

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 :- 08 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12-E + 6-F TYPE QUARTERS AT DISTRICT HQR., JAJPUR IN THE DISTRICT OF JAJPUR.

BID REF NO :- 67/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2018-19	AMOUNT IN RS.
SCOPE [A]	Construction of 3 ph 3W 11 KV Line - 0.02 Km.				
1	150x150 mm 9 Mtr. Long GI Joist Pole	No.	1	20655.00	20655.00
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.	3	200.00	600.00
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	1	1050.00	1050.00
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	0.062	90000.00	5562.00
13	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	25.76	75.00	1932.00
14	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	19.04	75.00	1428.00
15	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	12.6	75.00	945.00
16	PG Clamp for 100 sq. mm Conductor	No	3	580.00	1740.00
17	GI nut,bolt & washer	Kg	4.5	78.00	351.00
18	Earthing support coil type	No	1	166.00	166.00
19	Danger Plate	No	1	80.00	80.00

20	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
21	Sundries (Survey, Tree cutting, insulation Tape,small size nut bolt, clamp, Binding wire, sockets etc.	LS	1	3000.00	3000.00
22	TOTAL MATERIAL COST				42694.00
23	Escalation @6%for 2019-20				45255.64
24	Escalation @6%for 2020-21				47970.98
25	Escalation @6%for 2021-22				50849.24
26	Escalation @6%for 2022-23				53900.19
27	Escalation @6%for 2023-24				57134.20
A	Escalation @6%for 2024-25				60562.25
B	Stock, Storage & Insurance @ 3% of A				1816.87
C	Sub Total (C=A+B)				62379.12
D	Contingency @3% of C				1871.37
E	T & P 2% of C				1247.58
F	Transportation @ 7.5% of C				4678.43
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				1508.93
I	Erection Charges of other @ 10%				3220.06
J	Sub Total				74905.50
28	Material cost for Concreting of GI Joist pole 1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.288 cum(PCC 1:3:6)@6500	No	1	1872.00	1872.00
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
					2837.00
	Total Rs.				77,742.50
SCOPE [B]	Construction of 100 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 9 Mtr. Long GI Joist Pole	No.	2	20655.00	41310.00
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	51.52	75.00	3864.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	76.16	75.00	5712.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	25.2	75.00	1890.00

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	Fish Plate	No	4	75.00	300.00
13	55 Sq. mm Insulated Conductor	Km	0.040	75920.40	3036.82
14	LT distribution Box with MCCB,Aluminium Bus bar of 2-bay with kit-kat fuse for 100 KVA Transformer	No.	1	24419.00	24419.00
15	100 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	117000.00	117000.00
16	11 KV 3 pole 200 A AB switch,50 Hz	Set	1	7350.00	7350.00
17	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6120.00
18	Lightning arrester ,12 KV- 10 KA	No	3	3550.00	10650.00
19	PG Clamp for 55 sq. mm Conductor	No	3	480.00	1440.00
20	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5250.00
21	Earthing material	Ls	5	1890.00	9450.00
22	25x6 mm GI flat for earthing	Kg	12	75.00	900.00
23	No.6/8 GI wire	Kg	8	75.00	600.00
24	GI nut,bolt & washer	Kg	20	78.00	1560.00
25	3.5 core 95 sq. mm LT PVC cable(unarmoured)	Mtr	30	333.00	9990.00
26	Earthing support coil type	No	2	166.00	332.00
27	Danger Plate	No	2	80.00	160.00
28	All cable lug of different size	No	12	52.00	624.00
29	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
30	Sundries	LS	1	2000.00	2000.00
31	TOTAL MATERIAL COST				261797.82
32	Escalation @6%for 2019-20				277505.68
33	Escalation @6%for 2020-21				294156.03
34	Escalation @6%for 2021-22				311805.39
35	Escalation @6%for 2022-23				330513.71
36	Escalation @6%for 2023-24				350344.53
A	Escalation @6%for 2024-25				371365.21
B	Stock, Storage & Insurance @ 3% of A				11140.96
C	Sub Total (C=A+B)				382506.16
D	Contingency @3% of C				11475.18
E	T & P 2% of C				7650.12
F	Transportation @ 7.5% of C				28687.96

G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				11565.14
I	Erection Charges of other @ 10%				15120.34
J	Sub Total				457004.91
37	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	1872.00	3744.00
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	1930.00
39	Boundary wall ,sand filling and metal spreading,Fixing of Iron Grill gate etc.	No	1	35000.00	35000.00
40	Plinth of 100 KVA S/S	No	1	35000.00	35000.00
					532678.91
SCOPE [C]	LT LINE				
1	9 mtr Long 116x100 mm GI Joist Pole(23 Kg/Mtr.)	No.	8	15525.00	124200.00
2	LT XLPE AB cable(3x50+1x35+1x16) sq. mm	Km	0.336	140000.00	47040.00
3	Dead end clamp	No.	7	65.00	455.00
4	Suspension clamp with I hook	No.	5	340.00	1700.00
5	Pole clamp with I hook(ABC)	Pair	12	200.00	2400.00
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	3	520.00	1560.00
9	7/12 SWG GI stay wire	Kg	30	75.00	2250.00
10	LT stay insulator	No.	3	110.00	330.00
11	LT stay clamp	No.	3	30.00	90.00
12	GI nut,bolt of assorted size	Kg	10	78.00	780.00
13	Earthing support coil type	No.	8	166.00	1328.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	Ls	1	3000.00	3000.00
15	Total Rs.				186225.00
16	Escalation @6%for 2019-20				197398.50
17	Escalation @6%for 2020-21				209242.41
18	Escalation @6%for 2021-22				221796.95
19	Escalation @6%for 2022-23				235104.77
20	Escalation @6%for 2023-24				249211.06
21	Escalation @6%for 2024-25				264163.72
22	LT Distribution Box Polycarbonate	No	4	984.24	3936.96

23	Cable 1.1 KV AL 1Cx25 sq. mm Unarmoured PVC	Mtr.	16	40.19	643.04
A	Total Rs.				268743.72
B	Stock, Storage & Insurance @ 3% of A				8062.31
C	Sub Total (C=A+B)				276806.03
D	Contingency @3% of C				8304.18
E	T & P 2% of C				5536.12
F	Transportation @ 7.5% of C				20760.45
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				9073.27
I	Erection Charges of other @ 10%				9462.09
J	Sub Total				329942.15
24	Material cost for Concreting of 9 Mtr. GI Joist Pole 1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)@6500	No	8	1872.00	14976.00
25	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)@6500	No	3	965.00	2895.00
	Total Rs.				347813.15
	Sub Total Rs.				9,58,234.56
	Cess @1%				9,582.35
	Total Estimated Cost				9,67,816.91
	Total Estimated Cost in Figures				9,67,817.00
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.)**