

**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 :- 06 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-E+6-F+6-F TYPE QTRS. AT POLICE COLONY, MV-02 IN THE DIST. OF MALKANGIRI.**

**BID REF NO.- 85/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>11 KV LINE -0.07 Km</b>				
1	11 Mtr. Long 160X152 WPB Pole(30.44 Kg/Mtr.)including strut Pole	No.	4	34321.5	137286.00
2	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	88.32	97.50	8611.20
3	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1053.00	2106.00
4	Back clamp for 11 KV V Cross Arm	No.	2	104.00	208.00
5	11 KV Top F clamp for PSC Pole ,2.9 Kg	No.	2	312.00	624.00
6	Disc insulator 70 KN (B&S) Polymer	No.	18	1495.00	26910.00
7	11 KV HW fitting (B&S)3 bolted	No	18	455.00	8190.00
8	PG clamp for 100 sq. mm AAAC	No	18	754.00	13572.00
9	Earthing support coil type	No	4	215.80	863.20
10	11KV Pin Insulator polymer	No.	16	260.00	4160.00
11	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.05	97.50	102.38
12	HT stay set complete	No.	6	1365.00	8190.00
13	11KV stay insulator	No.	6	65.00	390.00
14	HT stay clamp (1.9 Kg/Pair)	pair	6	162.50	975.00
15	7/10 SWG stay wire, Grade-2	Kg	60	97.50	5850.00
16	MSNuts and Bolts of assorted size	Kg	5	92.30	461.50
17	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
18	100 sq. mm AAAC	Km	0.2163	71500.00	15465.45
19	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	5.43	97.50	529.43
20	Danger Board	No.	4	104.00	416.00
21	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

22	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	104.00	1248.00
23	GI barbed wire anticlimbing device	Kg	4.81	97.50	468.98
A.Sub Total Rs.					<b>2,37,244.13</b>
B	Stock,storage and insurance (@3% on A)				<b>7117.32</b>
C	TOTAL RS.				<b>244361.45</b>
D	T&P @ 2% of C				<b>4887.23</b>
E	Contingency @ 3% of C				<b>7330.84</b>
F	Transportation @ 7.5% of C				<b>18327.11</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>17365.92</b>
H	<b>Total Rs.(Part-I)</b>				<b>2,92,272.55</b>
<b>PART-II</b>	<b>LT 3ph 5 W line using 4X50+1x50+1X16 sqmm XLPE AB Cable-0.6 Km</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	20	3900.00	78000.00
2	RCC Base Plate	No	20	364.00	7280.00
3	Danger Board	No.	20	104.00	2080.00
4	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	6.02	97.50	586.95
5	GI barbed wire anticlimbing device	Kg	60	104.00	6240.00
6	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	24.07	97.50	2346.83
7	Pole clamp for eye Hook for AB cable	Pair	20	260.00	5200.00
8	Suspension clamp with I Hook for ABC	No.	20	442.00	8840.00
9	Eye Hook for AB Cable for Dead end point	No.	14	84.50	1183.00
10	Conductor Dead End clamp suitable for bare messenger XLPE Aerial bunched cable(25-70 sq. mm)	No.	14	162.50	2275.00
11	L.T Stay set (Complete )	Set	11	676.00	7436.00
12	L.T Stay Insulator	No.	11	39.00	429.00
13	L.T Stay Clamp(1.4 K.g/Pair)	Pair	11	143.00	1573.00
14	7/12 SWG Stay Wire	Kg	110	97.50	10725.00
15	Earthing device coil type(GI)	No	20	215.80	4316.00
16	No.8 GI wire (Dia 4.6 mm )0.131 Kg/Mtr.,2 Mtr.for connecting pole with coil earthing	Kg	5.24	97.50	510.90
17	End Cap for ABC Cable	No	70	108.00	7560.00
18	4X50+1x50+1X16 sqmm LT XLPE AB Cable	Km	0.62	228423.80	141165.91
19	GI Nuts and Bolts of assorted size	Kg	15	101.40	1521.00
A.Sub Total Rs.					<b>2,89,268.58</b>
B	Stock,storage and insurance (@3% on A)				<b>8678.06</b>
C	TOTAL RS.				<b>297946.64</b>
D	T&P @ 2% of C				<b>5958.93</b>
E	Contingency @ 3% of C				<b>8938.40</b>
F	Transportation @ 7.5% of C				<b>22346.00</b>

