

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

Ph: 0674-2541545, 2542921, Fax: 0674-2541543

E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ATS AT RTO IN THE DIST. OF BALASORE.

BID REF NO :- 54/PM/ELECT/OPHWC/2024-25

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2018-19	AMOUNT IN RS.
SCOPE [A]	LAYING OF UG XLPE CABLE				
1	150x150 mm 9 Mtr. Long GI Joist Pole(SAIL/JINDAL/TATA MAKE)	No.	4	23355.00	93,420.00
2	11 K.V. V cross arm	No.	2	810.00	1,620.00
3	11 KV F clamp	No.	2	240.00	480.00
4	Back clamp for V cross arm	No.	2	80.00	160.00
5	11 KV Pin Insulator polymer	No.	6	200.00	1,200.00
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	4	1050.00	4,200.00
9	7/10 SWG Stay wire	Kg	40	75.00	3,000.00
10	HT Stay Insulator	No.	4	50.00	200.00
11	HT stay clamp	Pair	4	125.00	500.00
12	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.040	90000.00	3,600.00
13	3C x95 sq. mm 11 KV XLPE cable (Armoured) A2XFY	Mtr.	92	571.00	52,532.00
14	Heat shrinkable jointing kit for 3Cx95 sq. mm 11 KV XLPE cable(outdoor type)	No	4	10949.00	43,796.00
15	HDPE Pipe 8",10 Mtr. (spec PE-80-PN8,160 mm dia)	Mtr.	32	1785.00	57,120.00
16	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	2	1050.00	2,100.00
17	Earthing material	Ls	2	1890.00	3,780.00
18	Lightning arrestor ,12 KV- 10KA	No	3	3550.00	10,650.00
19	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	103.04	75.00	7,728.00
20	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	76.16	75.00	5,712.00

21	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00	3,780.00
22	PG Clamp for 100 sq. mm AAA Conductor	No	3	580.00	1,740.00
23	GI nut,bolt & washer	Kg	25	78.00	1,950.00
24	Earthing support coil type	No	4	166.00	664.00
25	Danger Plate	No	4	80.00	320.00
26	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	8	80.00	640.00
27	Sundries	LS	1	3000.00	3,000.00
28	TOTAL MATERIAL COST				3,06,862.00
29	Escalation @6%for 2019-20				3,25,273.72
30	Escalation @6%for 2020-21				3,44,790.14
31	Escalation @6%for 2021-22				3,65,477.55
32	Escalation @6%for 2022-23				3,87,406.20
33	Escalation @6%for 2023-24				4,10,650.58
A	Escalation @6%for 2024-25				4,35,289.61
B	Stock, Storage & Insurance @ 3% of A				13,058.69
C	Sub Total (C=A+B)				4,48,348.30
D	Contingency @3% of C				13,450.45
E	T & P 2% of C				8,966.97
F	Transportation @ 7.5% of C				33,626.12
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				6,824.68
I	Erection Charges of other @ 10%				31,185.47
J	Sub Total				5,42,401.99
34	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	4	2215.19	8,860.76
35	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	4	965.00	3,860.00
36	Supply and Laying of HDPE pipe 160 mm dia PN8, PE 80 through HDD method .scope of work also includes making trenches ducts with 160 mm dia HDPE pipe casing using HDD method including supply of HDPE pipe as per IS 4984(providing parabolic graph)	Mtr.	40	2864.12	1,14,564.80
37	For laying of 11 KV 3core cable(70 sq. mm 630 sq. mm)in Trench or HDPE pipe Hum pipe.	Mtr.	92	100.16	9,214.72
	Total Rs.				6,78,902.27
SCOPE [B]	Construction of 250 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	57,090.00

