

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 :- 14 AS PER IFB

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO CHAMPUA POLICE STATION BUILDING IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 04/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]	Installation of 25 KVA 11/0.4KV S/S- 1 No				
SCOPE [B]	Construction of 3 ph 3 wire 11 KV line using 100 sq. mm XLPE Insulated AAAC-0.010 Km				
SCOPE [C]	Construction of 3 ph 4 wire LT line using 3X35+1X25 sq. mm XLPE Cable-0.18 Km				
SCOPE [D]	Stud Stay on Proposed LT Line-2 Nos., 11 Mtr. Long RS Joist Pole-1 No. at 11 KV Tapping Point.				
	11 KV LINE				
1	11 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	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.	6	200.00	1200.00
6	11 KV T&C Hardware (45KN)	set	6	130.00	780.00
7	Disc insulator(T&C)45 KN Polymer	No	6	860.00	5160.00
8	75x40x6 mm MS Channel	Kg	20	65.00	1300.00
9	11 KV 100 sq. mm XLPE Insulated covered AAA Conductor (Un-Armoured)	Km	0.033	90000.00	2970.00
10	PG clamp for 100 sq. mm conductor	No	3	580.00	1740.00
11	Aluminium binding wire	Kg	0.5	420.00	210.00
12	Danger Board	No	1	80.00	80.00
13	Anticlimbing device made of GI Barbed wire , clamping arrangement(2 Kg per Support)	Kg	2	80.00	160.00

14	HT stay set complete	Set	1	1050.00	1050.00
15	HT Stay Insulator	No.	1	50.00	50.00
16	HT stay Clamp	Pair	1	125.00	125.00
17	7/10 SWG Stay wire	Kg	10	75.00	750.00
18	GI nut,bolt & washer of different sizes	Kg	8	78.00	624.00
19	Red Oxide paint	Ltr	0.5	150.00	75.00
20	All. Paint	Ltr	1	200.00	200.00
21	Black Paint	Ltr	0.5	220.00	110.00
22	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	0.05	3000	150.00
23	TOTAL MATERIAL COST				46409.00
24	Escalation @6%for 2019-20				49193.54
25	Escalation @6%for 2020-21				52145.15
26	Escalation @6%for 2021-22				55273.86
27	Escalation @6%for 2022-23				58590.29
A	Escalation @6%for 2023-24				62105.71
B	Stock, Storage & Insurance @ 3% of A				1863.17
C	Sub Total (C=A+B)				63968.88
D	Contingency @3% of C				1919.07
E	T & P 2% of C				1279.38
F	Transportation @ 7.5% of C				4797.67
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				1967.28
I	Erection Charges of other @ 10%				2462.32
J	Sub Total				76394.59
23	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	1	965.00	965.00
24	Material cost for Concreting of Joist Pole 1.833 Mtrx0.45 Mtr.x0.45 Mtr=0.372 cum(PCC 1:3:6)	No	1	2418.00	2418.00
					79777.59
	Installation of 25 KVA 11/0.4KV (Star Rated) DP mounted sub station - 1 No				
1	11 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	2	28545.00	57090.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	52	65.00	3380.00

