

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

**PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F +1-E TYPE QTRS. AT KUKUDAKHANDI FIRE STATION IN THE DIST. OF GANJAM.**

**BID REF NO.- 01/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.	AMOUNT IN RS.
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAAC -0.025 Km</b>				
1	11 Mtr Long (150x150)mm GI Pole(30.6 Kg/Mtr.)IS 2062-1999	No	1	32818.50	32818.50
2	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 1 no. & 0.2 Mtr. Long 1 No. tapping point with Galvanisation.	Kg	12.88	97.50	1255.80
3	11KV Pin Insulator polymer	No.	3	260.00	780.00
4	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
5	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
6	55 sq. mm AAAC	Km	0.07725	39000.00	3012.75
7	PG clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
8	GI Nuts and Bolts of assorted size	Kg	1	101.40	101.40
9	Coil Earthing	No	1	215.80	215.80
10	GI Base Plate(500x500x10mm)@20 Kg/Pc	No	1	1950.00	1950.00
11	Danger Board	No	1	104.00	104.00
12	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	2	104.00	208.00
13	50x50x6 mm GI angle 0.5ft Long 02 nos. (appr. 1 Mtr. Per Pole ) for providing support for Anticlimbing Device @ 4.5 Kg/Mtr.	Kg	4.5	97.50	438.75
14	HT stay set complete	No.	1	1365.00	1365.00
15	11KV stay insulator	No.	1	65.00	65.00
16	7/10 SWG stay wire, Grade-2	Kg	10	97.50	975.00
17	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
18	Sundries(binding wire, insulating Tape etc.)	LS	3	250.00	750.00
					<b>49935.50</b>
<b>PART-II</b>	<b>LINE DP WITH 400 A AB SWITCH-1 No.</b>				
1	9 Mtr Long ,300 KG PSC Pole(IS 1678-1998)	No	2	3900.00	7800.00
2	Earthing Device coil type GI	No	2	215.80	431.60
3	Top Pressure Channel 100X50X6mm. GI 2.8mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	59.8	97.50	5830.50

4	GI Channel DP Belting 75x40x6mm., 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	44.2	97.50	4309.50
5	50x50x6mm Cross Bracing angle,GI 4.0 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	34.2	97.50	3334.50
6	A/B switch Mounting Channel 75x40x6mm. GI 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	97.50	3712.80
7	AB Switch operating pipe Channel support (75x40x4.8 mm) Channel, 0.625 Mtr. Length	Kg.	4.25	97.50	414.38
8	AB Switch Bottom Support Channel 75x40x4.8 mm),0.330 Mtr. Length	Kg.	2.244	97.50	218.79
9	Braking Support Channel for operating pipe 50x8 mm of Length ,0.5 Mtr.	Kg	1.57	97.50	153.08
10	11KV AB switch 3 pole(400 Amp,50 Hz)	Set	1	15405.00	15405.00
11	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	1	1365.00	1365.00
12	12 KV,10 KA LA	No.	3	4615.00	13845.00
13	25x6 mm GI flat	Kg	15	97.50	1462.50
14	HT stay set complete	No.	2	1365.00	2730.00
15	11KV stay insulator	No.	2	65.00	130.00
16	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
17	7/10 SWG stay wire	Kg	20	97.50	1950.00
18	GI Nuts and Bolts of assorted size	Kg	2.5	101.40	253.50
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
20	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	97.50	117.00
21	Danger Board	No.	2	104.00	208.00
22	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	97.50	58.50
23	Disc insulator 70 KN (B&S) Polymer	No.	3	1495.00	4485.00
24	11 KV HW fitting (B&S)70 KN, 3 Bolted	No	3	455.00	1365.00
25	100 sq. mm AAAC	Km	0.02	71500.00	1430.00
26	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	0.786	97.50	76.64
27	11 KV Pin Insulator	No	3	260.00	780.00
28	Black Paint	No	1	212.77	212.77
29	Yellow colour Paint for Back ground	Kg	1	286.00	286.00
30	Sundries for survey, tree cutting, small size Nut & Bolt, Allm. Binding wire/ tape, Danger Board etc.	LS	1	1000.00	1000.00
					<b>74314.05</b>
<b>PART-III</b>	<b>Installation of 100 KVA 11/0.4KV sub station - 1 No.</b>				
1	9 Mtr Long ,300 KG PSC Pole(IS 1678-1998)	No	2	3900.00	7800.00
2	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	152100.00	152100.00
3	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
4	Transformer mounting GI channel(100x50x6)mm,each 2.8mtr long 2 No(9.2 Kg/mtr)	K.g	51.52	97.50	5023.20

