

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

Name of Work: Construction of Boundary wall and other civil work at 33/11 K.V Sub-Station Silawar Distt-Shamli.

T.S. No: 48 /ECDC/MRT/2022-23

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P		TOTAL AMOUNT In Rs. P		TOTAL AMOUNT In Words
				Rs.	P	Rs.	P	
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	70.00	Cum	172.00		12040.00		INR Twelve Thousand & Forty Only
2	Earth filling under floors and/or substation area including cost of the earth when obtained from within 8 km Outside UPPCL area including its royalty and Carriage including watering, ramming in 20cm thick layers and dressing of earth etc. All complete. CSI No. 4.10	1.00	Cum	414.00		414.00		INR Four Hundred & Fourteen Only
3	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	7.00	Cum	4971.00		34797.00		INR Thirty Four Thousand Seven Hundred & Ninety Seven Only
4	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	0.20	Cum	6520.00		1304.00		INR One Thousand Three Hundred & Four Only
5	RCC work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast like granite, quartzite etc from Dalla, Jhansi or other quarries in proportion 1:2:4 in lintels of doors and windows, excluding supply of reinforcement & its bending but including its fixing and binding the same with binding wire, including cost of all other materials labour and T&P. CSI No. 5.10	7.20	Cum	7623.00		54885.60		INR Fifty Four Thousand Eight Hundred & Eighty Five and Paise Sixty Only
6	Cement concrete with 2cm gauge approved hard stone ballast, coarse sand (F.M. 1.8 to 2.5) and cement in proportion of 3:1.5:1 including supply of all materials, labour, side shuttering if required and T&P etc. required for proper completion of work. CSI No. 5.21	0.10	Cum	6955.00		695.50		INR Six Hundred & Ninety Five and Paise Fifty Only
7	RCC work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast like granite, quartzite etc from Dalla, Jhansi or other quarries in proportion 1:1.5:3 in lintels of doors and windows, excluding supply of reinforcement & its bending but including its fixing and binding the same with binding wire, including cost of all other materials labour and T&P. CSI No. 5.23	0.20	Cum	8058.00		1611.60		INR One Thousand Six Hundred & Eleven and Paise Sixty Only
8	RCC work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast like granite, quartzite etc in proportion 1:1.5:3 in Slab, excluding supply of reinforcement & its bending but including its fixing and binding the same with binding wire, including cost of all other materials labour and T&P. CSI No. 5.24	0.10	Cum	9275.00		927.50		INR Nine Hundred & Twenty Seven and Paise Fifty Only
9	RCC work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast like granite, quartzite etc in proportion 1:1.5:3 in Lighter Beam i.e. having span upto 6.0 M excluding supply of reinforcement & its bending but including its fixing and binding the same with binding wire, including cost of all other materials labour and T&P. CSI No. 5.25	0.10	Cum	10037.00		1003.70		INR One Thousand & Three and Paise Seventy Only
10	RCC work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast like granite, quartzite etc in proportion 1:1.5:3 in raft foundation and footings excluding supply of reinforcement & its bending but including its fixing and binding the same with binding wire, including cost of all other materials labour and T&P. CSI No. 5.27	10.20	Cum	7671.00		78244.20		INR Seventy Eight Thousand Two Hundred & Forty Four and Paise Twenty Only
11	RCC work with cement, approved coarse sand (F.M. 1.8 to 2.5) and 2 cm gauge graded approved hard stone ballast like granite, quartzite etc in proportion 1:1.5:3 in RCC T-Beam slab and column excluding supply of reinforcement & its bending but including its fixing and binding the same with binding wire, including cost of all other materials labour and T&P. CSI No. 5.29	7.50	Cum	10189.00		76417.50		INR Seventy Six Thousand Four Hundred & Seventeen and Paise Fifty Only
12	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	38.00	Cum	4518.00		171684.00		INR One Lakh Seventy One Thousand Six Hundred & Eighty Four Only
13	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	35.00		4820.00		168700.00		INR One Lakh Sixty Eight Thousand Seven Hundred Only


