

**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.com /www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-E+12-F TYPE QTRS. AND ILLUMINATING PARADE GROUND AT RESERVE POLICE OFFICE PHULBANI IN THE DIST. OF KANDHAMAL.****BID REF NO.- 30/PM/ELECT/OPHWC/2024-25**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**SCHEDULE OF WORKS**

<b>Sl. No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty.</b>	<b>Estimated Cost in Rs.</b>	
				<b>RATE IN RS.</b>	<b>AMOUNT IN RS.</b>
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAA conductor-0.2 Km</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)Including base plate	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	110.4	102.00	11260.80
3	11 KV 'V' cross arm(10.2 Kg each)	No.	4	1101.60	4406.40
4	11 KV F clamp 2.9 Kg each	No	4	326.40	1305.60
5	GI Back clamp for 11 KV V Cross Arm	No.	4	108.80	435.20
6	Disc insulator 45 KN (B&S) Polymer	No.	15	1169.60	17544.00
7	11 KV HW fitting B&S)2 Bolted	No	15	353.60	5304.00
8	PG clamp for 55 sq. mm AAAC	No	15	652.80	9792.00
9	Fish Plate(50x8)mm,Each 0.28 Mtr. ,0.97 Kg/Mtr.	Kg	9.912	102.00	1011.02
10	11 Kv pin insulator Polymer	No	21	272.00	5712.00
11	55 sq. mm AAAC	Km	0.618	40800.00	25214.40
12	HT stay set complete	No.	4	1428.00	5712.00
13	11KV stay insulator Polymer	No.	4	68.00	272.00
14	7/10 SWG stay wire	Kg	40	102.00	4080.00
15	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
16	Earthing support coil type	No	6	225.76	1354.56
17	No.8 GI wire, dia 4.6 mm(0.131 Kg/Mtr.)2 Mtr. For connecting pole with coil earthing	Kg	2	102.00	160.34
18	Danger Board	No	6	108.80	652.80
19	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.8054	102.00	184.15
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	18	108.80	1958.40

21	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	7.222	102.00	736.64
22	No.6 GI wire(0.192 Kg/Mtr.) for main string	Kg	15	102.00	1566.72
23	No.8 GI wire(0.131 Kg/Mtr.) for Lashing	Kg	10	102.00	1068.96
24	75x40x6 mm GI channel for straight cross arm,1.8 Mtr. Each 4 Nos,6.8 Kg/Mtr.	Kg	81.6	102.00	8323.20
25	Eye Hook	No	8	81.60	652.80
26	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long	No	4	1428.00	5712.00
27	50x6 mm GI Flat for earthing ,2.36 Kg/Mtr.,2.5 Mtr., Long ,for mesh formation and 2.5 Mtr. For raising=5x2.36)	Kg	47.2	102.00	4814.40
28	GI Nuts and Bolts of assorted size	Kg	15	106.08	1591.20
29	Sundries (Aluminium binding tape ,paint, insulating tape, binding tape etc.	LS	1	500.00	500.00
					<b>327934.72</b>
<b>PART-II</b>	<b>Installation of 100 KVA 11/0.4KV sub station - 1 No.</b>				
1	11 Mtr Long (160x152)mm WPB Pole including base plate	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	225.76	451.52
3	No.8 GI wire, dia 4.6 mm(0.131 Kg/Mtr.)2 Mtr. For connecting pole with coil earthing	Kg	0.524	102.00	53.45
4	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
5	AB switch &HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
6	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
7	Cantilever angle for supporting AB switch arm ,75x40x6mm 1 mtr. Long 2 Nos. (6.8 kg./mtr.)	Kg.	13.5	102.00	1377.00
8	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	9	102.00	918.00
9	AB witch side support channel 100x50x6 mm GI channel,9.2 Kg/Mtr. (0.35Mtr Long)2 Nos. channel required	Kg	6.44	102.00	656.88
10	Channel support for down pipe 75x40x6 mm GI channel(6.8kg/mtr,1 Nos.)each channel length 0.8 Mtr.	Kg	5.44	102.00	554.88
11	Fish Plate(50x8)mm,Each 0.28 Mtr. ,0.97 Kg/Mtr.	Kg	3.964	102.00	404.33
12	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
13	11 KV HW fitting (T&C)45 KN	No	3	353.60	1060.80
14	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9996.00	9996.00

