

**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 6-F+6-E+12-E TYPE QUARTERS AT 4TH S.S Bn., MALKANGIRI.**

**BID REF NO.- 53/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>11 KV LINE</b>				
1	9 Mtr. Long 300 KG PSC Pole	No.	2	3900	7800.00
2	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1053.00
3	Back clamp for 11 KV V Cross Arm	No.	1	104.00	104.00
4	11 KV Top F clamp for PSC Pole ,2.9 Kg	No.	1	312.00	312.00
5	100x50x6 mm MS channel for straight cross arm,1.2 Mtr. Each 6 Nos,0.3 Mtr. Long 6 Nos. @9.2 Kg/Mtr.	Kg	82.8	84.50	6996.60
6	Disc insulator 45 KN (T&C) Polymer	No.	9	1118.00	10062.00
7	11 KV HW fitting (T&C)2 bolted	No	9	169.00	1521.00
8	11KV Pin Insulator polymer	No.	9	260.00	2340.00
9	HT stay set complete	No.	3	1365.00	4095.00
10	11KV stay insulator	No.	3	65.00	195.00
11	HT stay clamp (1.9 Kg/Pair)	pair	3	162.50	487.50
12	7/10 SWG stay wire, Grade-2	Kg	30	97.50	2925.00
13	Earthing support coil type	No	2	215.80	431.60
14	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2	97.50	195.00
15	RCC Base Plate for support	No	2	364.00	728.00
16	GI Nuts and Bolts of assorted size	Kg	5	101.40	507.00
17	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
18	55 sq. mm AAAC	Km	0.309	39000.00	12051.00
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	2	104.00	208.00
20	GI barbed wire anticlimbing device	Kg	2	104.00	208.00
21	Danger Board	No.	2	104.00	208.00
22	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	5.28	97.50	514.80
23	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.41	97.50	234.98

	A.Sub Total Rs.				<b>54,177.48</b>
B	Stock,storage and insurance (@3% on A)				<b>1625.32</b>
C	TOTAL RS.				<b>55802.80</b>
D	T&P @ 2% of C				<b>1116.06</b>
E	Contingency @ 3% of C				<b>1674.08</b>
F	Transportation @ 7.5% of C				<b>4185.21</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>6383.68</b>
H	TOTAL RS.				<b>69,161.83</b>
<b>PART-II</b>	<b>LT 3ph 5 W line using 3x35+1x25 sqmm XLPE AB Cable</b>				
1	8 Mtr. Long 200 KG PSC Pole	No	8	2600.00	20800.00
2	Earthing device coil type(GI)	No	8	215.80	1726.40
3	No.8 GI wire (Dia 4.6 mm )0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	8	97.50	780.00
4	RCC Base Plate	No	8	364.00	2912.00
5	L.T Stay set (Complete )	Set	5	676.00	3380.00
6	L.T Stay Insulator	No.	5	39.00	195.00
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	143.00	715.00
8	7/12 SWG Stay Wire	Kg	40	97.50	3900.00
9	Dead end clamp suitable for XLPE cable	No	6	84.50	507.00
10	Suspension clamp with I Hook for ABC	No.	4	442.00	1768.00
11	Pole clamp for eye Hook for AB cable	pair	10	260.00	2600.00
12	Strain fittings	No	6	94.06	564.36
13	Sundries (paint,binding tape etc.)	LS	1	1000.00	1000.00
14	GI Nuts and Bolts of assorted size	Kg	4	101.40	405.60
15	3x35+1x25 sqmm LT XLPE AB Cable	Km	0.37	140400.00	51597.00
16	Danger Board	No.	8	104.00	832.00
	A.Sub Total Rs.				<b>93,682.36</b>
B	Stock,storage and insurance (@3% on A)				<b>2810.47</b>
C	TOTAL RS.				<b>96492.83</b>
D	T&P @ 2% of C				<b>1929.86</b>
E	Contingency @ 3% of C				<b>2894.78</b>
F	Transportation @ 7.5% of C				<b>7236.96</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>11791.68</b>
H	TOTAL RS.				<b>120346.11</b>
<b>PART-III</b>	<b>100 KVA 11/0.4KV sub station -01 No.</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	2	3900.00	7800.00
2	Pressure Channel (MS)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	K.g	51.52	84.50	4353.44
3	Transformer mounting Channel(MS) 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)	K.g	51.52	84.50	4353.44
4	AB switch &HG fuse mounting channel(MS)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	84.50	6435.52

