

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 :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK TO PROVIDE POWER SUPPLY TO 6-E TYPE STAFF QUARTERS AT INDUSTRIAL POLICE STATION IN THE DISTRICT OF KHORDHA.

BID REF NO :- 43/PM/ELECT/OPHWC/2026-27

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	11 KV LINE				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	GI Channel, angle & flat of different size	Kg	67.344	78	5252.83
2	11 KV pin insulator polymer	No.	4	140.00	560.00
3	H W fitting(B&S) 70KN, 3Bolt	No.	6	412.00	2472.00
4	Disc insulator (B&S) 70 KN polymer	No.	6	150.00	900.00
5	Wedge connector for 100 sq. mm AAAC	No.	6	100.00	600.00
6	Polycarbonate Bird guard	No.	10	21.00	210.00
7	H.T. Stay clamp	No.	2	260	520.00
8	H.T. Stay set (Complete)	Set	2	1434	2868.00
9	H.T. Stay Insulator Type-C	No.	2	87.00	174.00
10	7/10 SWG Stay Wire	KG	30	77.00	2310.00
11	GI Nut , Bolt & Washer of different sizes	KG	9.996	74.00	739.70
A	A. Sub total				16,606.54
B	B. Stock, Storage & Insurance @ 3% of A				498.20
C	Sub Total (C=A+B)				17,104.73
D	T&P @ 2% of C				221.14
E	Contingency @ 3% of C				513.14
F	Transportation @ 7.5% of C				1,282.85
G	Erection Charges @ 5% on poles				
H	Erection Charges @ 10%				1,105.66
I	Total				20,227.53
B	11 KV PIN POINTS WITH WPB				
1	WPB (GI) Pole 160x152 11 Mtr. Long for SP(Intermediate pole)	No	1	28835.00	28835.00
2	11 KV V Cross Arm	No.	1	851	851.00
3	Top Bracket 100x50x6 mm GI Channel	Kg	1	81	81.00
4	Danger plate	No.	1	180.00	180.00
5	Back clamp for Danger Plate and barbed wire	Kg	1.54	78.00	120.12
6	GI barbed wire antilimbing device	Kg	3	74.00	222.00
7	11 KV pin insulator polymer	No.	3	140.00	420.00
8	Earthing of Support (Coil Type)	No.	1	164.00	164.00
9	GI Nut , Bolt & Washer of different sizes	Kg	1.37	74.00	101.38
10	55 sq. mm AAAC	Km	0.0618	43360.00	2679.65
11	Polycarbonate Bird guard	No.	3	21.00	63.00
A	A. Sub total				33,717.15
B	B. Stock, Storage & Insurance @ 3% of A				1,011.51
C	Sub Total (C=A+B)				34,728.66

