

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 TO CATER POWER SUPPLY TO 6-F+8-F TYPE STAFF QUARTERS AT ABHINABA BIDANASI FIRE STATION IN THE DISTRICT OF KATAKA.

BID REF NO :- 51/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	WPB (GI) Pole 160x152 11 Mtr. Long for SP	No	1	28,835.00	28,835.00
2	GI Channel, angle & flat of different size	Kg	67.344	78.00	5,252.83
3	Danger Plate	No.	1	180.00	180.00
4	GI Barbed wire for anticlimbing Device	Kg	3	74.00	222.00
5	11 KV pin insulator polymer	No.	4	140.00	560.00
6	Non metallic Ties 11KV 55sqmm CVRD AAAC	No.	4	110.00	440.00
7	IPC for 55 sq. mm conductor	No.	6	550.00	3,300.00
8	Spike GI(2Nos of Sprike per Set in each pole)	Set	2	220.00	440.00
9	Dead End assembly with accessories for 55 sq.mm. AAAC	Set	6	2,500.00	15,000.00
10	Disc insulator (B&S) 70 KN polymer	No.	6	150.00	900.00
11	Earthing of Support (Coil Type)	No.	1	164.00	164.00
12	H.T. Stay clamp	No.	2	260.00	520.00
13	H.T. Stay set (Complete)	Set	2	1,434.00	2,868.00
14	H.T. Stay Insulator Type-C	No.	2	87.00	174.00
15	7/10 SWG Stay Wire	KG	30	77.00	2,310.00
16	GI Nut , Bolt & Washer of different sizes	KG	10	74.00	740.00
A	A. Sub total				61,905.83
B	B. Stock, Storage & Insurance @ 3% of A				1,857.17
C	Sub Total (C=A+B)				63,763.01
D	T&P @ 2% of C				1,154.29
E	Contingency @ 3% of C				1,912.89
F	Transportation @ 7.5% of C				4,782.23
G	Erection Charges @ 5% on poles				1,485.00
H	Erection Charges @ 10%				2,801.48
I	Total				75,898.89
17	Fixing of complete Stay Set with all accessories and civil works	No	2	2,301.53	4,603.06
18	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.mtr	0.45	6,648.85	2,991.98
19	Couping of Pole @ 1:1.5:3(M-20 Grade)	Cu.mtr	0.1125	6,648.85	748.00
20	GIS Mapping, indexing/numbering of Poles	No.	1	836.00	836.00
21	Painting of Pole in Black & Yellow strips/Zebra	No.	1	283.34	283.34
	Total Material + Services Cost				85,361.27
B	11 KV Line				
1	WPB (GI) Pole 160x152 11 Mtr Long for SP	No.	1	28,835.00	28,835.00
2	11 KV V cross Arm	No.	1	851.00	851.00
3	Top Bracket 100x50x6 mm GI Channel	No.	1	81.00	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 anticlimbing device	Kg	3	74.00	222.00
7	11 KV pin insulator polymer	No.	3	140.00	420.00
8	Non metallic Ties 11KV 55sqmm CVRD AAAC	No.	3	110.00	330.00
9	Spike GI(2Nos of Sprike per Set in each pole)	Set	2	220.00	440.00
10	Earthing of Support (Coil Type)	No.	1	164.00	164.00
11	GI, Nut, Bolt Washer of different size	Kg	1.37	74.00	101.38
12	80 Sqmm AAAC XLPE Covered Conductor	Mtr	309	125.00	38,625.00
A	A. Sub total				70,369.50
B	B. Stock, Storage & Insurance @ 3% of A				2,111.09
C	Sub Total (C=A+B)				72,480.59
D	T&P @ 2% of C				1,449.62
E	Contingency @ 3% of C				2,174.42
F	Transportation @ 7.5% of C				5,436.04
G	Erection Charges @ 5% on poles				1,485.00
H	Erection Charges @ 10%				4,278.07
I	Total				87,303.73
13	Concreting of pole @1;1;5;3 (M20 Grade)	No.	0.45	6,648.85	2,991.98
14	Couping of Pole @ 1:1.5:3(M-20 Grade)	M3	0.1125	6,648.85	748.00
15	GIS Mapping, indexing/numbering of Poles	Ea	1	836.00	836.00
16	Painting of Pole in Black & Yellow strips/Zebra	Ea	1	283.34	283.34
17	GIS Coordinate mapping drawing preparation and submission of the same for New Existing line	CKM	0.1	10,470.00	1,047.00
	Total Material + Services Cost				93,210.05
II	INSTALLATION OF 100 KVA S/S.				
1	WPB (GI) Pole 160x152 11 Mtr. Long for DP	No.	2	28,835.00	57,670.00
2	GI Channel, angle & flat of different size	KG	471.06	78.00	36,742.68
3	9 Mtr. long PSC Pole	No.	1	3,630.00	3,630.00
4	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	No.	3	240.00	720.00
5	EYE hook for XLPE Aerial bunched Cable	No.	3	75.00	225.00
6	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No.	3	217.00	651.00
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	100 KVA , 11/ 0.4 KV (AL) Transformer, BIS Energy Loss level II, Ammendment-4	No.	1	1,89,025.00	1,89,025.00
12	LT Distribution Box for 100 KVA S/S	No.	1	31,086.00	31,086.00
13	55 SQ.MM. AAAC XLPE Covered Conductor	Mtr.	50	101.00	5,050.00
14	4 Cx 150 mm2 LT XLPE Cable(Armoured) - FOR 100 KVA Trf.	Mtr.	15	850.00	12,750.00
15	1.1kV, 4Core, 150 sqmm, XLPE insulation armoured - Aluminium UG cable from LTDB to Pole	Mtr.	40	850.00	34,000.00
16	HDPE pipe of 110 mm diameter, PE 80- PN8	Mtr.	20	261.00	5,220.00
17	AB Switch(11KV,200A.3pole,50Hz)	SET	1	9,080.00	9,080.00
18	DO.Fuse(11KV.200A.3Pole)	SET	1	3,214.00	3,214.00
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	1,236.00
24	Lightning Arrester(12KV,10KA) Station Class 2	No.	3	1,960.00	5,880.00
25	DMC Insulator for LA (70/10)	No.	8	113.50	908.00
26	HT stay set complete	SET	2	1,434.00	2,868.00
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	2,310.00
30	Gi Pipe Earthing 40mm. 3 Mtr. Long	EA	7	1,300.00	9,100.00
31	GI Nuts & Bolts of Assorted size	KG	25	74.00	1,850.00
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				4,17,699.68
B	B. Stock, Storage & Insurance @ 3% of A				12,530.99

