

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 /www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO BUS STAND AT ARADI UNDER CHANDABALI BLOCK IN THE DISTRICT OF BHADRAK.****BID REF NO :- 02/PM/ELECT/OPHWC/2025-26****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.
SCOPE [A]	Construction of 3 ph 3W 11 KV Line				
1	150x150 mm 11 Mtr. Long RS Joist Pole(34.6 Kg/Mtr.)	No.	1	24739.00	24,739.00
2	11 K.V. V cross arm	No.	1	810.00	810.00
3	11 KV F clamp	No.	1	240.00	240.00
4	Back clamp for V cross arm	No.	1	80.00	80.00
5	11 KV Pin Insulator polymer	No.	5	200.00	1,000.00
6	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
7	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
8	HT Stay set complete	Set	1	1050.00	1,050.00
9	7/10 SWG Stay wire	Kg	10	75.00	750.00
10	HT Stay Insulator	No.	1	50.00	50.00
11	HT stay clamp	Pair	1	125.00	125.00
12	11 KV 1 Core 100 sq. mm XLPE insulated AAA Conductor (Unarmoured)	Km	0.216	90000.00	19,467.00
13	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	30	75.00	2,250.00
14	PG Clamp for 100 sq. mm Conductor	No	3	580.00	1,740.00
15	GI nut,bolt & washer	Kg	7	78.00	577.20
16	Earthing support coil type	No	1	166.00	166.00
17	Danger Plate	No	1	80.00	80.00

18	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
19	Sundries (Survey, Tree cutting, insulation Tape,small size nut bolt, clamp, Binding wire, sockets etc.	LS	1	3000.00	3,000.00
20	TOTAL MATERIAL COST				59,254.20
21	Escalation @6%for 2019-20				62,809.45
22	Escalation @6%for 2020-21				66,578.02
23	Escalation @6%for 2021-22				70,572.70
24	Escalation @6%for 2022-23				74,807.06
25	Escalation @6%for 2023-24				79,295.49
A	Escalation @6%for 2024-25				84,053.22
B	Stock, Storage & Insurance @ 3% of A				2,521.60
C	Sub Total (C=A+B)				86,574.81
D	Contingency @3% of C				2,597.24
E	T & P 2% of C				1,731.50
F	Transportation @ 7.5% of C				6,493.11
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				1,807.28
I	Erection Charges of other @ 10%				5,042.93
J	Sub Total				104,246.87
	Labour +Transportation charges	Ls	1	200.00	200.00
28	Material cost for Concreting of RS Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	1	2215.20	2,215.20
29	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)@6500	No	1	965.00	965.00
					3,180.20
	Total Rs.				107,627.07
SCOPE [B]	Construction of 500 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long RS Joist Pole(34.6 Kg/Mtr.)	No.	2	24739.00	49,478.00
2	11 KV Pin Insulator polymer	No.	3	200.00	600.00
3	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
4	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
5	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	107.072	75.00	8,030.40
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	92.368	75.00	6,927.60

7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	31.5	75.00	2,362.50
8	HT Stay set complete	Set	2	1050.00	2,100.00
9	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00
12	Fish Plate	No	4	75.00	300.00
13	55 Sq. mm Insulated Conductor	Km	0.018	75920.40	1,366.57
14	LT distribution Box with MCCB,Aluminium Bus bar of 6-bay with kit-kat fuse for 500 KVA Transformer	No.	2	97360.00	194,720.00
15	500 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	580000.00	580,000.00
16	11 KV 3 pole 400 A AB switch,50 Hz	Set	1	11850.00	11,850.00
17	11 KV 3 pole 400 A HG Fuse with PI	Set	1	11530.00	11,530.00
18	Lightning arrestor ,12 KV- 5 KA, station class	No	3	2250.00	6,750.00
19	PG Clamp for 100 sq. mm Conductor	No	3	580.00	1,740.00
20	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5,250.00
21	Earthing material	Ls	5	1890.00	9,450.00
22	25x6 mm GI flat for earthing	Kg	38	75.00	2,850.00
23	No.6/8 GI wire	Kg	8	75.00	600.00
24	GI nut,bolt & washer	Kg	20	78.00	1,560.00
25	3.5 core 300 sq. mm LT PVC cable(unarmoured)	Mtr	20	994.00	19,880.00
26	Danger Plate	No	2	80.00	160.00
27	All cable lug of different size	No	27	52.00	1,404.00
28	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
29	Sundries	LS	1	2000.00	2,000.00
30	TOTAL MATERIAL COST				926,049.07
31	Escalation @6%for 2019-20				981,612.01
32	Escalation @6%for 2020-21				1,040,508.73
33	Escalation @6%for 2021-22				1,102,939.26
34	Escalation @6%for 2022-23				1,169,115.61
35	Escalation @6%for 2023-24				1,239,262.55
A	Escalation @6%for 2024-25				1,313,618.30
B	Stock, Storage & Insurance @ 3% of A				39,408.55
C	Sub Total (C=A+B)				1,353,026.85
D	Contingency @3% of C				40,590.81