G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>37828.66</b>
H	TOTAL RS.(Part-II)				<b>373018.63</b>
<b>PART-III</b>	<b>11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-4 SPAN</b>				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =( 4x7.14x1.2)	Kg	40.8	97.50	3,978.00
2	Eye Hook (along with 2 nuts,1 flat & spring washer each	No	4	421.00	1,684.00
3	25x6mm GI Flat for earthing	Kg	20	97.50	1,950.00
4	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2,730.00
5	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	16.506	101.40	1,673.71
6	HT stay set complete	No.	1	1365.00	1,365.00
7	11KV stay insulator	No.	1	65.00	65.00
8	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
9	7/10 SWG stay wire, Grade-2	Kg	10	97.50	975.00
	A.Sub Total Rs.				<b>14,583.21</b>
B	Stock,storage and insurance (@3% on A)				<b>437.50</b>
C	TOTAL RS.				<b>15020.70</b>
D	T&P @ 2% of C				<b>300.41</b>
E	Contingency @ 3% of C				<b>450.62</b>
F	Transportation @ 7.5% of C				<b>1126.55</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>1502.07</b>
H	TOTAL RS.(Part-II)				<b>18400.36</b>
<b>PART-IV</b>	<b>100 KVA 11/0.4KV sub station -01 No.</b>				
1	11 Mtr. Long 160X152 WPB Pole(30.44 Kg/Mtr.)	No.	2	34321.5	68643.00
2	Pressure Channel (MS)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel(MS) 100x50x6mm channel 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(MS)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
5	Cantilever channel for supporting HG Fuse 75x40x6 mm 1 Mtr. Long 2 Nos.(6.8 Kg/mtr.)	K.g	13.6	97.50	1326.00
6	Cantilever channel for supporting HG Fuse 75x40x6 mm 1 Mtr. Long 2 Nos.(4.5Kg/mtr.)	Kg	9	97.50	877.50

7	Angle for mounting LT Distribution Box (50x50x6)mm 1 mtr. Long 2 No.(4.5 Kg/Mtr.)	Kg.	9	97.50	877.50
8	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
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	9555.00
11	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
12	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
13	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	197353.00	197353.00
14	LT Distribution box with MCCB, Aluminium Bus bar of single- bay with Kitkat Fuse for 63 KVA S/S	No	1	31744.00	31744.00
15	Cable 1.1 KV AL 1Cx150 sq. mm armoured	Mtr	32	362.70	11606.40
16	HT stay set (Complete)	No.	4	1365.00	5460.00
17	stay Insulator, Type-C	No.	4	65.00	260.00
18	Stay clamp	pair	4	162.50	650.00
19	7/10 SWG GI Saty wire, grade-2	Kg	40	97.50	3900.00
20	Earthing coil type	No	2	215.80	431.60
21	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.626	97.50	61.04
22	Danger Board	No	2	104.00	208.00
23	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	0.6018	97.50	58.68
24	GI barbed wire anticlimbing device	Kg	6	104.00	624.00
25	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.4072	97.50	234.70
26	25x6 mm GI flat for earthing	Kg	45	97.50	4387.50
27	25x4 mm GI Flat(LA)	Kg	20	97.50	1950.00
28	Gland for 1.1 Kv Al 1Cx150 sq. mm	EA	4	128.00	512.00
29	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	7	1365.00	9,555.00
30	Nuts , bolts & washer	Kg	25	101.40	2,535.00
31	Saundries	Ls	1	2000.00	2,000.00
32	100 sq. mm AAAC for jumpering purpose	Km	0.02	71500.00	1,430.00
	A.Sub Total Rs.				3,99,373.91
B	Stock,storage and insurance (@3% on A)				11981.22
C	TOTAL RS.				411355.13
D	T&P @ 2% of C				8227.10
E	Contingency @ 3% of C				12340.65
F	Transportation @ 7.5% of C				30851.63
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				27436.71
H	TOTAL RS.				4,90,211.23
<b>PART-V</b>	<b>Construction of Plinth mounted S/S with DP using Dismantlled DTR.</b>				
1	11 Mtr. Long 160X152 WPB Pole(30.44 Kg/Mtr.)	No.	2	34321.5	68643.00

