

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 6 "F" TYPE QUARTERS AT NANDIPADA POLICE STATION IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 101/PM/ELECT/OPHWC/2023-24

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2022-23	AMOUNT IN RS.
SCOPE [A]	Erection of interposing Pole on 11 KV Line-5 No.				
SCOPE [B]	Installation of 25 KVA 11/0.4KV (Star Rated) DP mounted sub station - 1 No(on existing DP)				
SCOPE [C]	Construction of 3 ph 3 wire 11 KV Line-0.3 Km(with 6 Nos. intermediate pole)				
SCOPE [D]	LT Line-0.320 Km				
	11 KV LINE PART				
1	11 mtr Long 150X150 mm RS Joist pole(30.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	8	21879.00	175032.00
2	10 mtr Long 400 Kg PSC pole(Stud Pole)	No.	5	7000.00	35000.00
3	11 K.V. V cross arm	No.	10	810.00	8100.00
4	11 KV F clamp	No.	10	240.00	2400.00
5	Back clamp for V cross arm	No.	10	80.00	800.00
6	11 KV Pin Insulator polymer	No.	45	200.00	9000.00
7	11 KV F clamp (as per Nesco)	No.	10	240.00	2400.00
8	Fish Plate ,28 flat 8 pieces(50x6)mm	Kg	5.28	75.00	396.00
9	Straight cross Arm Bottom channel 100x50x6 mm MS channel each 2 No.,1.2 mtr. Long(9.58 Kg/Mtr.)	Kg	112	65.00	7280.00

10	Straight cross Arm Top channel 100x50x6 mm MS channel each 2 No.,3.0 mtr. Long(9.58 Kg/Mtr.)	Kg	10	65.00	650.00
11	AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 4 nos(6.8 k.g per mtr)	Kg	86	65	5590
12	Angle 50x50x6mm MS channel each 2.8 mtr long (4.5 K.g per mtr)x 2 nos with side angle total 7mtr.	Kg	63	65	4095
13	11 KV T&C Hardware (45KN)	set	15	130.00	1950.00
14	Disc insulator(T&C)45 KN Polymer	No	15	860.00	12900.00
15	PG clamp for 55 sq. mm AAAC	No	15	480.00	7200.00
16	Earthing coil type	Ls	8	166.00	1328.00
17	HT stay set complete	Pair	7	1050.00	7350.00
18	HT Stay Insulator	No.	7	50.00	350.00
19	HT stay clamp	Pair	7	125.42	875.00
20	7/10 SWG Stay wire	Kg	70	75.42	5250.00
21	100 sq. mm 11 KV Insulated conductor	Km	0.927	90000.00	83430.00
22	GI nut,bolt & washer	Kg	20	78.00	1560.00
23	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	16	80.00	1280.00
24	Saundries for 11 KV Line	Ls	0.25	3000.00	750.00
25	11 KV 3 Pole 400 AMP AB switch	Set	1	11850.00	11850.00
26	40 mm nominal bore GI Pipe (medium gauge)Earthing Device(3 Mtr. Long)	No	2	1050.00	2100.00
27	25x6 mm GI flat for neutral,LA,AB switch pole earthing	Kg	40	75.00	3000.00
28	Earthing materials	No	2	1890.00	3780.00
29	TOTAL MATERIAL COST				395696.00
30	Escalation @6%for 2019-20				419437.76
31	Escalation @6%for 2020-21				444604.03
32	Escalation @6%for 2021-22				471280.27
33	Escalation @6%for 2022-23				499557.08
A	Escalation @6%for 2023-24				529530.51
B	Stock, Storage & Insurance @ 3% of A				15885.92
C	Sub Total (C=A+B)				545416.42
D	Contingency @3% of C				16362.49
E	T & P 2% of C				10908.33
F	Transportation @ 7.5% of C				40906.23
G	Erection Charges for PSC Pole @ 20%				9648.61

H	Erection Charges of DTR and Joist Poles @ 5%				12062.96
I	Erection Charges of other @ 10%				25591.41
J	Sub Total				660896.46
34	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	7	984.12	6888.84
35	Material cost for Concreting of Joist Pole1.8 Mtrx0.5 Mtr.x0.5 Mtr=0.45 cum(PCC 1:3:6)	No	8	2407.20	19257.60
	Total Rs.				687,042.90
	Sub station Part				
1	11 mtr Long 150X150 mm RS Joist pole(30.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	2	21879.00	43758.00
2	11 KV Pin Insulator	No	3	200.00	600.00
3	11 KV T&C Hardware (45KN)GI	set	3	130.00	390.00
4	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2580.00
5	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	52	65.00	3380.00
6	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
7	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
8	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
9	3Pole 11KV 200A AB switch	set	1	5300.00	5300.00
10	3Pole 11KV 200A HG Fuse	set	1	4100	4100.00
11	11 KV LA12 KV-10 KA	No	2	3550	7100.00
12	55 sq. mm OH insulated conductor	Km	0.04	75920.00	3036.80
13	25 KVA 11/0.4 KV Transformer(BIS energy Level-II)	No.	1	53800	53800.00
14	LT distribution Box including kit-kat fuse with MCCB for 25 KVA Transformer	No.	1	14930	14930.00
15	35 sq. mm 3.5 core PVC Cable	Mtr.	15	152	2280.00
16	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	5	1050	5250.00
17	No. 8 GI wire	Kg	20	75	1500.00

