

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
Ph: 0674-2541545, 2542921, Fax: 0674-2541543
E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com

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 FOREST REST HOUSE AT MARJAKUD, BOUDH IN THE DISTRICT OF BOUDH.

BID REF NO.-20/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	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB (GI) Pole 160 x152 (11 Mtr. Long 30.4)	No	6	27310.20	163861.20
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	275.33	111.00	30561.41
3	Straight Cross Arm Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	kg	70.206	106.50	7476.94
4	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	42.204	111.00	4684.64
5	Danger plate	No	6	118.40	710.40
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	34.46	111.00	3825.06
7	11 KV , 5 KN Pin insulator polymer	Set	6	284.00	1704.00
8	Non metallic ties -11 KV For covered conductor	No	18	110.00	1980.00
9	IPC for 11 KV 80 sq. mm AAAC(For covered conductor)	No	36	495.00	17820.00
10	GI barbed wire/Anticlimbing device spike type	No	12	220.00	2640.00
11	Tension assembly wedge type with Anchoring	Set	36	880.00	31680.00
12	Disc insulator (B&S) 70 KN polymer	No.	36	1702.00	61272.00
13	Earthing of Support (Coil Type)	No	6	245.68	1474.08
14	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.572	111.00	174.49

15	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	44.6	115.44	5148.39
16	H.T. Stay clamp,	EA	12	185.00	2220.00
17	H.T. Stay set (Complete)	SET	12	1554.00	18648.00
18	H.T. Stay Insulator Type-C	EA	12	74.00	888.00
19	7/10 SWG Stay Wire 15kg /stay	KG	120	111.00	13320.00
20	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	6	212.77	1276.62
21	Black paint (GIS Numbering & Zebra stripping)	Ltr	3	325.60	976.80
A	A. Sub total				372,342.04
B	B. Stock, Storage & Insurance @ 3% of A				11,170.26
C	Sub Total (C=A+B)				383,512.30
D	T&P @ 2% of C				7,670.25
E	Contingency @ 3% of C				11,505.37
F	Transportation @ 7.5% of C				28,763.42
	Erection Charges @ 5% on poles				8,438.85
G	Erection Charges @ 10%				21,473.53
H	Total				461,363.71
22	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm	No.	6	2991.98	17951.88
23	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	6	748.00	4488.00
24	Stay concreting in Ratio 1:2:4	No	12	1300.00	15,600.00
	Total Material + Services Cost (J+K)				499,403.59
B	11 KV PIN POINT WITH WPB POLE				
1	WPB (GI) Pole 160 x152 (11 Mtr. Long 30.4)	No	13	27310.20	355,032.60
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	13	1198.80	15584.40
3	GI Back Clamp for 11 KV Cross Arm	EA	13	118.40	1539.20
4	Top Bracket 100x50x6 mm GI Channel	Kg	13	251.60	3270.80
5	Danger plate	No	13	118.40	1539.20
6	Back Clamp for danger plate 25x3 mm flat	Kg	3.912	111.00	434.23
7	11 KV 5 pin insulator polymer	Set	39	296.00	11544.00
8	Non metallic ties -11 KV For covered conductor	No	39	110.00	4290.00
9	GI barbed wire/Anticlimbing device spike type	No	26	220.00	5720.00
10	Earthing of Support (Coil Type)	No	13	245.68	3193.84
11	No-8 GI wire (0.192 Kg/Mtr.)for main string	No	3.408	111.00	378.29
12	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	18.78	115.44	2168.42
13	80 sq. mm XLPE Insulated covered AAAC	Mtr.	2101	124.82	262271.78
14	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	13	212.77	2766.01
15	Black paint (GIS Numbering & Zebra stripping)	Ltr	6.5	325.60	2116.40
A	A. Sub total				671,849.18
B	B. Stock, Storage & Insurance @ 3% of A				20,155.48
C	Sub Total (C=A+B)				692,004.65