D	T&P @ 2% of C				694.57
E	Contingency @ 3% of C				1,041.86
F	Transportation @ 7.5% of C				2,604.65
G	Erection Charges @ 5% on poles				1,485.00
H	Erection Charges @ 10%				502.86
I	Total				41,057.61
12	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.Mtr	0.45	6648.85	2,991.98
13	Couping of Pole @ 1:1.5:3(M-20 Grade)	Cu. Mtr	0.1125	6648.85	748.00
14	GIS Mapping, indexing/numbering of Poles	No	1.00	836.00	836.00
15	Painting of Pole in Black & Yellow strips/Zebra	No.	1	283.34	283.34
16	GIS coordinate mapping, drawing preparation and submission of the same for New/ Existing Line.	No.	0.02	10470.00	209.40
	Total Material + Services Cost				46,126.32
II	INSTALLATION OF 63 KVA S/S.				
1	WPB (GI) Pole 160x152 11 Mtr. Long for DP	No.	2	28835.00	57670.00
2	GI Channel, angle & flat of different size	KG	533.146	78.00	41585.39
3	9 Mtr. long PSC Pole	No.	1	3630.00	3,630.00
4	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	No.	2	240.00	480.00
5	EYE hook for XLPE Aerial bunched Cable	No.	2	75.00	150.00
6	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No.	2	217.00	434.00
7	LT Stay set Complete	SET	1	736.00	736.00
8	7/12 SWG GI stay wire, Grade -2	KG	12	79.00	948.00
9	LT stay Clamp	No.	1	350.00	350.00
10	LT Stay insulator	No.	1	19.00	19.00
11	63 KVA , 11/ 0.4 KV (AL) Transformer, BIS Energy Loss level II, Ammendment-4	No.	1	141309.00	141309.00
12	LT Distribution Box for 63 KVA S/S	No.	1	26990.00	26990.00
13	55 SQ.MM. AAAC XLPE Covered Conductor	Mtr.	50	101.00	5050.00
14	4 Cx 95 mm2 LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr.	15	533.00	7995.00
15	1.1kV, 4Core, 95sqmm, XLPE insulation armoured - Aluminium UG cable from LTDB to Pole	Mtr.	40	533.00	21320.00
16	HDPE pipe of 110 mm diameter, PE 80- PN8	Mtr.	20	261.00	5220.00
17	AB Switch(11KV,200A.3pole,50Hz)	SET	1	9080.00	9080.00
18	DO.Fuse(11KV.200A.3Pole)	SET	1	3214.00	3214.00
19	10 AMP Fuse Link	No.	3	40.00	120.00
20	Wedge connector for 100 sq. mm AAAC	No.	3	100.00	300.00
21	Polycarbonate Bird guard	No.	3	21.00	63.00
22	Disc insulator (B&S)70 KN polymer	No.	3	150.00	450.00
23	H W fitting (B&S)70KN(3bolted)	No.	3	412.00	1236.00
24	Lightning Arrester(12KV,10KA) Station Class 2	No.	3	1960.00	5880.00
25	DMC Insulator for LA (70/10)	No.	8	113.50	908.00
26	HT stay set complete	SET	2	1434.00	2868.00
27	HT stay Clamp	EA	2	260.00	520.00
28	HT stay insulator TYPE-C	EA	2	87.00	174.00
29	7/10 SWG GI stay wire, Grade -2	KG	30	77.00	2310.00
30	Gi Pipe Earthing 40mm. 3 Mtr. Long	EA	7	1300.00	9100.00
31	GI Nuts & Bolts of Assorted size	KG	25	74.00	1850.00
32	GI Barbed wire/Anticlimbing device	KG	6	74.00	444.00
33	Danger plate 11kv	EA	2	180.00	360.00
A	A. Sub total				3,52,763.39
B	B. Stock, Storage & Insurance @ 3% of A				10,582.90
C	Sub Total (C=A+B)				3,63,346.29
D	T&P @ 2% of C				6,204.79
E	Contingency @ 3% of C				10,900.39
F	Transportation @ 7.5% of C				27,250.97
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				10,247.42
H	Erection Charges @ 20% on PSC Poles				747.78

