5.1.11	Supply of 9" (225mm), Light duty exhaust fan with double ball bearing and wire guard etc complete. Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DS / Orient hill air	1 No	1225
196	ELEC-5.1.12	Supply of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force.	1 No	2750
197	ELEC-5.1.13	Supply of 15" (375mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force	1 No	3200
198	ELEC-5.1.14	Supply of 18" (450mm) ISI, 900 RPM Heavy duty exhaust fan with metallic blades with Mark. Makes: Crompton / Almounard / Havells Turbo Force	1 No	4100
	5.2	WATER HEATERS (Conventional & Solar)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
199	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: Crompton model No. solarium plus SWH 725, Class 1 rated or its equivalent make of Bajaj / Venus / Racold / Usha / V-Guard / Havells./Jaquar/Essco		
	a	15 Ltrs	1 No	8950
	b	25 Ltrs	1 No	10500
200	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. Make:TATA / BHEL/ BOSCH/ ETC/V-GUARD /RACOLD		
	a	250 LPD	1 No	48400
	b	375LPD	1 No	67000
	c	500 LPD	1 No	76000
	d	1000 LPD	1 No	148000
201	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. Make:TATA / BHEL/ BOSCH/ ETC/V-GUARD /RACOLD		
	a	250 LPD	1 No	52000
	b	375 LPD	1 No	72000
	c	500 LPD	1 No	83500
	d	1000 LPD	1 No	165000
		HEAT PUMP		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
202	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. Make:Jaquar/AO Smith/Voltex/Racold /Rheem		
	a	200 Ltr	1 No	109200
	b	300 Ltr	1 No	138600
203	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 ofcapacity 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., completeMake:Jaquar/AO Smith/Voltex/Racold /Rheem		
	a	400 Ltr	1 No	134500
	b	500 Ltr	1 No	164640
	5.3	ACCESSORIES FOR WATER HEATERS		
204	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.Makes:		
	a	11" stem thermostat	1 No	190
	b	7" stem thermostat	1 No	170
205	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	225
206	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		
	a	3.0 KW	1 No	650
	b	2.0 KW	1 No	620
207	ELEC-5.3.4	Supply and fixing of twin ceramic catridge, shock and hard water proof heating element including making connecton testing etc as required		
	a	3.0 KW	1 No	750
	b	2.0 KW	1 No	650

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
208	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.		
	a	15 Ltr. To 50 Ltr. Capacity SWH	1 No	1400
209	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	250
210	ELEC-5.3.6	Charges for brass welding of inner copper tank for storage water heater including opening, refixing, testing etc. as required	job	400
211	ELEC-5.3.7	Charges for descaling of storage water heater including required chemical, opening, refixing, testing as complete	job	300
212	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	650
	5.4	PUMPSETS		
		SINGLE PHASE SUBMERSIBLE MOTOR PUMP SETS		
213	ELEC-5.4.1	Supply and Transportation of5star 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: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ PSG/Aryen Varsha		
	a	0.75HP 8 Stage	1 No	14150
	b	1.00HP 10 Stage	1 No	16200
	c	1.00HP 15 Stage	1 No	16700
	d	1.50HP 21 Stage	1 No	20250
	e	2.00HP 25 Stage	1 No	24300
	f			
214	ELEC-5.4.2	Supply and Transportation of5star 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: Plugra / Sterling / Falcon / Kumar / Unnati zen/Duke/Lada/Ellen/Suguna/UNIttek/KSP		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	0.75HP 8 Stage	1 No	12700
	b	1.00HP 10 Stage	1 No	14500
	c	1.00HP 15 Stage	1 No	15000
	d	1.50HP 21 Stage	1 No	18200
	e	2.00HP 25 Stage	1 No	21850
	f			
		THREE PHASE SUBMERSIBLE MOTOR PUMP SETS.		
215	ELEC-5.4.3	Supply and Transportation of5star 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: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ PSG/Aryen Varsha		
	a	3.00HP 15Stage	1 No	19700
	b	4.00HP 20Stage	1 No	23000
	c	5.00HP 25Stage	1 No	27200
216	ELEC-5.4.4	Supply and Transportation of5star 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: Plugra / U-Neel / Sterling / Falcon / Kumar / Unnati zen/Duke/Lada/Ellen/Suguna/UNIttek/KSP		
	a	3.00HP 15Stage	1 No	18500
	b	4.00HP 20Stage	1 No	21600
	c	5.00HP 25Stage	1 No	25600
217	ELEC-5.4.5	Supply and Transportation of5star 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: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ PSG/Aryen Varsha		
	a	3.00HP 5-10 Stage	1 No	30000
	b	5.00HP, 5-10Stage	1 No	33750
	c	5.00HP, 12-16 Stage	1 No	38500
	d	7.50HP, 5-10 Stage	1 No	37900

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	e	7.50HP, 12-16 Stage	1 No	42000
	f	7.50HP, 20-24 Stage	1 No	43000
	g	10HP, 5-10 Stage	1 No	44500
	h	10HP, 12-16 Stage	1 No	46000
	i	10HP, 20-24 Stage	1 No	52000
	j	12.5HP, 8-12 Stage	1 No	46000
	k	12.5HP, 16-24 Stage	1 No	54000
	l	15HP, 8-12 Stage	1 No	57900
	m	15HP, 16-24 Stage	1 No	59800
	n	20HP 10-20 Stage	1 No	69500
	o	20HP 30-40 Stage	1 No	72500
218	ELEC-5.4.6	Supply and Transportation of5star 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: Plugra / U-Neel / Sterling / Falcon / Kumar / Unnati zen/Duke/Lada/Ellen/Suguna/UNItex/KSP		
	a	3.00HP 5-10 Stage	1 No	27000
	b	5.00HP, 5-10 Stage	1 No	30300
	c	5.00HP, 12-16 Stage	1 No	34650
	d	7.50HP, 5-10 Stage	1 No	34100
	e	7.50HP, 12-16 Stage	1 No	37800
	f	7.50HP, 20-24 Stage	1 No	38700
	g	10HP, 5-10 Stage	1 No	40000
	h	10HP, 12-16 Stage	1 No	41500
	i	10HP, 20-24 Stage	1 No	46800
	j	12.5HP, 8-12 Stage	1 No	41500
	k	12.5HP, 16-24 Stage	1 No	48600
	l	15HP, 8-12 Stage	1 No	52100
	m	15HP, 16-24 Stage	1 No	53800
	n	20HP 10-20 Stage	1 No	62500
	o	20HP 30-40 Stage	1 No	65200
		SINGLE PHASE OPEN WELL SUBMERSIBLE MOTOR PUMP SETS		
219	ELEC-5.4.7	Supply and Transportation ofSingle phase open well submersible motor pumpset confirms to IS 14220 : 1994. Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/PSG/ Aryen Varsha		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	1.00HP	1 No	11200
	b	1.50HP	1 No	12600
	c	3.00HP	1 No	17200
220	ELEC-5.4.8	Supply and Transportation ofSingle phase open well ISI submersible motor pumpset confirms to IS 14220 : 1994. Makes: Plugra / U-Neel / Sterling / Falcon / Kumar / Unnati zen/Duke/LDK/Ellen/Suguna/UNIttek/KSP		
	a	1.00HP	1 No	10500
	b	1.50HP	1 No	12000
	c	3.00HP	1 No	16350
		THREE PHASE OPEN WELL SUBMERSIBLE PUMP SETS		
221	ELEC-5.4.9	Supply and Transportation of Three phase open well ISI submersible motor pumpset confirms to IS 14220 : 1994. . Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi /PSG/ Aryen Varsha		
	a	3.00HP(65x50)	1 No	17200
	b	5.00HP(75x65)	1 No	21500
	c	7.50HP(100x75)	1 No	25500
	d	10.00HP(100x75)	1 No	32500
222	ELEC-5.4.10	Supply and Transportation of Three phase open well ISI submersible motor pumpset confirms to IS 14220 : 1994. . Makes: Plugra / U-Neel / Sterling / Falcon / Kumar / Unnati zen/Duke/LDK/Ellen/Suguna/UNIttek/KSP		
	a	3.00HP(65x50)	1 No	16500
	b	5.00HP(75x65)	1 No	20200
	c	7.50HP(100x75)	1 No	24000
	d	10.00HP(100x75)	1 No	31000
		SINGLE PHASE MONO BLOCK MOTOR PUMP SETS.		
223	ELEC-5.4.11	Supply and Transportation of Single phase Mono block CI body motor pumpset confirms to IS 9079:2002 Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi / Havells Hi-flow V2 / PSG/Aryen Varsha		
	a	0.5HP(25x25mm)	1 No	5000
	b	1.0HP (25x25mm)	1 No	7150
	c	1.5HP(32x25mm)	1 No	9600
224	ELEC-5.4.12	Supply and Transportation of Single phase Mono block CI body motor pumpset confirms to IS 9079:2002 Makes: Plugra / U-Neel / Sterling / Falcon / Kumar / Unnati zen/Ellen/LDK/Suguna/UNIttek		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	0.5HP(25x25mm)	1 No	4700
	b	1.0HP (25x25mm)	1 No	6800
	c	1.5HP(32x25mm)	1 No	9150
225	ELEC-5.4.13	Supply and Transportation of..... Three phase ISI self priming Mono block IP44 motor pumpset . Makes: Kirloskar / Crompton / Texmo / CRI / KSB/Lubi/ Aryen Varsha		
	a	2.00HP(40x40mm)	1 No	14200
	b	3.0HP (50x50mm)	1 No	19200
	c	5.00HP(80x80mm)	1 No	23200
226	ELEC-5.4.14	Supply and Transportation of..... Three phase ISI self priming Mono block IP44 motor pumpset . Makes: Plugra / U-Neel / Sterling / Falcon / Kumar / Unnati zen/Ellen/LDK/Suguna/UNItex		
	a	2.00HP(40x40mm)	1 No	13500
	b	3.0HP (50x50mm)	1 No	18300
	c	5.00HP(80x80mm)	1 No	22200
		CONTROL PANEL BOARD FOR MOTOR PUMPSETS		
227	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 make C&S/LTLK/Seimens/BCH/Crompton. complete.,	1 No	4500
228	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, starting and running capacitors, Voltmeter, Ammeter, indicator lamps, MCB , on/off switch including supply and fixing of DOL starter of make C&S/LTLK/Seimens/BCH/Crompton. complete.,	1 No	6000
229	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.		
		Voltmeter ; 0-500 V 96x96mm size. Makes: L&T / C&S / SALZAR / HPL/ AEI / Meco / Rishab - 1No		
		0 to 20 Amps / 0 50 Amps Ammeter (96x96mm size). Makes: L&T / C&S / SALZAR / HPL/ AEI / Meco / Rishab- 1No.		
		Single phase preventor of suitable range Makes: L&T / Minilec / Powertec. - 1No.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		32 A TP, 10KA MCB. Makes: Legrand / Schneider / - 1No		
		Indication lamps (R-Y-B) with switch control - 1set		
		Voltmeter & Ammeter selector switch - 2 Nos		
		Supply and fixing of ISI Mark suitable capacitor Makes: L&T / Siemens / Schneider / Epcos/Havells.		
230	a	Upto 7.5 HP with DOL Starter of. Make C&S.Crompton / L&T / Siemens/BCH.	1 No	8000
231	b	Delta Starter of Make C&S/Crompton / L&T / Siemens/BCH.	1 No	11500
232	c	Above 15 HP up to 20 HP with Automatic Star Delta Starter of Make C&S/Crompton / L&T / Siemens/BCH.	1 No	18500
233	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: Siemens / Crompton / L&T (MF1)		
	a	up to 3 HP	1 No	950
234	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: Siemens / Crompton / L&T (MK2 DOL).		
	a	up to 3 HP	1 No	1700
	b	5 to 7.5 HP	1 No	1900
	c	10 HP	1 No	2100
235	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: Siemens / Crompton / L&T (MU1 DOL)		
	a	12.50 to 15HP.	1 No	6800
	b	25HP to 30HP	1 No	11220
		UPVC PIPES AND FITTINGS		
236	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 : Ashirvad / Finolex / Waterflo /Sudhakar		
	a	42 / 32mm dia UPVC raising column pipe, with standing upto 20 Kgs / CM2 upto 200 Mts	1RM	130
	b	48 / 40mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts	1RM	160
	c	60/50 mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts	1RM	230
	d	75/65 mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts	1RM	310

