

**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 :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4 NOS F TYPE QUARTERS AT BALICHANDRAPUR POLICE STATION IN THE DISTRICT OF JAJPUR.

BID REF NO :- 04/PM/ELECT/OPHWC/2024-25

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	REPLACEMENT OF 11 KV PIN POINT POLE TO DISC POINT AND INSTALLATION OF 1 NO. WPB POLE IN PLACE OF LOW HEIGHT PSC POLE.				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB GI Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	91.776	76.00	6974.98
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	21.1456	97.50	2061.70
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	23.40288	76.00	1778.62
5	Danger plate	No	2	104.00	208.00
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
7	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
9	11 KV pin insulator polymer	Set	8	260.00	2080.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	12	455.00	5460.00
11	Disc insulator (B&S) 70 KN polymer	No.	12	1495.00	17940.00
12	Earthing of Support (Coil Type)	No	2	215.80	431.60
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	97.50	51.09
14	PG Clamp for 55 sq. mm AAAC	No	12	624.00	7488.00
16	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	4	162.50	650.00
17	HT Stay Set (Complete)	Set	4	1365.00	5460.00
18	HT Stay Insulator	No.	4	65.00	260.00
19	7/10 SWG Stay Wire , 15 Kg/stay	KG	60	97.50	5850.00
20	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	14.866	101.40	1507.41
21	Yellow colour paint for Background	Ltr	4	216.00	864.00

22	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				1,19,590.77
B	B. Stock, Storage & Insurance @ 3% of A				3,587.72
C	Sub Total (C=A+B)				1,23,178.49
D	T&P @ 2% of C				2,211.84
E	Contingency @ 3% of C				3,695.35
F	Transportation @ 7.5% of C				9,238.39
		Erection Charges @ 5% on WPB poles			3,055.08
G	Erection Charges @ 10%				4,949.02
H	Total				1,46,328.18
23	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	4	2250.00	9000.00
24	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	0.9	6500.00	5850.00
25	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	0.225	6500.00	1462.50
	Total Material + Services Cost (J+K)				1,62,640.68
II	INSTALLATION OF 63 KVA S/S.				
1	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
2	LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 63 KVA S/S	No	1	23818.60	23818.60
3	55mm ² All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2762.00
4	4 Cx 95 mm ² LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr	15	479.61	7194.15
5	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
6	11 KV Pin Insulator polymer type	No	3	260.00	780.00
7	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
8	GI Nut, Bolt & washers of different sizes	Kg	3	101.40	304.20
A	A. Sub total				1,70,708.95
B	B. Stock, Storage & Insurance @ 3% of A				5,121.27
C	Sub Total (C=A+B)				1,75,830.22
D	T&P @ 2% of C				3,171.57
E	Contingency @ 3% of C				5,274.91
F	Transportation @ 7.5% of C				13,187.27
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				5,791.18
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				4,275.51
J	Total				2,07,530.65

9	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3700.00	25,900.00
10	Laying of 4Cx95 sq. mm LT XLPE cable	Mtr	50	46.80	2,340.00
					28,240.00
				Sub total Rs	2,35,770.65
III	Construction of LT Line using 3X50+1x35+1x16 sq. mm LT AB Cable- -0.36 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	9	3900.00	35,100.00
2	LT stay set complete	Set	7	676.00	4,732.00
3	7/12 SWG GI stay wire, Grade-2	Kg	84	97.50	8,190.00
4	LT stay clamp	Pair	7	143.00	1,001.00
5	LT stay set Insulator	No	7	39.00	273.00
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	16	260.00	4,160.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	14	78.00	1,092.00
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	14	84.50	1,183.00
10	Suspension Clamp with Eye hook for ABC (25-70 sq. mm)	No	2	442.00	884.00
11	3x50+1x35+1x16 sq. mm LT Aerial Bunched Cable	Mtr	378	182.00	68,796.00
12	Insulated Piercing connector Type-A -main 50 to 150 sq. mm & Tap 50 to 150 sq. mm	No	5	113.08	565.40
13	Pipe earthing	No	2	1365.00	2,730.00
14	Coil Earthing	No	7	215.80	1,510.60
15	No-8 GI wire (Dia-4.6mm)	Kg	2.358	97.50	229.91
16	Danger plate (LT)	No	9	104.00	936.00
17	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	2.71	97.5	264.23
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	27	104	2808.00
19	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	10.83	97.5	1055.93
20	GI Nut, Bolt & washers of different sizes	Kg	4.5	101.40	456.30
21	Yellow colour paint for Background	Ltr	18	216.00	3,888.00
22	Black paint	Ltr	9	286.00	2,574.00
A	TOTAL MATERIAL COST				1,42,429.36
B	Stock, Storage & Insurance @ 3% of A				4,272.88
C	Sub Total (C=A+B)				1,46,702.24
D	Contingency @3% of C				4,401.07
E	T & P 2% of C				2,780.33
F	Transportation @ 7.5% of C				11,002.67
G	Erection Charges for PSC Pole @ 20%				7,230.60
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				9,311.55
J	Sub Total Rs.				1,81,428.45
Civil and Services Works (As per Technical Specification)					

23	Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod & stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts & Bolts,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	7	2250	15750
24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	3.375	6500.00	21,937.50
25	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3700.00	7,400.00
K	Total Services Cost				45,087.50
	Total Material + Services Cost (J+K)				2,26,515.95
	Total Rs.				6,24,927.28
	Cess @1%				6,249.27
	Total Estimated Cost				6,31,176.55
	Total Estimated Cost in Figures				6,31,177.00
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.)