

Order Inviting Authority: Superintending Engineer Electricity Civil Distribution Circle, PVVNL, Meerut.

Name of Work: Roof Treatment work & Renovation of SGR Building at 33/11 K.V S/S Meetli Distt- Baghpat.

T.S. No: 24/ECDC/MRT/2022-23

PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Item Description	Quantity	Units	Estimated Rate In Rs. P	TOTAL AMOUNT In Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	7	8
1	Excavation in foundation in ordinary soil (loam, clay or sand) including lift upto 1.5 Metre and lead upto 30 metre including filling, watering, and ramming of excavated earth into the trenches or into the space between the building and the side of the foundation or in to the plinth and removal & disposal of surplus earth as directed by the E/I up to a distance of 30m from the foundation trenches. CSI No. 4.01	9.00	Cum	172.00	1548.00	INR One Thousand Five Hundred & Forty Eight Only
2	Concrete with 4cm gauge stone ballast, coarse sand (F.M. 1.8 to 2.5) & cement in proportion of 12:6:1 in foundations & under floors including supply of all materials, labour and tools and plants etc. required for proper completion. CSI No. 5.02	2.00	Cum	4971.00	9942.00	INR Nine Thousand Nine Hundred & Forty Two Only
3	Cement concrete with 2cm gauge approved hard stone ballast, coarse sand (F.M. 1.8 to 2.5) and cement in proportion of 4:2:1 including supply of all materials, labour, side shuttering if required and T&P etc. required for proper completion of work. CSI No. 5.06	0.50	Cum	6520.00	3260.00	INR Three Thousand Two Hundred & Sixty Only
4	Concreting of 40 mm thick RCC trench covers in mild steel frame work with RCC 1:1.5:3 in Cement, Chohan coarse sand (F.M. 1.8 to 2.5) and 2cm gauge graded hard stone ballast with 3mm thick floating coat of neat cement finish on top of cover complete with all labour, materials and placing the same in proper position at required location of cable trench within the substation area. CSI No. 5.18	6.00	Sqm	326.00	1956.00	INR One Thousand Nine Hundred & Fifty Six Only
5	1st class brick (not less than class 150) work in 1:6 C.M. with cement and coarse sand (2.9 to 3.2 F.M) mortar in foundation and plinth including supply of all material, labour and T&P etc. required for proper completion of work. CSI No. 6.01	2.40	Cum	4518.00	10843.20	INR Ten Thousand Eight Hundred & Forty Three and Paise Twenty Only
6	1st class brick work in 1:6 C.M. with cement and coarse sand of 2.25 F.M. mortar in super structure including necessary cutting and moulding of brick as required including honey comb brick work, thickness of wall one brick (230mm) thick in super structure. CSI No. 6.01+6.08	0.50	Cum	4820.00	2410.00	INR Two Thousand Four Hundred & Ten Only
7	Same as item no. 06 above but for wall of half brick 4.5" (115 mm) thick but in 1:6 C.M. with cement and coarse sand of 2.25 F.M. mortar. CSI No. 6.01+6.09	0.90	Cum	4971.00	4473.90	INR Four Thousand Four Hundred & Seventy Three and Paise Ninety
8	Supply and fixing galvanised mosquito proof jali (16x24 gauge) with M.S. flat of 20 x 3 mm size, on both sides screwed or welded to window or door frame. CSI No. 9.18	20.00	Sqm	632.00	12640.00	INR Twelve Thousand Six Hundred & Forty Only
9	Mild Steel or Iron work in heavy sizes such as trusses built up gates, door frames, record, racks roof work gates etc. wrought to required form including holes rivetting or welding where necessary and also fixing in proper position and alignment including cost of all materials supplied by contractor. CSI No. 9.01	0.13	M.T.	83076.00	10799.88	INR Ten Thousand Seven Hundred & Ninety Nine and Paise Eighty Eight Only