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	e	88/80 mm UPVC pipe with standing upto 20 Kgs / CM2 upto 200 Mts	1RM	445
237	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	40
238	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	55
239	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	60
240	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	70
241	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	80
242	ELEC-5.4.27	Supply and Delivery of CI Adopter Assembly Makes : Ashirvad / Finolex / Waterflo		
	a	1/2" (48/40mm)	1NO	575
	b	2" (60/50mm)	1NO	760
	c	2 1/2" (75/65 mm)	1NO	980
243	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 : Ashirvad / Finolex / Waterflo / Apollo		
	a	1 1/2" (48/40mm)	1NO	360
	b	2" (60/50mm)	1NO	400
	c	2 1/2" (75/65 mm)	1NO	550
	d	3"(88/80 mm)	1NO	800
	5.5	AIR CONDITIONERS		
244	ELEC-5.5.1	Supply ofsplit AC unit with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 3 mts of copper piping, insulation kit and 4 mts of 3 core copper flexible cable including cordless remote control etc.		
		1.0TR Split ACs		
	a	1.0 TR 3 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes: Mitsubishi MS-GK13VA / O General ASGA12BMTA / Toshiba RAS13S3KS	1 No	32500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	1.0 TR 3 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes: Blue Star VCTU / Carrier Supiria / Hitachi / Daikin	1 No	28500
	c	1.0 TR 5 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes: Mitsubishi MS-GK13VA / O General / Toshiba RAS13S3KPS	1 No	36000
	d	1.0 TR 5 Star capable of delivering 12000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes: Blue Star 5HW12SBU / Carrier Supiria / Hitachi / Daikin	1 No	31500
		1.5TR Split ACs		
	e	1.5 TR 3 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A. Makes: Mitsubishi MS-H18VA / O General ASGA18FETA	1 No	40500
	f	1.5 TR 3 Star capable of delivering 18000 BTU / hr and above with operating on refrigerant R-32 / R-410A Makes: Toshiba RAS18S3KS / Blue Star VA or VC series / Daikin FTE-M or N Sereis / Hitachi / Voltas / Carrier Superia.	1 No	37500
	g	1.5 TR 5 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes: Mitsubishi MS-GK18VA / O General ASGA18FTTA	1 No	47500
	h	1.5 TR 5 Star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A Makes: Toshiba RAS18S3KPS / Daikin / Blue Star 5HW12SBU / Hitachi / Voltas / Carrier Superia.	1 No	43850
		2.0 TR Split ACs		
	i	2.0 TR 3 Star capable of delivering 24000 BTU/ hr and above with operating on refrigerant R-32 / R-410A Makes: Mitsubishi MS-HK24VA / O General ASGA24FETA	1 No	48500
	j	2.0 TR 3 Star capable of delivering 24000 BTU/ hr and above with operating on refrigerant R-32 / R-410A Makes: Toshiba RAS24S3KS / Hitachi / Blue Star / Daikin / Voltas / Carrier Superia.	1 No	44500
	k	2.0 TR 5 Star capable of delivering 24000 BTU/ hr and above with operating on refrigerant R-32 / R-410A Makes: Mitsubishi MS-GK24VA / O General ASG24FTTA	1 No	55000
	l	2.0 TR 5 Star capable of delivering 24000 BTU/ hr and above with operating on refrigerant R-32 / R-410A Makes: Toshiba RAS24S3KPS / Blue star 5HW24AAX1 / Hitachi / Daikin.	1 No	50200
		Inverter Split AC Unts (Cooling Only)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
245	ELEC-5.5.2	Supply ofINVERTER 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.		
		1.5, 1.8 & 2.0TR 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: Mitsubishi MS-JP18VF / O General	1 No	44000
	b	1.5 TR 3 star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A, Makes: Toshiba RASBACV / Blue Star OATU-CAFU series / Daikin / Hitachi	1 No	41500
	c	1.5 TR 5 star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A, Makes: Mitsubishi MS-GN18VF / O General ASGA18JCC	1 No	48000
	d	1.5 TR 5 star capable of delivering 18000 BTU/hr and above with operating on refrigerant R-32/ R-410A, Makes: Toshiba RAS18N3KCV / Blue Star PAFU-DAFU series / Daikin FTKC50NVM / Hitachi	1 No	46500
	e	2.0TR 3 star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes: Mitsubishi / O General /Toshiba	1 No	58000
	f	2.0 TR 3 Star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes: Blue star CAFU-OATU series / Hitachi / Daikin	1 No	55000
	g	2.0/2.2 TR 5 star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes: Mitsubishi MS-GN26VF / O General ASGA24JCC/Toshiba	1 No	68200
	h	2.0 TR 5 Star capable of delivering 24000 BTU/hr and above with operating on refrigerant R-410A / R-32 Makes: Blue star BAFU-DAFU series / Hitachi / Daikin	1 No	61000
		INVERTER CASSETTE TYPE AC UNITS		
246	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.		
	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: Mitsubishi PLY-SP18BA / Toshiba RAV-SE561UP / O General.	1 No	73000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	2.0TR 4 star Single Phase capable of delivering 24000 BTU / hr and above with operating on refrigerant R-32 / R-410A, Makes: Mitsubishi PLY-SP24BA / O General / Toshiba	1 No	79000
	c	2.0TR 4 star Single Phase capable of delivering 24000 BTU / hr and above with operating on refrigerant R-32 / R-410A Makes: Blue Star/ Daikin / Carrier.	1 No	75000
	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: Mitsubishi PLY-SP42BA / O General	1 No	135500
	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: Daikin / Bluestar / Carrier	1 No	120000
	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: Mitsubishi PLY-SP48BA / O General / Toshiba RAV-SE1251UP	1 No	138000
	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: Blue Star / Carrier / Daikin	1 No	129000
		TOWER MODEL (Vertical) TYPE AC UNITS		
247	ELEC-5.5.36	Supply of Slim line / Tower Model/Verticool typesplit AC unit with indoor unit and floor mounted outdoor condensing unit Hermetically sealed Scroll compressor suitable for operation on AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units etc complete with cordless remote control		
	a	3.3TR Three Phase capable of delivering 39600 BTU/hr and above with operating on refrigerant R-32/R-410 Makes: Carrier /Daikin / Blue Star	1 No	87000
	b	3.8TR Three Phase capable of delivering 45600BTU/hr and above with operating on refrigerant R-32/R-410 Makes: Carrier /Daikin / Blue Star	1 No	92000
	c	4.6TR Three Phase capable of delivering 55200 BTU/hr and above with operating on refrigerant R-32/R-410 Makes: Carrier /Daikin / Blue Star	1 No	97500
	5.6	HVAC SYSTEMS(VRV/VRF)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
248	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: Mitsubishi /DAIKIN/Toshiba		
		Type of Compressor : Hermitic 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.		
	a	6 HP	1 No	145000
	b	8 HP	1 No	158000
	c	10 HP	1 No	196000
	d	12 HP	1 No	220000
	e	14 HP	1 No	249000
	f	16 HP	1 No	284000
	g	18 HP	1 No	312000
	h	20 HP	1 No	343000
249	ELEC-5.6.2	Supply and Installation of Ref Nets for double ODU connections		4800
250	ELEC-5.6.3	Supply and Installation of Ref Nets for Triple ODU connections		9200
251	ELEC-5.6.4	Supply and Installation of Multi Connection Joint / Ref Nets for IDUs		4200
252	ELEC-5.6.5	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: Mitsubishi /DAIKIN/Toshiba		
		Type Of Units :Hi Wall type units	1 No	
	a	1.0 TR	1 No	27500
	b	1.6 TR	1 No	30000
	c	2.0 TR	1 No	31000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
253	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: Mitsubishi /DAIKIN/Toshiba		
		Type Of Units :Roundflow Cassette units		
	a	1.0 TR	1 No	36600
	b	1.5/1.6 TR	1 No	41000
	c	2.0 TR	1 No	42000
	d	2.6 TR	1 No	46000
	e	3.2 TR	1 No	47000
	f	4.0 TR	1 No	48000
	g	4.5 TR	1 No	50300
254	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: Mitsubishi /DAIKIN/Toshiba		
		Type Of Units :High Static Duct Units		
	a	3.2 TR	1 No	50300
	b	4.0 TR	1 No	52800
	c	4.5 TR	1 No	62500
	d	5.5 TR	1 No	84200
	e	6.3 TR	1 No	88700
	f	8.0 TR	1 No	93500
255	ELEC-5.6.8	Supply, Installation, Testing & Commissioning Simple wireless remote controller to control the IDUs with Machine coding, ON-OFF & Temp. setting of individual IDU and group of IDU.		1400
256	ELEC-5.6.9	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: Mitsubishi /DAIKIN/Toshiba		
		Type of Units : Ductable TFA Units		
	a	4TR	1 No	82650
	b	6TR	1 No	99600
	c	8TR	1 No	105000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
257	ELEC-5.6.10	Lifting, shifting, positioning, Installation and testing of the ODU's including all accessories with Vibration Isolators for ODU's etc., complete		
	a	6 to 8 HP	1 No	7000
	b	10 to 12 HP	1 No	10000
	c	14 to 20 HP	1 No	12000
258	ELEC-5.6.11	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	
	a	1.0 TR to 2.0 TR	1 No	1200
259	ELEC-5.6.12	Lifting Shifting, Positioning ,Installation Testing and commissioning of the following indoor units with including all required accessoires etc complete.,		
		Type Of Units :Round Flow Cassette units		
	a	1.0 TR to 2.0 TR	1 No	1500
	b	2.6 TR to 4.5 TR	1 No	2500
260	ELEC-5.6.13	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		
	a	3.2 TR to 4.5 TR	1 No	3000
	b	5.5 TR to 8.0 TR	1 No	4500
261	ELEC-5.6.14	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		
	a	4 TR to 8 TR	1 No	4500
		Refrigerant Piping		
262	ELEC-5.6.15	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:Totaline/Mandav/Mexico		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		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		
	a	34.9 mm dia		1150
	b	28.6 mm dia	Rmt	1050
	c	22.2 mm dia	Rmt	950
	d	19.1 mm dia	Rmt	850
	e	15.9 mm dia	Rmt	750
	f	12.7 mm dia	Rmt	650
	g	9.5 mm dia	Rmt	480
	h	6.4 mm dia	Rmt	420
263	ELEC-5.6.16	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.		
	a	25 mm dia	Rmt	150
	b	32 mm dia	Rmt	180
	c	40mm dia	Rmt	220
	d	50 mm dia	Rmt	260
		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	
264	ELEC-5.6.17	Supply and transportation of R 410A Gas for the system.	kg	1050
265	ELEC-5.6.18	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	1250
266	ELEC-5.6.19	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	74000
267	ELEC-5.6.20	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:TATA/Jindal		
	a	24 G	sqm	825

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	22 G	sqm	925
	c	20 G	sqm	1100
	d	18 G	sqm	1200
		Thermal Insulation		
268	ELEC-5.6.21	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	580
		Accoustic Insulation		
269	ELEC-5.6.22	Supply & Fixing of Duct Accoustic Insulation applied inside of the duct work with All. backed Open cell nitrile/ Cross linked foam duly fixed with adhesive and tapes		
	a	25mm Thick	sqm	750
270	ELEC-5.6.23	Supply, Installation, Testing and commissioning of extruded Aluminum powder coated grills/ diffusers for supply with removable core type with collar damper	sqm	8500
271	ELEC-5.6.24	Supply, Installation, Testing and commissioning of extruded Aluminum powder coated grills/ diffusers for retron with removable core type without collar damper	sqm	6200
272	ELEC-5.6.25	Supply , Erection and Testing of GI Opposed blade Volume control dampers made out of 18G frame and 20G blades	sqm	5400
273	ELEC-5.6.26	Supply , Erection of Fresh air louver with extruded aluminium grill with SS wire mesh and GI volume control damper with 20 micron filters	sqm	4300
274	ELEC-5.6.27	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	650
275	ELEC-5.6.28	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	6500
276	ELEC-5.6.29	Supply and Installation of GI backdraft dampers as per UL 555 Standard,	sqm	3000
277	ELEC-5.6.30	Supply, installation and testing of Canvas connection for the Treated Fresh Air units to the duct	each	2200
	5.7	EVAPORATIVE AIR COOLING SYSTEM		
278	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 polypropylenematerial, blower water pump of 40W, single phase 1.20 KW motor axial type fan with variable speed, 20 micron filtration, noise levelless than 78 dBA with auto cleaning, humidity control and water lack protection etccomplete. Makes: Cool Breeze / Breeze Air	1 No	105000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
279	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: Cool Breeze /Breeze Air	1 No	180000
280	ELEC-5.7.3	Supply and fixing of 12mm thick Nitrile insulation for out door unit.	1 sft	55
281	ELEC-5.7.4	Supply and fixing of 40mm thick glasswool of 24 kg density with aluminium foil insulation for indoor duct.	1 sft	58
282	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	5000
283	ELEC-5.7.6	Installation and commissioning charges for air cooling unit	1 No	3600
	5.8	STABILIZERS		
284	ELEC-5.8.1	Supply of Stabilizer. Makes: V-Guard / Real Guard / Uni Stab / ITL.		
	a	0.5 KVA	1 No	820
	b	1.0 KVA	1 No	1450
	c	3.0 KVA	1 No	2000
	d	4.0 KVA	1 No	2700
	e	5.0 KVA	1 No	3300
285	ELEC-5.8.2	Supply of Stabilizer. Makes: Keeline / Soft Line		
	a	0.5 KVA	1 No	675
	b	1.0 KVA	1 No	1300
	c	3.0 KVA	1 No	1700
	d	4.0 KVA	1 No	2500
	e	5.0 KVA	1 No	3100
	5.9	REPAIRING OF FANS, COOLERS, PUMPS, MOTORS, FRIDGES AND AIRCONDITIONERS		
286	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. (New model ceiling fan)		
	a	900/1200 mm sweep	1 No	325
	b	1400 mm sweep	1 No	390
287	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	150