D	T&P @ 2% of C				13,840.09
E	Contingency @ 3% of C				20,760.14
F	Transportation @ 7.5% of C				51,900.35
	Erection Charges @ 5% on poles				18,284.18
G	Erection Charges @ 10%				32,632.11
H	Total				829,421.53
16	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm	No.	13	2991.98	38895.74
17	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	13	748.00	9724.00
18	GPS Mapping for New 11 KV Line	Km	0.68	10470.00	7,119.60
	Total Material + Services Cost (J+K)				885,160.87
C	Construction of 3 Ph 5 W LT AB Cable (3x50+1x35+1x15 sq.mm.)				
1	1.1 KV LT AB cable (3x50+1x35+1x15)	Mtr.	250	207.2	51,800.00
2	9 Mtr. Long 300 KG PSC Pole	No	8	4440.00	35520.00
3	Base plate for PSC Pole	No	8	361.34	2890.72
4	LT Stay Set (Complete)	Set	1	769.60	769.60
5	7/12 SWG Stay Wire	Kg	4	111.00	444.00
6	L.T Stay Clamp	No	1	162.80	162.80
7	L.T Stay Insulator	No	1	44.40	44.40
8	Pole Clamp For Eye hook for XLPE AB Cable.	No	9	296.00	2664.00
9	Eye Hook for XLPE Aerial cable	No	4	88.80	355.20
10	Dead End Clamp for LT ABC 50-70 mm	No	4	96.20	384.80
11	Suspension Clamp with Eye Hook ABC 50-70 Sq.mm	No	5	482.80	2414.00
12	Cable 1.1 KV AI 4Cx60 sq.mm. Armoured.	Mtr.	2	311.02	622.04
13	Cap Cable End for ABC 50 sq.mm.	Ea	12	8.27	99.24
14	Dist Box LT Polycarbonate 10 way.	Ea	1	920.34	920.34
15	IPC Type-B main 16 to 150 sq.mm. & Tap-4	Ea	4	61.31	245.24
16	IPC Type-B main 25 to 150 sq.mm. & Tap-25	Ea	3	118.40	355.20
17	Buckles for steel Strap	Ea	0.05	705.00	35.25
18	Steel Strap Size 20mmx50 m Long	Rol	0.05	1584.03	79.20
19	Earthing for Support (Coil Type)	Ea	8	245.68	1965.44
20	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2.098	111.00	232.88
21	Board Danger 400/440 Volt	No	8	118.40	947.20
22	Back Clamp for Danger Plate 25x3 mm flat.	Kg	2.408	111.00	267.29
23	GI Nut , Bolt & Washer of different sizes	Kg	4	115.44	461.76
24	Yellow colour paint for Background	Ltr	8	212.77	1702.16
25	Black colour paint for numbering	Ltr	4	325.60	1302.40
26	Sundries(Binding wire, Tree Triming etc.)	Ls	1	500.00	500.00
A	A. Sub total				107,185.16
B	B. Stock, Storage & Insurance @ 3% of A				3,215.55
C	Sub Total (C=A+B)				110,400.71

D	T&P @ 2% of C				2,208.01
E	Contingency @ 3% of C				3,312.02
F	Transportation @ 7.5% of C				8,280.05
	Erection Charges @ 20% on poles				7,317.12
G	Erection Charges @ 10%				7,381.49
H	Total				138,899.41
27	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)	No.	8	2493.00	19944.00
28	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	No.	8	748.00	5984.00
29	Stay concreting in Ratio 1:2:4	No	1	1300.00	1300.00
30	GPS Mapping for New Line	Km	0.24	10470.00	2512.80
	Total Material + Services Cost (J+K)				168,640.21
D	Installation of 100 KVA 11/0.4KV sub station - 1 No. -				
1	100 KVA , 11/0.4 KV(AL) Transformer BIS Energy Level-II	No	1	189025.33	189,025.33
2	WPB GI Pole160X160 (11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	27,310.20	54,620.40
3	9 Mtr Long 300 Kg PSC Pole	No	1	4,440.00	4,440.00
4	Base plate for PSC Pole	No	1	289.48	289.48
5	Pole clamp for Eye hook for XLPE ABC	No	1	296.00	296.00
6	Eye clamp for XLPE Aorial bunched Cable	No	1	88.80	88.80
7	Dead End Clamp Ins MSG XLPE ABC25-35 sq.mm.		1	96.20	96.20
8	Top Channal 100x50x5mm	Kg	53.536	111.00	5,942.50
9	AB Sw. Mounting Channel75x40x4.8mm GI	kg	39.98	111.00	4438.22
10	HG Fuse. Mounting Channel75x40x4.8mm GI	kg	39.98	111.00	4438.22
11	AB Sw. OP Pipe channel Supp 75x40x4.8mm	Kg	4.463	111.00	495.39
12	AB Sw. Bottom Supp. channel 75x40x4.8mm	Kg	4.712	111.00	523.03
13	Braking Supp. Channel-op Pipe 50x8mm	Kg	1.549	111.00	171.94
14	Supp Channel-TPMO Op Rod 75x40x4.8mm	Kg	5.541	111.00	615.05
15	LTDB Supporting channel 75x40x4.8 mm	Kg	21.42	111.00	2377.62
16	Fish Plate 50x8 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	5.275	111.00	585.53
17	Back Clamp for LTDB of length 0.801 mtr.	Kg	5.03	111.00	558.33
18	Danger plate	Ea	3	118.40	355.20
19	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.903	111.00	100.23
20	GI barbed wire/Anticlimbing device	kg	6	118.40	710.40
21	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.407	111.00	267.18