3	Transformer mounting channel 100x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg			
			52	65.00	3380.00
4	AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 2 nos(4.5 k.g per mtr)	Kg			
			76	65.00	4940.00
5	Transformer belting angle 50x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg			
			32	65.00	2080.00
6	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg			
			23	65	1495.00
7	3Pole 11KV 200A AB switch	set	1	7350.00	7350.00
8	3Pole 11KV 200A HG Fuse	set	1	6120	6120.00
9	11 KV LA12 KV-10 KA	No	3	3550	10650.00
10	11 KV Pin Insulator polymer	No.	3	200.00	600.00
11	HT stay set complete	Set	2	1050.00	2100.00
12	HT Stay Insulator	No.	2	50.00	100.00
13	HT stay Clamp	Pair	2	125.00	250.00
14	7/10 SWG Stay wire	Kg	20	75.00	1500.00
15	Aluminium binding wire	Kg	1	420.00	420.00
16	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5250.00
17	No. 6 GI wire	Kg	20	75.00	1500.00
18	25x5 mm GI flat for neutral earthing	Kg	40	75.00	3000.00
19	50 sq. mm insulated conductor	Km	0.04	75816.00	3032.64
20	Red Oxide paint	Ltr	4	150.00	600.00
21	All. Paint	Ltr	3	200.00	600.00
22	Black Paint	Ltr	0.5	220.00	110.00
23	MS nut,bolt & washer	Kg	36	78.00	2808.00
24	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00	53800.00
25	LT distribution Box including kit-kat fuse with MCCB for25 KVA Transformer	No.	1	14930.00	14930.00
26	3.5 core 35 sq. mm PVC cable(Un- Armoured)	Mtr	15	152.00	2280.00
27	All. Cable socket 50 sq. mm	No	32	12.00	384.00
28	Earthing materials	No	5	1890.00	9450.00
29	Sundries for survey, pvc tape, ampere Tape, Danger Board,small size Nut & Bolt with washer ,Allm. Binding tape,Danger Board etc.	No.	1	2000.00	2000.00
30	TOTAL MATERIAL COST				201199.64
31	Escalation @6%for 2019-20				213271.62
32	Escalation @6%for 2020-21				226067.92
33	Escalation @6%for 2021-22				239631.99
34	Escalation @6%for 2022-23				254009.91
A	Escalation @6%for 2023-24				269250.50
B	Stock, Storage & Insurance @ 3% of A				8077.52

C	Sub Total (C=A+B)				277328.02
D	Contingency @3% of C				8319.84
E	T & P 2% of C				5546.56
F	Transportation @ 7.5% of C				20799.60
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				7642.39
I	Erection Charges of other @ 10%				12448.03
J	Sub Total				332084.44
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	Material cost for Concreting of Joist Pole 1.833 Mtrx0.45 Mtr.x0.45 Mtr=0.372 cum(PCC 1:3:6)@6500	No	2	2418.00	4836.00
37	Boundary wall with Grill gate ,metal & Sand	Ls	1	70000.00	70000.00
	Total Rs.(Part-B)				408850.44
	Construction of 3 ph 4 wire LT line using 3X35+1X25 sq. mm XLPE Cable-0.198Km				
1	9 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	8	23355.00	186840.00
2	Earthing coil each 5th pole to earth	No	6	166.00	996.00
3	Pole clamp with I hook(ABC)	Pair	6	200.00	1200.00
4	Dead end clamp	No.	4	65.00	260.00
5	GI nut,bolt of assorted size	Kg	10	78.00	780.00
6	GI Barbed wire	Kg	12	80.00	960.00
7	Piercing connector	No.	6	80.00	480.00
8	Neutral connector	No.	6	40.00	240.00
9	Danger Board	No	6	80.00	480.00
10	Name Plate	No	6	80.00	480.00
11	LT Stay set complete	Set	7	520.00	3640.00
12	7/12 SWG GI stay wire	Kg	70	75.00	5250.00
13	LT stay insulator	No.	7	30.00	770.00
14	LT stay clamp	No.	7	110.00	210.00
15	AB cable(3x35+1x25) sq. mm	Km	0.198	108000.00	21384.00
16	Sundries for survey,tree cutting, insulated Tape, Mceal compound etc.	Ls	0.18	2000	360.00
17	Total Rs.(Part-C)				224330.00
18	Escalation @6%for 2019-20				237789.80
19	Escalation @6%for 2020-21				252057.19
20	Escalation @6%for 2021-22				267180.62
21	Escalation @6%for 2022-23				283211.46
A	Escalation @6%for 2023-24				300204.14

B	Stock, Storage & Insurance @ 3% of A				9006.12
C	Sub Total (C=A+B)				309210.27
D	Contingency @3% of C				9276.31
E	T & P 2% of C				6184.21
F	Transportation @ 7.5% of C				23190.77
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				12876.75
I	Erection Charges of other @ 10%				5167.52
J	Sub Total				365905.82
22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	7	965.00	6755.00
23	Material cost for Concreting of Joist Pole1.5 Mtrx0.45 Mtr.x0.45 Mtr=0.3037cum(PCC 1:3:6)@6500	No	8	1974.37	15794.96
	Total Rs.				388455.78
	Sub Total Rs.				8,77,083.82
	Cess @ 1%				8,770.84
	Total Estimated Cost				8,85,854.65
	Total Estimated Cost in Figures				8,85,855.00
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/-
Project Manager(Elect.)**

**Sd/-
DM (Elect) I/C**