

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 :-03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO SDPO, BUILDING AT BOUDH IN THE DIST. OF BOUDH.

BID REF NO :- 52/PM/ELECT/OPHWC/2022-23

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	Construction of 3 Ph 4 W LT Line with 3x50+1x35 sq.mm LT XLPE AB Cable over 8 Mtr. Long 200 KG PSC pole -0.1 Km				
1	8 Mtr Long 200 Kg PSC Pole	No	3	2480.00	7440.00
2	L.T Stay set (Complete)	Set	1	644.80	644.80
3	L.T Stay Insulator	No.	1	37.20	37.20
4	L.T Stay Clamp	Pair	1	136.40	136.40
5	7/12 GI Stay Wire	Kg	8	93.00	744.00
6	Suspension clamp with I Hook	No	2	421.60	843.20
7	Dead end clamp	No.	1	80.60	80.60
8	Eye Hook	No	1	74.40	74.40
9	Pole clamp for I-Hook	No	3	248.00	744.00
10	3x50+1x35 sq.mm LT XLPE AB Cable	Km	0.10	161200.00	16120.00
11	Earthing coil type for support	No.	3	205.84	617.52
12	GI Base plate	No.	3	1860.00	5580.00
13	GI Nuts, bolts & washers	Kg	3	96.72	290.16
14	Sundries	LS	1	400.00	400.00
A	TOTAL RS.				33752.28
SCOPE-B	Construction of 3 ph 3 wire 11 KV line using 80 sq. mm AAAC -0.080 Km				
1	150X150 MM 13 Mtr. GI Joist Pole(34.6 Kg/Mtr.)	No	4	41831.40	167325.60
2	Pressure Channel 100X50X6mm.2.5mtr. Long 2Nos.(9.2kg/mtr.)with GI	Kg.	92	80.60	7415.20
3	Support channel & Bracing Channel 75X40X6mm.2.5mtr. Long 4Nos.(6.8kg/mtr.)with GI	Kg	136	80.60	10961.60

4	Cross Bracing Channel 50X50X6mm. Angle 3 mtr. Long 2 Nos.(4.5 kg/mtr.)with GI	Kg	54	80.60	4352.40
5	11KV Disc insulator B&S 45 KN Polymer	No.	24	1066.40	25593.60
6	11KV H.W Fittings B&S 2 bolted type	No.	12	322.40	3868.80
7	11KV Pin Insulator polymer	No.	6	248.00	1488.00
8	HT stay set (Complete)	No.	8	1302.00	10416.00
9	stay Insulator	No.	8	62.00	496.00
10	Stay clamp	pair	8	155.00	1240.00
11	7/10 SWG GI Saty wire	Kg	80	93.00	7440.00
12	Earthing coil for support/pole	No.	4	205.84	823.36
13	Base plate for support	No.	4	1860.00	7440.00
14	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	2	1302.00	2604.00
15	No. 6 GI wire for earthing	Kg	40	93.00	3720.00
16	Danger board	No.	4	99.20	396.80
17	GI nut,bolt & washers	Kg	10	96.72	967.20
18	80 sq. mm AAAC	Km	0.25	53320.00	13330.00
19	Guarding for road crossing	span	1	3500.00	3500.00
20	Anticlimbing device GI barbed wire @2 Kg/pole	Kg	8	99.20	793.60
21	Sundries	LS	1	1000.00	1000.00
B	TOTAL MATERIAL COST IN RS.				275172.16
SCOPE-C	Construction of 3 ph LT LINE WITH 50 SQ. MM XLPE CABLE-0.2 KM(DOUBLE CIRCUIT) - 0.04 Km				
1	3x50 sq.mm XLPE Cable(Including spare)	Mtr.	41	503.44	20641.04
2	Outdoor type jointing kit suitable for 3x50 sq. mm XLPE Cable	No.	4	13576.76	54307.04
3	J Clamp for XLPE Cable	No.	2	480.44	960.88
4	Supporting stay wire for XLPE cable	Kg	15	93.00	1395.00
5	Supporting clamp for XLPE cable	No	41	72.32	2965.12
6	12 KV 5KA LA	No	3	2790.00	8370.00
7	100x50x6 mm GI Channel for mounting LA @ 9.2 Kg/Mtr.	Kg	23	80.60	1853.80
8	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No	1	1302.00	1302.00
9	No. 25x6 mm GI Flat	Kg	10	93.00	930.00
10	GI Bolts, nuts & washers	Kg	5	96.72	483.60
11	Sundries	LS	1	500.00	500.00
C	TOTAL MATERIAL COST IN RS.				93708.48
SCOPE-D	Installation of 25 KVA(BIS Energy Level-II) 11/0.4KV DP mounted sub station - 1 No.				
1	150X150 MM 11 Mtr. GI Pole(34.6 Kg/Mtr.)	No	2	35395.80	70791.60
2	GI Base plate (500x500x10)mm for psc pole 20 Kg/pc	No	2	1860.00	3720.00
3	Earthing device coil type(GI)	No.	2	205.84	411.68