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
288	ELEC-5.9.3	Providing and Replacement of ball bearing of ceiling/ exhaust fan as required. (NBC/ SKF)	1 No	175
289	ELEC-5.9.4	Providing and Replacement of Gun metal bush of ceiling/ exhaust/cooler fan/ as required	1 No	150
290	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	250
291	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	450
292	ELEC-5.9.7	Replacement of cooler pads (heavy) set of 3 no. of size 25" x 27"	1 No	150
293	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	200
294	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	360
295	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	175
296	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.		
	a	300/ 380 mm sweep	1 No	550
	b	450 mm sweep	1 No	650
	c	600 mm sweep	1 No	1100
297	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,turnsand 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	350
298	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	
	a	0.5 H.P. To 1.00 H.P.	1 No	700
	b	2.0 H.P	1 No	1150

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
299	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.		
	a	3.0 H.P.	1 No	1700
	b	5.0 H.P.	1 No	2400
	c	7.5 H.P	1 No	2600
	d	10.0 H.P	1 No	3500
	e	12.5 H.P	1 No	3700
	f	15.0 H.P	1 No	4500
300	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.		
	a	1.0 TR Window/ Split A.C	1 No	1900
	b	1.5 TR Window/ Split A.C	1 No	2100
	c	2.0 TR Window/ Split A.C	1 No	2500
	d	25/50 / 40/80 Ltr. Water cooler	1 No	2000
	e	60/120 Ltr. Water cooler	1 No	2300
	f	150/150 Ltr. Water cooler	1 No	2800
	g	165 Ltr Refrigerator	1 No	1250
	h	200/210 Ltr Refrigerator	1 No	1800
	i	286/310 Ltr Refrigerator	1 No	2100
301	ELEC-5.9.16	Replacement of defective compressor by company repaired compressor of fridge./water cooler including testing etc. as required. (Carrier/ Kirlosker/ Techam-Shah/ Shriram/ Voltas)		
	a	25/50 / 40/80 Ltr. Water cooler	1 No	6000
	b	60/120 Ltr. Water cooler	1 No	7600
	c	150/150 Ltr. Water cooler	1 No	9000
	d	165 Ltr Refrigerator (Carrier/ Kirlosker/ Techam-Shah/ Shriram/ Voltas/ BPL/ Zenith/ Kelvinator)	1 No	3100
	e	200/210 Ltr Refrigerator (Carrier/ Kirlosker/ Techam-Shah/ Shriram/ Voltas/ BPL/ Zenith/ Kelvinator)	1 No	3800
	f	286/310 Ltr Refrigerator (Carrier/ Kirlosker/ Techam-Shah/ Shriram/ Voltas/ BPL/ Zenith/ Kelvinator)	1 No	4300
302	ELEC-5.9.17	Supply of brandnew Rotary type sealed compressor for Air conditioner Makes:		
	a	1.0/1.5 TR	1 No	8700
	b	2 TR	1 No	9500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
303	ELEC-5.9.18	Replacement of condensing/ cooling coil of copper fins for following capacity A.C./ Water cooler/ Fridge as required		
	a	1.0 TR A.C.	1 No	3100
	b	1.5 TR A.C.	1 No	3500
	c	2.0 TR A.C.	1 No	3900
	d	25/50 / 40/80 Ltr. Water cooler	1 No	2400
	e	60/120 Ltr. Water cooler	1 No	3500
	f	150/150 Ltr. Water cooler	1 No	3500
	g	165 Ltr Refrigerator	1 No	1100
	h	200/210 Ltr Refrigerator	1 No	1200
	i	286/310 Ltr Refrigerator	1 No	1550
304	ELEC-5.9.19	Replacement of overload protection of A.C./ Water cooler as required	1 No	500
305	ELEC-5.9.20	Replacement of thermostat of A.C./ Water cooler/fridge as required.	1 No	450
306	ELEC-5.9.21	Replacement of starting relay of A.C./water cooler/fridge compressor as required	1 No	490
307	ELEC-5.9.22	Spray painting of complete fridge (inside and outside) of 165/ 200/286/310 Ltr. Capacity	1 No	1600
308	ELEC-5.9.23	Supply and fixing of 230V/ 275V, 50Hz rating		
		Starting capacitor		
	a	20-60 micro farad	1 No	200
	b	80-150 micro farad	1 No	400
		Running capacitor	1 No	
	a	2.5/3.15/4.0/6.0 micro farad	1 No	75
	b	8.0 micro farad	1 No	110
	c	10.0 micro farad	1 No	150
	d	15.0 to 36.0 micro farad	1 No	350
309	ELEC-5.9.24	Supply, Fabrication of 1set MS bracket suitable for fixing out door unit of split AC unit.	1 Set	1200
310	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. Make: Copper:Totaline /Nippon /Mandev. Nitrile Insulation: Kflex/ Totaline /Armaflex		
	a	1/2" x 1/4"	1 Mtr	810
	b	5/8" x 1/4"	1 Mtr	890
	c	3/4" x 3/8"	1 Mtr	975
	d	7/8" x 1/2"	1 Mtr	1100
	e	1 1/8" x 5/8"	1 Mtr	1350

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
311	ELEC-5.9.26	Multi speed Fan Motor suitable for 1.0 / 1.5 / 2.0 Ton Window A.C.Unit Makes : Crompton / AU.	1 No	1425
312	ELEC-5.9.27	Air filter suitable for 1.50 Ton Window A.C.Unit P.V.C. / NYLON.	1 No	250
313	ELEC-5.9.28	Air filter suitable for 1.50 Ton Split A.C.Unit P.V.C. / NYLON.	1 No	430
314	ELEC-5.9.29	Fan blade for 1.0 / 1.5 Ton A.C.Machine.	1 No	500
315	ELEC-5.9.30	Installation of Split Air Conditioners. ELEC-5.5.28	1 No	1500
316	ELEC-5.9.31	Removing of existing Split Air Conditioners without damaging to copper pipe.	1 No	600
317	ELEC-5.9.32	Installation of Cassette type Split Air Conditioners.	1 No	4500
318	ELEC-5.9.33	Installation of Tower type Split Air Conditioners.	1 No	3500
319	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	1700
		SECTION 6		
	6.1	SWAGED / OCTAGONAL POLES AND GARDEN POSTS		
320	ELEC-6.1.1	Fabrication, supply and transportation of all sizes swaged poles up to site confirming to IS 2713 / 1980 specifications. The pole should be painted with primary coat of red oxide and black bituminous paint up to ground level with base plate, including cost of all materials etc., complete.(Rate per K. G)	1 Kg	65
321	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	60
322	ELEC-6.1.3	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	1 Kg	60
		OCTOGONAL POLES		
323	ELEC-6.1.4	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 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: Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	11200

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
324	ELEC-6.1.5	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm,. Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ United	1 No	16200
325	ELEC-6.1.6	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 10 Mtrs height Pole having dimensions Bottom 175 mm,. Top 70mm with 3mm thick, base plate 275 x 275 x16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	17800
326	ELEC-6.1.7	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 12 mtrs height Pole having dimensions Bottom 240mm, Top 100mm with 4mm thick, base plate 320 x320 x20mm and 4 Nos of M24 x 850 long 'J' bolts along with template. Makes:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ United	1 No	26000
327	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 suitableboards 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 galvanised double arm with PU Painted bracket. Makes : Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ /United	1 No	26500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
328	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 galvanised Single arm with PU Painted bracket. Makes : Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ /United	1 No	22500
329	ELEC-6.1.10	Fabrication, Transportation and supply of hot-dip galvanized 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. Makes : Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ /United	1 No	29150
		POLE BRACKETS		
330	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	1250
331	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	1650
332	ELEC-6.1.13	Fabrication, Transportation and supply of 1 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. MakesBajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	1550
333	ELEC-6.1.14	Fabrication, Transportation and supply of 1.50 Mtr length Double Arm Bracket made with MS galvanized 40mm / 50mm dia Pipe. Makes:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	2750

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
334	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	4500
335	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	8300
336	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	5000
337	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	3800
338	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	4000
339	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:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	3400
		HIGH MAST POLES		
340	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, suitable for 6 luminaires with GLS type aviation twin lamp. Makes: Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	100000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
341	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 with GLS type aviation twin lamp. Makes:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	135000
342	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 410mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 570mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes:Bajaj / Valmont /Transrail/Utkarsh/ Skipper/ Laasma/United	1 No	170000
		FEEDER PILLAR BOXES		
343	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 of Legrand / Schnieder / L&T make 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.	1 No	17500
344	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 of Legrand / Schnieder / L&T make 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.	1 No	18000
		ERRECTION- HIGH MAST POLES		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
345	ELEC-6.1.27	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	28000
346	ELEC-6.1.24	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	35000
347	ELEC-6.1.25	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	45000
348	ELEC-6.1.28	Supply of following sizes thermo plastic cable junctions boxes IP 65 protection with metric knockouts for cable entry including threaded cable gland Make : Hensel		
	a	260X210X116	1 No	1700
	b	210X310X116	1 No	3200
	c	300X450X170	1 No	4200
	d	300X600X170	1 No	5200
		FOUNDATION AND ERRECTION CHARGES OF POLES		
349	ELEC-6.1.29	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	4000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
350	ELEC-6.1.30	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 excavation of Earth/BT all labour charges and cost and conveyance of materials etc.complete.	1 Job	4700
351	ELEC-6.1.31	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	6300
352	ELEC-6.1.32	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	7800
		GRP POLES		
353	ELEC-6.1.33	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: Bajaj / Kemrock / Sumip/Helipole		
	a	...do.... 3.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr	1 No	8500
	b	...do.... 4.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr	1 No	10800
	c	...do.... 6.00 Mtrs height, Bottom dia 143mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr	1 No	13500
	d	...do.... 8.00 Mtrs height, Bottom dia 193mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr	1 No	17400
	e	...do.... 9.00 Mtrs height, Bottom dia 210mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr	1 No	19000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	f	...do.... 10.00 Mtrs height, Bottom dia 227mm, Top 76mm, AV thickness 6mm and to withstand maximum wind velocity 180Km/Hr	1 No	27500
354	ELEC-6.1.34	Supply and transportation of base bracket suitable for glass reinforced polymer (GRP) composite type pole including labour charges etc., complete. Makes: Bajaj / Kemrock / Sumip / Helipole		
	a	...do.... For 3.00 Mtrs Pole	1 No	1550
	b	...do.... For 4.00 Mtrs Pole	1 No	1550
	c	...do.... For 6.00 Mtrs Pole	1 No	1850
	d	...do.... For 8.00 Mtrs Pole	1 No	2150
	e	...do.... For 9.00 Mtrs Pole	1 No	4100
	f	...do.... For 10.00 Mtrs Pole	1 No	5100
	6.2	LT PANEL AND ACCESSORIES		
355	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	3900
356	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		
	a	Electrolytic grade aluminium bus bar	kg	375
	b	Electrolytic grade copper bus bar	kg	750
357	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. Make: Conzerve/Elmeasure/Meco/HPL/L&T/socomec		
	a	Analog type (96 mm x 96 mm)	1 No	850
	b	Digital type	1 No	1900

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
358	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. Make: Conzerve/Elmeasure/ Mec/HPL/L&T/Schneider/AE/Socomec		
		Analog type (96 mm x 96 mm)		
	a	Below 500 A	1 No	850
	b	Above 500A	1 No	850
		Digital type		
	c	Below 500 A	1 No	1900
	d	Above 500 A	1 No	1900
359	ELEC-6.2.5	Supply and Fixing of Current Transformer , with all necessary support in existing panel including connection etc. as required Make: Kappa/L&T/Seimens/C&S/Schneider		
	a	up to 150 / 5 Ratio , 5 VA , class 1 accuracy	1 No	475
	b	from 200 / 5 to 400/5 Ratio , 10 VA , class 1 accuracy	1 No	700
	c	from 500 / 5 to 1600/5 Ratio , 15 VA , class 1 accuracy	1 No	950
	d	from 2000 / 5 to 3200 /5 Ratio , 15 VA, class 1 accuracy	1 No	1500
360	ELEC-6.2.6	Supply and Fixing of selector switch for voltmeter (4 position) including making connection etc. as required Make: L&T /C&S/SALZER/HPL	1 No	340
361	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 Make: L&T /C&S/SALZER/HPL	1 No	375
362	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: CONZERVE / ELMEASURE / MECO / HPL / HAVELLS/L&T.		
	a	Single Phase	1 No	1000
	b	Three Phase	1 No	2800
363	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		
	a	Red/yellow/Green colour	1 No	120
	b	Blue colour	1 No	200
364	ELEC-6.2.10	Supply and Fixing of Tap-off boxes suitable for following size of approved design		
	a	up to 95 sq. mm.(3.5/4 core)	1 No	400
	b	from 120 sq. mm. to 185 sq. mm.(3.5/4 core)	1 No	700

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
365	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	10500
366	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: L&T/Seimens/Epcos/Schneider/Havells		
	a	Standard duty Single phase 250 V / Three phase 440 V, 50 Hz capacitor (Bank)	1 KVAR	200
	b	Heavy duty Three phase 440 V , 50 Hz capacitor (Bank)	1 KVAR	300
367	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: L&T/Seimens/Epcos /Schneider/ ABB/Neptune		
		6 to 14 stage - sensitivity upto 50 milli Amp	1 No	18500
368	ELEC-6.2.14	Supply and Fixing of Cam operated rotary switches on existing panel with 2 way and off position makes: L&T (SALZER)/ABB/Schneider/Seimens/C&S/HPL		
		one pole		
	a	16 A	1 No	350
	b	32 A	1 No	450
	c	63 A	1 No	650
		Two pole		
	d	16 A	1 No	400
	e	32 A	1 No	530
	f	63 A	1 No	875
		Three pole		
	g	16 A	1 No	500
	h	32 A	1 No	700

