

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 CONTROL ROOM AT D.P.O ,BERHAMPUR IN THE DIST. OF GANJAM.

BID REF NO :- 10/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.
PART-I	Construction of 3 ph 3 wire 11 KV OH line using 3CX35 sq. mm XLPE Cable-0.1 Km(4 span)				
1	9 Mtr Long 300 Kg PSC Pole	No	3	3720.00	11160.00
2	3CX35 sq. mm 11 KV XLPE Cable(Armoured)A2XFY(2-Run)	Mtr.	206	445.16	91702.96
3	Out door type jointing kit for 3x35 sq. mm 11 KV XLPE cable	No	4	11675.84	46703.36
4	7/10 SWG GI Stay Wire	Kg	39.55	93.00	3678.15
5	LA(9KV, 5KA class)	No	3	1215.20	3645.60
6	(75x40x6)mm,MS Channel for LA	K.g	13.8	93.00	1283.40
7	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	2	1302.00	2604.00
8	25x4 mm GI flat	Kg	20	93.00	1860.00
9	HT Stay Set complete	Set	2	1302.00	2604.00
10	Stay wire(7/10 SWG)	Kg	20	93.00	1860.00
11	HT stay insulator	No.	2	62.00	124.00
12	Stay Clamp	Pair	2	155.00	310.00
13	Earthing of support(coil type)	No	3	205.84	617.52
14	GI Base plate500x500x10 mm plate for support(20 Kg)	No	3	1860.00	5580.00
15	Danger Plate	No.	3	99.20	297.60
16	GI Nut,Bolt & washers of different sizes	Kg	5	96.72	483.60
17	Sundries (Paint, clamp for XLPE cable,Al. Binding tape & wire,insulating tape,anticlimbing device,clamp connector ,jumping materials, socket & other cable accessories etc.)	LS	1	2000.00	2000.00
A	TOTAL RS.				176514.19
PART-II	Installation of 315 KVA(BIS energy Level-II) 11/0.4KV sub station- 1 No.				
1	9 Mtr Long 150x150 mm GI Joist Pole(34.6 Kg)	No.	2	28960.20	57920.40
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	93.00	4791.36
3	AB switch mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	51.52	93.00	4791.36
4	HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	38.08	93.00	3541.44
5	Channel for Cantilever arrangement ,75x40x6mm (6.8Kg/mtr)	K.g	13.6	93.00	1264.80