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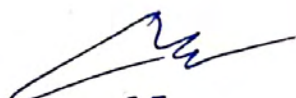
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14	Same as item no. 13 above but for wall of half brick 4.5" (115 mm) thick but in 1:6 C.M. with cement and coarse sand of 2.25 F.M. mortar. CSI No. 6.01+6.09	25.00	Cum	4971.00	124275.00	INR One Lakh Twenty Four Thousand Two Hundred & Seventy Five Only
15	First class brick laid dry in foundation and Plinth as in Circular soakpit wall of one brick thickness and 2.0 to 3.0 M depth including cutting moulding bricks as required including cost of all other materials labour and T&P Complete. CSI No. 6.16	1.00	Cum	4085.00	4085.00	INR Four Thousand & Eighty Five Only
16	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	1.00	Cum	2572.00	2572.00	INR Two Thousand Five Hundred & Seventy Two Only
17	Removal of cement mortar from dismantled bricks and stacking in countable position at place as directed by Engineer in charge including cost of all materials labour and T&P required for proper completion of work. CSI No. 6.22	2.00	%o	1230.00	2460.00	INR Two Thousand Four Hundred & Sixty Only
18	Supply and filling brick bat in soak pit including all material, labour and T&P etc complete. (01 soak pit) CSI No. 6.23	1.00	Cum	1251.00	1251.00	INR One Thousand Two Hundred & Fifty One Only
19	25mm.thick Damp proof course with cement concrete consisting of 1 part cement, 1½ parts approved coarse sand and 3 parts approved 12 mm graded stone grit and also including liquid water proofing material as approved Engineer-in-charge in proportion as specified by the manufacturer. CSI No. 7.02	2.00	Sqm	314.00	628.00	INR Six Hundred & Twenty Eight Only
20	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	1.00	Sqm	1915.00	1915.00	INR One Thousand Nine Hundred & Fifteen Only
21	Mild Steel or Iron work in heavy sizes such as trusses built up gables, 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	0.850	M.T.	83076.00	70614.60	INR Seventy Thousand Six Hundred & Fourteen and Paise Sixty Only
22	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	1.600	M.T.	74620.00	119392.00	INR One Lakh Nineteen Thousand Three Hundred & Ninety Two Only
23	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	1.00	Sqm	632.00	632.00	INR Six Hundred & Thirty Two Only
24	Supply and fixing of 50X50mm. 8 Gauge G.I. Chain link fencing 1.8 m high including fixing of vertical posts, horizontal runners with 10mm dia 40mm long bolts, nuts & washer complete all material, labour and T&P etc. required for proper completion of work. Chain link of 8 gauge shall be galvanized by hot dipped method as per relevant IS Code. (Excluding cost of Vertical posts and Horizontal runners) CSI No.9.23	2.00	sqm	762.00	1524.00	INR One Thousand Five Hundred & Twenty Four Only
25	Providing and Fixing Concertina coil fencing with required dia 600 mm up to 3m height of wall existing angle iron "Y" shaped placed 2.4 m or 3.00 m apart and with 6 horizontal R.B.T. stud tied with G.I. staples and G.I. clips to retain horizontal including necessary bolts or G.I. barbed wire tied to angle iron all complete (No. of Rounds will be 7 to 8 in one meter length) as per direction of Engineer-in-charge with reinforced barbed tape (R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/s.q.mm. with tape (0.52 mm thick) of supreme make or equivalent and weight 43.478gm/meter (cost of M.S. angle, C.C. blocks shall be paid separately) CSI No.9.37	129.00	RM	336.00	43344.00	INR Forty Three Thousand Three Hundred & Forty Four Only
26	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	2.00	Sqm	178.00	356.00	INR Three Hundred & Fifty Six Only
27	Same as item No. 26 above but with 1:6 cement and coarse sand mortar. CSI No. 11.09	500.00	Sqm	169.00	84500.00	INR Eighty Four Thousand Five Hundred Only
28	Add for extra labour and Materials for plaster over rough face of one brick thick wall. CSI No. 11.12	250.00	Sqm	24.00	6000.00	INR Six Thousand Only
29	2 cm (3/4") thick cement plaster in dado or skirting in 1:2 C.M. consisting of one part of cement and two parts of approved coarse sand laid in panels finished with 3mm (1/8") thick floating coat of neat cement or cement and marble dust in ratio of 5:1 including supply of all materials, labour and T&P etc. required for proper completion of the work CSI No. 11.13	2.00	Sqm	260.00	520.00	INR Five Hundred & Twenty Only
30	S/mixing approved water proofing compound (CICO, DR FIXIT etc) in cement mortar in plaster or concrete work in the proportion as recommended by the manufacturer. CSI No. 11.15	2.00	Kg	47.00	94.00	INR Ninety Four Only
31	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	1100.00	RM	12.00	13200.00	INR Thirteen Thousand Two Hundred Only