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	i	63 A	1 No	1250
		Four pole		
	j	16 A	1 No	500
	k	32 A	1 No	750
	l	63 A	1 No	1400
369	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 Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells		
		3 pole AC3 Rating contactors		
	a	Up to 12 Amp	1 No	800
	b	13 to 32 Amp	1 No	1325
	c	35 to 40 Amp	1 No	1600
	d	41 to 50 Amp	1 No	3500
		4 pole AC 1 Rating contactors		
	e	Up to 25 Amp	1 No	1000
	f	26 to 32 Amp	1 No	1200
	g	33 to 45 Amp	1 No	2000
	h	46 to 60 Amp	1 No	4200
370	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 Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells		
	a	Up to 6 KVAR	1 No	1600
	b	7 to 10 KVAR	1 No	1800
	c	11 to 20 KVAR	1 No	2700
	d	21 to 25 KVAR	1 No	3600
	e	30 KVAR	1 No	5200
	f	40 KVAR	1 No	8300
	g	50 KVAR	1 No	9600
371	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 Make:Seimens/ABB/Schneider/L&T/C&S/HPL/Havells		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	Up to 14 A	1 No	1200
	b	15 to 20 A	1 No	1600
	c	21 to 30 A	1 No	2300
	d	31 to 40 A	1 No	2600
372	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 Make:Seimens/ ABB/ Schneider/L&T/C&S/HPL		
	a	Non luminous type	1 No	95
	b	Luminous type	1 No	130
	6.3	SUB STATION EQUIPMENT AND TRANSFORMERS		
373	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:	1 No	24000
		(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.		
		33 KV HT Panel (drawout type)		
374	ELEC-6.3.2	Supply, Installation, Testing and Commissioning of indoor type floor mounted metal clad, 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. 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 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:ABB/Schneider/Seimens/Kirloskar	1No	2655000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		<u>INCOMER 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		
		TNC Switch, L-R Switch, Pushbuttons for ON-OFF		
		<u>OUTGOING 2 Nos. 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 300A/1/1A of 7.5VA burden max and accuracy Class 0.5 for metering and class 5P10 for protection		
		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.		
		Set of MCBs for Panel AC/DC		
		Set of Indication lamps LED types		
		TNC Switch, L-R Switch, Pushbuttons for ON-OFF		
		11KV HT Panel (drawout type)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
375	ELEC-6.3.3	Supply, Installation, Testing and Commissioning of indoor type floor mounted metal clad, 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. 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:ABB/Schneider/Seimens/Kirloskar	1No	1345000
		<u>INCOMER 1 No. each comprising the following</u>		
		1 No. 800 Amp. VCB. 26.3KA		
		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		
		<u>OUTGOING 2 Nos. comprising the following</u>		
		1 No. 800 Amp. VCB. 26.3KA		
		1 No. Integral Earth switch for line side earthing		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		3 No. dual core CTs 300A/1/1A of 7.5VA burden max and accuracy Class 0.5 for metering and class 5P10 for protection		
		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.		
		Set of MCBs for Panel AC/DC		
		Set of Indication lamps LED types		
		TNC Switch, L-R Switch, Pushbuttons for ON-OFF		
		Oil Immersed TRANSFORMERS		
376	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 Remote Tap Change Cicuit (RTCC) & Automatic Voltage Regulator (AVR) etc., complete and as per the following continuous rating Make:ABB/ALSTOM/SEIMENS/Kirloskar/Voltamp/ Esennar		
	a	630 KVA	1 No	980000
	b	1000 KVA	1 No	1250000
	c	1250 KVA	1 No	1500000
	d	1600 KVA	1 No	1860000
	e	2000 KVA	1 No	2300000
377	ELEC-6.3.5	Supply and Transportation of copper wound Transformers 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) With Remote Tap Change Cicuit (RTCC) & Automatic Voltage Regulator (AVR) etc., complete and as per the following continuous rating Make:Schneider/Kirloskar/Voltamp/ Esennar/ Toshiba/ KPEL/ Powertech		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	100 KVA	1 No	310000
	b	160 KVA	1 No	420000
	c	250 KVA	1 No	650000
	d	315 KVA	1 No	720000
	e	500 KVA	1 No	950000
	f	630 KVA	1 No	1075000
	g	1000 KVA	1 No	1285000
		Dry Type transformers		
378	ELEC-6.3.6	Supply ,Transportation of cast Resin (Dry Type) indoor type copper double wound 33KV/0.433 KV, Three Phase 50 HzTransformers desingned 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 on 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 Make:ABB/ALSTOM/SEIMENS/Crompton/Kirloskar/Voltamp/ Esennar		
	a	1000 KVA	1 No	2650000
	b	1250 KVA	1 No	3300000
	c	1600 KVA	1 No	3990000
	d	2000 KVA	1 No	4800000
	e	2500 KVA	1 No	5400000
379	ELEC-6.3.7	Supply ,Transportation of cast Resin (Dry Type) indoor type copper double wound 11KV/0.433 KV, Three Phase 50 HzTransformers desingned 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 11000/433V with HV off on 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 . Make:ABB/ALSTOM/SEIMENS/Crompton/Kirloskar/Voltamp/ Esennar		
	a	250 KVA	1 No	620000
	b	315 KVA	1 No	720000
	c	500 KVA	1 No	875000
	d	630 KVA	1 No	1050000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	e	750 KVA	1 No	1200000
	f	1000 KVA	1 No	1400000
	6.4	MAINTENANCE AND REPAIRS OF TRANSFORMERS		
380	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	5000
381	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, tightning 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	3000
382	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	4500
383	ELEC-6.4.4	Testing of Transformer oil for dielectric breakdown strength.	1 No	600
384	ELEC-6.4.5	Removing the existing transformer from the plinth / Pole and refixing the standby transformer of following capacity including connections etc., complete.....		
	a	up to 315 KVA	1 No	3500
	b	500 / 1000 KVA	1 No	4500
385	ELEC-6.4.6	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity. -.....		
	a	up to 315 KVA	1 No	750
	b	500 / 1000 KVA	1 No	1000
386	ELEC-6.4.7	Replacing old and unserviceable gasket of bushing for the following Transformer capacity. -.....		
	a	up to 315 KVA HT,	1 No	350
	b	500 / 1000 KVA HT,	1 No	750
	c	up to 315 KVA LT,	1 No	900
	d	500 / 1000 KVA LT,	1 No	1500
387	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-		
	a	For copper coils	1 Kg	600
	b	For aluminium coils	1 Kg	400

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
387	ELEC-6.4.9	Insulating HT / LT copper / aluminium coils for Transformers.	1 Kg	325
388	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. -.....		
	a	Upto 500 KVA	1 No	3500
	b	630 / 1000 KVA	1 No	4500
389	ELEC-6.4.11	Replacing for distribution Transformer by new one.		
	a	H.T bushing	1 No	350
	b	H.T bushing with metal parts	1 No	400
	c	L.T bushing Upto 315 KVA	1 No	200
	d	L.T bushing 500 / 1000 KVA	1 No	250
	e	L.T bushing rod with metal parts up to 315 KVA	1 No	500
	f	L.T bushing rod with metal parts 500/1000 KVA	1 No	1850
390	ELEC-6.4.12	Drying the repaired transformer with appropriate heat / air of following capacity of transformers.-		
	a	Upto 315 KVA	1 No	4400
	b	500 / 1000KVA	1 No	5500
391	ELEC-6.4.13	Loading, transportation and Unloading of transformer from site to Workshop or vice verse.		
	a	Upto 500 KVA	1 No	4500
	b	630 / 1000 KVA	1 No	7000
392	ELEC-6.4.14	Supply of new and tested transformer oil as per IS-335 - 1972 (per Ltr)	1 Ltr	120
393	ELEC-6.4.15	Filtration of transformer oil as per ISS specifications filters to dielectric strength above 40KV		
	a	at site. (per Ltr) excluding transportation	1 Ltr	10
	b	at workshop (per Ltr)	1 Ltr	7
	6.5	OVERHEAD LINES& LINE MATERIALS		
394	ELEC-6.5.1	Supply and transportation ofPSCC Poles		
	a	8.0 Mtr ,Working load-140 Kgs	1No	2150
	b	8.0 Mtr ,Working load-200 Kgs	1No	2275
	c	9.1 Mtr ,Working load-280 Kgs	1No	4150
395	ELEC-6.5.2	Supply and transportation of 9 mtr lengthRS Joist Poles		
	f	150 x 75 mm(Wt of the pole-140 Kgs)	1No	8600
	g	175 x 85 mm(Wt of the pole-215Kgs)	1No	13250
	h	150 x 150 mm(Wt of the pole-333 Kgs)	1No	20500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
396	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		
	a	20mm,2.4 mtr long stay rod and anchor plate 380mmx380mmx6.4mm	1 set	1850
	b	16mm,1.8 mtr long stay rod and anchor plate 380mmx380mmx6.4mm	1 set	1400
397	ELEC-6.5.4	Supply and fixing of 11KV -V- cross arms withduly welded with necessary clamping arrangements etc., complete		
	a	75x40 mm MS channel including 4 nos 50 x 50 x6 mm packing plates (9 Kgs)	1 No	1200
	b	65 x65 x6 MS angle (8.2 Kgs)	1 No	850
398	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		
	a	50 x 50 x6 mm MS angle (wt 5.75 Kgs)	1 No	415
	b	65 x65 x6 MS angle (wt 7 Kgs)	1 No	490
399	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		
	a	50 x 50 x6 mm MS angle (wt 7.30Kgs)	1 No	535
	b	65 x65 x6 MS angle (wt 9.60 Kgs)	1 No	675
400	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		330
401	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.,	each	200
402	ELEC-6.5.9	Supply and fixing of LT pocelain pininsulator as per IS 1447-1997 suitable for working voltage 1100 V including all accessories like Hot dip GI spindle and nuts etc.,		
	a	100 x 65 mm	each	80
	b	100 x 85 mm	each	90
403	ELEC-6.5.10	Supply and fixing of LT pocelain shackle insulator as per IS 1443-1979 suitable for working voltage 1100 V including all accessories like Hot dip GI spindle and nuts etc.,		
	a	75 x 90 mm	each	140
	b	100 x 110 mm	each	170

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
404	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	2500
405	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	5500
406	ELEC-6.5.13	Supply and fixing of 11 KV danger plates on the existing poles	each	100
407	ELEC-6.5.14	Supply and fixing of 11 KV ,400 A 3 phase central post rotating double break type AB switch(isolate) 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	18000
408	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	
	d	100 sqmm AAA	1KM	50953
	e	55 sqmm AAA	1KM	29490
	f	34 sqmm AAA	1KM	17685
409	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
410	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

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
411	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
412	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
	6.6	LIGHTENING PROTECTIVE SYSTEM		
		Advanced LPS		
413	ELEC-6.6.1	Supply and Transportation of advanced lighting protection with 205 -580mm height and 4.60 - 4.940 kgs, and having Rod length 760mm, weight 1.795 kgs with stainless steel rod, working on the principle of (ESE) Early Streamer Emission technology, having a coverage radius of 79 Mts under level 1 protection and 107 Mtrs radius under level 4 protection when mounted on 5 - 15 mts height of existing lattice tower giving level 1 protection and anticipation emission time of 60 - 72 micro seconds. The ESE should be manufactured according to standard NFC 17-102 : 2011 and CE certified including functional integrity etc Complete. Make : EARTHPLUS (THUNDER GUARD) / NIMBUS / KALRE / FOREND	1 No	110000
414	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. Installation of Earth Electrodes 7. Interconnection between the Electrodes 8. Termination of down conductor to earth bus etc complete.	1 No	27000
415	ELEC-6.6.3	Supply of electro-Mechanical counter Make: EARTHPLUS (THUNDER GUARD) / NIMBUS / KALRE / FOREND	1 No	14500
416	ELEC-6.6.4	Supply of G.I mast of 5 Meters length, 80mm + 50mm dia, with FRP Collar (Insulating Bush), Base Plate and supporting Guy wire (Stay Wire) with all fixing accessories	1 Set	5800
417	ELEC-6.6.5	Supply of down conductor of 1x70sqmm single core PVC insulated unarmoured copper conductor cable of ISI mark. Makes: Finolex / Polycab / Havells / RPG / RR Kabel/KEI/Gloster/Tamra	1 Mtr	575

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
418	ELEC-6.6.6	Supply 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 Make: EARTHPLUS /CIRPROTEC / INDALAC / INGESCO	1 No	2200
419	ELEC-6.6.7	Supply of Bentonite Moisture Retaining Powder 30 Kg Bag	1 No	160
420	ELEC-6.6.8	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	1400
		CONVENTIONAL LPS AS PER IS/IEC 62305		
		Air Terminal		
421	ELEC-6.6.9	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	80
422	ELEC-6.6.10	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	45
423	ELEC-6.6.11	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	120
424	ELEC-6.6.12	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	1500
425	ELEC-6.6.13	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	120
426	ELEC-6.6.14	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	360