C	Sub Total (C=A+B)				4,30,230.67
D	T&P @ 2% of C				7,185.00
E	Contingency @ 3% of C				12,906.92
F	Transportation @ 7.5% of C				32,267.30
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				12,704.79
H	Erection Charges @ 20% on PSC Poles				747.78
I	Erection Charges @ 10% for other materials				10,133.11
J	Total				5,06,175.57
34	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.Mtr	0.9	6,648.85	5,983.97
35	Couping of Pole @ 1:1.5:3(M-20 Grade)	Cu. Mtr	0.226	6,648.85	1,502.64
36	PCC ratio 1:3:6(M-10 Grade) For DSS Area	Cu. Mtr	3.1985	5,247.48	16,784.06
37	Supplying , Laying , spreading and compacting with hand roller stone aggregate of specified sizes: 63 mm to 45 mm size stone aggregate.	Cu. Mtr	3.1985	3,000.00	9,595.50
38	Fixing of HT complete Stay Set with all accessories and civil works	No.	2	2,301.53	4,603.06
39	Fixing of LT complete Stay Set with all accessories and civil works	No.	1	2,301.53	2,301.53
40	Construction of Earthing chamber incuding earthing pipe and civil works	No.	7	3,784.73	26,493.11
41	LTDB Plinth	No.	1	11,354.57	11,354.57
42	DTR Plinth	No.	1	70,988.27	70,988.27
43	Laying of 110 mm dia PE 80-PN8, HDPE pipe inside open trench.	Mtr.	20	195.00	3,900.00
44	Laying of 4 Cx150 mm2 LT XLPE Cable	Mtr.	55	60.00	3,300.00
45	Concreting ratio 1:1.5:3(M-20 Grade)-For PSC Pole	Cu.Mtr	0.375	6,648.85	2,493.32
46	SITC of Aluminium Lugs suitable for 150 sq mm cable/conductor	No.	24	156.50	3,756.00
47	SITC of termination kit of 1.1kV 3.5C/4C 150-240 sqmm	No.	2	4,920.00	9,840.00
48	SITC of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 120-185 sqmm	No	3	2,230.00	6,690.00
	Earth work excavation of soil -Route Length				
49	Earth work excavation of soil	Cu. Mtr	2.1	716.03	1,503.66
50	Earth work excavation of hard rock	Cu. Mtr	0.9	1,759.39	1,583.45
51	Back filling with excavated soil outside and above the trench	Cu. Mtr	3	220.00	660.00
52	Painting of Pole in Black & Yellow strips/Zebra	No.	2	283.34	566.68
53	GIS coordinate mapping, drawing preparation and submission of the same for DSS.	No.	1	1,000.00	1,000.00
54	SITC of DCP Extinguisher (6KG)	No	1	4,500.00	4,500.00
55	SITC Display Board/Sign Board	No	1	3,640.00	3,640.00
	Fencing				
56	GI chain link fencing for DSS	RM	25	4,167.57	1,04,189.25
	Total Rs				2,97,229.07
	Sub total Rs				8,03,404.64
III	LT Line using 4C×95 mm² (P)+1CX95 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.35 Km				
1	9 Mtr Long 300 KG PSC Pole	No	15	3,630.00	54,450.00
2	GI flat for danger Plate and anticlimbing Device	Kg	19	78.00	1,518.66
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
	LT Accessories with Eye Hook and Clamp				

