

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 70 NOS. STAFF QUARTERS AT BERHAMPUR UNIVERSITY,GANJAM.

BID REF NO :- 80/PM/ELECT/OPHWC/2022-23

NAME & ADDRESS OF THE FIRM	
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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 3 wire 11 KV line with existing tapping pole and with 55 sq. mm AAA Conductor -0.03 Km (2 spans)				
1	11KV Pin Insulator Polymer	No.	3	200.00	600.00
2	Pressure Channel 100X50X6mm..(9.2kg/mtr.)GI	Kg.	31.28	75.00	2346.00
3	11KV Disc insulator B&S Polymer 45 KN	No.	3	860.00	2580.00
4	11KV H.W Fittings B&S 2 bolted,45 KN	No.	3	260.00	780.00
5	55 sq. mm AAAC	Km	0.0945	30000.00	2835.00
6	HT stay set (Complete)	No.	1	1050.00	1050.00
7	stay Insulator	No.	1	50.00	50.00
8	Stay clamp	pair	1	125.00	125.00
9	Stay wire(7/10 SWG)	Kg	10	75.00	750.00
10	GI nut,bolt & washers	Kg	1	78.00	78.00
11	Sundries	LS	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.				12194.00
SCOPE-B	Installation of 250 KVA 11/0.4KV Transformer BIS Energy Level-II .- 1 No.				
1	9 Mtr Long 300 Kg PSC Pole	No	2	3720.00	7440.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)GI	Kg.	51.52	93.00	4791.36
3	A/B switch Mounting Channel 100x50x6mm. (9.2kg./mtr.)GI	Kg.	51.52	93.00	4791.36
4	H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	38.08	93.00	3541.44

5	Channel for Cantilever arrangement 75x40x6mm. (6.8kg./mtr.)GI	Kg.	13.6	93.00	1264.80
6	Angel for cantilever arrangement 50x50x6mm (4.5Kg./mtr)GI	Kg.	13.5	93.00	1255.50
7	DP Bracing Channel 100x50x6mm(9.2Kg per mtr)GI	Kg	51.52	93.00	4791.36
8	DP Bracing Angle 50x50x6mm, 7 Mtr.(4.45Kg per mtr)GI	Kg	31.5	93.00	2929.50
9	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	13.5	93.00	1255.50
10	11KV AB switch 3 pole(400 Amp)	Set	1	14694.00	14694.00
11	11KV HG fuse 3 pole(400 Amp)	Set	1	14297.00	14297.00
12	11 KV LA(9 KV, 5KA class)	No.	3	1215.20	3645.60
13	11KV Disc insulator B&S Polymer 45 KN	No.	3	1066.40	3199.20
14	11KV H.W Fittings B&S 2 bolted,45 KN	No.	3	322.40	967.20
15	11KV Pin Insulator Polymer	No.	3	248.00	744.00
16	HT stay set (Complete)	No.	2	1302.00	2604.00
17	7/10 SWG GI Saty wire	Kg	20	93.00	1860.00
18	stay Insulator	No.	2	62.00	124.00
19	Stay clamp	pair	2	155.00	310.00
20	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	5	1302.00	6510.00
21	25x4 mm GI flat for S/S earthing	Kg	30	93.00	2790.00
22	25x6 mm GI flat for Neutral earthing of 250 KVA S/S	Kg	20	93.00	1860.00
23	LT Distribution box with MCCB,Aluminium Bus bar for 3 Bay with KitKat Fuse for 250 KVA S/S	No	1	59520.00	59520.00
24	250 KVA ,11/0.4 Kv (AL) Transformer with tap changer BIS Energy Level-II	No.	1	332878.00	332878.00
25	GI nut,bolt & washer	Kg	35	96.72	3385.20
26	55 sq. mm AAA for jumpering	Km	0.05	37200.00	1860.00
27	1Cx300 sq. mm LT XLPE cable Armoured	Mtr.	32	473.68	15157.76
28	GI Base plate for support 20 Kg (500x500x10)mm	No	2	1860.00	3720.00
29	Earthing coil for support	No	2	205.84	411.68
30	Danger Plate	No.	2	99.20	198.40
					502796.86
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm LT XLPE AB Cable -1.480 Km(27-Spans)				
1	8 Mtr Long 200 kg PSC Pole(2 Nos. for stud)	No	27	2480.00	66960.00
2	10 Mtrs. Long 100x116 mm GI Pole	Kg	460	93.00	42780.00
3	9 Mtrs. Long 100x116 mm GI Pole(Stud Pole)	Kg	207	93.00	19251.00

4	Stud Clamps	Pair	3	136.40	409.20
5	GI Base plate for support 20 Kg (500x500x10)mm	No	30	1860.00	55800.00
6	Earthing Coil Type	Set	27	205.84	5557.68
7	Conductor Dead end clamp suitable for bare messenger XLPE Aerial Bunched cable(25-70 sq. mm)	No.	36	80.60	2901.60
8	Eye Hook for (XLPE Aerial Bunched cable)	No	36	74.40	2678.40
9	Suspension clamp I Hook for ABC	No	16	421.60	6745.60
10	Pole clamp for Eye Hook for(XLPE Aerial Bunched cable)	No	52	248.00	12896.00
11	LT stay set complete	No.	13	644.80	8382.40
12	7/12 SWG GI stay wire	Kg.	104	93.00	9672.00
13	LT stay set Insulator	No.	13	37.20	483.60
14	LT stay clamp	No.	13	136.40	1773.20
15	3x50+1x35+1x16 sq.mm LT XLPE AB Cable	Mtr.	1524.40	173.60	264635.84
16	Danger Plate	No.	27	99.20	2678.40
17	GI nut,bolt of assorted size	Kg	27	96.72	2611.44
18	Sundries (, Anticlimbing Device,survey, tree cutting, small size nut bolt,All. /binding wire/tape etc.)	LS	1	1000.00	1000.00
					507216.36
A	Sub Total Rs.				1022207.22
B	Stock,storage and insurance (@3% on A)				30666.22
C	TOTAL RS.(A+B=C)				1052873.44
D	T&P @ 2% of C				21057.47
E	Contingency @ 3% of C				31586.20
F	Transportation @ 7.5% of C				78965.51
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				92612.70
					1277095.32
19	Concrete material for stay anchor plate 0.5 cum CC foundation 1:3:6 size(900x600x900mm)using 40 mm BHG metal with all Labour & material.	Nos.	15	1270.00	19050.00

20	Concreting material for support CC foundation 1:4:8 size using 40 mm BHG metal size 5'x2'x2'=20 CFT=0.57 cum & padding 900x600x150 mm =0.081 cum.	Nos.	32	1460.00	46720.00
21	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	5	1600.00	8000.00
22	Boundary wall with iron gate as per TPCODL specification	Ls	1	36099.00	36099.00
23	Filling sand@ 1.359 Cmt for (8ftx12ftx1/2ft)=48 cft=1.359 cmt	Ls	1	587.00	587.00
24	40mm size HBG metal @0.679 Cmt.	No	1	667.00	667.00
25	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
	TOTAL RS.				14,09,488.32
	Cess @1%				14,094.88
	Total Estimated Cost				14,23,583.20
	Total Estimated Cost in Figures				14,23,583.00
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/-
Asst. Project Manager (Elect) (Hqr)**

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