

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
Ph: 0674-2541545, 2542921, Fax: 0674-2541543
E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

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 BASUDEVPUR FIRE STATION IN THE DISTRICT OF BHADRAK.

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 - 0.01 Km. 11 KV LINE AB Switch-1 No.				
SCOPE [B]	Installation of 63 KVA 11/0.4KV (BIS energy Level-II) sub station -1 No.				
SCOPE [C]	Construction of 3 Ph 5W LT Line-0.3 Km				
SCOPE [D]	Dismantling of 25 KVA 11/0.4 KV S/S-1 No.				
1	9 mtr RS Joist pole(125x75)mm(13 Kg/Mtr.)	No.	8	7605.00	60840.00
2	11 mtr RS Joist pole(150x150)mm(34.6 Kg/Mtr.)	No.	4	24739.00	98956.00
3	11 KV Pin Insulator porcelain(Polymer)	No.	8	200.00	1600.00
4	11 KV B&S Hardware (70KN),3 Bolted	set	12	350.00	4200.00
5	Disc insulator(B&S)70 KN,polymer	No	12	1150.00	13800.00
6	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	152.82	65.00	9933.3
7	Transformer mounting channel 100x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	65.00	3348.8
8	AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 2 nos(4.5 k.g per mtr)	Kg	161.84	65.00	10519.6
9	Transformer belting angle 50x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	94.716	65.00	6156.54
10	Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr)	Kg	23.52	65.00	1528.8
11	Fish Plate -50x6 mm -2.36Kg/ mtrs each 0.280 mtr. Length, 6 Nos. required	Kg	11.88	75.00	891

12	3Pole 11KV 200A AB switch	set	1	7350.00	7350
13	3Pole 11KV 400A AB switch	set	1	11850.00	11850
14	3Pole 11KV 200A HG Fuse	set	1	6120.00	6120
15	11 KV LA 9 KV-5 KA	No	3	980.00	2940
16	11 KV LA 9 KV-10 KA	No	3	1000.00	3000
17	HT stay set complete	Set	3	1050.00	3150
18	HT Stay clamp	Pair	3	125.00	375
19	HT Stay Insulator	No.	3	50.00	150
20	7/10 SWG Stay wire	Kg	30	75.00	2250
21	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	7	1050.00	7350
22	Material for masonry work for earthpit, charcoal, salt etc. including construction of earth chamber(size 2"x2") and RCC slab Cover	Ls	7	1600.00	11200
23	No. 6/8 GI wire	Kg	11.406	75.00	855.45
24	25x5 mm GI Flat for neutral earthing	Kg	42	75.00	3150
25	55 sq. mm Insulated conductor	Km	0.018	75920.14	1366.56252
26	11 KV 1 core 100 sq. mm XLPE Insulated AAA Conductor	Km	0.0309	90000.00	2781.00
27	Earthing of support coil type	No	1	166.00	166.00
28	Anticlimbing device made of GI barbed wire with clamping arrangement(2 Kg. per support)	Kg	9	80.00	720.00
29	PG Clamp for 100 sq. mm AAA conductor	No	12	580.00	6960.00
30	Red Paint	Ltr	8	150.00	1200.00
31	All. Paint	Ltr	8	200.00	1600
32	Black Paint	Ltr	2	220.00	440
33	GI nut,bolt & washer	Kg	31	78.00	2418.00
34	63 KVA 11/0.4 KV Transformer(BIS energy Level-II)	No.	1	86500.00	86500
35	LT distribution Box including kit-kat fuse with MCCB for 63 KVA Transformer	No.	1	18322.00	18322
36	185 sq. mm 3.5 core PVC Cable	Mtr.	30	635.00	19050
37	All. Cable socket of 185 sq. mm	No	12	35.00	420
38	3x50+1x35+1x16mm2 AB cable	Km	0.3	140000.00	42000.00
39	LT stay set	Set	4	520.00	2080.00
40	7/12 SWG GI stay wire	Kg	40	75.00	3000.00
41	LT stay insulator	No.	4	110.00	440.00
42	LT stay clamp	No.	4	30.00	120.00
43	Dead end clamp	No.	4	65.00	260.00
44	Suspension clamp with I hook	No.	8	340.00	2720.00
45	Pole clamp with I hook(ABC)	Ltr	10	200.00	2000.00
46	Piercing connector	Ltr	30	80.00	2400.00
47	Neutral connector	Ltr	10	40.00	400.00
48	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	2	3000.00	6000.00
49	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000.00	2000
50	TOTAL MATERIAL COST				476878.05

51	Escalation @6%for 2019-20				505490.74
52	Escalation @6%for 2020-21				535820.18
53	Escalation @6%for 2021-22				567969.39
54	Escalation @6%for 2022-23				602047.55
A	Escalation @6%for 2023-24				638170.41
B	Stock, Storage & Insurance @ 3% of A				19145.11
C	Sub Total (C=A+B)				657315.52
D	Contingency @3% of C				19719.47
E	T & P 2% of C				13146.31
F	Transportation @ 7.5% of C				49298.66
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				16974.38
I	Erection Charges of other @ 10%				31782.79
J	Sub Total				788237.13
K	Transportation + Labour cost of Dismatled materials(as per Estimate)				8,890.00
	Total Rs.				7,97,127.13
	Salvage Value of Dismantled material				7,079.20
	Total Cost				7,90,047.93
34	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
35	Material cost for Concreting of Joist Pole2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	12	2558.40	30700.80
36	Substation Brick Boundary wall with 1 Mtr. Gate and metal spreading	No	1	70000.00	70000.00
	Total Estimated Cost				897503.73
	Total Estimated Cost in Figures				8,97,504.00
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.)**