

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-E+4-E TYPE QUARTERS AT BADASAHI POLICE STATION IN THE DISTRICT OF MAYURBHANJ.

BID REF NO :- 68/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.	AMOUNT IN RS.
SCOPE [A]	Construction of 3 ph 3W 11 KV Line - 0.05 Km.				
1	150x150 mm 11 Mtr. Long RS Joist Pole	No.	3	21879.00	65,637.00
2	150x150 mm 9 Mtr. Long RS Joist Pole	No.	9	17901.00	1,61,109.00
3	11 K.V. V cross arm	No.	1	810.00	810.00
4	11 KV F clamp	No.	1	240.00	240.00
5	Back clamp for V cross arm	No.	1	80.00	80.00
6	11 KV Pin Insulator polymer	No.	3	240.00	720.00
7	11 KV T&C Hardware (45KN)GI	set	3	200.00	600.00
8	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
9	Earthing support coil type	No	3	166.00	498.00
10	HT Stay set complete	Set	1	1050.00	1,050.00
11	7/10 SWG Stay wire	Kg	12	75.00	900.00
12	HT Stay Insulator	No.	1	50.00	50.00
13	HT stay clamp	Pair	1	125.00	125.00
14	GI Base Plate (500x500x10 mm)	No	1	1500.00	1,500.00
15	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	35	75.00	2,625.00
16	GI nut,bolt & washer	Kg	25	78.00	1,950.00
17	25x3 mm GI flat for earthing	Kg	15	75.00	1,125.00
18	55 Sq. mm Insulated Conductor	Km	0.165	75920.14	12,526.82
19	AB cable(3x50+1x35+1x16) sq. mm	Km	0.396	140000.00	55,440.00
20	LT Stay set complete	Set	4	520.00	2,080.00
21	7/12 SWG GI stay wire	Kg	40	75.00	3,000.00

22	LT stay insulator	No.	4	110.00	440.00
23	LT stay clamp	No.	4	30.00	120.00
24	Dead end clamp	No.	4	65.00	260.00
25	Suspension clamp with I hook	No.	5	340.00	1,700.00
26	Pole clamp with I hook(ABC)	Pair	9	200.00	1,800.00
27	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	8	80.00	640.00
28	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	8	40.00	320.00
29	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
30	Red Oxide Paint	Ltr.	1	150.00	150.00
31	Aluminium Paint	Ltr.	1	200.00	200.00
32	Sundries for survey, tree cutting , insulated tape, mceal compound etc.	Ls	1	3000.00	3,000.00
33	TOTAL MATERIAL COST				3,23,435.82
34	Escalation @6%for 2019-20				3,42,841.96
35	Escalation @6%for 2020-21				3,63,412.48
36	Escalation @6%for 2021-22				3,85,217.23
37	Escalation @6%for 2022-23				4,08,330.27
A	Escalation @6%for 2023-24				4,32,830.08
B	Stock, Storage & Insurance @ 3% of A				12,984.90
C	Sub Total (C=A+B)				4,45,814.98
D	Contingency @3% of C				13,374.45
E	T & P 2% of C				8,916.30
F	Transportation @ 7.5% of C				33,436.12
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				15,627.02
I	Erection Charges of other @ 10%				13,327.46
J	Sub Total				5,30,496.34
27	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	12	2215.00	26,580.00
28	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	5	965.00	4,825.00
					31,405.00
	Total Rs.				5,61,901.34
SCOPE [B]	Construction of 100 KVA (BIS energy Level-II) sub station -1 No.				

1	150x150 mm 11 Mtr. Long RS Joist Pole	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	HT Stay set complete	Set	2	1050.00	2,100.00
6	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
7	HT Stay Insulator	No.	2	50.00	100.00
8	HT stay clamp	Pair	2	125.00	250.00
9	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5,250.00
10	GI Base Plate (500x500x10 mm) for PSC Pole	No	2	1500.00	3,000.00
11	Earthing material	Ls	5	1749.60	8,748.00
12	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	100	75.00	7,500.00
13	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	90	75.00	6,750.00
14	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50	75.00	3,750.00
15	GI nut,bolt & washer	Kg	30	78.00	2,340.00
16	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7,350.00
17	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6,120.00
18	GI Flat 75x8 mm	Kg	50	75.00	3,750.00
19	Lightning arrester ,12 KV- 5 KA	No	3	2250.00	6,750.00
20	55 Sq. mm Insulated Conductor	Km	0.040	75920.14	3,036.81
21	LT distribution Box with MCCB,Aluminium Bus bar of single-bay with kit-kat fuse for 63 KVA Transformer	No.	1	18322.00	18,322.00
22	63 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	86500.00	86,500.00
23	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
24	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	Ls	1	3000.00	3,000.00
25	TOTAL MATERIAL COST				2,29,484.81
26	Escalation @6%for 2019-20				2,43,253.89
27	Escalation @6%for 2020-21				2,57,849.13
28	Escalation @6%for 2021-22				2,73,320.08
29	Escalation @6%for 2022-23				2,89,719.28
30	Escalation @6%for 2023-24				3,07,102.44
A	Escalation @6%for 2024-25				3,25,528.58
B	Stock, Storage & Insurance @ 3% of A				9,765.86

C	Sub Total (C=A+B)				3,35,294.44
D	Contingency @3% of C				10,058.83
E	T & P 2% of C				6,705.89
F	Transportation @ 7.5% of C				25,147.08
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				9,371.42
I	Erection Charges of other @ 10%				12,888.72
J	Sub Total				3,99,466.39
31	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	2215.20	4,430.40
32	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	984.12	1,968.24
33	Boundary wall ,sand filling and metal spreading,Fixing of Iron Grill gate etc.	No	1	22420.00	22,420.00
					4,28,285.03
	Sub Total Rs.				9,90,186.36
	Cess @1%				9,901.86
	Total Estimated Cost				10,00,088.23
	Total Estimated Cost in Figures				10,00,088.00
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)**