10	12 mm thick plaster with cement mortar consisting of one part of cement & three part of coarse sand (1:3), minimum thickness not to be less than 10 mm including supply of all material labour and T&P etc for proper completion of work. CSI No. 11.06	80.00	Sqm	194.00	15520.00	INR Fifteen Thousand Five Hundred & Twenty Only
11	12 mm thick plaster with cement mortar consisting of one part of cement & four part of coarse sand (1:4), minimum thickness not to be less than 10 mm including supply of all material, labour and T&P etc for proper completion of work. CSI No. 11.07	85.00	Sqm	178.00	15130.00	INR Fifteen Thousand One Hundred & Thirty Only
12	Add for extra labour to all items of plaster if done in ceiling. CSI No. 11.10	28.00	Sqm	21.40	599.20	INR Five Hundred & Ninety Nine and Paise Twenty Only
13	Add for extra labour and materials for plaster over rough face of one brick thick wall. CSI No. 11.12	34.00	Sqm	24.00	816.00	INR Eight Hundred & Sixteen Only
14	Engraving lines in the plaster of the outer face wall vertically and horizontally to display the surface as stone facing as directed by the engineer incharge including labour and T&P etc. required for proper completion of the work (Add for extra labour and T&P etc. required for proper completion of the work (Add for extra labour to all items of plaster) CSI No. 11.14	35.00	Sqm	35.00	1225.00	INR One Thousand Two Hundred & Twenty Five Only

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	Making drip course (25x12) mm in 1:2 cement and coarse sand including supply of all materials, labour and T&P etc required for proper completion of work. CSI No. 11.19	25.00	RM	11.00	275.00	INR Two Hundred & Seventy Five Only
16	40 cm thick 1:2:4 plain cement concrete floor with cement, approved coarse sand & 2cm graded approved stone ballast laid in panels finished with 3mm floating coat of neat cement or cement and marble dust in ratio of 5:1 as specified and removing any overlapping mortar at the joints of the panels if any and giving them a uniform finish including supply of all materials, labour and T&P etc, required for proper completion of the work. without base CC. CSI No. 12.04	30.00	Sqm	386.00	11580.00	INR Eleven Thousand Five Hundred & Eighty Only
17	Supply and Laying 6 mm thick glazed tiles in skirting / dado laid with 1:3 cement and approved coarse sand mortar finished with white cement slurry, jointing and polishing complete, including supply of all materials, labour and T&P etc. completion required for proper completion of the work. CSI No. 12.12	12.00	Sqm	719.00	8628.00	INR Eight Thousand Six Hundred & Twenty Eight Only
18	Providing and fixing glass strips of 3.15 mm thickness & 40mm depth in joints of floor and skirting at the time of laying floors, flush with floor level including supply of all materials, labour & T&P etc. required for proper completion of work. CSI No. 12.14	25.00	RM	31.00	775.00	INR Seven Hundred & Seventy Five Only
19	Providing and laying 18 mm. thick Kota stone in flooring or skirting over base cement mortar 1:4 mix and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing complete and including supply of all materials labour and T&P etc required for proper completion of the work. CSI No. 12.17	13.00	Sqm	1114.00	14482.00	INR Fourteen Thousand Four Hundred & Eighty Two Only
20	Painting or varnishing new iron work in small areas or new wood work with one coat of ready mixed priming paint and one coat of approved superior quality ready mix paint "Luxol" or equivalent brand or varnish including supply of all materials, labour and T&P etc. required for proper completion of the work. Paint to be used should conform to the I.S. 103-1950 CSI No. 13.01	40.00	Sqm	71.00	2840.00	INR Two Thousand Eight Hundred & Forty Only
21	Same as item No. 20 above but for every coat after 1st coat. CSI No. 13.02	40.00	Sqm	35.00	1400.00	INR One Thousand Four Hundred Only
