

**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 :- 02 AS PER IFB**

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

**BID REF NO.- 75/PM/ELECT/OPHWC/2023-24**

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 -0.03 Km</b>				
1	11 Mtr. Long 330 KG PSC Pole	No.	1	9100	9,100.00
2	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1,053.00
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	27.6	84.50	2,332.20
6	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3,354.00
7	11 KV HW fitting (T&C)2 bolted	No	3	169.00	507.00
8	11KV Pin Insulator polymer	No.	3	260.00	780.00
9	HT stay set complete	No.	1	1365.00	1,365.00
10	11KV stay insulator	No.	1	65.00	65.00
11	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
12	7/10 SWG stay wire, Grade-2	Kg	10	97.50	975.00
13	Earthing support coil type	No	1	215.80	215.80
14	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1	97.50	97.50
15	RCC Base Plate for support	No	1	364.00	364.00
16	GI Nuts and Bolts of assorted size	Kg	3	101.40	304.20
17	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1,000.00
18	80 sq. mm AAAC	Km	0.0927	55900.00	5,181.93
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	1	104.00	104.00
20	GI barbed wire anticlimbing device	Kg	1	104.00	104.00
21	Danger Board	No.	1	104.00	104.00
22	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	1.76	97.50	171.60

23	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
A.Sub Total Rs.					<b>27,873.73</b>
B	Stock,storage and insurance (@3% on A)				<b>836.21</b>
C	TOTAL RS.				<b>28,709.94</b>
D	T&P @ 2% of C				<b>574.20</b>
E	Contigency @ 3% of C				<b>861.30</b>
F	Transportation @ 7.5% of C				<b>2,153.25</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>3,808.29</b>
H	<b>Total Rs.(Part-I)</b>				<b>36,106.97</b>
<b>PART-II</b>	<b>LT 3ph 5 W line using 3x35+1x25+1X16 sqmm XLPE AB Cable-0.7 Km</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	20	3900.00	78,000.00
2	Earthing device coil type(GI)	No	20	215.80	4,316.00
3	No.8 GI wire (Dia 4.6 mm )0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	20	97.50	1,950.00
4	RCC Base Plate	No	20	364.00	7,280.00
5	L.T Stay set (Complete )	Set	7	676.00	4,732.00
6	L.T Stay Insulator	No.	7	39.00	273.00
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	143.00	1,001.00
8	7/12 SWG Stay Wire	Kg	56	97.50	5,460.00
9	Dead end clamp	No	8	84.50	676.00
10	Suspension clamp with I Hook for ABC	No.	16	442.00	7,072.00
11	Pole clamp for eye Hook for AB cable	pair	24	260.00	6,240.00
12	Strain fittings	No	8	94.06	752.48
13	Sundries (paint,binding tape etc.)	LS	2	500.00	1,000.00
14	GI Nuts and Bolts of assorted size	Kg	15	101.40	1,521.00
15	3x35+1x25+1X16 sqmm LT XLPE AB Cable	Km	0.74	156000.00	114,660.00
16	Danger Board	No.	20	104.00	2,080.00
17	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	24.07	97.50	2,346.83
A.Sub Total Rs.					<b>239,360.31</b>
B	Stock,storage and insurance (@3% on A)				<b>7,180.81</b>
C	TOTAL RS.				<b>246,541.11</b>
D	T&P @ 2% of C				<b>4,930.82</b>
E	Contigency @ 3% of C				<b>7,396.23</b>
F	Transportation @ 7.5% of C				<b>18,490.58</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>32,688.11</b>
H	TOTAL RS.(Part-II)				<b>310,046.86</b>
<b>PART-III</b>	<b>63 KVA 11/0.4KV sub station -01 No.</b>				

1	11 Mtr. Long 330 KG PSC Pole	No	2	9100.00	18,200.00
2	Pressure Channel (MS)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	K.g	51.52	84.50	4,353.44
3	Transformer mounting Channel(MS) 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)	K.g	51.52	84.50	4,353.44
4	AB switch &HG fuse mounting channel(MS)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	84.50	6,435.52
5	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	2,661.75
6	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(4.5Kg/Mtr.)	Kg	9	84.50	760.50
7	AB Switch side support Channel 75x40x4.8 mm MS channel ,330 mm Long(7.14 K.g/mtr)	Kg.	0.22	84.50	18.59
8	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3,354.00
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	9,555.00
11	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7,956.00
12	12KV 10KA LA, Station class	No.	3	4615.00	13,845.00
13	LT Distribution box with MCCB, Aluminium Bus bar of single- bay with Kitkat Fuse for 63 KVA S/S	No	1	23818.60	23,818.60
14	LT 3.5 core 50 sq. mm PVC Cable(Un armoured)	Mtr	15	263.90	3,958.50
15	HT stay set (Complete)	No.	2	1365.00	2,730.00
16	stay Insulator, Type-C	No.	2	65.00	130.00
17	Stay clamp	pair	2	162.50	325.00
18	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1,950.00
19	40 mm nominal bore GI pipe (medium gauge)earthing device with 3 Mtr. Long	No	5	1365.00	6,825.00
20	Earthing coil type	No	2	215.80	431.60
21	GI Flat 25x6 mm(For earthing AB , HG ,Body & Neutral))	Kg	35	97.50	3,412.50
22	GI Flat 25x4 mm(For LA)	Kg	20	97.50	1,950.00
23	RCC Base plate for support	No	2	364.00	728.00
24	Danger Board	No	2	104.00	208.00
25	GI nut,bolt & washers	Kg	36	101.40	3,650.40
26	Sundries (Al. binding tape, insulation tape, anti climbing devices, paint, Danger Board)	LS	1	1000.00	1,000.00
27	63 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	112450.00	112,450.00
28	Anticlimbing device	No	2	104.00	208.00
29	GI barbed wire anticlimbing device	Kg	2	104.00	208.00
30	Danger Board	No	2	104.00	208.00
31	Back clamp for Barbed wire anticlimbing device 25x3 mm flat, 0.59 Kg/mtr., Flat of 0.510 mtr. Length 4 Nos.	Kg	1.2	97.50	117.00
32	55 sq. mm AAAC for jumpering purpose	Km	0.1	39000.00	3,900.00

	A.Sub Total Rs.				<b>240,208.84</b>
B	Stock,storage and insurance (@3% on A)				<b>7,206.27</b>
C	TOTAL RS.				<b>247,415.11</b>
D	T&P @ 2% of C				<b>4,948.30</b>
E	Contigency @ 3% of C				<b>7,422.45</b>
F	Transportation @ 7.5% of C				<b>18,556.13</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>20,824.94</b>
H	TOTAL RS.				<b>299,166.93</b>
33	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.	10	1270.00	12,700.00
34	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.	23	1463.00	33,649.00
35	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal and RCC cover etc.	No	5	1600.00	8,000.00
36	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	16,796.42
37	Dismantling charges of LT Poles	No	7	500.00	3,500.00
38	Dismantling charges of 3 Ph 5W LT Line	No	7	350.00	2,450.00
	<b>Total Rs.(Part-III)</b>				<b>376,262.35</b>
	Total Estimated Cost				<b>722,416.19</b>
	Total Estimated Cost in Figures				<b>722,416.00</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.)**