5	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
6	Transformer Belting GI Angle (50x50x6)mm,each 2.8mtr long 2 No(4.5 Kg/mtr)with side angle(Total 7 Mtr.)	Kg.	31.5	97.50	3071.25
7	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	13.5	97.50	1316.25
8	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
9	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
10	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
11	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
12	9KV 5KA LA, Station class	No.	3	1300.00	3900.00
13	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse.	No	1	19409.00	19409.00
14	HT stay set complete	No.	2	1365.00	2730.00
15	11KV stay insulator	No.	2	65.00	130.00
16	7/10 SWG stay wire, Grade-2	Kg	16	97.50	1560.00
17	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
18	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	5	1365.00	6825.00
19	25x6 mm GI flat(Neutral)	Kg	50	97.50	4875.00
20	Earthing Device coil type GI	No	2	215.80	431.60
21	GI Nuts and Bolts of assorted size	Kg	30	104.00	3120.00
22	GI Base Plate(500x500x10mm)@20 Kg/Pc	No	2	1950.00	3900.00
23	Danger Board	No.	2	104.00	208.00
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	4	104.00	416.00
25	55 sq. mm AAAC for jumpering	Km	0.03	39000.00	1170.00
26	3.5 core 50 sq. mm LT XLPE cable	Mtr.	15	263.90	3958.50
27	Sundries (Al. binding tape, insulation tape, clamp connector, jumpering materials, socket and other cable accessories etc.)	LS	1	1000.00	1000.00
					<b>257089.60</b>
<b>PART-IV</b>	<b>Construction of LT 3ph 5 W line using 3x35+1x25 sqmm XLPE AB Cable=0.3 Km</b>				
1	9 Mtr Long ,300 KG PSC Pole(IS 1678-1998)	No	10	3900.00	39000.00
2	3x35+1x25 sqmm XLPE AB Cable	Km	0.31	169000.00	52221.00
3	Suspension clamp with I Hook	Pair	8	442.00	3536.00
4	Dead end clamp	No	2	84.50	169.00
5	Eye Hook	No	2	78.00	156.00
6	Pole clamp for eye Hook	Pair	10	260.00	2600.00
7	Anticlimbing Device(GI barbed wire 2 Kg per support)	Kg	20	104.00	2080.00
8	Earthing device coil type GI	No	10	215.80	2158.00
9	Danger Board	No.	10	104.00	1040.00
10	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	3.004	97.50	292.89
11	RCC Base Plate	No	10	408.00	4080.00
12	L.T Stay set (Complete )	Set	3	676.00	2028.00
13	L.T Stay Insulator	No.	3	39.00	117.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	143.00	429.00

15	7/12 SWG Stay Wire	Kg	24	97.50	2340.00
16	GI Nuts, Bolt and washer	Kg	6	101.40	608.40
17	Black Paint	Ltr	3	286.00	858.00
18	Yellow colour Paint for Back ground	Ltr	3	212.77	638.31
19	Sundries (Paint, clamp,connectors,Binding Tape etc.)	LS	1	250.00	250.00
					<b>114601.60</b>
	A.Sub Total Rs.				<b>495940.75</b>
B	Stock,storage and insurance (@3% on A)				<b>14878.22</b>
C	TOTAL RS.				<b>510818.97</b>
D	T&P @ 2% of C				<b>10216.38</b>

E	Contingency @ 3% of C				<b>15324.57</b>
F	Transportation @ 7.5% of C				<b>38311.42</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>47182.39</b>
H	TOTAL RS.				<b>621853.73</b>
20	Construction of Brick wall Boundary with MS Gate(as per order of CSO, SOUTHCO, W.O No. 1691, dated-12.11.2008)	LS	1	53440.00	53440.00
21	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	8	1235.58	9884.64
22	Concreting of Poles in ratio 1:1:5:3=0.375 cum	Nos.	15	2400.00	36000.00
23	Couping of Poles in ratio 1:1:5:3(500x500x475)=0.11875 cum	Nos.	15	720.00	10800.00
24	Materials for Masonary 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
25				<b>Total Rs.</b>	<b>1,18,124.64</b>
	<b>Total Rs.</b>				<b>7,39,978.37</b>
	<b>Cess @ 1%</b>				<b>7,399.78</b>
	<b>Total Estimated Cost</b>				<b>7,47,378.15</b>
	<b>Total Estimated Cost in Figures</b>				<b>7,47,378.00</b>
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.)