

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 PATNA FIRE STATION IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 63/PM/ELECT/OPHWC/2023-24

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 3 wire 11 KV line using 100 sq. mm Insulated Conductor-0.3 Km .				
1	9 mtr GI Joist pole(116x100)mm	No.	9	20655.00	185895.00
2	11 mtr RS Joist pole(150x150)mm	No.	1	24739.00	24739.00
3	13 mtr RS Joist pole(150x150)mm	No.	2	29237.00	58474.00
4	11 KV 1 core 100 sq. mm XLPE Insulated AAA Conductor	Km	0.8	90000.00	72000.00
5	3x50+1x35+1x16mm ² AB cable	Mtr.	240	140.00	33600.00
6	11 KV T&C Hardware (45KN)	set	35	130.00	4550.00
7	Disc insulator(T&C)45 KN	No	42	860.00	36120.00
8	11 KV Pin Insulator porcelain	No.	18	200.00	3600.00
9	All Binding wire	Kg	50	420.00	21000.00
10	Earthing of support coil type	No	12	166.00	1992.00
11	Anticlimbing device made of GI barbed wire	Kg	12	200.00	2400.00
12	100x50x6 mm MS Channel	Kg	30	65.00	1950.00
13	75x40x6 mm MS Channel	Kg	30	65.00	1950.00
14	50x50x6 mm MS Angle	Kg	30	65.00	1950.00
15	Red Oxide paint	Ltr	5	150.00	750.00
16	All. Paint	Ltr	5	200.00	1000.00
17	Black Paint	Ltr	5	220.00	1100.00
18	11 K.V. V cross arm	No.	2	810.00	1620.00
19	11 KV F clamp	No.	2	240.00	480.00
20	Ms Back clamp for V Cross Arm	No.	2	80.00	160.00
21	Pole clamp with I hook(ABC)	Pair	8	200.00	1600.00
22	LT stay set	Set	3	520.00	1560.00
23	7/12 GI stay wire	Kg	3	75.00	225.00
24	LT stay insulator	No.	3	110.00	330.00
25	LT stay clamp	No.	3	30.00	90.00
26	Dead end clamp	No.	5	65.00	325.00
27	Suspension clamp with I hook	No.	5	340.00	1700.00
28	HT stay set complete	Pair	4	1050.00	4200.00
29	HT Stay Insulator	No.	4	50.00	200.00
30	HT stay clamp	Pair	4	125.00	500.00

31	50x6 mm GI Flat for neutral earthing	Kg	65	75.00	4875.00
32	25x6 mm GI flat for earthing	Kg	75	75.00	5625.00
33	7/10 SWG Stay wire	Kg	150	75.00	11250.00
34	GI nut,bolt & washer	Kg	15	78.00	1170.00
35	Material cost for Concreting of RS Joist Pole 1.0 Mtrx 0.5Mtrx0.5 mtr= 0.45 cum(pcc 1:2:4)	No	12	2215.00	26580.00
36	Material cost for Concreting of stay / stud 1.65 Mtrx 0.3Mtrx0.3 mtr= 0.1485 cum(pcc 1:2:4)	No	5	965.00	4825.00
37	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	1	5000.00	5000.00
38	TOTAL MATERIAL COST				525385.00
39	Escalation @6%for 2019-20				556908.10
40	Escalation @6%for 2020-21				590322.59
41	Escalation @6%for 2021-22				625741.94
42	Escalation @6%for 2022-23				663286.46
A	Escalation @6%for 2023-24				703083.65
B	Stock, Storage & Insurance @ 3% of A				21092.51
C	Sub Total (C=A+B)				724176.15
D	Contingency @3% of C				21725.28
E	T & P 2% of C				14483.52
F	Transportation @ 7.5% of C				54313.21
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				18546.55
I	Erection Charges of other @ 10%				35324.51
J	Sub Total				868569.23
SCOPE [B]	Installation of 63 KVA 11/0.4KV (BIS energy Level-II) sub station .	NO	1		
1	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	65	65.00	4225
2	Transformer mounting channel 100x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	65	65.00	4225
3	AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 2 nos(4.5 k.g per mtr)	Kg	65	65.00	4225
4	Transformer belting angle 50x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	55	65.00	3575
5	Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr)	Kg	55	65.00	3575
6	3Pole 11KV 200A AB switch	set	1	7350.00	7350
7	3Pole 11KV 200A HG Fuse	set	1	6120.00	6120
8	11 KV LA12 KV-10 KA	No	3	3550.00	10650
9	HT stay set complete	Set	2	1050.00	2100

10	HT Stay clamp	Pair	2	125.00	250
11	HT Stay Insulator	No.	2	50.00	100
12	7/10 SWG Stay wire	Kg	40	75.00	3000
13	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	5	1050.00	5250
14	No. 6 GI wire	Kg	55	75.00	4125
15	25x5 mm GI Flat for neutral earthing	Kg	59	75.00	4425
16	11 KV 1 core 100 sq. mm XLPE Insulated AAA Conductor	Km	0.05	90000.00	4500.00
17	Red Oxide paint	Ltr	5	150.00	750
18	All. Paint	Ltr	5	200.00	1000
19	Black Paint	Ltr	5	220.00	1100
20	MS Nut, Bolt & washer	Kg	15	78.00	1170
21	63 KVA 11/0.4 KV Transformer(BIS energy Level-II)	No.	1	86500.00	86500
22	LT distribution Box including kit-kat fuse with MCCB for 63 KVA Transformer	No.	1	18322.00	18322
23	185 sq. mm 3.5 core PVC Cable	Mtr.	35	635.00	22225
24	All. Cable socket of 185 sq. mm	No	45	35.00	1575
25	Material cost for concreting of stay 1.65 Mtr.x0.3 Mtr.x0.3 mtr.=0.1485cum(PCC 1:2:4)	No.	2	965.00	1930
26	Earthing materials	Ls	5	1890.00	9450
27	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	5000.00	5000
28	TOTAL MATERIAL COST				216717.00
29	Escalation @6%for 2019-20				229720.02
30	Escalation @6%for 2020-21				243503.22
31	Escalation @6%for 2021-22				258113.41
32	Escalation @6%for 2022-23				273600.22
A	Escalation @6%for 2023-24				290016.23
B	Stock, Storage & Insurance @ 3% of A				8700.49
C	Sub Total (C=A+B)				298716.72
D	Contingency @3% of C				8961.50
E	T & P 2% of C				5974.33
F	Transportation @ 7.5% of C				22403.75
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				5961.46
I	Erection Charges of other @ 10%				17948.75
J	Sub Total				359966.52
K	Transportation + Labour cost of Dismatled materials				6,564.00
	Total Rs.				12,35,099.75
	Cess @1%				12,351.00
	Total Estimated Cost				12,47,450.75

	Total Estimated Cost in Figures				12,47,451.00
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/-
Asst. Project Manager (Elect) (Hqr)**

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