5	HG Fuse side support Channel 75x40x6 mm MS channel ,330 mm Long(6.5 K.g/mtr)	Kg.	2.24	84.50	189.28
6	Cantilever support channel 75x40x6 mm, MS, 810 mm Long(6.5 K.g/mtr)	Kg	5.51	84.50	465.60
7	Cantilever support angle 50x50x6 mm, MS, 1282 mm Long(4.5 K.g/mtr)	Kg	5.77	84.50	487.57
8	Transformer belting 50x50x6 mm MS Angle 4.5 Kg/Mtr. 2.8 Mtr. Long 2 Nos.,with side angle(7 Mtr. Long)	K.g	31.5	84.50	2661.75
9	LT Distribution Box mounting channel(75x40x6)mm 2.8 Mtr. Long 4 Nos.(6.8 Kg/Mtr.)	Kg	38.08	84.50	3217.76
10	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
11	11 KV HW fitting (B&S)2 bolted	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	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
15	LT Distribution box with MCCB, Aluminium Bus bar of 2- bay with Kitkat Fuse for 100 KVA S/S	No	1	31744.70	31744.70
16	HT stay set (Complete)	No.	2	1365.00	2730.00
17	stay Insulator, Type-C	No.	2	65.00	130.00
18	Stay clamp	pair	2	162.50	325.00
19	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
20	Earthing coil type	No	2	215.80	431.60
21	Danger Board	No	2	104.00	208.00
22	RCC Base plate for support	No	1	378.30	378.30
23	GI Flat 25x4 mm(For LA)	Kg	20	97.50	1950.00
24	GI Flat 25x6 mm(For earthing AB , HG ,Body & Neutral))	Kg	45	97.50	4387.50
25	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	152100.00	152100.00
26	Cable 1.1 KV AL 1 core 150 sq. mm (Un-armoured)	Mtr	32	273.00	8736.00
27	Gland for 1.1 KV Al 1Cx150 sq. mm	EA	4	128.30	513.20
28	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	7	1365.00	9555.00
29	GI nut,bolt & washers	Kg	36	101.40	3650.40
30	Sundries (Al. binding tape, insulation tape, anti climbing devices, paint, Danger Board)	LS	1	1000.00	1000.00
31	Anticlimbing device	No	2	104.00	208.00
32	GI barbed wire anticlimbing device	Kg	2	104.00	208.00
33	Back clamp for Barbed wire anticlimbing device 25x3 mm flat, 0.59 Kg/mtr., Flat of 0.510 mtr. Length 4 Nos.	Kg	2.41	97.50	234.98
34	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	7.03	97.50	685.43
35	55 sq. mm AAAC for jumpering purpose	Km	0.1	39000.00	3900.00
	A.Sub Total Rs.				<b>290,714.45</b>
B	Stock,storage and insurance (@3% on A)				<b>8721.43</b>
C	TOTAL RS.				<b>299435.88</b>

