

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

Name of Work: Roof Treatment, Repair & Painting work and Miscellaneous Civil work of Electricity Distribution Circle-I Meerut at Victoria Park, Meerut.

T.S. No: 13/ECDC/MRT/2022-23

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	Excavation in foundation in ordinary soil (Loam Clay or Sand) including lift upto 1.5m and lead upto 30m and including filling, watering and ramming of excavated earth into the trenches or into the space between the building and sides of the foundation work. CSI.No. 4.01	6.00	Cum	172.00	1032.00	INR One Thousand & Thirty Two 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	0.50	Cum	4971.00	2485.50	INR Two Thousand Four Hundred & Eighty Five and Paise Fifty 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	1.00	Cum	6520.00	6520.00	INR Six Thousand Five Hundred & Twenty Only
4	Precast cement concrete door sills, chaukhats boundary posts, shelves and similar small work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast in the proportion 1:2:4, excluding reinforcement but including fixing the same in position including cost of all other material, labor and T&P. CSI No. 5.09	0.50	Cum	7970.00	3985.00	INR Three Thousand Nine Hundred & Eighty Five 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	0.60	Cum	4518.00	2710.80	INR Two Thousand Seven Hundred & Ten and Paise Eighty 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	0.30	Cum	4820.00	1446.00	INR One Thousand Four Hundred & Forty Six 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	0.70	Cum	4971.00	3479.70	INR Three Thousand Four Hundred & Seventy Nine and Paise Seventy
8	Brick work in foundation & plinth with old dismantled bricks (supplied by department free of cost) and coarse sand of F.M. 1.8 to 2.5 mortar in 1:6 including supply of all other materials, labour, removing mortar & cleaning of old & used bricks, T&P etc complete. CSI No. 6.18	1.10	Cum	2572.00	2829.20	INR Two Thousand Eight Hundred & Twenty Nine and Paise Twenty Only
9	Supply and fixing Stainless.Steel mosquito proof heavy quality iron wire mesh of 15x28 G over windows and including supply of Shisham wood battens (40x15) mm size and including supply and fixing of necessary screws all materials, labour and T&P etc. required for proper completion of the work. CSI No. 8.43	5.00	Sqm	1058.00	5290.00	INR Five Thousand Two Hundred & Ninety Only
10	Supply and fixing of 32 mm thick single leaf flush door shutter (boiled water resistance, phenol maldehyde resin bonded, hot pressed factory made) commercial quality to I.S.2202 part-1 (1983) ISI marked including fixing of wooden cleats and stoppers and including fixing and adjustment of hinges, bolts, locks, handles, springs and other fittings but excluding their supply including all materials, labour & T&P etc. required for proper completion of work. CSI No. 8.57	2.00	Sqm	1915.00	3830.00	INR Three Thousand Eight Hundred & Thirty Only
11	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	0.05	M.T.	83076.00	4153.80	INR Four Thousand One Hundred & Fifty Three and Paise Eighty Only
12	TMT/Tor steel in plain work such as reinforced concrete or reinforced brick work (when not included in an over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage, bend, hooks and authorized overlapping shall be measured. (Steel shall be arranged by the contractor). CSI No. 9.03	0.10	M.T.	74620.00	7462.00	INR Seven Thousand Four Hundred & Sixty Two Only
13	Supply and laying water proof craft paper in double layer with grease. Including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 10.09	10.00	Sqm	151.00	1510.00	INR One Thousand Five Hundred & Ten Only

