

**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 :- 04 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-F TYPE QUARTERS AT UMMERKOTE POLICE STATION IN THE DISTRICT OF NABARANGPUR.**

**BID REF NO.- 94/PM/ELECT/OPHWC/2023-24**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**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>Extension of LT 3ph 5 W line using 3x35+1x25 sqmm XLPE AB Cable=0.35 Km with 5 Nos. HT intermediate Pole.</b>				
1	8 Mtr. Long 200 KG PSC pole	No	10	2600.00	26000.00
2	Base plate	No	10	340.00	3400.00
3	3x35+1x25 sqmm XLPE AB Cable	Mtr.	350.00	140.40	49140.00
4	Pole clamp with I hook	No	10	260.00	2600.00
5	Suspension clamp with I Hook	No	10	442.00	4420.00
6	Dead end clamp Eye Hook	No	10	84.50	845.00
7	Piercing connector	No	10	104.00	1040.00
8	Neutral connector	No	10	42.90	429.00
9	Earthing support coil type	No	10	215.80	2158.00
10	L.T Stay set (Complete )	Set	5	676.00	3380.00
11	L.T Stay Insulator	No.	5	39.00	195.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	143.00	715.00
13	7/12 SWG Stay Wire	Kg	40	97.50	3900.00
14	GI Nuts and Bolts of assorted size	Kg	12	101.40	1216.80
15	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				<b>99,938.80</b>
B	Stock,storage and insurance (@3% on A)				<b>2998.16</b>
C	TOTAL RS.				<b>102936.96</b>
D	T&P @ 2% of C				<b>2058.74</b>
E	Contingency @ 3% of C				<b>3088.11</b>
F	Transportation @ 7.5% of C				<b>7720.27</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>12971.70</b>
H	TOTAL RS.				<b>128775.78</b>

16	Couping with CC 1:3:6 by using 12 mm size Hard broken granite chips= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	10	193.00	1930.00
17	Cement Concreting for stay anchor plate with CC 1:3:6 using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	5	1160.00	5800.00
	Total Rs.(Part-I)				<b>136,505.78</b>
<b>PART-II</b>	<b>Installation of 63 KVA 11/0.4KV sub station - 1 No.</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	2	3900.00	7800.00
2	Top Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)GI	K.g	51.52	97.50	5023.20
3	Transformer mounting channel 100x50x6mm 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	97.50	5023.20
4	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
5	Cantilever Channel for supporting HG Fuse 75x40x6mm. MS Angle 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	97.50	1326.00
6	Cantilever Channel for supporting HG Fuse 50x50x6mm MS Angle 1 mtr. Long 2 Nos. (4.5 kg./mtr.)GI	Kg.	9	97.50	877.50
7	Cantilever Channel for supporting arrangement AB switch 50x50x6mm MS Angle 2 mtr. Long 2 Nos. (4.5 kg./mtr.)GI	Kg.	18	97.50	1755.00
8	Angle for mounting LT Distribution Box (50x50x6)mm 3 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	13.5	97.50	1316.25
9	11 KV HW fitting 3 Bolt T&C	No	3	169.00	507.00
10	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
11	11KV AB switch 3 pole(400 Amp)	Set	1	15405.00	15405.00
12	11KV HG fuse 3 pole(400 Amp)	Set	1	14989.00	14989.00
13	9KV 5KA LA, Station class	No.	3	1274.00	3822.00
14	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 63 KVA S/S.	No	1	23818.60	23818.60
15	HT stay set (Complete)	No.	2	1365.00	2730.00
16	stay Insulator	No.	2	65.00	130.00
17	Stay clamp	pair	2	162.50	325.00
18	7/10 SWG GI Saty wire	Kg	20	97.50	1950.00
19	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	5	1365.00	6825.00
20	Materials for earthing including massonary work for eathpit, charcoal,salt & RCC cover etc.	No	5	1500.00	7500.00
21	Earthing support coil type	No	2	215.80	431.60
22	No. 6 GI Wire for earthing	Kg	25	97.50	2437.50
23	GI Flat 25x6 mm for neutral & body earthing of DTR	Kg	20	97.50	1950.00

24	GI Nuts and Bolts of assorted size	Kg	40	101.40	4056.00
25	63 KVA ,11/0.4 KV(AL) Transformer BIS energy Level-II	No	1	112450.00	112450.00
26	LT 3.5 core ,50 sq. mm PVC cable(Unarmoured)	Mtr.	6	263.90	1583.40
27	Danger Board	No.	2	104.00	208.00
28	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	0.602	97.50	58.70
29	GI barbed wire anticlimbing device(3 Kg per support)	Kg	6	104.00	624.00
30	Back clamp for ACD (25x3 mm GI earth Flat,0.59 Kg/Mtr. & 0.51 Mtr. For each Back Clamp.)	Kg	0.602	97.50	58.70
31	RCC Base Plate	No	2	340.00	680.00
32	Sundries (Paint,insulating tape,clamp connector,jumpering materials,socket & other accessories etc.	LS	1	3500.00	3500.00
A.Sub Total Rs.					<b>232140.24</b>
B	Stock,storage and insurance (@3% on A)				<b>6964.21</b>
C	TOTAL RS.				<b>239104.45</b>
D	T&P @ 2% of C				<b>4782.09</b>
E	Contingency @ 3% of C				<b>7173.13</b>
F	Transportation @ 7.5% of C				<b>17932.83</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>18922.67</b>
H	TOTAL RS.				<b>287915.17</b>
33	Concreting of support CC 1:3:6 using 40 mm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	2	1270.00	2540.00
34	Couping with CC 1:3:6 by using 12 mm size Hard broken granite chips= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	2	193.00	386.00
35	Cement Concreting for stay anchor plate with CC 1:3:6 using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	2	1270.00	2540.00
36	RCC pillar of 6ft Long	No	10	450.00	4500.00
37	Couping of pillar with C.c 1:3:6, using 40 mm HBG metal size15'x15'x18'=0.0663 cum	No	10	276.00	2760.00
38	GI barbed wire @6.044 mtr./Kg 6 nos. run=40Ftx6=240ft=73.152 mtr.=12.10 Kg	Kg	12.1	80.00	968.00