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		DOWN CONDUCTOR		
427	ELEC-6.6.15	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	80
428	ELEC-6.6.16	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	45
429	ELEC-6.6.17	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	280
430	ELEC-6.6.18	Supply, installation, testing and commissioning of Lightnig 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	15000
	6.7	EARTHING		
431	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 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	9500
432	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
433	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.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
434	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 powderincluding 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 ,testing earth resistance as required etc., complete	1 No	As per DATA
435	ELEC-6.7.5	Providing earthing as per IS 3043 with 100 mm CI pipe of 3 mtrs long 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
		EARTH CONDUCTORS		
436	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		
	a	6 SWG Copper wire(0.16 Kgs/1 Mtr)	1 Mtr	94
	b	8 SWG Copper wire(0.1155Kgs/1Mtr)	1 Mtr	68
	c	10 SWG Copper wire(0.028Kgs/1Mtr)	1 Mtr	17
	d	6 SWG GI wire(0.192 Kgs/Mtr)	1 Mtr	13
	e	8 SWG GI wire(0.104Kgs/1Mtr)	1 Mtr	7
	f	10 SWG GI wire(0.067Kgs/1Mtr)	1 Mtr	4
	g	20mm x 3mm Copper Flat(0.529Kgs/1Mtr)	1 Mtr	312
	h	25mm x 3mm Copper Flat (0.663Kgs/1Mtr)	1 Mtr	390
	i	32 mm x 6mm Copper Flat(1.9 Kgs/Mtr)	1 Mtr	1120
	j	50 mm x 6mm Copper Flat (2.680Kgs/1Mtr)	1 Mtr	1580
	k	25mm x 3mm GI Flat(0.656 Kgs/Mtr)	1 Mtr	42
	l	25mm x 6mm GI Flat (1.18Kgs/1Mtr)	1 Mtr	75
	m	32 mm x 6mm GI Flat(1.6 kgs/Mtr)	1 Mtr	105
	n	50 mm x 6mm GI Flat(2.5 Kgs ?mtr)	1 Mtr	160
		SECTION 7		
	7.0	LOCAL AREA NETWORK		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
437	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, 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: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand	mtr	32
438	ELEC-7.1.2	Supply installation testing and commisioning of 2nos of Cat6 Tooless 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: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand	each	750
439	ELEC-7.1.3	Supply installation testing and commisioning of 1no of Cat6 Tooless 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: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand	each	390
440	ELEC-7.1.4	Supply installation testing and commisioning 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: Systimax /AMP/ Panduit/ Siemond/ Molex/Legrand		
	a	1mtr/3 ft	each	185
	b	2mtr/7 ft	each	220
	c	3 mtr/10 ft	each	250
441	ELEC-7.1.5	Supply installation testing and commisioning of Single Mode LC Pigtails LSZH 1mtr for fibre core connectivity .Makes: Systimax /Legrand/Molex/Krone /AMP	each	270
442	ELEC-7.1.6	Supply installation testing and commisioning of Single Mode SC Pigtails LSZH 1mtr for fibre core connectivity .Makes: Systimax /Legrand/Molex/Krone /AMP	each	370
443	ELEC-7.1.7	Supply installation testing and commisioning of Single Mode LC Pigtails LSZH 2mtr for fibre core connectivity .Makes: Systimax /Legrand/Molex/Krone /AMP	each	280
444	ELEC-7.1.8	Supply installation testing and commisioning of Single Mode SC Pigtails LSZH 2mtr for fibre core connectivity .Makes: Systimax /Legrand/Molex/Krone /AMP	each	390

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
445	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: Systimax /Legrand/Molex/Panduit/Siemon/AMP		
	a	4 fiber		64
	b	6 fiber		69
	c	12 fiber		95
446	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:Systimax /Legrand/Molex/Panduit/Siemon/AMP		
	a	4 fiber		65
	b	6 fiber		72
	c	12 fiber		98
446	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 amendments 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: Systimax /Legrand/Molex/Panduit/Siemon/AMP	mtr	919
447	ELEC-7.1.12	Supply ,Installation Testing and commissioning 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 requir Makes: Systimax /Legrand/Molex/Panduit/Siemon/AMP		
	a	8 Ports	1 No	5500
	b	12 Ports	1 No	7200
	c	24 Ports	1 No	13625
	d	36 Ports	1 No	15400

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
448	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: Systimax /Legrand/Molex/Panduit/Siemon/AMP		
	a	6 Ports	1 No	2900
	b	12 Ports	1 No	3600
	c	18 Ports	1 No	4500
	d	24 Ports	1 No	5500
449	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. Make: APW/HCL/Valrack/Netrack		
	a	6 U(44 mm) wall mounted	1 No	4680
	b	9 U(44 mm) wall mounted	1 No	5500
	c	12 U(44 mm) wall mounted	1 No	6460
	d	15 U(44 mm) wall mounted	1 No	7320
450	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 . Make: APW/HCL/Valrack/Netrack		
	a	22 U (44 mm) Floor Standing Rack	1 No	20500
	b	27 U (44 mm)Floor Standing Rack	1 No	23000
	c	37 U (44 mm)Floor Standing Rack	1 No	32000
	d	42 U (44 mm)Floor Standing Rack 800WX1000D	1 No	41800

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		MANAGEBLE NET WORK SWITCHES		
451	ELEC-7.1.16	Supply ,Installation ,Testing and Commissioning of Small Business 24 port Gigabit Managed Switch , Make :Cisco Model SG350-28 or equivalent in Juniper/Extreme	1 No	13000
452	ELEC-7.1.17	Supply ,Installation ,Testing and Commissioning of Small Business 48 port Gigabit Managed Switch , Make :Cisco Model SG300-52 or equivalent in Juniper/Extreme	1 No	24800
453	ELEC-7.1.18	Supply & Fixing of Cisco small business 8 port Gigabit POE Managed Switch , Make : Cisco Model:SG-350- 8PP or equivalent in Juniper/Extreme	1 No	13500
454	ELEC-7.1.19	Supply & Fixing of Cisco small business 24 port Gigabit POE Managed Switch , Make : Cisco Model:SG-350-28PP or equivalent in Juniper/Extreme	1 No	25000
455	ELEC-7.1.20	Supply ,Installation ,Testing and Commissioning of Small Business 24 port Gigabit Managed Switch Make :Cisco Model SG350-28SFP or equivalent in Juniper/Extreme	1 No	71500
456	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. Make: CISCO WS - C2960+24TC-L or equivalent in JUNIPER/ EXTREME	1 No	52000
457	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.Make: CISCO WS- C2960+48TC-L or equilent in JUNIPER/EXTREME	1 No	102000
458	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. Make: CISCO-C2960+24PC-L or equilent in JUNIPER/EXTREME	1 No	102000
459	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. Make: CISCO-C2960+48PST-L or equilent in JUNIPER/EXTREME	1 No	180000
460	ELEC-7.1.25	Supply , Installation, Testing and Comissioning of Layer2, Catalyst 2960 Plus 24 port, GigE LAN base Manageble Net work switch. Make: CISCO WS - C2960X-24TS-L or equivalent in JUNIPER/ EXTREME	1 No	152500
461	ELEC-7.1.26	Supply , Installation, Testing and Comissioning of Layer2, Catalyst 2960 Plus 48 port, GigE LAN base Manageble Net work switch. Make: CISCO WS - C2960X-48TS-L or equivalent in JUNIPER/ EXTREME	1 No	266000
462	ELEC-7.1.27	Supply & Fixing of WIFI Acss point with mounting accessories etc.,complete . Make : Cisco Aironet 1815i or equivalent in Ruckus/Aruba	1 No	22500
	7.2	RACEWAYS AND JUNCTION BOXES		
463	ELEC-7.2.1	Supply ofG I Raceways of 2mm thick with top cover and required hard ware etc complete.		
	a	100mm x 38mm	1 Mtr	425

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	b	150mm x 38mm	1 Mtr	565
	c	300mm x 38mm	1 Mtr	960
	d	100mm x 25mm	1 Mtr	400
	e	150mm x 25mm	1 Mtr	525
	f	300mm x 25mm	1 Mtr	950
464	ELEC-7.2.2	Supply ofG.I. Junction box of 2mm thick for direct acces to cables at the inter section of Raceways.		
	a	172mm x 52mm	1 No	320
	b	222mm x 52mm	1 No	420
	c	372mm x 52mm	1 No	750
	7.3	COMPUTERS, PRINTERS AND SCANNERS		
	ELEC-7.3.1	<p>Supply, Transportation and installation of Desktop with fully loaded software as desired, with the following configuration.</p> <p>Model : HP ProDesk or its equivalent in Dell/Lenova</p> <p>1. Processor: Intel® Core™ i7-7700 Processor with Intel® HD Graphics 630 (3.6 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)</p> <p>Intel H110 Chipset</p> <p>2. Memory: 8 GB DDR4-2400 SDRAM (1 x 8 GB)</p> <p>3. Hard drive 1 TB 7200 rpm SATA</p> <p>4. HP Monitor : 18.5"/19.5" with TCO 7.0 or its equivalent in HP/Dell/Lenova</p> <p>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</p> <p>6. Operating Systems: Preloaded Windows 10 professional 64 bit with product key License.</p> <p>7. Preloaded with latest version of Antivirus Symantec/ McAfee / NOD32 / eTrust / Avast Internet Security / Kaspersky / Quickheal / eScan / Msecure with following features: Antivirus, Antispyware, Instrusion Prevention Browser protection with single management console with 3 year subscription with support updates and patches.</p> <p>8. Accessories: With required connecting cables and 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>	1 No	65700

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
465	ELEC-7.3.2	<p>Supply, Transportation and installation of Desktop with fully loaded software as desired, with the following configuration.</p> <p>Model : HP ProDesk or its equivalent in Dell/Lenova</p> <p>1. Processor: Intel® Core™ i5-7500 Processor with Intel® HD Graphics 630 (3.4 GHz base frequency with Intel® Turbo Boost Technology, 6 MB cache) Intel H110 Chipset</p> <p>2. Memory: 8 GB DDR4-2400 SDRAM (1 x 8 GB)</p> <p>3. Hard drive 1 TB 7200 rpm SATA</p> <p>4. HP Monitor : 18.5"/19.5" with TCO 7.0 or its equivalent in Dell/Lenova</p> <p>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</p> <p>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.</p> <p>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.</p> <p>8. Accessories: With required connecting cables and 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>	1 No	59350
466	ELEC-7.3.3	<p>Supply, Transportation and installation of Printer Make : HP LaserJet 1020 Plus Printer (OR) It's Equivalent in Canon /Epson</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	10880
467	ELEC-7.3.4	<p>Supply, Transportation and installation of All-in-One (Print, Copy, Scan) with duplex, auto document feeder makes: Canon imageCLASS MF244dw /HP or its equivalent</p> <p>features:</p> <ul style="list-style-type: none"> -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 <p>Maximum Number of Copies Up to 999 copies</p> <p>Scan Type Colour Contact Image Sensor</p> <p>Scan Resolution Optical Up to 600 x 600dpi</p> <p>Pull Scan Yes, USB and Network</p>	1 No	20500

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
468	ELEC-7.3.5	Supply, Transportation and installation of Document Scanner Make : Brother ADS-2400N document scanner (OR) It's Equivalent in Canon 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	1 No	34990
469	ELEC-7.3.6	Supply of 5 Pair telephone copper wire. Makes: Finolex / Delton / Surabi / Polycab	100 Mtrs	2500
470	ELEC-7.3.7	Supply of 100 pair MDF loaded with 2/10 Modular. Makes: Krone or its equivalent.	1 No	3330
471	ELEC-7.3.8	Supply of 100 Pair raiser cable for telephone Makes: Finolex / Delton / Surabi / Polycab.	1 Mtr	350
472	ELEC-7.3.9	Supply of 10 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab	1 Mtr	35
473	ELEC-7.3.10	Supply of 20 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab	1 Mtr	70
474	ELEC-7.3.11	Supply of 50 Pair telephone Copper wire. Makes: Finolex / Delton / Surabi / Polycab.	1 Mtr	175
475	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	590
476	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	900
477	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	1875
478	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	7160
		SECTION 8		
	8.1	MISSILLANEOUS ITEMS		
479	ELEC-8.1.1	TW Seperators / Gutties	100 Nos	180
480	ELEC-8.1.2	PVC Rawl Plugs	100 Nos	30
481	ELEC-8.1.3	PVC Grips	100 Nos	30
482	ELEC-8.1.4	U Nails	100 Nos	30
483	ELEC-8.1.5	Alluminium Link Clips	100 Nos	30
484	ELEC-8.1.6	50 mm G.I.Nut and Bolts.	1 Set	15
485	ELEC-8.1.7	63 to 100 mm G.I.Nut and Bolts.	1 Set	25
486	ELEC-8.1.8	50 mm 0 Gauge Nails	1 Doz	45
487	ELEC-8.1.9	63 to 100 mm 0 Gauge Nails	1 Doz	72