7	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	14	240.00	3,360.00
8	EYE hook for XLPE Aerial bunched Cable	No	6	75.00	450.00
9	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	6	217.00	1,302.00
10	Suspension Clamp with EYE hook for ABC	No	8	193.00	1,544.00
11	4C×95 mm² (P)+1CX95 mm²(M)+1CX16 mm²(Street Light)(Street Light) (LT AB Cable)	Mtr	367.5	422.00	1,55,085.00
12	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	6	113.08	678.48
13	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	2	1,300.00	2,600.00
14	Coil Earthing	No	9	164.00	1,476.00
15	Danger plate (LT)	No	11	180.00	1,980.00
16	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	33	74.00	2,442.00
17	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	5.5	74.00	407.00
A	TOTAL MATERIAL COST				2,33,452.14
B	Stock, Storage & Insurance @ 3% of A				7,003.56
C	Sub Total (C=A+B)				2,40,455.70
D	Contingency @3% of C				7,213.67
E	T & P 2% of C				4,628.68
F	Transportation @ 7.5% of C				18,034.18
G	Erection Charges for PSC Pole @ 20%				11,216.70
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				17,535.04
J	Sub Total Rs.				2,99,083.97
Civil and Services Works (As per Technical Specification)					
18	Fixing of complete Stay Set with all accessories and civil works	No	3	2,301.53	6,904.59
19	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.Mtr	5.63	6,648.85	37,399.78
20	Construction of Earthing chamber incuding earthing pipe and civil works	No	2	3,784.73	7,569.46
21	Painting of Pole in Black & Yellow strips/Zebra	No	11	283.84	3,122.24
22	GIS Mapping, indexing/numbering of Poles	No	11.00	836.00	9,196.00
23	GIS Coordinate mapping drawing preparation and subnission of the same for New Existing line	CKM	0.35	10,470.00	3,664.50
K	Total Services Cost				67,856.57
	Total Material + Services Cost (J+K)				3,66,940.54
IV	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING.				
1	GI Channel, angle & flat of different size	Kg	115.247	78.00	8,989.27
2	No-10 GI wire for lacing	Kg	3.275	78.00	255.45
3	No-8 GI wire for guard wire	Kg	15.36	78.00	1,198.08
4	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1,300.00	2,600.00
A	TOTAL MATERIAL COST				13,042.80
B	Stock, Storage & Insurance @ 3% of A				391.28
C	Sub Total (C=A+B)				13,434.08
D	Contingency @3% of C				403.02
E	T & P 2% of C				215.12
F	Transportation @ 7.5% of C				1,007.56
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,075.61
J	Sub Total Rs.				16,135.39

7	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	3,784.73	7,569.46
	Total Rs.				23,704.85
IV	Dismantling				
1	Dismantling of 9/8 Mtr PCC/Joist Pole	No.	1	950.00	950.00
2	Dismantling of existing 11/0.4KV. Three Phase Distribution Transformer 25 KVA including removal of HT/LT leads, earth connections and unloading by crane if required.	No.	1	1,534.35	1,534.35
3	Dismantling of ACSR/AAA 80/100 mm2 from overhead line	M	90	9.21	828.90
	TOTAL MATERIAL COST				3,313.25
	Sub Total Rs.				13,75,934.61
	Cess @ 1%				13,759.35
	Total Estimated Cost				13,89,693.95
	Total Estimated Cost in Figures				13,89,694.00
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)