

**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-F +4-E TYPE QTRS. AT SADAR POLICE STATION , BERHAMPUR IN THE DIST. OF GANJAM.**

**BID REF NO.- 77/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. 2023-24	AMOUNT IN RS.
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm AAAC -0.015 Km</b>				
1	11 Mtr Long (150x150)mm GI Joist Pole(30.6 Kg/mtr)IS 2062-1999	No	1	32818.50	32818.50
2	75X40X6 mm channel for LA(with Galvanisation)	Kg	8.16	97.50	795.60
3	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos.,0.2 Mtrs. Long 2 Nos. for 1 Nos. cut point (with Galvanisation)	Kg	12.88	97.50	1255.80
4	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1053.00
5	11 KV F clamp 2.9 Kg each	No	1	312.00	312.00
6	GI Back clamp for 11 KV V Cross Arm	No.	1	104.00	104.00
7	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
8	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
9	55 sq. mm AAAC	Km	0.46	39000.00	17940.00
10	PG clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
11	Coil earthing	No	1	215.80	215.80
12	GI Nuts and Bolts of assorted size	Kg	2	101.40	202.80
13	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	1	1950.00	1950.00
14	Danger Board	No	1	104.00	104.00
15	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	2	104.00	208.00
16	50x50x6 mm GI Angle(appr. 1 Mtr. Per pole) for providing support for anticlimbing Device @ 4.5 Kg/Mtr.	Kg	4.5	97.50	438.75
17	HT stay set complete	No.	1	1365.00	1365.00
18	11KV stay insulator	No.	1	65.00	65.00
19	7/10 SWG stay wire, Grade-2	Kg	10	97.50	975.00
20	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
21	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00

					<b>68070.75</b>
<b>PART-II</b>	<b>Installation of 100 KVA 11/0.4KV sub station - 1 No.</b>				
1	11 Mtr Long (150x150)mm GI Joist Pole(30.6 Kg/mtr)IS 2062-1999	No	2	32818.50	65637.00
2	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	152100.00	152100.00
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(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
5	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	13.5	97.50	1316.25
6	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
7	11 KV HW fitting (T&C)45 KN	No	3	169.00	507.00
8	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
9	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
10	12KV 10KA LA, Station class	No.	3	1300.00	3900.00
11	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
12	HT stay set complete	No.	2	1365.00	2730.00
13	11KV stay insulator	No.	2	65.00	130.00
14	7/10 SWG stay wire, Grade-2	Kg	16	97.50	1560.00
15	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
16	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	5	1365.00	6825.00
17	Earthing support coil type	No	2	215.80	431.60
18	25x6 mm GI flat(for earthing)	Kg	50	97.50	4875.00
19	GI Nuts and Bolts of assorted size	Kg	30	104.00	3120.00
20	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	2	1950.00	3900.00
21	Danger Board	No.	2	104.00	208.00
22	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	4	104.00	416.00
23	50x50x6 mm GI Angle(appr. 1 Mtr. Per pole) for providing support for anticlimbing Device @ 4.5 Kg/Mtr.	Kg	9	97.50	877.50
24	55 sq. mm AAAC for jumpering	Km	0.03	39000.00	1170.00
25	3.5 core 185 sq. mm 11 KV XLPE cable(Armoured)A2XFY	Mtr.	15	1111.50	16672.50
26	Sundries (Al. binding tape, clamp connector ,jumpering materials,socket and cable accessories etc.)	LS	1	1000.00	1000.00
					<b>332759.35</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.45 Km</b>				
1	9 Mtr Long 300 KG PSC Pole	No	13	3900.00	50700.00