2	Pressure Channel (MS)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel(MS) 100x50x6mm channel 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(MS)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
5	Cantilever channel for supporting HG Fuse 75x40x6 mm 1 Mtr. Long 2 Nos.(6.8 Kg/mtr.)	K.g	13.6	97.50	1326.00
6	Cantilever channel for supporting HG Fuse 75x40x6 mm 1 Mtr. Long 2 Nos.(4.5Kg/mtr.)	Kg	9	97.50	877.50
7	Angle for mounting LT Distribution Box (50x50x6)mm 1 mtr. Long 2 No.(4.5 Kg/Mtr.)	Kg.	9	97.50	877.50
8	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
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	9555.00
11	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
12	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
13	LT Distribution box with MCCB, Aluminium Bus bar of single- bay with Kitkat Fuse for 63 KVA S/S	No	1	31744.00	31744.00
14	Cable 1.1 KV AL 1Cx150 sq. mm armoured	Mtr	32	362.70	11606.40
15	HT stay set (Complete)	No.	4	1365.00	5460.00
16	stay Insulator, Type-C	No.	4	65.00	260.00
17	Stay clamp	pair	4	162.50	650.00
18	7/10 SWG GI Saty wire, grade-2	Kg	40	97.50	3900.00
19	Earthing coil type	No	2	215.80	431.60
20	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.626	97.50	61.04
21	Danger Board	No	2	104.00	208.00
22	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	0.6018	97.50	58.68
23	GI barbed wire anticlimbing device	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	2.4072	97.50	234.70
25	25x6 mm GI flat for earthing	Kg	45	97.50	4387.50
26	25x4 mm GI Flat(LA)	Kg	20	97.50	1950.00
27	Gland for 1.1 Kv Al 1Cx150 sq. mm	EA	4	128.00	512.00
28	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	7	1365.00	9,555.00
29	Nuts , bolts & washer	Kg	25	101.40	2,535.00
30	Saundries	Ls	1	2000.00	2,000.00
31	100 sq. mm AAC for jumpering purpose	Km	0.02	71500.00	1,430.00
	A.Sub Total Rs.				2,02,020.91
	B.Deduction of Salvage Value @8 %				<b>16,161.67</b>
	C. Total Material cost after deducting Salvage Value @8%				<b>1,85,859.24</b>
	D. Stock, Storage & Insurance @ 3% of C				5,575.78

E. Sub Total (E=C+D)					<b>1,91,435.02</b>
T&P @ 2% of E					3,828.70
Contingency @ 3% of E					5,743.05
Transportation @ 7.5% of E					14,357.63
Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles					15,891.11
					<b>231255.50</b>
32	Cement Concrete for stay anchor plate CC foundation 1:2:4 size as per TPSODL specification.	Nos.	26	1235.58	32125.08
33	Cement Concreting for 11 Mtr. Long WPB Pole in ratio 1:1:5:3 and coupling of poles in ratio 1:1:5:3	Nos.	8	3600.00	28800.00
34	Cement Concreting for 9 Mtr. PSC Pole in ratio 1:1:5:3 and coupling of poles in ratio 1:1:5:3	Nos.	20	3120.00	62400.00
35	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal and RCC cover etc.	Ls	16	1600.00	25600.00
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	16796.42
37	Dismantling charges of LT Lines	No	2	400.00	800.00
38	Dismantling charges of LT Line	No	2	500.00	1000.00
39	Dismantling charges of existing HT Poles	No	1	972.00	972
40	Dismantling charges of existing 100 KVA DTR	No	1	3500.00	3500.00
					171993.50
<b>Total Rs.</b>					<b>15,77,151.78</b>
<b>Cess @1%</b>					<b>15,771.52</b>
Total Estimated Cost					<b>15,92,923.30</b>
Total Estimated Cost in Figures					<b>15,92,923.00</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.)**