

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 :- UP-GRADATION OF EXISTING SUB-STATION FROM 250 KVA TO 500 KVA
INSTALLED AT ADMINISTRATIVE BUILDING OF MSCB UNIVERSITY, BARIPADA IN THE
DISTRICT OF MAYURBHANJ.****BID REF NO :- 08/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]	LINE PART				
1	150x150 mm 11 Mtr. Long GI Joist Pole(SAIL/JINDAL/TATA MAKE)	No.	9	28545.00	256905.00
2	11 K.V. V cross arm	No.	7	810.00	5670.00
3	11 KV Pole top F clamp	No.	7	240.00	1680.00
4	Back clamp for V cross arm	No.	7	80.00	560.00
5	11 KV Pin Insulator polymer	No.	24	200.00	4800.00
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	2580.00
8	HT Stay set complete	Set	2	1050.00	2100.00
9	7/10 SWG Stay wire	Kg	20	75.00	1500.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00
12	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.649	90000.00	58401.00
13	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	51.52	75.00	3864.00
14	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	38.08	75.00	2856.00
15	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	25.2	75.00	1890.00
16	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	1	1050.00	1050.00
17	Earthing material	Ls	1	1890.00	1890.00
18	PG Clamp for 100 sq. mm AAA Conductor	No	3	580.00	1740.00
19	GI nut,bolt & washer	Kg	15	78.00	1170.00
20	Earthing support coil type	No	9	166.00	1494.00
21	Danger Plate	No	9	80.00	720.00

22	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	18	80.00	1440.00
23	Sundries	LS	1	3000.00	3000.00
24	TOTAL MATERIAL COST				356050.00
25	Escalation @6%for 2019-20				377413.00
26	Escalation @6%for 2020-21				400057.78
27	Escalation @6%for 2021-22				424061.25
28	Escalation @6%for 2022-23				449504.92
29	Escalation @6%for 2023-24				476475.22
A	Escalation @6%for 2024-25				505063.73
B	Stock, Storage & Insurance @ 3% of A				15151.91
C	Sub Total (C=A+B)				520215.64
D	Contingency @3% of C				15606.47
E	T & P 2% of C				10404.31
F	Transportation @ 7.5% of C				39016.17
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				18767.87
I	Erection Charges of other @ 10%				14485.83
J	Sub Total				618496.30
K	Transportation + Labour cost of Dismatled materials(as per Estimate)				3,212.00
L	Total Rs.				621,708.30
30	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	9	2215.19	19936.71
31	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	1930.00
	Total Rs.				643,575.01
SCOPE [B]	Construction of 500 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long GI joist Pole(SAIL/JINDAL/TATA MAKE)	No.	2	28545.00	57090.00
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	2580.00
5	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	103.04	75.00	7728.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	114.24	75.00	8568.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00	3780.00
8	HT Stay set complete	Set	2	1050.00	2100.00
9	7/10 SWG Stay wire	Kg	20	75.00	1500.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00

12	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.040	90000.00	3600.00
13	LT distribution Box with MCCB,Aluminium Bus bar of 6-bay with kit-kat fuse for 500 KVA Transformer	No.	1	97360.00	97360.00
14	500 KVA 11/0.4 KV(CU) Transformer(BIS Energy Level-II)	No.	1	580000.00	580000.00
15	11 KV 3 pole 200 A AB switch	Set	1	11850.00	11850.00
16	11 KV 3 pole 200 A HG Fuse with PI	Set	1	11530.00	11530.00
17	11 KV O/D VCB with indoor CR panel & 2 core CT (CT-600-300-150/1-1A, STC 25 KA/3 Sec, class ,0.5 & 5P10) without PT for Transformer protection)	No	1	330000.00	330000.00
18	11 KV Oil cooled 3 Ph PT (11000 V/110 V)Class 0.5/3P with O/P burden of 30 VA	No	3	18930.00	56790.00
19	4 core 2.5 sq. mm cu control cable(un-Armoured)2 XY	Mtr.	30	112.00	3360.00
20	10 core 2.5 sq. mm cu control cable(Un-Armoured)2 XY	Mtr.	30	258.00	7740.00
21	24 volt DC power pack	No	1	10000.00	10000.00
22	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	10	1050.00	10500.00
23	Earthing material	Ls	10	1890.00	18900.00
24	25x6 mm GI flat for body earthing	Kg	50	75.00	3750.00
25	50x6 mm GI flat for neutral earthing	Kg	50	75.00	3750.00
26	3.5 core 300 sq. mm LT PVC cable(unarmoured)	Mtr	30	994.00	29820.00
27	GI nut,bolt & washer	Kg	25	78.00	1950.00
28	Earthing support coil type	No	2	166.00	332.00
29	Danger Board	No	2	80.00	160.00
30	All. Cable socket	No	32	52.00	1664.00
31	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
32	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000.00	2000.00
33	TOTAL MATERIAL COST				1270062.00
34	Escalation @6%for 2019-20				1346265.72
35	Escalation @6%for 2020-21				1427041.66
36	Escalation @6%for 2021-22				1512664.16
37	Escalation @6%for 2022-23				1603424.01
38	Escalation @6%for 2023-24				1699629.45
A	Escalation @6%for 2024-25				1801607.22
B	Stock, Storage & Insurance @ 3% of A				54048.22
C	Sub Total (C=A+B)				1855655.44
D	Contingency @3% of C				55669.66

