

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 :- 05 AS PER IFB

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

BID REF NO :- 30/PM/ELECT/OPHWC/2024-25

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2018-19	AMOUNT IN RS.
SCOPE [A]	Construction of 100 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	55 sq. mm AAAC	Km	0.040	30000.00	1200.00
4	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
5	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2580.00
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	76.16	75.00	5712.00
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 3 pole 200 A AB switch	Set	1	7350.00	7350.00
14	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6120.00
15	Lightning arrester ,12 KV- 5 KA	No	3	2250.00	6750.00
16	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5250.00
17	No. 6/8 GI wire(dia 4.6 mm)	Kg	20	75.00	1500.00
18	50x6 mm GI flat for neutral earthing	Kg	20	75.00	1500.00
19	LT distribution Box with MCCB,Aluminium Bus bar of 2bay with kit-kat fuse for 100 KVA Transformer	No.	1	24419.00	24419.00
20	100 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	117000.00	117000.00
21	GI nut,bolt & washer	Kg	13	78.00	1014.00

22	3.5 core 95 sq. mm LT PVC cable(unarmoured)	Mtr	15	333.00	4995.00
23	All. Cable socket	No	32	52.00	1664.00
24	Earthing materials	No	5	1890.00	9450.00
25	Danger Board	No	2	80.00	160.00
26	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
27	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
28	TOTAL MATERIAL COST				272522.00
29	Escalation @6%for 2019-20				288873.32
30	Escalation @6%for 2020-21				306205.72
31	Escalation @6%for 2021-22				324578.06
32	Escalation @6%for 2022-23				344052.75
33	Escalation @6%for 2023-24				364695.91
A	Escalation @6%for 2024-25				386577.67
B	Stock, Storage & Insurance @ 3% of A				11597.33
C	Sub Total (C=A+B)				398175.00
D	Contingency @3% of C				11945.25
E	T & P 2% of C				7963.50
F	Transportation @ 7.5% of C				29863.12
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				12717.92
I	Erection Charges of other @ 10%				14381.65
J	Sub Total				475046.44
K	Transportation + Labour cost of Dismatled materials(detail as per estimate)				2,292.00
L	Total Rs.				4,77,338.44
M	Salvage value of Dismantled material				480.00
N	Total cost after deducting salvage value				4,76,858.44
34	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
35	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
36	Plinth of Transformer	Ls	1	35000.00	35000.00
37	Barbed Fencing with Grill gate ,metal and Sand.	Ls	1	35000.00	35000.00
					553218.84
II	LT LINE				
1	9 mtr Long 150x150 mm GI Joist Pole(30.6 Kg/Mtr.)	No.	5	20655.00	103275.00
2	AB cable(3x50+1x35+1x16) sq. mm	Km	0.206	140000.00	28840.00

3	Dead end clamp	No.	3	65.00	195.00
4	Suspension clamp with I hook	No.	4	340.00	1360.00
5	Pole clamp with I hook(ABC)	Pair	5	200.00	1000.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	20	80.00	1600.00
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	5	33.00	165.00
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	Earthing support coil type	No.	5	166.00	830.00
13	GI nut,bolt of assorted size	Kg	8	78.00	624.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	ls	1	2000.00	2000.00
15	Total Rs.				144119.00
16	Escalation @6%for 2019-20				152766.14
17	Escalation @6%for 2020-21				161932.11
18	Escalation @6%for 2021-22				171648.03
19	Escalation @6%for 2022-23				181946.92
20	Escalation @6%for 2023-24				192863.73
A	Escalation @6%for 2024-25				204435.56
B	Stock, Storage & Insurance @ 3% of A				6133.07
C	Sub Total (C=A+B)				210568.62
D	Contingency @3% of C				6317.06
E	T & P 2% of C				4211.37
F	Transportation @ 7.5% of C				15792.65
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				7544.63
I	Erection Charges of other @ 10%				5967.61
J	Sub Total				250401.94
21	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	5	2215.00	11075.00
22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@4320	No	3	965.00	2895.00
	Total Rs.				264371.94
	Sub Total Rs.				8,17,590.78
	Cess @1%				8,175.91
	Total Estimated Cost				8,25,766.69
	Total Estimated Cost in Figures				8,25,767.00
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.)**