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 8-F TYPE STAFF QUARTERS AT KANIHA FIRE STATION IN THE DISTRICT OF ANUGOLA.

BID REF NO :- 47/PM/ELECT/OPHWC/2026-27

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	**11 KV LINE**				
A	**11 KV CUT POINT WITH 90 DEGREE ANGLE**				
1	WPB (GI) Pole 160x152 11 Mtr. Long for SP	No	1	28835.00	28,835.00
2	GI Channel, angle & flat of different size	Kg	67.344	78	5,252.83
3	Danger Plate	No.	1	180	180.00
4	GI Barbed wire for anticlimbing Device	Kg	3	74	222.00
5	11 KV pin insulator polymer	No.	4	140	560.00
6	Non metalic Ties 11KV 55sqmm CVRD AAAC	No.	4	110	440.00
7	IPC for 55 sq. mm conductor	No.	6	550	3,300.00
8	Spike GI(2Nos of Sprike per Set in each pole)	Set	2	220	440.00
9	Dead End assembly with accessories for 55 sq.mm. AAAC	Set	6	2500	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	520.00
13	H.T. Stay set (Complete)	Set	2	1434	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	**Contigency @ 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	2301.53	4,603.06
18	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.mtr	0.45	6648.85	2,991.98
19	Couping of Pole @ 1:1.5:3(M-20 Grade)	Cu.mtr	0.1125	6648.85	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	28835.00	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 metalic 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	55 Sqmm AAAC XLPE Covered Conductor	Mtr	247.2	101.00	24,967.20
A				**A. Sub total**	**56,711.70**
B				**B. Stock, Storage & Insurance @ 3% of A**	**1,701.35**
C				**Sub Total (C=A+B)**	**58,413.05**
D				**T&P @ 2% of C**	**1,168.26**
E				**Contigency @ 3% of C**	**1,752.39**
F				**Transportation @ 7.5% of C**	**4,380.98**
G				**Erection Charges @ 5% on poles**	**1,485.00**
H				**Erection Charges @ 10%**	**2,871.30**
I				**Total**	**70,070.98**
13	Concreting of pole @1;1;5;3 (M20 Grade)	No.	**0.45**	**6648.85**	**2,991.98**
14	Couping of Pole @ 1:1.5:3(M-20 Grade)	M3	**0.1125**	**6648.85**	**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 subnission of the same for New Existing line	CKM	**0.08**	**10470.00**	**837.60**
				Total Material + Services Cost	**75,767.90**
II	**INSTALLATION OF 63 KVA S/S.**				
1	WPB (GI) Pole 160x152 11 Mtr. Long for DP	No.	2	28835.00	57,670.00
2	GI Channel, angle & flat of different size	KG	533.146	78.00	41,585.39
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	1,41,309.00
12	LT Distribution Box for 63 KVA S/S	No.	1	26990.00	26,990.00
13	55 SQ.MM. AAAC XLPE Covered Conductor	Mtr.	50	101.00	5,050.00
14	4 Cx 95 mm2 LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr.	15	533.00	7,995.00
15	1.1kV, 4Core, 95sqmm, XLPE insulation armoured - Aluminium UG cable from LTDB to Pole	Mtr.	40	533.00	21,320.00
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	9080.00	9,080.00
18	DO.Fuse(11KV.200A.3Pole)	SET	1	3214.00	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	1960.00	5,880.00
25	DMC Insulator for LA (70/10)	No.	8	113.50	908.00
26	HT stay set complete	SET	2	1434.00	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	1300.00	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**				**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	**Contigency @ 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)- -0.3 Km**				
1	9 Mtr Long 300 KG PSC Pole	No	4	3630.00	14,520.00
2	GI flat for danger Plate and anticlimbing Device	Kg	7	78.00	552.24