22	Same as item no. 20 above but every coat on previously painted old wood or steel work. CSI No. 13.03	240.00	Sqm	47.00	11280.00	INR Eleven Thousand Two Hundred & Eighty Only
23	Applying Birla or equivalent putty on new interior or exterior surface over one coat of water based cement primer of ICI or equivalent brand for smoothening and levelling of the surface as per requirement and direction of Engineer I/C including cost of all material, labour, T & P etc required for proper completion of work. CSI No. 13.20	225.00	Sqm	84.00	18900.00	INR Eighteen Thousand Nine Hundred Only
24	Applying BIRLA PUTTY or equivalent putty on previously bila putty smoothen surface over one coat of water base cement primer of ICI or equivalent brand for smoothening and leveling of the surface as per requirement and direction of E/I including cost of all material, labour and T&P required for proper completion of work. CSI No. 13.21	450.00	Sqm	41.00	18450.00	INR Eighteen Thousand Four Hundred & Fifty Only
25	Painting one coat with APEX or equivalent brand weather coat paint on previously treated surfaces (well prepared with Birla putty and one coat of primer ICI or equivalent which shall be paid separately) including through washing with water including cost of all materials, labour, T&P required for proper completion of work. CSI No. 13.24	40.00	Sqm	62.00	2480.00	INR Two Thousand Four Hundred & Eighty Only
26	Same as in item no 13.24 above but for every coat of additional APEX or equivalent brand weather coat paint. CSI No. 13.23	240.00	Sqm	41.00	9840.00	INR Nine Thousand Eight Hundred & Forty Only
27	Painting one coat with APEX or equivalent brand weather coat paint on new wall surfaces (well prepared with Birla putty and one coat of primer ICI or equivalent which shall be paid separately) including through washing with water including cost of all materials, labour, T&P required for proper completion of work. CSI No. 13.22	200.00	Sqm	90.00	18000.00	INR Eighteen Thousand Only
28	One priming coat and one coat oil bound distemper on new work including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 13.08	227.00	Sqm	65.00	14755.00	INR Fourteen Thousand Seven Hundred & Fifty Five Only
29	Same as item No. 28 above but for every coat after the first coat. CSI No. 13.09	477.00	Sqm	27.00	12879.00	INR Twelve Thousand Eight Hundred & Seventy
30	Same as item No. 28 above but for every coat on previously old distempered surface. CSI No. 13.10	250.00	Sqm	33.00	8250.00	INR Eight Thousand Two Hundred & Fifty Only
31	Dismantling brick work or stone work in lime or cement mortar and including stacking of materials as directed by the Engineer-in-charge within a distance of 60 metres. CSI No. 15.01	0.40	Cum	505.00	202.00	INR Two Hundred & Two Only
32	Dismantling reinforced cement concrete or reinforced brick work, including stacking of dismantled materials as directed by the Engineer-In-charge within a distance of 60 metres. CSI No. 15.03	12.00	Cum	1128.00	13536.00	INR Thirteen Thousand Five Hundred & Thirty Six Only

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	Dismantling existing plaster including disposal of refuse as directed by the Engineer-I/C within a distance of 60 M. CSI No. 15.11	40.00	Sqm	41.00	1640.00	INR One Thousand Six Hundred & Forty Only
34	Scrapping old white or colour wash or distemper including disposal of refuse as directed by the Engineer-I/C within a distance of 60 M. CSI No. 15.12	340.00	Sqm	13.00	4420.00	INR Four Thousand Four Hundred & Twenty Only
35	Supply and fixing of submersible cable Havels or equivalent make, for submersible pump complete in all respect. (b) 2.5 mm ² for pump above 1 HP and up to 3 HP CSI No. 19.33 (b)	10.00	RM	102.00	1020.00	INR One Thousand & Twenty Only