18	Earthing materials	No	5	1890	9450.00
19	HT stay set complete	Set	2	1050	2100.00
20	HT Stay clamp	Pair	2	125	250.00
21	HT Stay Insulator	No.	2	50	100.00
22	7/10 SWG Stay wire	Kg	20	75	1500.00
23	25x6 mm GI Flat for neutral earthing	Kg	98	75	7350.00
24	GI Nut, Bolt & washer	Kg	36	78	2808.00
25	All. Cable Lug of different sizes	No	24	52	1248.00
26	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
27	Red Oxide paint	Ltr	2	150	300.00
28	All. Paint	Ltr	2	200	400.00
29	Black Paint	Ltr	2	220	440.00
30	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000	2000.00
31	TOTAL MATERIAL COST				186670.80
32	Escalation @6%for 2019-20				197871.05
33	Escalation @6%for 2020-21				209743.31
34	Escalation @6%for 2021-22				222327.91
35	Escalation @6%for 2022-23				235667.58
A	Escalation @6%for 2023-24				249807.64
B	Stock, Storage & Insurance @ 3% of A				7494.23
C	Sub Total (C=A+B)				257301.87
D	Contingency @3% of C				7719.06
E	T & P 2% of C				5146.04
F	Transportation @ 7.5% of C				19297.64
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				6723.56
I	Erection Charges of other @ 10%				12283.06
J	Sub Total				308471.22
36	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	1968.24
37	Material cost for Concreting of Joist Pole1.8 Mtrx0.5 Mtr.x0.5 Mtr=0.45 cum(PCC 1:3:6)	No	2	2407.20	4814.40

38	Barbed wire Fencing (size 15'x10') with construction of retaining wall erection of RCC fencing post ,sand filling and metal spreading ,fixing of Iron grill gate etc.	No	1	22420.00	22420.00
	Total Rs.				337,673.86
	LT LINE PART				
1	9 mtr Long 116x100 mm RS Joist pole(23Kg/Mtr.)(SAIL/JINDAL/TAT A MAKE)	No.	8	13455.00	107640.00
2	LT Stay set complete	Set	5	520.00	2600.00
3	7/12 SWG GI stay wire	Kg	50	75.00	3750.00
4	LT stay insulator	No.	5	30.00	550.00
5	LT stay clamp	No.	5	110.00	150.00
6	AB cable(3x50+1x35+1x16) sq. mm	Km	0.3296	140000.00	46144.00
7	Pole clamp with I hook(ABC)	Pair	8	200.00	1600.00
8	Suspension clamp with I hook	No.	9	340.00	3060.00
9	Dead end clamp	No.	6	65.00	390.00
10	Piercing connector	No.	3	80.00	240.00
11	Neutral connector	No.	1	40.00	40.00
12	GI nut,bolt of assorted size	Kg	20	78.00	1560.00
13	Earthing coil each 5th pole to earth	No	8	166.00	1328.00
14	Sundries	Ls	1	2000	2000.00
15	Total Rs.				171052.00
16	Escalation @6%for 2019-20				181315.12
17	Escalation @6%for 2020-21				192194.03
18	Escalation @6%for 2021-22				203725.67
19	Escalation @6%for 2022-23				215949.21
A	Escalation @6%for 2023-24				228906.16
B	Stock, Storage & Insurance @ 3% of A				6867.18
C	Sub Total (C=A+B)				235773.35
D	Contingency @3% of C				7073.20
E	T & P 2% of C				4715.47
F	Transportation @ 7.5% of C				17683.00
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				7418.40
I	Erection Charges of other @ 10%				8740.53
J	Sub Total				281403.94

20	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)	No	6	965.00	5693.50
21	Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6)	No	9	2040.00	19257.60
	Total Rs.				306355.04
	Sub Total Rs.				1,331,071.80
	Cess @1%				13,310.72
	Total Estimated Cost				1,344,382.52
	Total Estimated Cost in Figures				1,344,383.00
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/-
DM (Elect) I/C**

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