6	Angle for Cantilever arrangement ,50x50x6mm (4.5Kg/mtr)	K.g	13.5	93.00	1255.50
7	DP bracing Channel 100x50x6 mm (9.2 Kg per mtr)	Kg	51.52	93.00	4791.36
8	DP bracing angle 50x50x6 mm 3.5 Mtr. Long 2 Nos. (4.5 Kg per mtr)	K.g	31.5	93.00	2929.50
9	Angle for mounting LT distribution Box 50x50x6 mm (4.5 Kg/ mtr)	Kg	47	93.00	4371.00
10	11 KV AB switch 3 pole (200Amp)	Set	1	9114.00	9114.00
11	11 KV HG fuse 3 pole 200 Amp	Set	1	7588.80	7588.80
12	11 KV LA(9 KV, 5 KA)	No.	3	1215.20	3645.60
13	11 KV Disc Insulator B&S	No.	3	1066.40	3199.20
14	11 KV Hard wire fittings B&S type	No.	3	322.40	967.20
15	HT Stay Set complete	Set	2	1302.00	2604.00
16	7/10 SWG GI Stay Wire	Kg	20	93.00	1860.00
17	HT stay insulator	No.	2	62.00	124.00
18	Stay Clamp	Pair	2	155.00	310.00
19	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	5	1302.00	6510.00
20	25x4 mm GI flat for substation earthing	Kg	30	93.00	2790.00
21	25x6 mm GI flat for Neutral earthing	Kg	20	93.00	1860.00
22	LT Distribution box with MCCB, Aluminium busbar for 4bay with Kit kat fuse	No.	1	88178.88	88178.88
23	315 KVA , 11/0.4 KV (cu) Transformer with Tap changer ,BIS Energy Level-II	No	1	551688.40	551688.40
24	GI Nut ,Bolt and Washer	Kg	25	96.72	2418.00
25	55 sq. mm AAAC	Km	0.05	37200.00	1860.00
26	1 Cx300 sq. mm LT XLPE cable (Armoured)	Mtr.	32	473.68	15157.76
27	GI Base plate500x500x10 mm plate for support(20 Kg)	No	2	1860.00	3720.00
28	Earthing of support(coil type)	No	2	205.84	411.68
29	Danger Plate	No.	2	99.20	198.40
30	Sundries (Paint,Al. Binding tape & wire,anticlimbing device,clamp connector ,jumping materials, socket etc.	LS	1	2000.00	2000.00
B	TOTAL RS.				791862.64
PART-III	Construction of LT 3ph 5W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=630 Mtr(21 span)				
1	8 Mtr. Long 200 KG psc pole	No	21	2480.00	52080.00
2	GI Base plate500x500x10 mm plate for support(20 Kg)	No.	21	1860.00	39060.00
3	Earthing Device/ support coil type(GI)	No.	21	205.84	4322.64
4	Conductor Dead end clamp suitable for bare messenger XLPE Areial bunched cable	No.	12	80.60	967.20
5	Eye Hook for (XLPE Areial bunched cable)	No.	12	74.40	892.80
6	Suspension clamp with I Hook	No.	15	421.60	6324.00
7	Pole clamp for Eye Hook	No.	27	248.00	6696.00
8	L.T Stay set (Complete)	Set	9	644.80	5803.20
9	7/12 SWG Stay Wire	Kg	72	93.00	6696.00
10	L.T Stay Clamp(1.4 K.g/Pair)	Pair	9	136.40	1227.60
11	L.T Stay Insulator	No.	9	37.20	334.80
12	3x95+1x70+1x16 sqmm XLPE AB Cable	Mtr.	648.9	301.32	195526.55
13	Danger Plate	No.	21	99.20	2083.20
14	GI Nut,Bolt & washers of different sizes	Kg	21	96.72	2031.12
15	Sundries for survey , tree cutting,Danger Plate,Piercing connector, Small size Nut & Bolt, All. Binding wire/tape etc..	LS	1	1000.00	1000.00
C	TOTAL RS.				325045.11
A	Sub Total Rs.				1293421.94

B	Stock,storage and insurance (@3% on A)				38802.66
C	TOTAL RS.(A+B=C)				1332224.60
D	T&P @ 2% of C				26644.49
E	Contingency @ 3% of C				39966.74
F	Transportation @ 7.5% of C				99916.84
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				108341.30
					1607093.97
1	Cement concreting for stay set with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3037 Cum	No.	13	1270.00	16510.00
2	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3037 Cum	No.	26	1270.00	33020.00
3	Couping with C.C-1:3:6 by using 12 mm size hard broken granite chips 0.3 Mtr.x 0.3 Mtr.x0.45 Mtr.=0.0405 Cum	No.	2	190.00	380.00
4	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	7	1600.00	11200.00
5	Boundary wall with iron gate as per TPCODL specification	Ls	1	36099.00	36099.00
6	Filling sand@ 1.359 Cmt for (8ftx12ftx1/2ft)=48 cft=1.359 cmt	Ls	1	587.00	587.00
7	40mm size HBG metal @0.679 Cmt.	No	1	667.00	667.00
8	Plinth of height 2.1 Mtr. From ground Level with CC as per PWD code for mounting Distribution Transformer	Nos	1	21270.00	21270.00
C	TOTAL RS.				1726826.97
	Cess @ 1%				17,268.27
	Total Estimated Cost				17,44,095.24
	Total Estimated Cost in Figures.				17,44,095.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
Quoted Amount in Figure					
Quoted Amount in words					

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)