36	Renewing panes of 4.8 to 5.7 mm glass including supply of glass with putty and brads including supply of all materials, labour and T&P etc. required for proper completion of the work. (a) glass of 4 mm thick. CSI No. 20.04 (b)	2.50	Sqm	836.00	2090.00	INR Two Thousand & Ninety Only
37	Wiring point for fan/fresh air fan (light duty exhaust fan) 1.5 sq. mm FR PVC insulated multistrand single core copper conductor cable PVC conduit pipe concealed in the wall. 14 SWG copper earth continuity wire and approved quality, piano type switch & ceiling rose as per approved sample on 3mm thick phenolic laminated bakelite sheet etc. of matching shade with wall colour complete in all respects as per direction of E/I. CSI No. 21.03	1.00	Nos	596.00	596.00	INR Five Hundred & Ninety Six Only
38	Wiring point for plug with 1.5 sq. mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit pipe concealed in the wall 14 SWG copper earth continuity wire and approved quality type switch and socket as per approved sample etc. of matching shade with wall colour complete in all respects as per direction of E/I CSI No. 21.04	2.00	Nos	278.00	556.00	INR Five Hundred & Fifty Six Only
39	Supply and fixing of power plug with 15A/240V V flush type switch and 5 pin 15A/250V flush type universal socket in suitable M.S. box of 175mmx 100mmx50mm size with phenolic laminated bakelite sheet cover 3mm thick fixed with brass machine screw and cup washer. CSI No. 21.20	1.00	Nos	276.00	276.00	INR Two Hundred & Seventy Six Only
40	Providing and fixing 15 mm dia B-class Jindal, JTC, ISI marked G.I. pipes complete with special such as bend, tee, socket, cross, clamp etc earth work including filling the trenches etc required for proper completion of the work. the rate also includes concealed GI fitting where required, cutting and making good the walls etc and all materials, labour and T&P complete. CSI No. 26.01 (a)	3.00	RM	190.00	570.00	INR Five Hundred & Seventy Only
41	Same as item No. 40 but for 20 mm dia. CSI No. 26.01 (b)	25.00	RM	226.00	5650.00	INR Five Thousand Six Hundred & Fifty Only
42	Providing and fixing GM Full way Gate Valve 20 mm dia with wheel, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.04 (b)	3.00	Nos	631.00	1893.00	INR One Thousand Eight Hundred & Ninety Three Only
43	P/F GI UNIONS 20 mm NOMINAL BORE, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.10 (b)	2.00	Nos	120.00	240.00	INR Two Hundred & Forty Only
44	Supply and fixing of Syntex or equivalent make water storage tank including all materials, labours, T&P etc required for proper completion of work. CSI No. 26.12	500.00	Ltr	11.00	5500.00	INR Five Thousand Five Hundred Only
45	P/F BRASS STOP COCK, 15 mm dia ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.14	1.00	Nos	226.00	226.00	INR Two Hundred & Twenty Six Only
46	Providing and fixing CP BRASS BIB COCK 15 mm dia. HEAVY QUALITY (400gm) (L & K and equi.) fittings, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.16 (a)	2.00	Nos	660.00	1320.00	INR One Thousand Three Hundred & Twenty Only
47	Same as item No. 46 CP BRASS Angle Valve HEAVY QUALITY (L&K or equi.). CSI No. 26.16 (i)	2.00	Nos	571.00	1142.00	INR One Thousand One Hundred & Forty Two Only
48	Same as item No. 46 CP BRASS Pillar cock HEAVY QUALITY (L&K or equi.). CSI No. 26.16 (j)	1.00	Nos	628.00	628.00	INR Six Hundred & Twenty Eight Only
49	Providing and fixing of 110 mm dia PVC pipe 6 Kg/ Sq.cm for with special such as Tee, bend, socket, elbow etc including supply of all labour, material, T & P etc complete required for proper completion of work. CSI No. 26.17	10.00	RM	257.00	2570.00	INR Two Thousand Five Hundred & Seventy Only
50	Providing and fixing first quality white glazed "Orissa" pattern W.C. Pan Hindustan, Cera make, size 580 mm (Hindustan, Cera Make) with out "P" trap including supply of all materials, labour and T&P etc complete. CSI No. 27.01	1.00	Nos	2354.00	2354.00	INR Two Thousand Three Hundred & Fifty Four Only