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	103.04	75.00	7,728.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	114.24	75.00	8,568.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00	3,780.00
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	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.040	90000.00	3,600.00
13	LT distribution Box with MCCB,Aluminium Bus bar of 3-bay with kit-kat fuse for 250 KVA Transformer	No.	1	48000.00	48,000.00
14	250 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	268450.00	2,68,450.00
15	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7,350.00
16	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6,120.00
17	Lightning arrestor ,12 KV- 10KA	No	3	3550.00	10,650.00
19	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5,250.00
20	Earthing material	Ls	5	1890.00	9,450.00
21	25x6 mm GI flat for body earthing	Kg	20	75.00	1,500.00
22	50x6 mm GI flat for neutral earthing	Kg	20	75.00	1,500.00
	No.6/8 GI wire	Kg	25	75.00	1,875.00
23	GI nut,bolt & washer	Kg	30	78.00	2,340.00
24	3.5 core 300 sq. mm LT PVC cable(unarmoured)	Mtr	30	994.00	29,820.00
25	Earthing support coil type	No	2	166.00	332.00
26	Danger Board	No	2	80.00	160.00
27	All. Cable socket	No	32	52.00	1,664.00
28	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
29	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000.00	2,000.00
30	TOTAL MATERIAL COST				4,85,067.00
31	Escalation @6%for 2019-20				5,14,171.02
32	Escalation @6%for 2020-21				5,45,021.28
33	Escalation @6%for 2021-22				5,77,722.56

34	Escalation @6%for 2022-23				6,12,385.91
35	Escalation @6%for 2023-24				6,49,129.07
A	Escalation @6%for 2024-25				6,88,076.81
B	Stock, Storage & Insurance @ 3% of A				20,642.30
C	Sub Total (C=A+B)				7,08,719.11
D	Contingency @3% of C				21,261.57
E	T & P 2% of C				14,174.38
F	Transportation @ 7.5% of C				53,153.93
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				23,781.91
I	Erection Charges of other @ 10%				23,308.09
J	Sub Total				8,44,399.00
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	4,430.40
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	1,930.00
38	Barbed Fencing with Grill gate ,metal and Sand.	Ls	1	35000.00	35,000.00
39	Plinth of Distribution Transformer(250 KVA)	Ls	1	35000.00	35,000.00
					9,20,759.40
III	SERVICE CONNECTION PART				
1	3C x95 sq. mm 11 KV XLPE cable(Armoured)A2XFY	Mtr.	46	571.00	26,266.00
2	Heat shrinkable jointing kit for 3Cx95 sq. mm 11 KV XLPE cable(indoor type)	No	4	7105.98	28,423.92
3	Heat shrinkable jointing kit for 3Cx95 sq. mm 11 KV XLPE cable(outdoor type)	No	4	10949.00	43,796.00
4	HDPE Pipe 8",10 Mtr. (spec PE-80-PN8,160 mm dia)	Mtr.	16	1785.00	28,560.00
5	Cable laying in the cable trench with removable cover	Rmtr.	10	833.82	8,338.20
6	10 core 2.5 sq. mm cu control cable(Armoured)	Mtr.	12	330.00	3,960.00
7	16 mm GI Bolt & Nuts with washer	Kg	20	78.00	1,560.00
8	All. Cable lug of different sizes	No	30	52.00	1,560.00
9	40 mm dia earthing device 3 Mtr. Long	No	4	1050.00	4,200.00
10	Earthing with materials	No	4	1890.00	7,560.00
11	25x6 mm GI Flat	Kg	40	75.00	3,000.00
12	Lightning arrestor ,12 KV- 10KA,station class	No	3	3550.00	10,650.00
13	Saundries	Ls	1	2000.00	2,000.00
14	Total Rs.				1,69,874.12
15	Escalation @6%for 2019-20				1,80,066.57
16	Escalation @6%for 2020-21				1,90,870.56
17	Escalation @6%for 2021-22				2,02,322.79

18	Escalation @6%for 2022-23				2,14,462.16
19	Escalation @6%for 2023-24				2,27,329.89
A	Escalation @6%for 2024-25				2,40,969.69
B	Stock, Storage & Insurance @ 3% of A				7,229.09
C	Sub Total (C=A+B)				2,48,198.78
D	Contingency @3% of C				7,445.96
E	T & P 2% of C				4,963.98
F	Transportation @ 7.5% of C				18,614.91
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				24,819.88
J	Sub Total				3,04,043.50
19	Cubicle Room(12x12x10)'	No	1	70800.00	70,800.00
	Total Rs.				3,74,843.50
	Sub Total Rs.				19,74,505.17
	Cess @1%				19,745.05
	Total Estimated Cost				19,94,250.22
	Total Estimated Cost in Figures				19,94,250.00
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.)**