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
488	ELEC-8.1.10	Hard Coke	1 Kg	20
489	ELEC-8.1.11	Salt	1 Kg	15
490	ELEC-8.1.12	PVC Cleats 2 Way	100 Nos	325
491	ELEC-8.1.13	PVC Cleats 4 Way	100 Nos	430
492	ELEC-8.1.14	Binding Wire	1 Kg	60
493	ELEC-8.1.15	PVC /cotton tape Role (8 Mtrs)	1 No	18
494	ELEC-8.1.16	C.I.Knob	1 No	25
495	ELEC-8.1.17	Stay tight set (Jum bracket 300 mm)	1 Pair	295
496	ELEC-8.1.18	Stay clamp with bolts and Nuts)	1 Set	196
497	ELEC-8.1.19	L.T.Guy insulator	1 No	75
498	ELEC-8.1.20	12 / 15 MS plain rod fan hook	1 No	30
499	ELEC-8.1.21	19 / 20 mm Steel tube fan down rod	1 Mtr	85
500	ELEC-8.1.22	Consealed box PVC / MS with hook for fan	1 No	100
501	ELEC-8.1.23	Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement plastering.	1 No	80
502	ELEC-8.1.24	Coil Earthing	1 No	75
503	ELEC-8.1.25	Cable root Indicators of size 152mm round / 102mm x 102mm / 152mm x 152mm	1 No	85
504	ELEC-8.1.26	40 mm x 40 mm x 6 mm angle iron with I bolt.	1 Set	245
505	ELEC-8.1.27	Mild Steel Items	1 Kg	60
506	ELEC-8.1.28	Acrylic Cover of size 4" x 7" for night lamps.	1 No	20
507	ELEC-8.1.29	TW / PVC Round Blocks	1 No	8
508	ELEC-8.1.30	G.I.Funnel with Mesh 1/2" x 4"	1 No	80
509	ELEC-8.1.31	Asbestos Sheet	1 Sq Mt	25
510	ELEC-8.1.32	First Aid box 18" x 12" x 8"	1 No	1075
511	ELEC-8.1.33	11 KV/ 22 KV Hand gloves	1 No	200
512	ELEC-8.1.34	100mm CI pipe	1 mtr	As per civil SOR
	8.2	LEGEND PLATES		
513	ELEC-8.2.1	Danger Notice Plates of size -----, shall comply with IS:2551-1982		
	a	250x200mm,	1 No	225
	b	200x150mm,	1 No	200
	c	150x100mm,	1 No	100
514	ELEC-8.2.2	Bus bar chamber 100mm x 40mm	1 No	50
515	ELEC-8.2.3	Cable Alley 100mm x 40mm	1 No	50
516	ELEC-8.2.4	Earth 40mm x 20mm	1 No	50

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
517	ELEC-8.2.5	Auto / Manual	1 No	50
518	ELEC-8.2.6	Semi oval type aluminium 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	25
519	ELEC-8.2.7	Shock instruction chart in English / Hindi / Telugu duly framed with front glass	1 No	450
	8.3	COPPER / ALLUMINIUM / G.I. ITEMS (PER KG)		
520	ELEC-8.3.1	Copper Plate / Strip / SWG wire No.8 / 10 / 14	1 kg	590
521	ELEC-8.3.2	Copper winding wire	1 kg	680
522	ELEC-8.3.3	Copper winding wire with PVC Insulated of fine quality	1 kg	700
523	ELEC-8.3.4	Aluminium Bus bars / Strips / Accessories	1 kg	230
524	ELEC-8.3.5	Aluminium winding wire	1 kg	300
525	ELEC-8.3.6	G.I. Strip / Plate / Wire	1 kg	65
	8.4	SMC TYPE SUPPORTS FOR THE BUSBARS		
526	ELEC-8.4.1	Supply of type supports for the bus bars-----		
	a	50 x 70 x 14 mm	1 No	30
	b	60 x 70 x 14 mm	1 No	35
	c	70 x 70 x 14 mm	1 No	65
	d	300 x 50 x 10 mm	1 No	20
	e	350 x 52 x 10 mm	1 No	160
	f	420 x 60 x 12 mm	1 No	230
527	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	50
528	ELEC-8.4.3	Heat shrinkable sleeves for the Bus bars up to 70 Sqmm	1 Mtr	15
529	ELEC-8.4.4	Heat shrinkable sleeves for the Bus bars above 70 Sqmm	1 Mtr	25
530	ELEC-8.4.5	6.2 Volt series bulb (25 Nos.)	25 Nos	60
531	ELEC-8.4.6	6.2 Volt series bulb with navar plate(25 Nos.)	25 Nos	65
532	ELEC-8.4.7	Supply of Rotating machine	1 No	12000
533	ELEC-8.4.8	Supply and fixing of 6mm thick MS Chekered plate.	1 Kg	70
534	ELEC-8.4.9	Supply and fixing of 6mm thick Aluminium Chekered plate		250
535	ELEC-8.4.10	Copper old winding Wire scrap for 1 Kg		150
536	ELEC-8.4.11	Cement		8
537	ELEC-8.4.12	Cost of Sand		600
538	ELEC-8.4.13	Cost of Bricks		4000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
539	ELEC-8.4.14	Hylam Sheet	1 Sq inch	1
540	ELEC-8.4.15	Supply of Nominal-Bore ----- G.I.Pipe		
	a	25mm Heavy grade	1 mtr	280
	b	25mm Medium grade	1 mtr	245
	c	40mm Heavy grade	1 mtr	420
	d	40mm Medium grade	1 mtr	350
541	ELEC-8.4.16	80mm Nominal Bore C.I.Earth Pipe of 3 Mtrs Length	1 no	3400
542	ELEC-8.4.17	Earth work excacvation including all soils for trench, Pole Pit and Earth Pit	1 cum	250
543	ELEC-8.4.18	Drilling of 16 Nos through holes of 12mm dia to G.I pipe	1 No	6
544	ELEC-8.4.19	G.I Nuts, Bolts and Washers each set	1 set	12
545	ELEC-8.4.20	18" dia 2" thick hume pipe ring	1 No	250
546	ELEC-8.4.21	18" dia 3" hume pipe ring	1 No	300
547	ELEC-8.4.22	2" thick CC cover for hume pipe ring with handle.	1 No	130
548	ELEC-8.4.23	Supply of Saddle / Clamps suitable for fixing -----		
	a	4 to 10 Sqmm 2 Core Cable	100 Nos	230
	b	4 & 6 Sqmm 4 Core Cable	100 Nos	230
	c	10 & 16 Sqmm 4 Core Cable	100 Nos	300
	d	25 & 35 Sqmm 3.5 Core Cable.	100 Nos	350
	e	50 Sqmm 3.5 Core Cable.	100 Nos	500
	f	70 & 95 Sqmm 3.5 Core Cable	100 Nos	550
	g	120 to 185 Sqmm 3.5 Core Cable	100 Nos	700
	h	240 & 300 Sqmm 3.5 Core Cable	100 Nos	850
	i	400 Sqmm 3.5 Core Cable	100 Nos	1100
549	ELEC-8.4.24	Supply and fixing of PVC synthetic elastomer electrically insulated mat conforming to IS: 15652-2006 with----- --		
	a	Class A insulation having 2mm thickness upto 3.3KV	1 sqmt	3800
	b	Class B insulation having 2.5mm thickness upto 11KV	1 sqmt	3900
	c	Class C insulation having 3mm thickness upto 33KV	1 sqmt	4000
550	ELEC-8.4.24	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	270
551	ELEC-8.4.25	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 of enamel paint.	1 no	1100

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
552	ELEC-8.4.26	Supply of GI Louver shutter for exhaust fan		
	a	9 to 12"	1 no	150
	b	15 to 18"	1 no	180
553	ELEC-8.4.27	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	620000
	8.5	LABOUR RATES		
554	ELEC-8.1.75	Skilled Electrician	1 No	
555	ELEC-8.1.76	Semi Skilled Electrician / Lineman	1 No	
556	ELEC-8.1.77	Helper (Electrical)	1 No	
557	ELEC-8.1.78	Skilled Mason	1 No	
558	ELEC-8.1.79	Semi Skilled Mason	1 No	
559	ELEC-8.1.80	Skilled Welder	1 No	
560	ELEC-8.1.81	Skilled Fitter	1 No	
561	ELEC-8.1.82	Semi Skilled Fitter / Welder	1 No	
562	ELEC-8.1.83	Skilled Carpenter	1 No	
563	ELEC-8.1.84	Semi Skilled Carpenter	1 No	
564	ELEC-8.1.85	Man Mazdoor	1 No	
565	ELEC-8.1.86	DG Set operator/Air Compressor Operator	1 No	
566	ELEC-8.1.87	2nd Class DG Set operator/Air Compressor Operator	1 No	
567	ELEC-8.1.88	Plumber (Licensed)/Pipe Fitter	1 No	
568	ELEC-8.1.89	Painter Class -2	1 No	
569	ELEC-8.1.90	Diploma Engineer / Surveyor	1 No	
570	ELEC-8.1.91	Graduate Engineer	1 No	
571	ELEC-8.1.92	ITI Certificate holder	1 No	
572	ELEC-8.1.93	Stenographer / Computer Operator	1 No	
		NB : The labour rates may be adopted based on the common Civil SoR for the year 2018-19		

SECTION 9

	9.1	WIRELESS FIRE ALARAM SYSTEM		
573	ELEC-9.1.1	Supply and fixing of wireless smoke detection control panel of 28 wireless zones, 2 Hard wired Zones, Tamper Alert, Pass code protected, RF jamming recognition, diagnostic feature for RF signal strength between panel and each detector, vent reporting using PSTN telephone line, dialing upto 4 telephone numbers, event reporting as per users choice, LCD screen display, two way voice interaction, battery backup stand by time up to 12 hrs. Including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell	1 No	35000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
574	ELEC-9.1.2	Supply and fixing of Wireless Repeater.The wireless repeater extends the communication range of detection by relaying data between receiver and remote wireless transmitter including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell.	1 No	8500
575	ELEC-9.1.3	Supply and fixing of Wireless Siren Strobe external wireless siren - a fully supervised power code outdoor (IP55) wireless Siren and strobe light. Designed for external installation. Wire - Free connection between control panel and siren. Convenient rapid no- mess installation. Separate fire alarm signals, 98db Piezo siren and high power strobe light. Weather resistant, IP55, 2-way communication for local and remote diagnostics. Plug-in power supply, NIMH rechargeable back-up power battery, transmits status, tamper, low- battery, supervisory and AC loss messages to the control panel, Tri- State tamper switch identifies screw manipulation removal of cover or playing from the wall including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell.	1 No	11500
576	ELEC-9.1.4	Supply and fixing of wireless Fully Supervised Smoke Detector, Photoelectric detection technology for superior detection sensitivity , sound and transmitted for smoke, tamper and low battery, works on power code protocol, easy programming and enrolling to the control panel, long life 9 volt alkaline or lithium battery including transportation, all taxes and all labour charges etc complete. Makes: Cease Fire / Visonic / Honeywell.	1 No	5750
	9.2	ADDRESSABLE - FIRE ALARM SYSTEM		
577	ELEC-9.2.1	Supply, Installation, testing and commissioning of wall mounting Micro Processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards.		
	a	1 loop	1 No	175000
	b	2 loop	1 No	200000
	c	4 loop	1 No	245000
	d	6 loop	1 No	365000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	e	8 loop	1 No	400000
	f	10 loop	1 No	550000
577	ELEC-9.2.2	Supply, Installation, testing and commissioning of wall mounting Micro Processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units and the hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable being integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 10 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Siemens / Morley / Bosch / Ravel.		
	a	1 loop	1 No	165000
	b	2 loop	1 No	185000
	c	4 loop	1 No	215000
	d	6 loop	1 No	310000
	e	8 loop	1 No	360000
	f	10 loop	1 No	515000
578	ELEC-9.2.3	Supply, Installation, testing and commissioning of intellegent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required. Makes: Notifier / Edwards.	1 No	105000
579	ELEC-9.2.4	Supply, Installation, testing and commissioning of intellegent analogue addressable Repeater panel including the cost of mounting accessories complete as per specification as required. Makes: Siemens / Morley / Bosch / Ravel.	1 No	90000
580	ELEC-9.2.5	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning. Makes: Notifier / Edwards.	1 No	4600
581	ELEC-9.2.6	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning. Makes: Siemens / Morley / Bosch / Ravel.	1 No	3900

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
582	ELEC-9.2.7	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alarm including the cost of mounting accessories etc. complete. Makes: Notifier / Edwards.	1 No	4500
583	ELEC-9.2.8	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alarm including the cost of mounting accessories etc. complete. Makes: Siemens / Morley / Bosch / Ravel.	1 No	4200
584	ELEC-9.2.9	Supply and instllation of intallegent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories. Makes: Notifier / Edwards.	1 No	3800
585	ELEC-9.2.10	Supply and instllation of intallegent analogue addressable photo electric smoke detector including cost of base plate etc., complete as per specification with required fittings and accessories. Makes: Siemens / Morley / Bosch / Ravel.	1 No	3500
586	ELEC-9.2.11	Supply and installation of intelligent analogue addressable rate of rise cum fixed temparature heat detectors including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Notifier / Edwards.	1 No	4100
587	ELEC-9.2.12	Supply and installation of intelligent analogue addressable rate of rise cum fixed temparature 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: Siemens / Morley / Bosch / Ravel.	1 No	3800
588	ELEC-9.2.13	Supply and installation of intelligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Notifier / Edwards.	1 No	4200
589	ELEC-9.2.14	Supply and installation of intalligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel.	1 No	3800