2	3x50+1x35+1x16 sqmm XLPE AB Cable	Km	0.46	182000.00	84357.00
3	Suspension clamp with I Hook	No.	13	442.00	5746.00
4	Dead end clamp suitable for XLPE cable	No	5	84.50	422.50
5	Eye Hook	No	5	78.00	390.00
6	Pole clamp for eye Hook for AB cable	pair	18	260.00	4680.00
7	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	26	104.00	2704.00
8	Earthing device coil type	No	13	215.80	2805.40
9	RCC Base Plate	No	13	408.00	5304.00
10	L.T Stay set (Complete )	Set	6	676.00	4056.00
11	L.T Stay Insulator	No.	6	39.00	234.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	6	143.00	858.00
13	7/12 SWG Stay Wire	Kg	48	97.50	4680.00
14	GI Nuts and Bolts	Kg	3.9	101.40	395.46
15	Sundries	LS	1	1000.00	1000.00
					<b>168332.36</b>
<b>PART-IV</b>	<b>11 KV LINE DP WITH AB SWITCH-1 NO.</b>				
1	11 Mtr Long (150x150)mm GI Joist Pole(30.6 Kg/mtr)IS 2062-1999	No	2	32818.50	65637.00
2	100x50x6 mm GI channel 2.8 Mtr. Long 2 Nos. for Top pressure Channel @ 9.2 Kg/mtr.	Kg	51.52	97.50	5023.20
3	75x40x6 mm GI channel 2.8 Mtr. Long 2 Nos. for AB Switch mounting channel @ 6.8 Kg/mtr.	Kg	38.08	97.50	3712.80
4	75x40x6 mm GI channel 2.8 Mtr. Long 2 Nos. for supporting Cross Bracing at Bottom of DP	Kg	38.08	97.50	3712.80
5	50x50x6 mm MS angle 3.6 Mtr. Long 2 Nos. for providing cross Bracing at bottom of DP @ 4.5 Kg/mtr.	Kg	32.4	97.50	3159.00
6	11KV AB switch( 3 pole,400 Amp,50Hz)	Set	1	15405.00	15405.00
7	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
8	11 KV HW fitting (T&C)45 KN	No	6	169.00	1014.00
9	HT stay set complete	No.	2	1365.00	2730.00
10	11KV stay insulator	No.	2	65.00	130.00
11	7/10 SWG stay wire, Grade-2	Kg	20	97.50	1950.00
12	HT stay clamp (1.9 Kg/Pair)	pair	2	162.50	325.00
13	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	1	1365.00	1365.00
14	Earthing support coil type	No	2	215.80	431.60
15	25x6 mm GI flat(for earthing)	Kg	15	97.50	1462.50
16	GI Nuts and Bolts of assorted size	Kg	5	104.00	520.00
17	GI Base plate for support (500x500x10)mm for support,20 Kg each	No	2	1950.00	3900.00
18	Danger Board	No.	2	104.00	208.00
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	4	104.00	416.00
20	50x50x6 mm GI Angle(appr. 1 Mtr. Per pole) for providing support for anticlimbing Device @ 4.5 Kg/Mtr.	Kg	18	97.50	1755.00

21	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	500.00	500.00
					<b>120064.90</b>
	A.Sub Total Rs.				<b>6,89,227.36</b>
B	Stock,storage and insurance (@3% on A)				<b>20676.82</b>
C	TOTAL RS.				<b>709904.18</b>
D	T&P @ 2% of C				<b>14198.08</b>
E	Contingency @ 3% of C				<b>21297.13</b>
F	Transportation @ 7.5% of C				<b>53242.81</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>59928.60</b>
H	TOTAL RS.				<b>858570.80</b>
24	Plinth for 11/0.4 KV,100 KVA DTR	No	1.00	9,200.00	9200.00
22	Construction of brick wall boundary with MS gate(as per order of CSO, Southco W.O No.-1691 dated 12.11.08)	No	1.00	53,440.00	53440.00
19	Cement Concrete for stud & stay anchor plate CC 1:3:6 by using 4 cm size Hard granite metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	11	1270.00	13970.00
20	Cement Concreting for support with C.C. 1:3:6 by using 4 cm 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.	5	1460.00	7300.00
20	Cement Concreting for support with C.C. 1:3:6 by using 4 cm size hard granite metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	13	1270.00	16510.00
21	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	5	1600.00	8000.00
23	Dismantlling of 63 KVA 11/0.4 KV S/S	Ls	1.00	3,000.00	3000.00
				Total Rs.	<b>1,11,420.00</b>
	Total Estimated Cost				<b>9,69,990.80</b>
	Total Estimated Cost in Figures				<b>9,69,991.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)			_____ %	
Quoted Amount in Figure					

Quoted Amount in word	
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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.)**