51	Providing and fixing 510X400 mm wash hand basin of white glazed earthen ware first quality ISI marked (Hindustan, Neycer / Cera make) including supply of all materials, labour and T&P etc required for proper completion of the work. CSI No. 27.09	1.00	Nos	3056.00	3056.00	INR Three Thousand & Fifty Six Only
52	Providing and fixing 600 mm x 450 mm beveled edge mirror of Atul, Kiran make glass with Indian polish 6.50 mm thick complete with back of 600 mm x 450 mm x 6 mm hard board sheet fixed to wooden cleats with C.P. brass screws and washers including supply of all materials, labour and T&P etc required for proper completion of the work. CSI No. 27.15	1.00	Nos	962.00	962.00	INR Nine Hundred & Sixty Two Only

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	Providing and fixing 750 mm x 20 mm size C.P. brass towel rail of approved quality including brackets including supply of all materials,labour and T&P etc. required for proper completion of the work and cutting and making good the wall plaster etc. CSI No. 27.16	1.00	Nos	609.00	609.00	✓	INR Six Hundred & Nine Only
54	Providing and fixing soap dish chromium plated with brackets fixed to wooden cleats with brass screws including supply of all materials,labour and T&P etc required for proper completion of the work. CSI No. 27.19	1.00	Nos	265.00	265.00	✓	INR Two Hundred & Sixty Five Only
55	Supply and fixing CP Nahani Trap India make of heavy approved quality complete with CI grating. including supply of all materials,labour and T&P etc. required for proper completion of the work. CSI No. 27.21 (a)	2.00	Nos	761.00	1522.00	✓	INR One Thousand Five Hundred & Twenty Two Only
56	Providing and fixing 100 mm dia white glazed "P" or "S" trap including cement concrete and all materials, labour cartage T&P etc.required for proper completion of the work.(For W.C.). CSI No. 27.23	1.00	Nos	693.00	693.00	✓	INR Six Hundred & Ninety Three Only
57	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless.cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm. CSI No. 28.28	172.00	Sqm	932.00	160304.00	✓	INR One Lakh Sixty Thousand Three Hundred & Four Only
58	Supply and fixing 1200mm size sweep ceiling fan (G.E.C./ Polar/Crompton /Usha or equivalent approved make) with double ball bearing, step type electronic regulator, necessary wire and 900 mm long hanging rod with double Canopy etc. including testing and commissioning as per direction of Engineer-in-charge. NSI	5.00	Nos	1785.00	8925.00	✓	INR Eight Thousand Nine Hundred & Twenty Five Only
59	Circuit wiring using 2 runs of 4.0 sq.mm+ 1 run of 2.5 sqmm PVC insulated copper wire drawn in 25mm dia 2 mm thick PVC conduits Power circuits being reckoned from distribution board to first Power control switch Boards. (for power points 15 Amp) PSI No. 221 (c)	17.00	RM	122.00	2074.00	✓	INR Two Thousand & Seventy Four Only
60	Supply and fixing 6A to 32A SP MCB C curve- 10 KA PSI No. 1002	5.00	Nos	132.00	660.00	✓	INR Six Hundred & Sixty Only
61	d) 63 Amp. Isolator	1.00	Nos	148.00	148.00	✓	INR One Hundred & Forty Eight Only
62	Surface flush mounted 8 ways S.P.N. distribution board. CSI No 21.19	1.00	Nos	512.00	512.00	✓	INR Five Hundred & Twelve Only
63	Water Proofing coat with 3mm thick neat cement layer including 200ml water proofing compound like as Dr. Fixit and other equivalent with all labour T&P. NSI	172.00	Sqm	80.00	13760.00	✓	INR Thirteen Thousand Seven Hundred & Sixty Only
Total in Figures					485896.18		INR Four Lakh Eighty Five Thousand Eight Hundred & Ninety Six and Paise Eighteen Only
Quoted Rate in Figures						0.00	INR Zero Only
Quoted Rate in Words					Select		INR Zero Only

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