39	MS Grill gate 1.5mtr (h) x 1.5mtr (w) made of 35x35x6 mm Angel and 25x6mm flat (Angel for outside boarder with horizontal & vertical crossing for i)35x35x6mm MS Angel=1.5mtr x 4 = 6mtr @ 3kg/mtr = 18kg@ Rs.93.00/kg=Rs.1674.00/- (with galvanisation charges) ii) 25x6 mm GI flat = 1.5mtr x8x2=24mtr@1.2kg/mtr=28.8kg@Rs.93.00/kg= Rs.2678.80 iii) Painting of gate with 2 coat= Rs.200/- (LS) Total = Rs.(1674+2678+200)= Rs.4552.80	No	1	4552.80	4552.80
40	Filling Sand @ 431.60/cmt for(8ft x 12ft x 1/2ft) = 48 Cft= 1.359Cm. i.e 1.359 x 431.60= 586.54 or 587.00		1	587.00	587.00
41	40MM Size HBG Metal @ Rs.981.36/cmt for (8ft x 12ft x 1/4ft) = 24Cft = 0.679Cmt i.e. 0.679 x 981.36 = 666.75 or say Rs. 667.00		1	667.00	667.00
42	Sundries (Danger Board,anticlimbing device etc.)	LS	1	350.00	350.00
					19850.80
				Total Rs.	<b>307,765.97</b>
<b>PART-III</b>	<b>11 KV LINE -0.03 Km with 5 Nos. HT intermediate Pole.</b>				
1	11 Mtr. Long 150x150mm GI Pole(30.6 Kg/Mtr.)	Kg	336.6	97.5	32818.5
2	9 Mtr. Long 300 KG PSC Pole	No	5	3900.00	19500.00
3	Base plate	No	6	340.00	2040.00
4	11 KV 'V' cross arm(10.2 Kg each)	No.	5	1053.00	5265.00
5	GI Back clamp for 11 KV V Cross Arm	No.	5	104.00	520.00
6	Top F clamp for PSC Pole ,2.9 Kg	No.	5	312.00	1560.00
7	Top Bracket 100x50x6 mm MS channel(02 Kg)	No	5	195.00	975.00
8	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
9	11 KV HW fitting (B&S)2 bolted	No	3	169.00	507.00
10	11KV Pin Insulator polymer	No.	15	260.00	3900.00
11	55 sq. mm AAAC	Km	0.0927	39000.00	3615.30
12	HT stay set complete	No.	2	1365.00	2730.00
13	11KV stay insulator	No.	2	65.00	130.00
14	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
15	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
16	GI Nuts and Bolts of assorted size	Kg	10	101.40	1014.00
17	100x50x6 mm MS channel for Top channel,1.2 Mtr.x6 pcs) @9.2 Kg/Mtr.with Galvanisation	Kg	25.87	97.50	2522.33
18	PG Clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
19	Earthing support coil type	No	6	215.80	1294.80
20	Danger Board	No.	6	104.00	624.00
21	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	1.02	97.50	99.45
22	GI barbed wire anticlimbing device(3 Kg per support)	Kg	18	104.00	1872.00

23	Back clamp for ACD (25x3 mm GI earth Flat,0.59 Kg/Mtr. & 0.51 Mtr. For each Back Clamp.)	Kg	1.02	97.50	99.45
24	Sundries (Paint,insulating tape,clamp connector,jumpering materials,socket & other accessories etc.	LS	1	1000.00	1000.00
A.Sub Total Rs.					<b>89587.83</b>
B	Stock,storage and insurance (@3% on A)				<b>2687.63</b>
C	TOTAL RS.				<b>92275.46</b>
D	T&P @ 2% of C				<b>1845.51</b>
E	Contingency @ 3% of C				<b>2768.26</b>
F	Transportation @ 7.5% of C				<b>6920.66</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>9545.89</b>
H	TOTAL RS.				<b>113355.78</b>
25	Concreting of support CC 1:3:6 using 40 mm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	6	1270.00	7620.00
26	Couping with CC 1:3:6 by using 12 mm size Hard broken granite chips= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	6	193.00	1158.00
27	Cement Concreting for stay anchor plate with CC 1:3:6 using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	2	1270.00	2540.00
Total Rs.					<b>124673.78</b>
Total Estimated Cost					<b>568,945.54</b>
Total Estimated Cost in Figures					<b>568,946.00</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/-  
D.M (Elect) I/C**

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