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
590	ELEC-9.2.15	Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required. Makes: Notifier / Edwards.	1 No	4200
591	ELEC-9.2.16	Supply and Installation of Intelligent analogue addressable Control Modules including the cost of mounting accessories complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel.	1 No	3900
592	ELEC-9.2.17	Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required. Makes: Notifier / Edwards.	1 No	4200
593	ELEC-9.2.18	Supply and Installation of Intelligent analogue addressable monitor modules including the cost of mounting accessories complete as per specifications and as required. Makes: Siemens / Morley / Bosch / Ravel.	1 No	3900
594	ELEC-9.2.19	Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required. Makes: Notifier / Edwards.	1 No	3800
595	ELEC-9.2.20	Supply and Installation of Intelligent analogue addressable fault isolator modules including the cost of mounting accessories complete as per specifications and complete as required. Makes: Siemens / Morley / Bosch / Ravel.	1 No	3200
	9.3	CONVENTIONAL - FIRE ALARM SYSTEM		
596	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: System Censor / Ravel		
	a	2 Zone	1 No	13500
	b	4 Zone	1 No	14500
	c	6 Zone	1 No	15000
	d	8 Zone	1 No	15500
	e	10 Zone	1 No	19500
	f	12 Zone	1 No	22500
	g	14 Zone	1 No	25500
597	ELEC-9.3.2	Supply and installation of Repeater panel including the cost of mounting accessories complete as per specifications and as required. Makes: System Censor / Ravel	1 No	12000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
598	ELEC-9.3.3	Supply and installation of dual tone electronic hooter of 85dB including the cost of mounting accessories complete as per specifications and as required.	1 No	750
599	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.	1 No	600
600	ELEC-9.3.5	Supply and installation of response indicators for above false ceiling detectors.	1 No	150
601	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: System Sensor / Ravel	1 No	1600
602	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: System Sensor / Ravel	1 No	1400
603	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: System Sensor / Ravel	1 No	1300
	9.4	POWDER BASED FIRE EXTINGUISHERS		
604		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 Gauge, 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.		
	ELEC-9.4.1	Makes : Cease Fire / Minimax	1 No	8100
	ELEC-9.4.2	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	5200

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
605		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 polyster 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.		
	ELEC-9.4.3	Makes : Cease Fire / Minimax	1 No	4000
	ELEC-9.4.4	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	3400
606		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 polyster 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.		
	ELEC-9.4.5	Makes : Cease Fire / Minimax	1 No	5700
	ELEC-9.4.6	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	3800
607		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 polyster 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.		
	ELEC-9.4.7	Makes : Cease Fire / Minimax	1 No	6500
	ELEC-9.4.8	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	5200
		CLEAN AGENT FIRE EXTINGUISHERS		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
608		Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 2 KG Fire extinguisher , Stored pressure type, pressure guage, gross weight 3.7Kg , empty weight 1.7 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating- 21B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty		
	ELEC-9.4.9	Makes : Cease Fire / Minimax	1 No	11600
	ELEC-9.4.10	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	9600
609		Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 4 Kg Fire extinguisher , Stored pressure type, pressure guage, gross weight 6.9Kg , empty weight 2.9 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating- 21B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyester powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty.		
	ELEC-9.4.11	Makes : Cease Fire / Minimax	1 No	19500
	ELEC-9.4.12	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	17500
610		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.		
	ELEC-9.4.13	Makes : Cease Fire / Minimax	1 No	8900
	ELEC-9.4.14	Makes : Safex / Kenex / Bharat / Reliance/NewTech	1 No	6700
611	ELEC-9.4.15	Supply and fixing of Escape signage boards in Rigid Photo luminecent based glow in Dark rigid sheet with high intensity luminous properties with specificaiton. Makes: Cease Fire or its equivalent make Model-1ES01	1 No	1200

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
612	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 Eupropean Standard EN 403 1993-S known to reduce Carbon Monoxide, propend(acrloein), hydrogen chloride, hydrogen Cyanide and Solid and liquid toxic particles to manageable level for atleast 15 minutes shall with stand tempeartures upto 80 degrees single use only Fire Blanket size 1.2m x1.8m used to cover any vessel containing used to Extinguish a clothing fire wrap blanket around the victim.	1 No	13500
613	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 inblack out side & Handle with mounting bracket.	1 Set	1200
614	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	1500
	9.5	FIRE HYDRANT AND SPRINKLER SYSTEM		
		ELECTRIC DRIVEN MAIN FIRE PUMPS(SPLIT CASE)		
615	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	320000
		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 of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
616	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	360000
		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		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		b) Suitable HP SQ cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
617	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.		560000
		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.		
		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 of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
618	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	415000
		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.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
		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.		580000
		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' 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		
		DIESEL ENGINE DRIVEN FIRE PUMPS		
619	ELEC-9.5.4	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1 Set	416000
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr head conforming to IS 1520		
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
620	ELEC-9.5.5	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	1 Set	600000
		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 of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		
621	ELEC-9.5.5	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required		725000
		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 of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
622	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	680000
		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 of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		
623	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		
		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		775000
		b) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		
		ELECTRIC DRIVEN MAIN FIRE PUMPS(END SUCTION)		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
624	ELEC-9.5.8	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	240000
		a) End suction back pull out centrifugal pump, Std fitted with BRONZE IMPELLER & gland packing ,capacity 171 Cum/hr (2850 LPM) at total head 70 M at operating speed 2900 rpm. Pump duty as per TAC		
		b) 55 KW / 75 HP, 3000 srpm, TEFC (IP55) horizontal foot mounted, squirrel cage induction motor, suitable for 415 volts +/- 10%, 3 Ph, 50 Hz +/-5%, a.c.supply. Class 'F' insulated and suitable for ambient temperature up to 50 deg C. Motor in frame SC 250 M frame for driving above pump.		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
625	ELEC 9.5.9	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		196000
		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.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
		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		
626	ELEC 9.5.9	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		144000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		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 of Pumps: Kirloskar / Mather&Platt. Makes of Motors: Siemens/ ABB/ Kirloskar		
		DIESEL ENGINE DRIVEN MAIN FIRE PUMPS(END SUCTION)		
627	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	499000
		a) End suction back pull out pump, Std fitted with BRONZE Impeller & gland packing, capable of delivering 171 Cum/hr(2850 LPM) at a total head of 70 M when operated at 1800 rpm and pump duty as per TAC		
		b) Liquid cooled, 85 BHP at 1800 rpm, diesel engine (Radiator cooled) 12 Volts starting system with standard accessories		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		
628	ELEC-9.5.11	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	398000
		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 of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
629	ELEC-9.5.12	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	348000
		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 of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt		
		JOCKEY PUMPS		
630	ELEC-9.5.13	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	1 Set	49000
		a) Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 56 Mtr head conforming to IS 1520		
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar		
631	ELEC-9.5.14	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	1 Set	72000
		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		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar		
632	ELEC-9.5.15	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		110000
		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, conforming to IS-325		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar		
		BOOSTER PUMPS		
632	ELEC-9.5.15	Supplying , installation , testing and commissioning of electric driven Terrace / Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1 Set	56000
		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.		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens / ABB / Kirloskar		
633	ELEC-9.5.16	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1 Set	43500
		a) Horizontal type, centrifugal End Suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal and flow of 900 lpm at 45 Mtr head conforming to IS 1520		
		b) Three Phase High Speed Centrifugal Pump. Pump with CI Impeller and Gland Packing with 9.3 KW / 12.5HP, 2 pole, TEFC, 415 V, 3ph motor		
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar		
634	ELEC-9.5.17	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1 Set	41500
		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 : Kirloskar		
635	ELEC-9.5.18	Supplying , installation , testing and commissioning of electric driven Terrace / Mono Bloc Booster pump suitable for automatic operation and consisting of following : complete in all respect as required.	1 Set	38200
		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		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.		
		d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes : Kirloskar		
		MS PIPES		
636	ELEC-9.5.19	Providing , laying, testing & Commissioning of following classes MS pipes conforming to IS 3589 and 1239 including fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc., complete. Makes: Jindal / Hissar / Tata pipes/Prakash Surya		
		C-CLASS MS PIPES		
	a	250 mm dia	1 Mtr	3400
	b	200 mm dia	1 Mtr	2950
	c	150 mm dia	1 Mtr	2250
	d	100 mm dia	1 Mtr	1400
	e	80 mm dia	1 Mtr	930
	f	65 mm dia	1 Mtr	700
	g	50 mm dia	1 Mtr	560
	h	40 mm dia	1 Mtr	475
	i	32 mm dia	1 Mtr	375
	j	25 mm dia	1 Mtr	280
		B- CLASS MS PIPES		
	a	250 mm dia	1 Mtr	3000
	b	200 mm dia	1 Mtr	2600
	c	150 mm dia	1 Mtr	1800
	d	100 mm dia	1 Mtr	1200
	e	80 mm dia	1 Mtr	850
	f	65 mm dia	1 Mtr	630
	g	50 mm dia	1 Mtr	490
	h	40 mm dia	1 Mtr	370
	i	32 mm dia	1 Mtr	300
	j	25 mm dia	1 Mtr	250
637	ELEC-9.5.20	Supplying and fixing single headed Internal / External hydrant valve with instantaneous Gun metal couplings of 63mm dia with Cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gun Metal cap and chain as required. Makes: Newage/ Winco/ Padmini / Safex/Minimax/ Newtech	1 No	7300

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
638	ELEC-9.5.21	Supplying, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze / Gun metal seat duly ISI marked complete with Nuts, Bolts, Washers, gaskets, conforming to IS 13095 of following sizes as required. Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / SANT/NEU-G		
	a	(a) 250 mm . dia	1 No	11500
	b	(b) 200 mm . dia	1 No	4900
	c	(c) 150 mm dia	1 No	4100
	d	(d) 100 mm dia	1 No	3150
	e	(e) 80 mm dia	1 No	2900
639	ELEC-9.5.22	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: BDK / NEU-G / Leader/ Zolotto / SANT		
	a	a) 250mm dia	1 No	18000
	b	(b) 200 mm dia	1 No	9200
	c	(c) 150 mm dia	1 No	6600
	d	(d) 100 mm dia	1 No	3500
	e	(e) 80 mm dia	1 No	3400
	f	(f) 50 mm dia	1 No	1800
640	ELEC-9.5.23	Manufacture, Supply and delivery of CI Wafer Lug type Butterfly Valves conforming to IS 13095/1991 (Reaffirmed 1998) excluding transportation, CED and taxes etc., complete. Operation done with worm actuator ISI marked Rate at Ex-Factory Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto /SANT/NEU-G		
	a	250 mm . dia	1 No	15300
	b	200 mm . dia	1 No	11000
	c	150 mm dia	1 No	7000
	d	100 mm dia	1 No	4700
	e	80 mm dia	1 No	3500
	f	(50 mm dia	1 No	2800
641	ELEC-9.5.24	Providing, installation, testing and commissioning of gun metal valves of following sizes as required. Make: NEU-G/Zolotto/Padmini/SANT		
	a	50 mm dia	1 No	1600
	b	40 mm dia	1 No	1300
	c	32 mm dia	1 No	1175

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
642	ELEC-9.5.25	Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech	1 No	5500
643	ELEC-9.5.26	Supplying and fixing 63mm dia, 15 mtr long CP hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conforming to IS 636 (Type -A) as required. Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech	1 No	4900
644	ELEC-9.5.27	Supply, installation, testing and commissioning of cast iron Y – Stainer flanged end with SS mesh of following sizes confirming to IS specifications complete with rubber gasket, GI bolts , nuts, washers etc as required Makes: Leader / Zolotto/SANT.		
	a	250mm dia	1 No	18400
	b	200 mm . dia	1 No	17000
	c	150 mm dia	1 No	8000
	d	100 mm dia	1 No	4300
	e	80 mm dia	1 No	3900
645	ELEC-9.5.28	Supplying and fixing First -Aid Hose Reel with MS construction spray painted in Post office Red, Conforming to Is 884 with upto date amendments, complete with the following as required.	1 No	6700
		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		
		b) 20mm (Nominal internal) dia gun metal ball/gate valve and nozzle. Makes:NEU-G/SANT / Safex.		
		c) Drum and brackets for fixing the equipments on wall.		
		d) Connections from riser with 25mm dia stop valve (gun metal) & MS pipe.		
646	ELEC-9.5.29	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:Minimax/Safex/Newage/Winco/Padmini/NewTech	1 No	2900