I	Erection Charges @ 10% for other materials				10,155.22
J	Total				4,28,852.86
34	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.Mtr	0.9	6648.85	5,983.97
35	Couping of Pole @ 1:1.5:3(M-20 Grade)	Cu. Mtr	0.226	6648.85	1,502.64
36	PCC ratio 1:3:6(M-10 Grade) For DSS Area	Cu. Mtr	1.745	5247.48	9,156.85
37	Supplying , Laying , spreading and compacting with hand roller stone aggregate of specified sizes: 63 mm to 45 mm size stone aggregate.	Cu. Mtr	1.745	3000.00	5,235.00
38	Fixing of HT complete Stay Set with all accessories and civil works	No.	2	2301.53	4,603.06
39	Fixing of LT complete Stay Set with all accessories and civil works	No.	1	2301.53	2,301.53
40	Construction of Earthing chamber incuding earthing pipe and civil works	No.	7	3784.73	26,493.11
41	LTDB Plinth	No.	1	11354.57	11,354.57
42	Laying of 110mm dia PE 80-PN8, HDPE pipe inside open trench.	Mtr.	20	195.00	3,900.00
43	Laying of 4 Cx95 mm2 LT XLPE Cable	Mtr.	55	47.87	2,632.85
44	Concreting ratio 1:1.5:3(M-20 Grade)-For PSC Pole	Cu.Mtr	0.375	6648.85	2,493.32
45	SITC of Aluminium Lugs suitable for 95 sq mm cable/conductor	No.	24	92.06	2,209.44
46	SITC of termination kit of 1.1kV 3.5C/4C 35-120 sqmm	No.	2	3840.00	7,680.00
47	SITC of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 50-95 sqmm	No	3	1380.00	4,140.00
	Earth work excavation of soil -Route Length				
48	Earth work excavation of soil	Cu. Mtr	2.1	716.03	1,503.66
49	Earth work excavation of hard rock	Cu. Mtr	0.9	1759.39	1,583.45
50	Back filling with excavated soil outside and above the trench	Cu. Mtr	3	220.00	660.00
51	Painting of Pole in Black & Yellow strips/Zebra	No.	2	283.34	566.68
52	GIS coordinate mapping, drawing preparation and submission of the same for DSS.	No.	1	1000.00	1,000.00
53	SITC of DCP Extinguisher (6KG)	No	1	4500.00	4,500.00
54	SITC Display Board/Sign Board	No	1	3640.00	3,640.00
	Fencing				
55	GI chain link fencing for DSS	RM	18	4167.57	75,016.26
	Total Rs				1,78,156.39
	Sub total Rs				6,07,009.25
III	LT Line using 4C×50 mm² (P)+1CX50 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.17 Km				
1	9 Mtr Long 300 KG PSC Pole	No	7	3630.00	25,410.00
2	GI flat for danger Plate and anticlimbing Device	Kg	12	78.00	936.00
3	LT Stay set Complete	Set	3	736.00	2,208.00
4	7/12 SWG GI stay wire, Grade -2	Kg	36	79.00	2,844.00
5	LT stay Clamp (1.40Kg/pair)	Pair	3	350.00	1,050.00
6	LT Stay insulator	No	3	19.00	57.00
7	LT Accessories with Eye Hook and Clamp				
8	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	9	240.00	2,160.00
9	EYE hook for XLPE Aerial bunched Cable	No	6	75.00	450.00
10	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	6	217.00	1,302.00
11	Suspension Clamp with EYE hook for ABC	No	3	193.00	579.00
12	4C×50 mm² (P)+1CX50 mm²(M)+1CX16 mm²(Street Light)(Street Light) (LT AB Cable)	Mtr	178.5	228.00	40,698.00
13	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	2	113.08	226.16

14	Pipe Earthing (each 5th pole to earth)	No	1	1300.00	1,300.00
15	Coil Earthing	No	6	164	984.00
16	Danger plate (LT)	No	7	180	1260.00
17	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	21	74.00	1,554.00
18	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	3.5	74.00	259.00
A	TOTAL MATERIAL COST				83,277.16
B	Stock, Storage & Insurance @ 3% of A				2,498.31
C	Sub Total (C=A+B)				85,775.47
D	Contingency @3% of C				2,573.26
E	T & P 2% of C				1,562.48
F	Transportation @ 7.5% of C				6,433.16
G	Erection Charges for PSC Pole @ 20%				5,234.46
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				5,195.18
J	Sub Total Rs.				1,06,774.02
Civil and Services Works (As per Technical Specification)					
19	Fixing of complete Stay Set with all accessories and civil works	No	3	2301.53	6904.59
20	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.Mtr	2.62	6648.85	17,453.16
21	Construction of Earthing chamber incuding earthing pipe and civil works	No	1	3784.73	3,784.73
22	Painting of Pole in Black & Yellow strips/Zebra	No	7	283.84	1986.88
23	GIS Mapping, indexing/numbering of Poles	No	7.00	836.00	5,852.00
24	GIS coordinate mapping, drawing preparation and submission of the same for new /existing Line	Km	0.17	10470.00	1,779.90
K	Total Services Cost				37,761.26
	Total Material + Services Cost (J+K)				1,44,535.28
	Sub Total Rs.				8,17,898.39
	Cess @ 1%				8,178.98
	Total Estimated Cost				8,26,077.37
	Total Estimated Cost in Figures				8,26,077.00
EXCESS ☐	LESS ☐ (Please Tick)	In Figure _____ % In word _____ %			
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/-
Dy. Manager (Elect)

Sd/-
Project Manager (Elect)