

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
Ph: 0674-2541545, 2542921, Fax: 0674-2541543
E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 11 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO E AND F-TYPE QTRS. AT TOWN POLICE STATION PHULBANI IN THE DIST. OF KANDHAMAL.

BID REF NO.- 92/PM/ELECT/OPHWC/2023-24

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. 2023-24	AMOUNT IN RS.
PART-I	3 phase 3W 11 KV line with 70 sq. mm XLPE insulated covered conductor-0.250 Km				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	6	34321.52	205929.12
2	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos,0.2 Mtr. Long 4 Nos. including tapping point.	Kg	51.52	97.50	5023.20
3	Straight Channel -100x50x6 mm , for straight cross arm,1.5 Mtr.@ 9.2 Kg/Mtr.(1 No. each for middle cantilever arrangement(1 nos. CA)	Kg	13.8	97.50	1345.50
4	Angle for Cantilever arrangement of size 50x50x6 mm 2.15 Mtr. Long @ 4.5 Kg/Mtr. (1 No. for middle cantilever arrangement(2 Nos. CA)	Kg	19.35	97.50	1886.63
5	Straight Channel -100x50x6 mm , for straight cross arm,0.8 Mtr.@ 9.2 Kg/Mtr.(24 Nos. for E&P CP cantilever arrangement)	Kg	176.64	97.50	17222.40
6	Back clamp for cantilever arrangement	Pair	2	260.00	520.00
7	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1185.60	3556.80
8	11 KV F clamp 2.9 Kg each	No	3	349.70	1049.10
9	GI Back clamp for 11 KV V Cross Arm	No.	3	104.00	312.00
10	Disc insulator 45 KN (B&S) Polymer	No.	21	1118.00	23478.00
11	Fish plate(0.661 Kg/item)	No	21	64.44	1353.24
12	11 Kv pin insulator	No	21	260.00	5460.00
13	Single core 70 sq. mm XLPE covered conductor	Km	0.7875	190000.00	149625.00
14	IPC for 70 sq. mm AAA conductor(For covered conductor)	No.	21	371.00	7791.00
15	Dead end clamp 11 KV	No	21	890.00	18690.00
16	Non metallic ties for 11 Kv	No	21	251.00	5271.00
17	HT stay set complete	No.	6	1365.00	8190.00

18	11KV stay insulator Polymer	No.	6	65.00	390.00
19	7/10 SWG stay wire	Kg	60	97.50	5850.00
20	HT stay clamp (1.9 Kg/Pair)	pair	6	162.50	975.00
21	Earthing support coil type	No	6	215.80	1294.80
22	Danger Board	No	6	104.00	624.00
23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.8054	97.50	176.03
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	18	104.00	1872.00
25	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	7.222	97.50	704.15
26	No.6/8 GI wire for road cross guarding & earthing	Kg	90	97.50	8775.00
27	75x40x6 mm GI channel for straight cross arm,1.8 Mtr. Each 8 Nos,6.8 Kg/Mtr.	Kg	97.92	97.50	9547.20
28	Angle for Cantilever arrangement of size 50x50x6 mm 2.5 Mtr. Long @ 4.5 Kg/Mtr. (1 No. for cantilever arrangement(3 Nos. CA)	Kg	67.5	97.50	6581.25
29	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long(No	4	1365.00	5460.00
30	25x6 mm GI flat, @ 1.2 Kg/mtr.	Kg	60	97.50	5850.00
31	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
32	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
					507837.41
PART-II	Installation of 100 KVA 11/0.4KV sub station - 2 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)for support	No	2	34321.52	68643.04
2	Earthing Device coil type GI	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	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
5	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	97.50	1326.00
6	Cantilever angle for supporting HG fuse 50x50x6mm 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.5	97.50	1316.25
7	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
8	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

9	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
10	Disc insulator 70 KN (T&C) Polymer	No.	3	1495.00	4485.00
11	11 KV HW fitting (T&C)70 KN	No	3	455.00	1365.00
12	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
13	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
14	9KV 10KA LA, Station class	No.	3	1300.00	3900.00
15	HT stay set complete	No.	4	1365.00	5460.00
16	11KV stay insulator	No.	4	65.00	260.00
17	7/10 SWG stay wire, Grade-2	Kg	40	97.50	3900.00
18	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
19	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1365.00	9555.00
20	25x6 mm GI flat(Neutral)	Kg	10	97.50	975.00
21	25x4 mm GI flat(for LA)	Kg	60	97.50	5850.00
22	55 sq. mm AAAC for jumpering	Km	0.05	39000.00	1950.00
23	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
24	GI Nuts and Bolts of assorted size	Kg	25	101.40	2535.00
25	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	152100.00	152100.00
26	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 100 KVA S/S .	No	1	31744.70	31744.70
27	1 core 120 sq. mm LT XLPE cable(un armoured)	Mtr.	40	228.80	9152.00
28	Danger Board	No.	2	104.00	208.00
29	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	97.50	58.68
30	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
31	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	97.50	234.68
32	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					341591.55
PART-III	Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.330 Km				
1	9 Mtr Long 300 KG PSC Pole	No	11	3900.00	42900.00
2	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	11	1950.00	21450.00
3	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	346.50	182.00	63063.00
4	L.T Stay set (Complete)	Set	10	676.00	6760.00
5	L.T Stay Insulator	No.	10	39.00	390.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	10	143.00	1430.00
7	7/12 SWG Stay Wire	Kg	70	97.50	6825.00
8	Suspension clamp with I Hook	No.	5	442.00	2210.00
9	Dead end clamp suitable for XLPE cable	No	10	162.50	1625.00
10	Pole clamp for eye Hook for AB cable	pair	11	260.00	2860.00

11	Earthing device coil type	No	11	215.80	2373.80
12	GI Nuts, Bolt and washer	Kg	6	101.40	608.40
13	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	33	104.00	3432.00
14	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	13.24	97.50	1290.90
15	Danger Board	No.	11	104.00	1144.00
16	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	3.3099	97.50	322.72
17	Sundries	LS	1	500.00	500.00
					159184.82
	A.Sub Total Rs.				1,008,613.77
B	Stock,storage and insurance (@3% on A)				30258.41
C	TOTAL RS.				1038872.18
D	T&P @ 2% of C				20777.44
E	Contingency @ 3% of C				31166.17
F	Transportation @ 7.5% of C				77915.41
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				86332.31
H	TOTAL RS.				1255063.52
18	Cement Concrete for stud & stay anchor plate CC 1:3:6 by using 4 cm size Hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	20	1235.58	24711.60
19	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	8	2880.00	23040.00
20	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	11	2400.00	26400.00
21	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	19	720.00	13680.00
22	RCC Plinth for 100 KVA, 11/0.4KV DTR having CC, work 2Mtr x 2Mtr x 0.9 Mtr under gound level & 1.8Mtr x 1.8Mtr 1.8Mtr above gound level	No	1.00	21,269.00	21269.00
23	Brick wall Boundaring wall with fixing of iron grill gate etc(specification received from HOD, NEG & attached in another sheet)	No	1.00	150,000.00	150000.00
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	11	1600.00	17600.00
				Total Rs.	276,700.60
	Total Rs.				1,531,764.12
	Cess @ 1%				15,317.64
	Total Estimated Cost				1,547,081.76

	Total Estimated Cost in Figures				1,547,082.00
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/-
Dy. Manager (Elect) I/C**

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