

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-E TYPE QUARTERS AT GURANDI POLICE STATION IN THE DISTRICT OF GAJAPATI.

BID REF NO.- 103/PM/ELECT/OPHWC/2023-24

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2023-24	AMOUNT IN RS.
PART-I	3 phase 3W 11 KV line with 80 sq. mm AAAC -0.27 Km and with 50 sq. mm XLPE cable-0.03 Km(Double				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	8	34321.52	274572.16
2	11 KV 'V' cross arm(10.2 Kg each)	No.	6	1053.00	6318.00
3	11 KV F clamp 2.9 Kg each	No	6	312.00	1872.00
4	GI Back clamp for 11 KV V Cross Arm	No.	6	104.00	624.00
5	100x50x6 mm GI channel for straight cross arm,1.45 Mtr.,9.2 Kg/Mtr.(2 Nos.)including top piece	Kg	53.36	84.50	4508.92
6	Galvanisation of all Ms and RS materials	Kg	131.96	13.00	1715.48
7	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
8	11 KV HW fitting (T&C)45 KN	No	6	169.00	1014.00
9	11KV Pin Insulator polymer	No.	21	260.00	5460.00
10	HT stay set complete	No.	2	1365.00	2730.00
11	11KV stay insulator	No.	2	65.00	130.00
12	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
13	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
14	Earthing support coil type	No	8	215.80	1726.40
15	Danger Board	No	8	104.00	832.00
16	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	97.50	234.68
17	GI 2 ply ,2.5 mm dia Barbed wire for anticlimbing device	Kg	24	104.00	2496.00
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	9.629	97.50	938.83
19	80 sq. mm AAAC	Km	0.8343	55900.00	46637.37
20	PG clamp for 80 sq. mm AAAC	No	6	689.00	4134.00
21	Fish plate(0.661 Kg/item)	No	3.966	97.50	386.69
22	3Cx50 sq. mm 11 KV XLPE cableK(armoured)A2FXY(double Circuit)	Km	0.063	527800.00	33251.40
23	Heat shrinkable jointing kit for 3Cx50 sq. mm 11 KV XLPE cable (outdoor)type	No.	4	14233.70	56934.80

24	Conductor Dead End Clamp suitable for messenger	No	4	84.50	338.00
25	Eye Hook for XLPE Aerial Bunched Cable	No	4	78.00	312.00
26	Pole clamp for eye Hook for AB cable	No	4	260.00	1040.00
27	7/12 SWG GI Saty wire for supporting XLPE cable	Kg	15.3	97.50	1491.75
28	XLPE cable clamp to hold support wire	No	60	23.15	1389.00
29	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long(For XLPE cable-2 Nos.+Guarding-2 Nos.)	No	2	1365.00	2730.00
30	No.6 GI wire for earthing	Kg	4	97.50	390.00
31	11 KV LA(12 KV, 5 KA)	No	3	2925.00	8775.00
32	75x40x6 mm ,channel for LA(6.8 Kg/mtr.) with galvanisation	No.	8.16	84.50	689.52
33	GI Nuts and Bolts of assorted size	Kg	15	101.40	1521.00
34	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					475176.00
PART-II	Installation of 25 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	2	34321.52	68643.04
2	Earthing support coil type	No	2	215.80	431.60
3	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
4	Transformer mounting GI channel 100x50x6 mm-2.8 Mtr. Long,2 Nos.(6.8Kg/mtr)	K.g	51.52	97.50	5023.20
5	AB switch &HG fuse mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
6	GI Cantilever Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	9	97.50	877.50
7	GI Cantilever angle for supporting HG fuse 50x50x6mm 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.6	97.50	1326.00
8	Transformer belting GI angle 50x50x6 mm-2.8 Mtr. Long,2 Nos.(4.5Kg/mtr)with side angle total 7 Mtr.	Kg	31.5	97.50	3071.25
9	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	9	97.50	877.50
10	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.44	97.50	627.90
11	Channel support for down pipe 75x40x6 mm GI channel(6.8kg/mtr,1 Nos.)each channel length 0.8 Mtr.	Kg	5.44	97.50	530.40
12	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
13	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
14	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
15	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
16	9 KV 5 KA LA	No.	3	1274.00	3822.00
17	HT stay set complete	No.	2	1365.00	2730.00
18	11KV stay insulator	No.	2	65.00	130.00
19	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00