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14	Supply and painting of 85/25 grade bitumen paint over roof @ 1.7 Kg/ sq m. and spreading 6 mm. size grit over it @ 1 cft /100 Sq Ft. including sweeping, cleaning the roof with brush, heating the paint to required temperature and supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 10.12	5.00	Sqm	204.00	1020.00	INR One Thousand & Twenty Only
15	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	17.28	Sqm	194.00	3352.32	INR Three Thousand Three Hundred & Fifty Two and Paise Thirty Two Only
16	Same as item No. 15 above but with 1:6 cement and coarse sand mortar. CSI No. 11.09	20.00	Sqm	169.00	3380.00	INR Three Thousand Three Hundred & Eighty Only
17	Providing (12x15) mm section groove in plaster including all material, labour and T&P etc. required for proper completion of the work. CSI No. 11.16	75.00	RM	12.00	900.00	INR Nine Hundred Only
18	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	35.00	RM	11.00	385.00	INR Three Hundred & Eighty Five Only
19	3 mm thick floating coat of neat cement finish including supply of all materials, labour and T&P etc. required for proper completion of the work. (cement consumption 0.044 bag/Sq.m.) CSI No. 11.20	44.00	Sqm	19.00	836.00	INR Eight Hundred & Thirty Six Only
20	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	5.00	Sqm	386.00	1930.00	INR One Thousand Nine Hundred & Thirty Only
21	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	8.10	Sqm	719.00	5823.90	INR Five Thousand Eight Hundred & Twenty Three and Paise Ninety Only
22	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	35.00	RM	31.00	1085.00	INR One Thousand & Eighty Five Only
23	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	1.00	Sqm	1114.00	1114.00	INR One Thousand One Hundred & Fourteen Only
24	Supply of 80 mm thick I shaped mechanically compressed inter locking cement concrete paver block manufactured by high pressure & controlled vibration machine having plan dimension 200X(160+120 mm) with minimum 5 mm thick topping of O.P. Cement mixed with 25% marble powder. The compressive strength of concrete pavers blocks shall not be less than 30 MPa & 4.5 Kg/No. including cost of all material, labour, T&P etc. required for proper completion of work as directed by Engineer-in-charge but excluding G.S.T. which shall be paid extra as per rules. CSI No. 12.23	1.00	Sqm	974.00	974.00	INR Nine Hundred & Seventy Four Only
25	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	5.00	Sqm	71.00	355.00	INR Three Hundred & Fifty Five Only
26	Same as item No. 25 above but for every coat after 1st coat. CSI No. 13.02	87.00	Sqm	35.00	3045.00	INR Three Thousand & Forty Five Only
27	Same as item no. 25 above but every coat on previously painted old wood or steel work. CSI No. 13.03	87.00	Sqm	47.00	4089.00	INR Four Thousand & Eighty Nine Only
28	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	5.00	Sqm	84.00	420.00	INR Four Hundred & Twenty Only
29	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	832.00	Sqm	41.00	34112.00	INR Thirty Four Thousand One Hundred & Twelve Only
30	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	445.00	Sqm	62.00	27590.00	INR Twenty Seven Thousand Five Hundred & Ninety Only
31	Same as in item no 30 above but for every coat of additional APEX or equivalent brand weather coat paint. CSI No. 13.23	445.00	Sqm	41.00	18245.00	INR Eighteen Thousand Two Hundred & Forty Five Only
32	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	5.00	Sqm	65.00	325.00	INR Three Hundred & Twenty Five Only

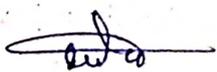

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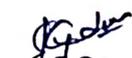

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33	Same as item No. 32 above but for every coat after the first coat. CSI No. 13.09	1055.00	Sqm	27.00	28485.00	INR Twenty Eight Thousand Four Hundred & Eighty Five Only
34	Same as item No. 32 above but for every coat on previously old distempered surface. CSI No. 13.10	1050.00	Sqm	33.00	34650.00	INR Thirty Four Thousand Six Hundred & Fifty Only
35	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	2.00	Cum	505.00	1010.00	INR One Thousand & Ten Only
36	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	1.00	Cum	1128.00	1128.00	INR One Thousand One Hundred & Twenty Eight Only
37	Dismantling cement concrete or brick or granolithic floors including base concrete and including stacking of dismantled materials as directed by the Engineer In-charge within a distance of 60 metres. CSI No. 15.05	228.80	Sqm	58.00	13270.40	INR Thirteen Thousand Two Hundred & Seventy and Paise Forty Only
38	Dismantling doors and windows chowkhats including stacking of materials as directed by Engg-in-Charge within a distance of 60 meters. CSI No. 15.10	30.00	Sqm	69.00	2070.00	INR Two Thousand & Seventy Only
39	Dismantling existing plaster including disposal of refuse as directed by the Engineer-I/C within a distance of 60 M. CSI No. 15.11	90.00	Sqm	41.00	3690.00	INR Three Thousand Six Hundred & Ninety Only
40	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	1620.00	Sqm	13.00	21060.00	INR Twenty One Thousand & Sixty Only
41	Repair to plaster or pointing in patches including removal of old plaster racking out joints to 1 cm. (3/8") depth, watering the area and then replastering or reappointing with the same mortar or proportion of mortar as the existing surface including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 20.02	10.00	Sqm	223.00	2230.00	INR Two Thousand Two Hundred & Thirty Only
42	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)	5.00	Sqm	836.00	4180.00	INR Four Thousand One Hundred & Eighty Only
43	Cleaning of septic tank including disposal of waste out side the UPPCL area as per direction of the Engineer-in-charge including cost of all labour, T&P etc. required for proper completion of the work. CSI No. 20.12	2.00	Nos	1667.00	3334.00	INR Three Thousand Three Hundred & Thirty Four Only
44	Supply and replacing of following chromium polished iron fittings including cost of nuts, bolts etc. complete. (a) L drops 16 mm dia x 300 long CSI No. 20.17 (a)	3.00	Nos	187.00	561.00	INR Five Hundred & Sixty One Only
45	Same as item No. 44 above but for (c) Tower bolts 10 mm dia x 100 mm long. CSI No. 20.17 (c)	3.00	Nos	64.00	192.00	INR One Hundred & Ninety Two Only
46	Same as item No. 44 above but for (d) Iron hinges 100 mm size. 12 gauge. thick. CSI No. 20.17 (d)	5.00	Nos	77.00	385.00	INR Three Hundred & Eighty Five Only
47	Same as item No. 44 above but for (f) M.S. handles 100 mm size. CSI No. 20.17 (f)	2.00	Nos	39.00	78.00	INR Seventy Eight Only
48	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)	25.00	RM	190.00	4750.00	INR Four Thousand Seven Hundred & Fifty Only
49	Same as item No. 48 but for 20 mm dia. CSI No. 26.02(b)	3.00	RM	226.00	678.00	INR Six Hundred & Seventy Eight Only
50	Providing and fixing full way 15mm dia G.M. gate valve 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(a)	2.00	Nos	451.00	902.00	INR Nine Hundred & Two Only
51	Providing and fixing PVC BALL FLOAT VALVE 15 mm dia. WITH BRASS & UNION COMPLETE, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.06(a)	2.00	Nos	242.00	484.00	INR Four Hundred & Eighty Four Only
52	Providing and fixing PVC CONNECTION PIPE, 300X15 with 2 brass units ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.09	1.00	Nos	96.00	96.00	INR Ninety Six Only
53	P/F GI UNIONS NOMINAL BORE 15 mm, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.10(a)	2.00	Nos	102.00	204.00	INR Two Hundred & Four Only
54	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	Lit	11.00	5500.00	INR Five Thousand Five Hundred Only
55	Providing and fixing CP BRASS BIB COCK 15 mm dia. HEAVY QUALITY (200gm) (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 (b)	5.00	Nos	420.00	2100.00	INR Two Thousand One Hundred Only