E	T & P 2% of C				37113.11
F	Transportation @ 7.5% of C				139174.16
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				70649.54
I	Erection Charges of other @ 10%				44266.47
J	Sub Total				2202528.38
K	Transportation + Labour cost of Dismatled materials(as per Estimate)				3,212.00
L	Total Rs.				2,205,740.38
36	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	2	2215.20	4430.40
37	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)@6500	No	2	965.00	1930.00
38	Barbed Fencing with Grill gate ,metal and Sand spreading.	Ls	1	35000.00	35000.00
39	Plinth of Distribution Transformer(500 KVA)	No	1	35000.00	35000.00
	Foundation and Plinth for VCB	Ls	1	35000.00	35000.00
					2317100.78
SCOPE [C]	SERVICE CONNECTION PART				
1	3C x185 sq. mm 11 KV XLPE cable(Armoured)A2XFY	Mtr.	100	855.00	85500.00
2	Heat shrinkable jointing kit for 3Cx185 sq. mm 11 KV XLPE cable(indoor type)	No	4	8505.00	34020.00
3	Heat shrinkable jointing kit for 3Cx185 sq. mm 11 KV XLPE cable(outdoor type)	No	4	11756.00	47024.00
4	HDPE Pipe 8",10 Mtr. (spec PE-80-PN8,160 mm dia)	Mtr.	32	1785.00	57120.00
5	Cable laying in the cable trench with removable cover	Rmtr.	40	833.82	33352.80
6	10 core 2.5 sq. mm cu control cable(Armoured)	Mtr.	20	330.00	6600.00
7	16 mm GI Bolt & Nuts with washer	Kg	20	78.00	1560.00
8	All. Cable lug of different sizes	No	30	52.00	1560.00
9	40 mm dia earthing device 3 Mtr. Long	No	4	1050.00	4200.00
10	Earthing with materials	No	4	1890.00	7560.00
11	25x6 mm GI Flat	Kg	40	75.00	3000.00
12	Lightning arrestor ,12 KV- 10KA,station class	No	3	3550.00	10650.00
13	Saundries	Ls	1	2000.00	2000.00
14	Total Rs.				294146.80
15	Escalation @6%for 2019-20				311795.61
16	Escalation @6%for 2020-21				330503.34
17	Escalation @6%for 2021-22				350333.55
18	Escalation @6%for 2022-23				371353.56
19	Escalation @6%for 2023-24				393634.77

A	Escalation @6%for 2024-25				417252.86
B	Stock, Storage & Insurance @ 3% of A				12517.59
C	Sub Total (C=A+B)				429770.44
D	Contingency @3% of C				12893.11
E	T & P 2% of C				8595.41
F	Transportation @ 7.5% of C				32232.78
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				42977.04
J	Sub Total				526468.79
20	Cubicle Room(12x12x10)'	No	1	70800.00	70800.00
	Total Rs.				597268.79
	Sub Total Rs.				3,557,944.58
	Cess @1%				35,579.45
	Total Estimated Cost				3,593,524.02
	Total Estimated Cost in Figures				3,593,524.00
EXCESS	☐ LESS ☐ (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/-
Dy. Manager (Elect)

Sd/-
Project Manager (Elect.)