3	LT Stay set Complete	Set	2	736.00	1,472.00
4	7/12 SWG GI stay wire, Grade -2	Kg	24	79.00	1,896.00
5	LT stay Clamp (1.40Kg/pair)	Pair	2	350.00	700.00
6	LT Stay insulator	No	2	19.00	38.00
	LT Accessories with Eye Hook and Clamp				
7	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	10	240.00	2,400.00
8	EYE hook for XLPE Aerial bunched Cable	No	4	75.00	300.00
9	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	4	217.00	868.00
10	Suspension Clamp with EYE hook for ABC	No	6	193.00	1,158.00
11	4C×50 mm² (P)+1CX50 mm²(M)+1CX16 mm²(Street Light)(Street Light) (LT AB Cable)	Mtr	315	228.00	71,820.00
12	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	2	113.08	226.16
13	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	1	1300.00	1,300.00
14	Coil Earthing	No	3	164	492.00
15	Danger plate (LT)	No	4	180	720.00
16	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	12	74.00	888.00
17	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	2	74.00	148.00
A				**TOTAL MATERIAL COST**	**99,498.40**
B				**Stock, Storage & Insurance @ 3% of A**	2,984.95
C				**Sub Total (C=A+B)**	**1,02,483.35**
D				**Contingency @3% of C**	**3,074.50**
E				**T & P 2% of C**	**1,938.31**
F				**Transportation @ 7.5% of C**	**7,686.25**
G				**Erection Charges for PSC Pole @ 20%**	2,991.12
H				**Erection Charges of DTR and Joist Poles @ 5%**	
I				**Erection Charges of other @ 10%**	8,195.96
J				**Sub Total Rs.**	**1,26,369.49**
	Civil and Services Works (As per Technical Specification)				
18	Fixing of complete Stay Set with all accessories and civil works	No	2	2301.53	4,603.06
19	Concreting of Pole @ 1:1.5:3(M-20 Grade)	Cu.Mtr	1.50	6648.85	9,973.28
20	Construction of Earthing chamber incuding earthing pipe and civil works	No	1	3784.73	3,784.73
21	Painting of Pole in Black & Yellow strips/Zebra	No	4	283.84	1,135.36
22	GIS Mapping, indexing/numbering of Poles	No	4.00	836.00	3,344.00
23	GIS Coordinate mapping drawing preparation and subnission of the same for New Existing line	CKM	**0.3**	**10470.00**	**3,141.00**
K				**Total Services Cost**	**25,981.43**
				Total Material + Services Cost (J+K)	**1,52,350.92**
IV	**Dismantling**				
1	Dismantling of 09/11 mtr. Joist /WPB Pole 116x100mm	Ea	2	1380.92	2,761.84
2	Dismantling of 9/8 Mtr PCC/Joist Pole	Ea	1	950.00	950.00
3	Dismantling of 11 KV Pin Insulator with Pin	EA	6	8.29	49.74
4	Dismantling of 11 KV Disc Insulator with Hardware.	EA	3	8.29	24.87
5	Dismantling/Removal of MS Channel from Double Pole Structure /Pole	Ea	150	8.10	1,215.00
6	Dismantling of existing 11/0.4Kv,33/0.4 KV. Three Phase Distribution Transformer 25 KVA including removal of HT/LT leads, earth connections and unloading by crane if required.	Ea	1	1534.35	1,534.35
7	Dismantling of ACSR/AAA 34/55mm2 from overhead line	M	240	7.00	1,680.00
8	Dismantling of varous size of LT AB cable	M	180	23.02	4,143.60
9	Dismantling of 11 Kv/33KV Go/AB Switch/isolator/DD Fuse/Fuse set.	Set	1	1200.00	1,200.00
				TOTAL MATERIAL COST	**13,559.40**

	Sub Total Rs.				**9,34,048.74**
	Cess @ 1%				**9,340.49**
	Total Estimated Cost				**9,43,389.23**
	Total Estimated Cost in Figures				**9,43,389.00**
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)