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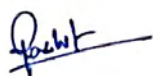

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32	3 mm thick floating coat of neat cement finish including supply of all materials, labour and T&P etc. required for proper completion of the work (cement consumption 0.044 bag/Sq m) CSI No. 11.20	4.00	Sqm	19.00	76.00	INR Seventy Six Only
33	40 cm 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	388.00	1930.00	INR One Thousand Nine Hundred & Thirty Only
34	First class bricks on Edge floor laid dry, joints sand filled, including preparation base to proper slope and its ramming including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 12.07	1.00	Sqm	496.00	496.00	INR Four Hundred & Ninety Six Only
35	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	2.00	Sqm	719.00	1438.00	INR One Thousand Four Hundred & Thirty Eight Only
36	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 toping 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
37	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
38	Same as item No.37 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
39	Same as item No. 37 above but every coat on previously painted old wood or steel work. CSI No. 13.03	35.00	Sqm	47.00	1645.00	INR One Thousand Six Hundred & Forty Five Only
40	Removing Paint or varnish with paint remover or with caustic soda including supply of all materials, labour and T&P etc. required for proper completion of the work. CSI No. 13.07	10.00	Sqm	81.00	810.00	INR Eight Hundred & Ten Only
41	Applying Birta 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	2.00	Sqm	84.00	168.00	INR One Hundred & Sixty Eight Only
42	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
43	Dismantling reinforced cement concrete or reinforced brick work, including stacking of dismantled materials as directed by the Engineer-Incharge within a distance of 60 metres. CSI No. 15.03	2.00	Cum	1128.00	2256.00	INR Two Thousand Two Hundred & Fifty Six Only
44	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	2.00	Sqm	58.00	116.00	INR One Hundred & Sixteen Only
45	Dismantling existing plaster including disposal of refuse as directed by the Engineer-I/C within a distance of 60 M. CSI No. 15.11	2.00	Sqm	41.00	82.00	INR Eighty Two Only
46	Dismantling of existing pale / security / Chain link fencing including post and stacking properly as directed by the Engineer-I/C including cost of all materials, labour, T&P required for proper completion of work. CSI No. 15.13	2.00	RM	126.00	252.00	INR Two Hundred & Fifty Two Only
47	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)	1.00	Sqm	836.00	836.00	INR Eight Hundred & Thirty Six Only
48	Disposal of Rubbish / debris out side the UPPCL area directed by the Engineer-I/C including cartage labour, and materials, T&P required for proper completion of work. (no deduction for voids shall be made) CSI No. 20.16	2.00	cum	330.00	660.00	INR Six Hundred & Sixty Only
49	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)	1.00	RM	190.00	190.00	INR One Hundred & Ninety Only
50	Same as item No.49 but for 20 mm dia. CSI No. 26.01 (b)	1.00	RM	226.00	226.00	INR Two Hundred & Twenty Six Only
51	Same as item No.49 but for 25 mm dia. CSI No. 26.01 (c)	1.00	RM	309.00	309.00	INR Three Hundred & Nine Only
52	Same as item No. 49 but for 32 mm dia. CSI No. 26.01 (d)	1.00	RM	364.00	364.00	INR Three Hundred & Sixty Four Only


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53	Finishing of walls with three coats water proof exterior emulsion paint "ACE" "Out Look" or equivalent make on new work including one priming coat (1 Liter paint diluted including 0.75 liter of water) to give an even shade complete including cost of all materials, labour and T&P etc. as per direction of E.A. NSI	502.00	sqm	76.50	38403.00	INR Thirty Eight Thousand Four Hundred & Three Only
Total in Figures					1134083.20	INR Eleven Lakh Thirty Four Thousand & Eighty Three and Paise Twenty Only
Quoted Rate in Figures					0.00	INR Zero Only
Quoted Rate in Words					Select	INR Zero Only


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