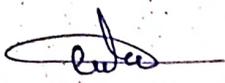

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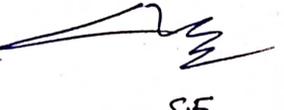
56	Providing and fixing CP BRASS Angle Valve HEAVY QUALITY (L&K or equ.) fittings, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.16 (I)	6.00	Nos	571.00	3426.00	INR Three Thousand Four Hundred & Twenty Six Only
57	Providing and fixing CP BRASS Piller cock HEAVY QUALITY (L&K or equ.) fittings, ISI mark heavy quality including supply of all materials, labour and T&P required for proper completion of work. CSI No. 26.16 (J)	2.00	Nos	628.00	1256.00	INR One Thousand Two Hundred & Fifty Six Only
58	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	55.00	RM	257.00	14135.00	INR Fourteen Thousand One Hundred & Thirty Five Only
59	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
60	Same as in item no. 27.01 but of European type. CSI No. 27.02	1.00	Nos	3154.00	3154.00	INR Three Thousand One Hundred & Fifty Four Only
61	Providing and fixing 550X400 mm wash hand basin of white glazed earthen ware first quality I.S.I. marked (Hindustan,Neycer / Cera make) including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 27.08	1.00	Nos	3156.00	3156.00	INR Three Thousand One Hundred & Fifty Six Only
62	Providing and fixing 10 litres low level PVC flushing cistern, COMPLETE WITH ALL FITTINGS including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 27.12	2.00	Nos	1320.00	2640.00	INR Two Thousand Six Hundred & Forty Only
63	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	2.00	Nos	265.00	530.00	INR Five Hundred & Thirty Only
64	Supply and fixing 100 mm.PVC 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(b)	2.00	Nos	561.00	1122.00	INR One Thousand One Hundred & Twenty Two Only
65	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	212.00	Sqm	932.00	197584.00	INR One Lakh Ninety Seven Thousand Five Hundred & Eighty Four Only
66	P/F openable steel glazed windows and ventilators of standard rolled Z section conforming to IS 7452 1974 and welded with (100x20x5) mm holdfast embedded in C.C. block (23x11.5x7.5) cm size of 1:2:4 proportion of cement, coarse sand, & 20mm graded stone ballast as per drawing etc. complete but excluding S/F of glass panes of 4mm thick with nuts glazing clips with special putty of approved make etc. The fabrication should conform to IS 1038 1975. including cost of all materials, labour & T&P etc. (Rate already Sanction by Agr. No. 14/2018-19) NSI	5.00	Sqm	1457.00	7285.00	INR Seven Thousand Two Hundred & Eighty Five Only
67	Same as Item no. 66 above but for fixed portion. (Rate already Sanction by Agr. No. 14/2018-19) NSI	3.00	Sqm	850.00	2550.00	INR Two Thousand Five Hundred & Fifty Only
Total In Figures					525944.62	INR Five Lakh Twenty Five Thousand Nine Hundred & Forty Four and Paise Sixty Two Only
Quoted Rate In Figures					Select	0.00 INR Zero Only
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