

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 :-07 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-F TYPE QTRS. AT NILAGIRI POLICE STATION IN THE DIST. OF BALASORE.

BID REF NO :- 30/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 - 0.05 Km.				
1	150x150 mm 11 Mtr. Long GI Joist Pole	No.	1	28545.00	28545.00
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	PG Clamp for 100/55 sq. mm AAA Conductor	No	3	580.00	1740.00
9	HT Stay set complete	Set	2	1050.00	2100.00
10	7/10 SWG Stay wire	Kg	20	75.00	1500.00
11	HT Stay Insulator	No.	2	50.00	100.00
12	HT stay clamp	Pair	2	125.00	250.00
13	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.155	90000.00	13905.00
14	100X50X6mm GI Channel(each 2.8 Mtr. Long (9.2 Kg/mtr.)x2 Nos.)	Kg	51.52	75.00	3864.00
15	Earthing support coil type	No	1	166.00	166.00
16	Danger Plate	No	1	80.00	80.00
17	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
18	GI nut,bolt & washer	Kg	10	78.00	780.00
19	Sundries	LS	1	3000.00	3000.00
20	TOTAL MATERIAL COST				60890.00
21	Escalation @6%for 2019-20				64543.40
22	Escalation @6%for 2020-21				68416.00
23	Escalation @6%for 2021-22				72520.96
24	Escalation @6%for 2022-23				76872.22

25	Escalation @6%for 2023-24					81484.56
A	Escalation @6%for 2024-25					86373.63
B	Stock, Storage & Insurance @ 3% of A					2591.21
C	Sub Total (C=A+B)					88964.84
D	Contingency @3% of C					2668.95
E	T & P 2% of C					1779.30
F	Transportation @ 7.5% of C					6672.36
G	Erection Charges for PSC Pole @ 20%					
H	Erection Charges of DTR and Joist Poles @ 5%					2085.32
I	Erection Charges of other @ 10%					4725.84
J	Sub Total					106896.60
26	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	1	2215.20		2215.20
27	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
						4145.20
	Total Rs.					1,11,041.80
SCOPE [B]	Construction of 25 KVA (BIS energy Level-II) sub station -1 No.					
1	150x150 mm 11 Mtr. Long GI joist Pole	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	PG Clamp for 100/55 sq. mm AAA Conductor	No	3	580.00		1740.00
6	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	103.04	75.00		7728.00
7	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	114.24	75.00		8568.00
8	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00		3780.00
9	HT Stay set complete	Set	2	1050.00		2100.00
10	7/10 SWG Stay wire	Kg	20	75.00		1500.00
11	HT Stay Insulator	No.	2	50.00		100.00
12	HT stay clamp	Pair	2	125.00		250.00
13	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.040	90000.00		3600.00
14	LT distribution Box with MCCB,Aluminium Bus bar of singe- bay with kit-kat fuse for 25 KVA Transformer	No.	1	14930.00		14930.00
15	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00		53800.00

16	11 KV 3 pole 200 A AB switch	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- 10KA	No	3	3550.00	10650.00
19	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5250.00
20	Earthing material	Ls	5	1890.00	9450.00
21	25x6 mm GI flat for body earthing	Kg	20	75.00	1500.00
22	50x6 mm GI flat for neutral earthing	Kg	20	75.00	1500.00
23	GI nut,bolt & washer	Kg	35	78.00	2730.00
24	3.5 core 50 sq. mm LT PVC cable(unarmoured)	Mtr	15	203.00	3045.00
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	1664.00
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	2000.00
30	TOTAL MATERIAL COST				210827.00
31	Escalation @6%for 2019-20				223476.62
32	Escalation @6%for 2020-21				236885.22
33	Escalation @6%for 2021-22				251098.33
34	Escalation @6%for 2022-23				266164.23
35	Escalation @6%for 2023-24				282134.08
A	Escalation @6%for 2024-25				299062.13
B	Stock, Storage & Insurance @ 3% of A				8971.86
C	Sub Total (C=A+B)				308033.99
D	Contingency @3% of C				9241.02
E	T & P 2% of C				6160.68
F	Transportation @ 7.5% of C				23102.55
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				8100.93
I	Erection Charges of other @ 10%				14601.54
J	Sub Total				369240.71
36	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	4430.40
37	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
38	Barbed Fencing with Grill gate ,metal and Sand.	Ls	1	35000.00	35000.00
					410601.11
III	LT LINE				
1	9 mtr Long 300 KG PSC Pole	No.	7	3000.00	21000.00

2	AB cable(3x50+1x35+1x16) sq. mm	Km	0.2472	140000.00	34608.00
3	Dead end clamp	No.	4	65.00	260.00
4	Suspension clamp with I hook	No.	3	340.00	1020.00
5	Pole clamp with I hook(ABC)	Pair	7	200.00	1400.00
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	4	520.00	2080.00
9	7/12 SWG GI stay wire	Kg	40	75.00	3000.00
10	LT stay insulator	No.	4	110.00	440.00
11	LT stay clamp	No.	4	30.00	120.00
12	Earthing support coil type	No.	7	166.00	1162.00
13	GI nut,bolt of assorted size	Kg	10	78.00	780.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	Ls	1	2000.00	2000.00
15	Total Rs.				68962.00
16	Escalation @6%for 2019-20				73099.72
17	Escalation @6%for 2020-21				77485.70
18	Escalation @6%for 2021-22				82134.85
19	Escalation @6%for 2022-23				87062.94
20	Escalation @6%for 2023-24				92286.71
A	Escalation @6%for 2024-25				97823.92
B	Stock, Storage & Insurance @ 3% of A				2934.72
C	Sub Total (C=A+B)				100758.63
D	Contingency @3% of C				3022.76
E	T & P 2% of C				2015.17
F	Transportation @ 7.5% of C				7556.90
G	Erection Charges for PSC Pole @ 20%				6136.52
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				7007.61
J	Sub Total				126497.59
21	Material cost for Concreting of PSC Pole 1.8 Mtrx0.45 Mtr.x0.45 Mtr=0.36 cum(PCC 1:3:6)@6500	No	7	2369.00	16583.00
22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@4320	No	4	965.00	3860.00
	Total Rs.				146940.59
	Sub Total Rs.				6,68,583.51
	Cess @1%				6,685.84
	Total Estimated Cost				6,75,269.34
	Total Estimated Cost in Figures				6,75,269.00

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) I/C**

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