4	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)with GI	Kg.	51.52	80.60	4152.51
5	Transformer mounting channel 100x50x6mm 2.8 mtr long, 2 Nos. (9.2K.g per mtr)with GI	Kg	51.52	80.60	4152.51
6	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)with GI	Kg.	76.16	80.60	6138.50
7	Cantilever Channel for supporting HG Fuse 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)with GI	Kg.	13.6	80.60	1096.16
8	Cantilever Channel for supporting HG Fuse 50x50x6mm. 1 mtr. Long 2 Nos. (4.5 kg./mtr.)with GI	Kg.	9	80.60	725.40
9	Angel for cantilever arrangement for AB switch and HG Fuse 50x50x6mm 2 Mtr. Longx2 Nos.(4.5Kg./mtr)with GI	Kg.	18	80.60	1450.80
10	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)with GI	Kg	31.5	80.60	2538.90
11	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)with GI	Kg	7	80.60	564.20
12	11KV Disc insulator B&S 45 KN Polymer	No.	3	1066.40	3199.20
13	11KV H.W Fittings B&S 2 bolted type	No.	3	322.40	967.20
14	11KV AB switch 3 pole(200 Amp)	Set	1	9114.00	9114.00
15	11KV HG fuse 3 pole(200 Amp)	Set	1	7588.80	7588.80
16	11 KV LA(12 KV,5 KA)	No.	3	2790.00	8370.00
17	HT stay set (Complete)	No.	2	1302.00	2604.00
18	stay Insulator	No.	2	62.00	124.00
19	Stay clamp	pair	2	155.00	310.00
20	7/10 SWG GI Saty wire	Kg	20	93.00	1860.00
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1302.00	6510.00
22	25x4 mm GI flat (Neutral)	Kg	10	93.00	930.00
23	25x6 mm GI flat	Kg	30	93.00	2790.00
24	55 sq. mm AAAC	Km	0.05	37200.00	1860.00
25	GI nut,bolt & washers	Kg	25	96.72	2418.00
26	25 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	66712.00	66712.00
27	LT Distribution box with MCCB Box,Aluminium Busbar of single bay kit kat fuse for 25 KVA S/S	No	1	18513.00	18513.00
28	50 sq. mm 3.5 core PVC cable for 25 KVA Tfr.	Mtr.	15	251.72	3775.80
29	socket and other cable accessories	Ls	1	500.00	500.00
30	Clamp,connector and jumpering material	Ls	1	1000.00	1000.00
31	Anticlimbing device GI barbed wire @2 Kg/pole	Kg	4	99.20	396.80

32	Danger board	No	1	99.20	99.20
33	Sundries (Al. Binding Tape, Insulation Tape, Anticlimbing Devices, Paint ,All. Cable socket etc.)	LS	1	1000.00	1000.00
D	TOTAL MATERIAL COST IN RS.				236384.26
A	TOTAL MATERIAL COST IN RS.				639017.18
B	Stock,storage and insurance (@3% on A)				19170.52
C	TOTAL RS.				658187.70
D	T&P @ 2% of C				13163.75
E	Contigency @ 3% of C				19745.63
F	Transportation @ 7.5% of C				49364.08
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				50886.38
H	TOTAL RS.				791347.54
1	Cement Concrete for stay anchor plate CC 1:3:6 using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	11	1270.00	13970.00
2	Cement Concreting for support for coupling with C.C. 1:3:6 using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum(For Joist Pole)	Nos.	6	1460.00	8760.00
3	Cement Concreting for support with C.C. 1:3:6 using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	3	1270.00	3810.00
4	Sub-station boundary (Brick work with grill gate)	Ls	1	40000.00	40000.00
5	Sand and metal spreading	Ls	1	1700.00	1700.00
6	Materials for massonary work for eathpit, charcoal,salt etc. including construction of earthing chamber(size 2"x2") and RCC slab cover.	No	5	1600.00	8000.00
	TOTAL RS.				76240.00
	Total Estimated Cost				8,67,587.54
	Total Estimated Cost in Figures				8,67,588.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____ %
Quoted Amount in Figure					

Quoted Amount in word	
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N:B- The Estimated cost is exclusive of GST.

Signature of Tenderer with seal

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

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

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