

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 :- 23 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO OUT POST BUILDING AT GHANTAPADA IN THE DISTRICT OF BOUDH.

BID REF NO.- 04/PM/ELECT/OPHWC/2024-25

**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 70 sq. mm XLPE insulated covered conductor-0.20 Km with 3 Nos. Cut-Point				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	5	34321.52	171607.60
2	Earthing support coil type	No	5	215.80	1079.00
3	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1	97.50	127.73
4	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 14 Nos,0.2 Mtr. Long 14 Nos.(For tapping point+ 3 Nos. cut point)	Kg	180.32	97.50	17581.20
5	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1053.00	3159.00
6	11 KV F clamp 2.9 Kg each	No	3	312.00	936.00
7	GI Back clamp for 11 KV V Cross Arm	No.	3	104.00	312.00
8	Galvanisation of MS Materials	Kg	39.3	13.00	510.90
9	11 Kv pin insulator	No	17	260.00	4420.00
10	Single core 70 sq. mm 11 KV XLPE covered conductor	Km	0.63	190000.00	119700.00
11	Disc insulator 45 KN (B&S) Polymer	No.	21	1118.00	23478.00
12	IPC for 70 sq. mm AAA conductor(For covered conductor)	No.	21	371.00	7791.00
13	Dead End Clamp 11 KV	No	3	890.00	2670.00
14	Non metallic ties for 11 Kv	No	17	251.00	4267.00
15	HT stay set complete	No.	7	1365.00	9555.00
16	11KV stay insulator Polymer	No.	7	65.00	455.00
17	7/10 SWG stay wire	Kg	70	97.50	6825.00
18	HT stay clamp (1.9 Kg/Pair)	pair	7	162.50	1137.50
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	104.00	1560.00
20	Back clamp for ACD(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	6.02	97.50	586.95
21	Danger Board	No	5	104.00	520.00

22	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.5	97.50	146.25
23	GI Nuts and Bolts of assorted size	Kg	7	101.40	709.80
24	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
					379634.93
PART-II	Installation of 63 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	215.80	431.60
3	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	103.04	97.50	10046.40
4	Transformer mounting GI channel100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/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	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	97.50	1326.00
7	Cantilever GI Angle for supporting AB Switch 50x50x6mm. 1 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	97.50	877.50
8	Transformer Belting GI Angle 50x50x6mm. 2.8 mtr. Long 2 Nos. (4.5 kg./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	11 KV Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
13	11 KV HW fitting (B&S)type 45 KN ,2 Bolted	No	3	338.00	1014.00
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	9KV 10KA LA, Station class	No.	3	1274.00	3822.00
17	HT stay set complete	No.	4	1365.00	5460.00
18	11KV stay insulator	No.	4	65.00	260.00
19	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3900.00
20	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
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(Neutral)	Kg	10	97.50	975.00
23	25x4 mm GI flat(for others)	Kg	60	97.50	5850.00

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	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
27	63 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	112450.00	112450.00
28	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 63 KVA S/S .	No	1	23818.60	23818.60
29	1 core 95 sq. mm LT XLPE cable, 4 Nos. ,10 Mtr. Each	Mtr.	40	291.20	11648.00
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	Anticlimbing Device(GI barbed wire 3 Kg per support)	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
					307630.35
PART-III	Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=1.0 Km				
1	9 Mtr Long 300 KG PSC Pole	No	29	3900.00	113100.00
2	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	29	1950.00	56550.00
3	Earthing device coil type	No	29	215.80	6258.20
4	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	8	97.50	740.81
5	Pole clamp for eye Hook for AB cable	pair	29	260.00	7540.00
6	Dead end clamp + I Hook	No	12	162.50	1950.00
7	Suspension clamp with I Hook	No.	16	442.00	7072.00
8	3x50+1x35+1x16 sqmm XLPE AB Cable	Km	1.05	182000.00	191100.00
9	L.T Stay set (Complete)	Set	12	676.00	8112.00
10	L.T Stay Insulator	No.	12	39.00	468.00
11	L.T Stay Clamp(1.4 K.g/Pair)	Pair	12	143.00	1716.00
12	7/12 SWG Stay Wire	Kg	96	97.50	9360.00
13	GI Nuts, Bolt and washer	Kg	25	101.40	2535.00
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	87	104.00	9048.00
15	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	34.9	97.50	3402.75
16	Danger Board	No.	29	104.00	3016.00
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	8.73	97.50	851.18
18	Sundries(Paint , clamp connectors, Binding tape etc.)	LS	1	1000.00	1000.00
					423819.93
	A.Sub Total Rs.				11,11,085.20
B	Stock,storage and insurance (@3% on A)				33332.56
C	TOTAL RS.				1144417.76

D	T&P @ 2% of C				22888.36
E	Contingency @ 3% of C				34332.53
F	Transportation @ 7.5% of C				85831.33
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				107927.02
H	TOTAL RS.				1395397.00
19	Stay Concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum, @ 6177.92	Nos.	23	1235.58	28418.34
20	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3(500x500x1800 mm)=0.45 cum	Nos.	7	2880.00	20160.00
21	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum@ 6400	Nos.	29	2400.00	69600.00
22	Couping of Poles in ratio 1:1:5:3(500x500x475),0.11875 cum	Nos.	36	720.00	25920.00
23	Brick wall Boundaring wall with fixing of iron grill gate etc.	No	1.00	1,50,000.00	150000.00
24	Materials for earthing including massonary work for eathpit salt, charcoal etc including construction of earth chamber (size 2'x2') and RCC slab cover.	No	7	1600.00	11200.00
				Total Rs.	3,05,298.34
	Total Rs.				17,00,695.34
	Cess @ 1%				17,006.95
	Total Estimated Cost				17,17,702.29
	Total Estimated Cost in Figures				17,17,702.00
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/-
DM (Elect) I/C**

**Sd/-
Project Manager(Elect.)**