22	11 KV LA (9 KV,10 KA, DH Class	No	3	1260.00	3780.00
23	11 KV AB switch (200 Amp, 3 pole)	Set	1	10878.00	10878.00
24	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	9057.60	9057.60
25	LT Distrubution Box with MCCB, Aluminim Busbar for 100 KVA S/S.	No	1	32399.07	32399.07
26	11 KV 5 KN Pin Insulator polymer type	No	3	296.00	888.00
27	Earthing of support Coil Type	No	3	245.68	737.04
28	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.788	111.00	87.47
29	HT Stay Clamp(1.95 K.g/Pair)	Pair	4	185.00	740.00
30	HT Stay Set (Complete)	pa	4	1554.00	6216.00
31	HT Stay Insulator	No.	4	74.00	296.00
32	7/10 SWG Stay Wire	KG	40	111.00	4440.00
33	1.1 KV Al 1Cx 95 sq. mm Un-armoured Cable	Mtr	40	162.12	6484.80
34	Gland for 1.1 KV AL 1Cx95 sq. mm	No.	4	257.60	1030.40
35	Lug AL crimping 95 sq. mm XLPE single Hole	No	4	44.40	177.60
36	11 KV Disc insulator polymer type 45 KN	No	3	1272.80	3818.40
37	11 KV H/W fitting polymer type	Pair	3	192.40	577.20
38	Clamp PG Conductor Rabbit ACSR 55 sq. mm	No.	3	710.40	2131.20
39	55 SQ. mm ACSR Conductor PVC Insulated	Mtr.	20	41.50	830.00
40	GI Nut, Bolt & washers of different sizes	Kg	25	115.44	2886.00
41	GI Pipe for earthing 40mm dia 3mtr long	No	7	1554.00	10878.00
42	GI Flat 25x6 mm	Kg	78.52	111.00	8716.05
43	Yellow colour paint for Background	Ltr	3	212.77	638.31
44	Black colour paint for numbering	Ltr	1.5	325.60	488.40
45	Sundries	Set	1	5000.00	5000.00
A	A. Sub total				383,610.60
B	B. Stock, Storage & Insurance @ 3% of A				11,508.32
C	Sub Total (C=A+B)				395,118.91
D	T&P @ 2% of C				7,902.38
E	Contingency @ 3% of C				11,853.57
F	Transportation @ 7.5% of C				29,633.92
G	Erection Charges @ 5% on WPB poles and Transformer				12,547.75
H	Erection Charges @ 20% on PSC Poles				914.64
I	Erection Charges @ 10%				12,838.60
J	Total				470,809.77
46	Concreting Ratio 1:1:5:3(500 mmx500mmx22 mm)	No.	2	2,991.98	5,983.96
47	Concreting Ratio 1:1:5:3(800 mmx500mmx15 mm)=0.1125 Cu. Mtr.	No.	1	2,493.32	2,493.32
48	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1 Cu. Mtr.	No.	3	748.00	2,244.00
49	Stay Concreting ratio 1:2:4	No.	4	1,300.00	5,200.00
50	Earth chamber pipe install & Bentionliep	No.	7	3,784.73	26,493.11
51	Construction if Transformer Plinth for 100 KVA	No	1	28,000.00	28,000.00
52	Brick Boundary wall Fencing with Gate	Mtr	12	7,300.08	87,600.96

53	GPS Mapping for New DSS	No	1	6,883.00	6,883.00
	Total Material + Services Cost (J+K)				635,708.12
	Sub Total Rs.				₹ 2,188,912.79
	Cess @ 1%				₹ 21,889.13
	Total Estimated Cost				₹ 2,210,801.91
	Total Estimated Cost in Figures				₹ 2,210,802.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (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)