20	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
21	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1365.00	9555.00
22	25x6 mm GI flat(for others)	Kg	60	97.50	5850.00
23	25x4 mm GI flat(for Neutral)	Kg	10	97.50	975.00
24	55 sq. mm AAAC for jumpering	Km	0.05	39000.00	1950.00
25	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
26	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 25 KVA S/S .	No	1	19409.00	19409.00
27	25 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	69940.00	69940.00
28	1 core 50 sq. mm XLPE cable,4 Nos. 10 Mtr. Each	Mtr.	40	228.80	9152.00
29	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
30	Danger Board	No.	2	104.00	208.00
31	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	97.50	58.68
32	GI ply ,2.5 mm dia barbed wire for anticlimbing device	Kg	6	104.00	624.00
33	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.407	97.50	234.68
34	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					247549.55
PART-V	Construction of LT 3ph 6 W line using 4x35+1x35+1x16 sqmm XLPE AB Cable=0.35 Km				
1	9 Mtr Long 300 KG PSC Pole	No	10	3900.00	39000.00
2	RCC Base plate	No	10	364.00	3640.00
3	1.1 KV(4x35+1x35+1x16) sqmm XLPE AB Cable	Km	0.37	157076.27	57725.53
4	L.T Stay set (Complete)	Set	7	676.00	4732.00
5	L.T Stay Insulator	No.	7	39.00	273.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	143.00	1001.00
7	7/12 SWG Stay Wire	Kg	56	97.50	5460.00
8	Suspension clamp with I Hook	No.	4	442.00	1768.00
9	Dead end clamp suitable for XLPE cable	No	10	162.50	1625.00
10	Pole clamp for eye Hook for AB cable	pair	10	260.00	2600.00
11	Piercing connector	No	4	104.00	416.00
12	Neutral connector	No	4	42.90	171.60
13	Earthing device coil type	No	10	215.80	2158.00
14	Danger Board	No.	10	104.00	1040.00

15	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	3.009	97.50	293.38
16	GI ply ,2.5 mm dia barbed wire for anticlimbing device	Kg	30	104.00	3120.00
17	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	12.04	97.50	1173.90
18	GI Nuts and Bolts	Kg	8	101.40	811.20
19	Sundries	LS	1	500.00	500.00
					127508.61
	A.Sub Total Rs.				850,234.15
B	Stock,storage and insurance (@3% on A)				25507.02
C	TOTAL RS.				875741.17
D	T&P @ 2% of C				17514.82
E	Contingency @ 3% of C				26272.24
F	Transportation @ 7.5% of C				65680.59
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				70313.62
H	TOTAL RS.				1055522.44
20	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	11	1235.58	13591.38
21	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	10	2880.00	28800.00
22	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	10	2400.00	24000.00
23	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	20	720.00	14400.00
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	9	1600.00	14400.00
25	Brick wall Boundaring wall (size=10'x12'x5')with fixing of iron grill gate etc(as per the TPSODL specification)	No	1.00	150,000.00	150000.00
26	Sand and metal spreading	Ls	1.00	2,000.00	2000.00
				Total Rs.	247,191.38
	Total Rs.				1,302,713.82
	Cess @ 1%				13,027.14
	Total Estimated Cost				1,315,740.96
	Total Estimated Cost in Figures				1,315,741.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____ %
	Quoted Amount in Figure				
	Quoted Amount in word				

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
Project Manager(Elect.)

Sd/-
D.M (Elect) I/C