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
647	ELEC-9.5.30	Supply and fixing 63mm dia Gun metal branch pipe with 20mm (Nominal internal diameter) size Gun metal / SS nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required. Makes: Newage/ Winco/ Padmini / Safex / Minimax/NewTech	1 No	2300
648	ELEC-9.5.31	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: Newage/ Winco/ Padmini / Safex / Minimax/NewTech	1 No	8000
649	ELEC-9.5.32	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: Newage/ Winco/ Padmini / Safex / Minimax/NewTech	1 No	6000
650	ELEC-9.5.33	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	14300
651	ELEC-9.5.34	Providing fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68° C. pendent / side wall with required accessories. Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX	1 No	440
652	ELEC-9.5.35	Supply fixing, testing and commissioning of UL approved flexible dropper of 1.5 mtr length with required accessories Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX	1 No	1050
653	ELEC-9.5.36	Providing and fixing of Pressure Switch in the MS pipe Line including connection etc as required. Makes : Danfoss / Indfoss /Systemsensor/Honeywell	1 No	2250
654	ELEC-9.5.37	Providing and fixing Flow Switches in 100mm dia MS pipe. Makes : System Sensor / Switzer /Honeywell	1 No	4800
655	ELEC-9.5.38	Providing and fixing Flow Switches in 150 mm dia MS pipe. Makes : System Sensor / Switzer /Honeywell	1 No	6700
656	ELEC-9.5.39	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/cm2. MAKES: HGURU / FIEBIG	1 No	600
657	ELEC-9.5.40	Supply, installation, testing and commissioning of 25mm dia Gate valve Makes : Zoloto / Leader / SANT/NEU-G	1 No	1050
658	ELEC-9.5.41	Supply, installation, testing and commissioning of 25mm dia Ball valve Makes : Zoloto / Leader / SANT/NEU-G	1 No	580
659	ELEC-9.5.42	Supply, installation, testing and commissioning of 25 / 20mm dia Air Release Valve Makes : Zoloto / Leader /	1 No	1100

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
		SANT		
	ELEC-9.5.43	Supply, installation, testing and commissioning of Flexible Sprinkler hos of Size..... Makes : Tyko/Newage/HD		
	a	750mm to 800 mm	1 No	900
	b	1000 mm to 1200 mm	1 No	1050
	c	1500 mm	1 No	1250
660	ELEC-9.5.44	Providing, fixing, testing, commissioning of installation control valve of Cast iron body and brass / Bronze working parts comprising of water, motor alarm, bronze seat clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the Wet riser / Sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass , test control box, ball valves, Ms pipe of required size, flanges, orifice plate, gasket etc of size 150mm dia as required. Makes : HD / TYCO / NEWAGE	1 No	8500
661	ELEC-9.5.45	Supplying, installing, testing and commissioning approved make CI body Foot Valve with brass strainer with necessary flanges, nuts and bolts etc., complete on to the suction line.Rate as per the lowest quotation of Bharat Fire Safety Engineers. Makes:Normex /SANT		
	a	a) 200mm nominal dia	1 Ea	22300
	b	b) 150mm nominal dia	1 Ea	12000
	c	c) 100mm nominal dia	1 Ea	6700
	d	d) 80mm nominal dia	1 Ea	4600
	e	Supply and laying of 300mm dia NP2 RCC Hume pipe with Collars for Road crossings -As per Civil SoR		
662	ELEC-9.5.46	Supplying and wrapping the anticorrosive material for buried pipes with coating of Primer and wrapping with 4 mm thick polymer corrosion resistant tape as per IS : 10221 with 15 mm overlap as per specificatios. Make:IWL(PIPE KOT) or its equivalent		
	a	a) 200mm nominal dia	1 Mtr	400
	b	b) 150mm nominal dia	1 Mtr	300
	c	c) 100mm nominal dia	1 Mtr	#REF!
	d	d) 80mm nominal dia	1 Mtr	230
663	ELEC-9.5.47	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	63
		SECTION 10		
	10.1	GENERATORS SPECIFICATION		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
664	ELEC-10.1.1	<p>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.</p> <p>Alternator: It shall be self regulated, self excited and confirms to IS: 13364/1992 or latest version with regulation of +5% from No load to full load, IP23, with standard Alternator Protection(Over voltage, over speed & under voltage).</p> <p>Diesel Engine: It shall have residential silencer, up to 10 M exhaust piping , electronic / Mechanical governor, Manual & electric Start, Batteries, Fuel tank (with Stand) & piping, control panel (16 G) with MCCB (4P; 25 KA), Ammeter, Voltmeter, Frequency Meter, Energy Meter & Hour Meter, Engine instruments panel and AVM. The diesel engine shall be capable of providing 10% over load for 1 Hr for every 11 Hrs of continuous running at full load.</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 mm thick, All doors/ opening are sealed with neoprene/ EPDM gaskets.</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		
	a	15 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	340000
	b	30 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	440000
	c	40 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	548000
	d	62.5kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	660000
	e	125 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	860000
	(a to e)	Makes: Cummins/Koel Green/Sterling/mahindra		
	f	160 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	1280000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	g	200 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	1600000
	h	250 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	1960000
	i	320 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	2500000
	j	380 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	2890000
	(f to j)	Makes:Cummins/Koel Green/Sterling		
	k	500kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	3195000
	l	625 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	4000000
	m	750 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	4980000
	n	1000 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	6000000
	o	1250 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	8100000
	p	1500 kVA at 0.8 pf 415V 50Hz 3-Ø	1 No	9200000
	(k to p)	Makes:Caterpillar/Perkins/Cummins		
665	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 , 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		
	a	25 to 40 KVA		75000
	b	50 to 63.5 KVA		110000
	c	80 to 160 KVA		155000
	d	180 to 250 KVA		210000
	e	320 to 500 KVA		260000
		Electro-Mechanical Relay Based AMF Panel		
	f	25 to 63.5 KVA		55000
	f	80 to 180 KVA		92500
	g	200 to 500 KVA		135000
666	ELEC-10.1.3	Supply and fixing of Thermal Insulation With Asbestos Rope for Exhaust pipe	Mtr	251
667	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		
668	ELEC-11.1.1	Supply and installation of Inverter(home UPS system) pure sine wave out put, single phase input / Single phase output. Makes: Exide / Amar Raja / Samhitha/ Microtek		

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	a	800 VA, 12 V DC	1 No	8500
	b	1400 VA, 24 V DC	1No	12000
	c	2000 VA, 36 V DC	1No	17000
669	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: Numeric/APC/Consul Neowatt/Sakshham /Emerson		
	a	2.0 KVA , 36VDC	1 No	18500
	b	3.0 KVA , 72/96 VDC	1 No	30000
	c	3.0 KVA , 72/96 VDC with Isolation Transformer	1 No	36000
	d	6.0 KVA , 192/240 VDC with Isolation Transformer	1 No	62000
	e	7.0 KVA , 192/240 VDC with Isolation Transformer	1 No	75000
	f	10.0 KVA , 192-240 VDC with Isolation Transformer	1 No	90000
670	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: Numeric/APC/Consul Neowatt/Sakshham /Emerson		
	a	10.0 KVA 312/360 V DC	1 No	165000
	b	15.0 KVA 312/360 V DC	1 No	180000
	c	20.0 KVA 312/360 V DC	1 No	210000
	d	30.0 KVA 312/360 V DC	1 No	275000
	e	40.0 KVA 312/360 V DC	1 No	350000
671	ELEC-11.1.4	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: Mitsubishi/ Socomec /Schiender(APC)/ Legrand		
	a	60 KVA	1 No	650000
	b	80.0 KVA	1 No	850000
	c	100.0 KVA	1 No	985000

SL. NO.	ITEM CODE	DESCRIPTION OF ITEM	Unit	Basic Rate for SoR 2018-19
1	2	3	4	5
	d	120.0 KVA	1 No	1118000
	e	160.0 KVA	1 No	1248000
	f	200.0 KVA	1 No	1274000
672	ELEC-11.1.5	Supply and providing of UPS cum battery rack up to 4 batteries	1 No	1500
673	ELEC-11.1.6	Supply and providing of battery rack for 5 to 10 batteries (42 AH)	1 No	3000
674	ELEC-11.1.7	Supply and providing of battery rack upto 11 to 20 batteries (42 AH)	1 No	5000
675	ELEC-11.1.8	Supply and providing of battery rack upto 20 to 30 batteries (65 & 100 AH)	1 No	9000
676	ELEC-11.1.9	Supply and fixing of 12V 26 AH SMF battery with 3 years Warrenty, including wire leads ,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	3000
677	ELEC-11.1.10	Supply and fixing of 12V 42 AH SMF battery with 3 years Warrentyincluding wire leads ,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	4660
678	ELEC-11.1.11	Supply and fixing of 12V 65 AH SMF battery with 3 years warrenty including wire leads ,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	6810
679	ELEC-11.1.12	Supply and fixing of 12V 100 AH SMF battery with 3 years warrenty including wire leads,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	10440
680	ELEC-11.1.13	Supply and fixing of 12V 120 AH SMF battery with 3 years warrenty including wire leads,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	11160
681	ELEC-11.1.14	Supply and fixing of 12V, 150 AH SMF battery with 3 years warrentyincluding wire leads,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	15600
682	ELEC-11.1.15	Supply and fixing of 12V, 200 AH SMF battery with 3 years warrenty including wire leads ,connections etc complete., Makes: Quanta / Racket / Exide.	1 No	21600
683	ELEC-11.1.16	Supply and fixing of 12V, 120 AH MF battery including wire leads Makes: Amar Raja (Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	1 No	9500
684	ELEC-11.1.17	Supply and fixing of 12V, 150 AH MF battery including wire leads Makes: Amar Raja (Power Zone) or Equivalent model of Exide / Panasonic / Gotech.	1 No	12000

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

Procs.No. ENC(B)/DEE-3/AEE9/SoR: 2018-19

Dt: 29.06.2018.

Sub:- Printing of Buildings-SoR for all the Engineering Departments specific to the functioning of Building works – Buildings-SoR:2018-19 – Communication of Buildings-SoR – Reg.,

Ref:- 1. G.O.Rt.No.95, T, R&B (R.1) Dept, dt:18.01.2015.
2. Minutes of Committee of Chief Engineers meetings for finalizing the Building-SoRs held on Dt:27.06.2018

The Government of Andhra Pradesh have constituted a Committee of Chief Engineers of Engineering departments dealing with Building works for finalizing and communicating Buildings-SoR (Civil & Electrical) vide G.O. 1st cited. In accordance therewith the Committee of Chief Engineers has finalized and approved the Buildings-SoR: 2018-19 in the Minutes of Meeting held on Dt.27.06.2018.

The rates for the Building items (Civil, Water Supply & Sanitary and Electrical items) are to be followed henceforth by all the concerned departments for building works. The rates of Labour, Common Material & Work items, Public Health items, Conveyance Rates of Materials & Hire charges approved and published in Common SoR-2018-19 remain applicable. No other items other than the items communicated in this Buildings-SoR2018-19and Common SoR-2018-19shall be introduced.

The Heads of Departments mentioned below are authorized to print the Buildings-SoR: 2018-19. The unauthorized printing & selling of the Buildings-SoR is strictly prohibited.

The revised rates will come into force with immediate effect.

The receipt of the proceedings may please be acknowledged.

Enclosed: Buildings SoR: 2018-19 as above

M. Subba Rao
Sd /- 29.06.2018
Chief Engineer (R&B) Buildings&RSW
Convener-Member,
Committee of Chief Engineers-Buildings-SoR

To

1. Chief Engineer (RSW & Buildings), Roads & Buildings Department, MG Road, Vijayawada.
2. Chief Engineer (R&B) (Electrical), R&B Department, MG Road, Vijayawada.
3. Engineer-in-Chief, Public Health Department, Mahatma Gandhi Inner Ring Rd, Gorantla, Guntur-522034.
4. Engineer-in-Chief (P.R.), Panchayat Raj Department, D.No.3-20/4,Tankasala Kalyana Mandapam, Enikepadu, Vijayawada.
5. Engineer-in-Chief, Tribal Welfare & Social Welfare Department, Plot No.401 & 402, Garuda Enclave, Tadepalli, Guntur District
6. Chief Engineer (Civil), Tirupathi Tirumala Devasthanams, Tirupati
7. Chief Engineer (AP Housing Board) Flat No.101, Vijayalakshmi residency, ESI Hospital Road, Gunadala, Vijayawada.

8. Chief Engineer (Housing Corporation) 12-52, Prasadampadu, Opp. to Tankasala Kalyana Mandapam, Enikepadu, Vijayawada.
9. Chief Engineer(APSRTC), RTC House, 1st floor of PNBS, Vijayawada.
10. Chief Engineer(APMSIDC), Illrd Floor, DM&HS Campus, Sultanbazar, Koti, Hyderabad.
11. Chief Engineer (AP Police Housing & Welfare Corporation), Labbipet, Vijayawada
12. Chief Engineer, Vijayawada Municipal Corporation, Vijayawada.

Copy also to

1. Engineer-in-Chief(Admn, NH, CRF), R&B Department, MG Road, Vijayawada
2. Engineer-in-Chief (IW)I&CAD, Irrigation Department, Ramavarapadu, Vijayawada-520008.
3. Chief Engineer (COT), 76-16-4A/1, 1st floor, Iron Yard, Opp. to Ramayalam, Vijayawada-520012.
4. Chief Engineer (MDRs) R&B Department, MG Road, Vijayawada
5. Chief Engineer (RRs&LWE) R&B Department, MG Road, Vijayawada
6. Chief Engineer (QC), R&B Department, MG Road, Vijayawada

Chief Engineer (R&B) Buildings & RSW