

**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 :- 01 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-D TYPE QUARTERS AT RESERVE OFFICE PHULBANI IN THE DISTRICT OF KANDHAMAL.**

**BID REF NO.- 97/PM/ELECT/OPHWC/2023-24**

**NAME &  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2023-24	AMOUNT IN RS.
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAAC -0.02 Km</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)including Base Plate	No	2	34321.52	68643.04
2	100x50x6 mm GI channel for straight cross arm,1.45 Mtr.,9.2 Kg/Mtr.(2 Nos.)including top piece	Kg	51.52	97.50	5023.20
3	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1185.60	2371.20
4	11 KV F clamp 2.9 Kg each	No	2	349.70	699.40
5	GI Back clamp for 11 KV V Cross Arm	No.	2	104.00	208.00
6	Disc insulator 45 KN (B&S) Polymer	No.	6	1118.00	6708.00
7	11 KV HW fitting (B&S)45 KN	No	6	338.00	2028.00
8	PG clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
9	Fish plate 50x6 mm (3.14 Kg/Mtr.)each 0.28 Mtr.	No	6	85.72	514.33
10	11KV Pin Insulator polymer	No.	10	260.00	2600.00
11	55 sq. mm AAAC	Km	0.0618	39000.00	2410.20
12	HT stay set complete	No.	3	1365.00	4095.00
13	11KV stay insulator	No.	3	65.00	195.00
14	7/10 SWG stay wire, Grade-2	Kg	30	97.50	2925.00
15	HT stay clamp (1.9 Kg/Pair)	pair	3	162.50	487.50
16	Earthing support coil type	No	2	215.80	431.60
17	Danger Board	No	2	104.00	208.00
18	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
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	2.407	97.50	234.68
21	No.6/8 GI wire for road cross guarding 1 no.	Kg	20	97.50	1950.00

22	75x40x6 mm GI channel for straight cross arm,1.5 Mtr. Each 2 Nos,6.8 Kg/Mtr.	Kg	20.4	97.50	1989.00
23	GI pipe earthing 40 mm dia medium gauge(3.25 mm thickness)3 Mtr. Long(	No	2	1365.00	2730.00
24	25x6 mm GI flat for earthing	Kg	30	97.50	2925.00
25	GI Nuts and Bolts of assorted size	Kg	4	101.40	405.60
26	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
					<b>114708.43</b>
<b>PART-II</b>	<b>LINE DP WITH 400 A AB SWITCH-1 No.</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)including Base Plate	No	2	34321.52	68643.04
2	Top Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	51.52	97.50	5023.20
3	Bracing Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	97.50	3712.80
4	50x50x6mm Cross Bracing angle,4.0 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	36	97.50	3510.00
5	A/B switch Mounting Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	97.50	3712.80
6	Supporting Channel for AB switch Handle(75x40x6 mm)MS Channel,06 Mtr. Long,1 No.,6.8 Kg/Mtr.	Kg.	4.08	97.50	397.80
7	Disc insulator 45 KN (B&S) Polymer	No.	6	1118.00	6708.00
8	11 KV HW fitting (B&S)45 KN	No	6	338.00	2028.00
9	PG clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
10	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	6	85.72	514.33
11	11KV Pin Insulator polymer	No.	3	260.00	780.00
12	11KV AB switch 3 pole(400 Amp,50 Hz)	Set	1	15405.00	15405.00
13	12 KV,10 KA LA	No.	3	4615.00	13845.00
14	HT stay set complete	No.	4	1365.00	5460.00
15	11KV stay insulator	No.	4	65.00	260.00
16	7/10(3.25 mm dia per strand) SWG stay wire, 2.19 Mtr./Kg	Kg	40	97.50	3900.00
17	HT stay clamp (1.9 Kg/Pair)	pair	4	162.50	650.00
18	Earthing support coil type	No	2	215.80	431.60
19	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	3	1365.00	4095.00
20	25x6 mm GI flat	Kg	45	97.50	4387.50
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	0.6018	97.50	58.68
23	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
24	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
25	GI Nuts and Bolts of assorted size	Kg	10	101.40	1014.00
26	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					<b>150347.43</b>

<b>PART-III</b>	<b>Installation of 100 KVA 11/0.4KV sub station - 1 No.</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)including Base Plate	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(6.8K.g/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 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
11	11 KV HW fitting (B&S)45 KN	No	3	338.00	1014.00
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 5KA LA, Station class	No.	3	1274.00	3822.00
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
					<b>340031.55</b>
<b>PART-IV</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.660 Km</b>				
1	9 Mtr Long 300 KG PSC Pole	No	18	3900.00	70200.00
2	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	18	1950.00	35100.00
3	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	659.20	182.00	119974.40
4	L.T Stay set (Complete )	Set	12	676.00	8112.00
5	L.T Stay Insulator	No.	12	39.00	468.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	12	143.00	1716.00
7	7/12 SWG Stay Wire	Kg	84	97.50	8190.00
8	Suspension clamp with I Hook	No.	8	442.00	3536.00
9	Dead end clamp suitable for XLPE cable	No	18	162.50	2925.00
10	Pole clamp for eye Hook for AB cable	pair	18	260.00	4680.00
11	Earthing device coil type	No	18	215.80	3884.40
12	GI Nuts, Bolt and washer	Kg	9	101.40	912.60
13	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	54	104.00	5616.00
14	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	21.665	97.50	2112.34
15	Danger Board	No.	18	104.00	1872.00
16	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	5.4162	97.50	528.08
17	Sundries	LS	1	1000.00	1000.00
					<b>270826.82</b>
	A.Sub Total Rs.				<b>875,914.23</b>
B	Stock,storage and insurance (@3% on A)				<b>26277.43</b>
C	TOTAL RS.				<b>902191.65</b>
D	T&P @ 2% of C				<b>18043.83</b>

E	Contingency @ 3% of C				<b>27065.75</b>
F	Transportation @ 7.5% of C				<b>67664.37</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>79011.27</b>
H	TOTAL RS.				<b>1093976.88</b>
18	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	23	1235.58	28418.34
19	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	6	2880.00	17280.00
20	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	18	2400.00	43200.00
21	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	24	720.00	17280.00
22	RCC Plinth for 100 KVA, 11/0.4KV DTR having CC, work 2Mtr x 2Mtr x 0.9 Mtr under ground level & 1.8Mtr x 1.8Mtr 1.8Mtr above ground 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	12	1600.00	19200.00
				Total Rs.	<b>296,647.34</b>
	<b>Total Rs.</b>				<b>1,390,624.22</b>
	<b>Cess @ 1%</b>				<b>13,906.24</b>
	Total Estimated Cost				<b>1,404,530.46</b>
	Total Estimated Cost in Figures				<b>1,404,530.00</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.)**