E	T & P 2% of C				27,060.54
F	Transportation @ 7.5% of C				101,477.01
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				45,985.72
I	Erection Charges of other @ 10%				43,331.25
J	Sub Total				1,611,472.18
37	Material cost for Concreting of RS Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	2	2215.20	4,430.40
38	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.00	1,930.00
39	Boundary wall ,sand filling and metal spreading,Fixing of 1 Mtr. Iron Grill gate etc.	No	1	70000.00	70,000.00
40	Plinth of 500 KVA S/S	No	1	35000.00	35,000.00
					1,722,832.58
SCOPE [C]	LT LINE				
1	9 mtr Long 150x150 mm RS Joist Pole(30.6 Kg/Mtr.)	No.	11	17901.00	196,911.00
2	LT XLPE AB cable(3x95+1x70+1x16) sq. mm	Km	0.315	243000.00	76,545.00
3	Dead end clamp	No.	4	65.00	260.00
4	Suspension clamp with I hook	No.	9	340.00	3,060.00
5	Pole clamp with I hook(ABC)	Pair	12	200.00	2,400.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	12	80.00	960.00
7	Neutral connector.Type-B-main 35 to 70 sq.mm & Tap-2.5 to 10 sq.mm service cable over by black weather resistant insulation cover	No	4	33.00	132.00
8	LT Stay set complete	Set	7	520.00	3,640.00
9	7/12 SWG GI stay wire	Kg	56	75.00	4,200.00
10	LT stay insulator	No.	7	110.00	770.00
11	LT stay clamp	No.	7	30.00	210.00
12	GI nut,bolt of assorted size	Kg	14.4	78.00	1,123.20
13	Earthing support coil type	No.	11	166.00	1,826.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	Ls	1	3000.00	3,000.00
15	Total Rs.				295,037.20
16	Escalation @6%for 2019-20				312,739.43
17	Escalation @6%for 2020-21				331,503.80
18	Escalation @6%for 2021-22				351,394.03

19	Escalation @6%for 2022-23				372,477.67
20	Escalation @6%for 2023-24				394,826.33
21	Escalation @6%for 2024-25				418,515.91
22	Cable 1.1 KV 3 Cx150 sq. mm XLPE Armoured cable	Mtr.	178	96.58	17,190.86
A	Total Rs.				435,706.76
B	Stock, Storage & Insurance @ 3% of A				13,071.20
C	Sub Total (C=A+B)				448,777.97
D	Contingency @3% of C				13,463.34
E	T & P 2% of C				8,975.56
F	Transportation @ 7.5% of C				33,658.35
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				14,385.08
I	Erection Charges of other @ 10%				15,837.53
J	Sub Total				535,097.82
23	Material cost for Concreting of 9 Mtr. RS Joist Pole 1.8 Mtrx0.45 Mtr.x0.45 Mtr=0.3645 cum(PCC 1:3:6)@6500	No	11	2369.25	26,061.75
24	Supply and laying of pipe HDPE 110 mm Dia PN8,PE-80 through HDD method .Making of trenches ducts with 110 mm dia HDPE pipe casing using HDD method,machine including supply of HDPI pipe as per IS 4984(as per TPNODL sepecification and estimate)	Mtr.	178	2352.67	418,775.26
25	BA will provide necessary tools, machinary,Manpower for laying of LT cable in trench or HDPE pipe/hum pipe.	Mtr.	178	100.17	17,830.26
26	Supply and Installation of cable Route marker including Transportation from site/tent,excavation,refilling, desposing of malba, flooding with water, ramming/compacting of foundation as per TPNODL specification and drawing.	No	2	857.63	1,715.26
27	BA will supply & install jointing kit Heat shrinkable ,approved make for jointing kit-Raychemor 3M for 1.1 KV XLPE cable 120 sq. mm -240 sq. mm XLPE 4 CORE CABLE. As per TPNODL.	No	4	5691.42	22,765.68

28	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)@6500	No	7	965.00	6,755.00
	Total Rs.				1,029,001.03
	Sub Total Rs.				2,859,460.68
	Cess @1%				28,594.61
	Total Estimated Cost				2,888,055.29
	Total Estimated Cost in Figures				2,888,055.00
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/-
D.M (Elect)**

**Sd/-
Project Manager (Elect.)**