15	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	8323.20	8323.20
16	9KV 10KA LA, Station class	No.	3	1360.00	4080.00
17	HT stay set complete	No.	4	1428.00	5712.00
18	11KV stay insulator	No.	4	68.00	272.00
19	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
20	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
21	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00
22	25x6 mm GI flat(Neutral)	Kg	10	102.00	1020.00
23	25x4 mm GI flat	Kg	60	102.00	6120.00
24	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040.00
25	PG clamp for 55 sq. mm AAAC	No	3	652.80	1958.40
26	GI Nuts and Bolts of assorted size	Kg	25	106.08	2652.00
27	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	159120.00	159120.00
28	LT Distribution Box with MCCB, Aluminium Bus Bar for 2 bay with Kitkat fuse for 100 KVA S/S .	No	1	33209.84	33209.84
29	1 core 120 sq. mm LT XLPE cable(un armoured)	Mtr.	40	239.36	9574.40
30	Danger Board	No.	2	108.80	217.60
31	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
32	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
33	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
34	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					<b>353050.39</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.250 Km and using 1x35+1x25 sq. mm AB cable-0.28 Km(11 Span)</b>				
1	9 Mtr Long 300 KG PSC Pole	No	18	4080.00	73440.00
2	RCC Base Plate	No	18	408.00	7344.00
3	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	262.50	190.40	49980.00
4	1x35+1x25 sqmm XLPE AB Cable	Mtr.	294.00	57.12	16793.28
5	L.T Stay set (Complete )	Set	7	707.20	4950.40
6	L.T Stay Insulator	No.	7	40.80	285.60
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	149.60	1047.20
8	7/12 SWG Stay Wire	Kg	49	102.00	4998.00
9	Pole clamp for Eye Hook	Pair	19	272.00	5168.00
10	Dead end clamp suitable for XLPE cable	No	12	170.00	2040.00
11	Suspension clamp with I Hook	No.	11	462.40	5086.40
12	Earthing device coil type	No	18	225.76	4063.68
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	4.716	102.00	481.03
14	GI Nuts, Bolt and washer	Kg	10	106.08	1060.80

15	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	54	108.80	5875.20
16	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	21.665	102.00	2209.83
17	Danger Board	No.	18	108.80	1958.40
18	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	5.4162	102.00	552.45
19	Sundries	LS	1	1000.00	1000.00
					<b>188334.27</b>
A.Sub Total Rs.					<b>8,69,319.39</b>
B	Stock,storage and insurance (@3% on A)				<b>26079.58</b>
C	TOTAL RS.				<b>895398.97</b>
D	T&P @ 2% of C				<b>17907.98</b>
E	Contingency @ 3% of C				<b>26861.97</b>
F	Transportation @ 7.5% of C				<b>67154.92</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>74762.71</b>
H	TOTAL RS.				<b>1082086.55</b>
20	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	15	1235.58	18533.70
21	Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	8	2880.00	23040.00
22	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	18	2400.00	43200.00
23	Couping of Poles in ratio 1:1:5:3(500x500x475),0.11875 cum	Nos.	26	720.00	18720.00
24	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	11	1600.00	17600.00
25	Plinth of Transformer	No	1	32181.60	32181.60
26	Brick wall boundaring with fixing of iron grill gate etc.	RM	12	7,300.12	87601.44
				Total Rs.	<b>2,40,876.74</b>
<b>Total Rs.</b>					<b>13,22,963.29</b>
<b>Cess @ 1%</b>					<b>13,229.63</b>
Total Estimated Cost					<b>13,36,192.93</b>
Total Estimated Cost in Figures					<b>13,36,193.00</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.)**