D	T&P @ 2% of C				<b>5988.72</b>
E	Contingency @ 3% of C				<b>8983.08</b>
F	Transportation @ 7.5% of C				<b>22457.69</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>22913.84</b>
H	TOTAL RS.				<b>359,779.21</b>
<b>PART-IV</b>	<b>11 KV LINE DP WITH WPB FOR ROAD CROSSING(2 NOS.)</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	2	34322.00	68644.00
2	Pressure Channel 100X50X6mm.2.8 mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	36.8	84.50	3109.60
3	Supporting Channel 100x50x6mm. 2mtr. Long 2Nos. (9.2kg./mtr.)MS	Kg.	36.8	84.50	3109.60
4	Cross Bracing Channel (75x40x6) mm 2 Mtr. Long 2 Nos.(6.8 Kg/Mtr.)	Kg	27.2	84.50	2298.40
5	50x50x6 mm MS angle 3.5 Mtr. Long 2 nos.,(4.5 Kg/Mtr.)(Total 7 Mtr. For Cross belting)	Kg	47.6	84.50	4022.20
6	Angle for supporting channel (75x40x6)mm Channel (MS),0.8 Mtr.,Long,1 No.,(6.8 Kg/Mtr.)	Kg	10.88	84.50	919.36
7	11KV Disc insulator Polymer type T&C45 KN	No.	6	1118.00	6708.00
8	11KV H.W Fittings T&C type 45 KN	No.	6	169.00	1014.00
9	11KV Pin Insulator Polymer	No.	6	260.00	1560.00
10	HT stay set (Complete)	No.	2	1365.00	2730.00
11	Stay Insulator	No.	2	65.00	130.00
12	Stay clamp	pair	2	162.50	325.00
13	7/10 SWG GI Saty wire	Kg	20	97.50	1950.00
14	Earthing coil for support/pole	No.	2	215.80	431.60
15	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2	97.50	195.00
16	RCC Base plate for support	No	2	364.00	728.00
17	Danger Board	No	2	104.00	208.00
18	GI nut,bolt & washers	Kg	10	101.40	1014.00
19	Sundries	LS	1	1000.00	1000.00
20	Anticlimbing device	No	2	104.00	208.00
21	GI barbed wire anticlimbing device	Kg	2	104.00	208.00
22	Back clamp for Barbed wire anticlimbing device 25x3 mm flat, 0.59 Kg/mtr., Flat of 0.510 mtr. Length 4 Nos.	Kg	2.41	97.50	234.98
23	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	3.516	97.50	342.81
	<b>A.Sub Total Rs.</b>				<b>101,090.55</b>
B	Stock,storage and insurance (@3% on A)				<b>3032.72</b>
C	TOTAL RS.				<b>104123.26</b>
D	T&P @ 2% of C				<b>2082.47</b>
E	Contingency @ 3% of C				<b>3123.70</b>
F	Transportation @ 7.5% of C				<b>7809.24</b>

G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>6877.16</b>
H	TOTAL RS.				<b>124,015.83</b>
	<b>For 2 nos.</b>				<b>248,031.66</b>
<b>PART-V</b>	<b>Construction for providing Roador River Crossing guarding with 02 nos. earthing.</b>				
1	Guarding Channel 75X50X6 mm, 3 Mtr. Long 2 Nos. for providing support for guarding at 2 No. of Road crossing @ 6.8 Kg/Mtr.	Kg	40.8	97.50	3978.00
2	Eye Hook (along with 2 nuts, 1 flat & spring washer each)	No	8	421.00	3368.00
3	25x6mm GI Flat for earthing	Kg	35	97.50	3412.50
4	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
5	No-8 GI wire	Kg	16.506	101.40	1673.71
6	No-10 GI wire	Kg	3.69	93.00	343.17
7	HT stay set (Complete)	No.	2	1365.00	2730.00
8	stay Insulator, Type-C	No.	2	65.00	130.00
9	Stay clamp	pair	2	162.50	325.00
	A.Sub Total Rs.				<b>18,690.38</b>
B	Stock,storage and insurance (@3% on A)				<b>560.71</b>
C	TOTAL RS.				<b>19251.09</b>
D	T&P @ 2% of C				<b>385.02</b>
E	Contingency @ 3% of C				<b>577.53</b>
F	Transportation @ 7.5% of C				<b>1443.83</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>1925.11</b>
H	TOTAL RS.				<b>23,582.58</b>
					<b>820,901.40</b>
10	Cement Concrete for stay anchor plate CC foundation 1:3:6 size by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	14	1270.00	17780.00
11	Cement Concreting for support with C.C with coupling 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	14	1463.00	20482.00
12	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal and RCC cover etc.	No	9	1600.00	14400.00

13	Fencing and sand & metal spreading 1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16796.42	16796.42
	Plinth (2 Mtr.x2 Mtr.x1.5 mtr.) for installation of 100 KVA Tfr.	No	1	29000.00	29000.00
	<b>Total Rs.(Part-I)</b>				<b>98,458.42</b>
	Total Estimated Cost				<b>919,359.82</b>
	Total Estimated Cost in Figures				<b>919,360.00</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/-  
Asst. Project Manager (Elect) (Hqr)

Sd/-  
Project Manager(Elect.)