

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 :-02 AS PER IFB

NAME OF THE WORK :- SHIFTING OF 11 KV LINE & LT LINE AND CONSTRUCTION OF NEW LINE AND S/S FOR POWER SUPPLY TO BASUDEVPUR BUS STAND IN THE DIST. OF BHADRAK.

BID REF NO :- 46/PM/ELECT/OPHWC/2022-23

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

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 AAAC-1.0 Km				
SCOPE [B]	Construction of 100 KVA ,11/0.4 KV Plinth mounted S/S-1 No.				
SCOPE [C]	Construction of DP, TP & 4P structure on 11 KV Line with 11 Mtr. , 13 Mtr., Joist Pole-9 Nos.				
SCOPE [D]	Construction of 3 ph 5 wire LT line with (4x95+1x95+1x16) sq.mm AB cable-0.5 km				
SCOPE [E]	Shifting of 250 KVA S/S-1 No.				
SCOPE [F]	Dismatalling of 11 KV Line with 100 Sq. mm Conductor-0.4 Km & with 55 sq. mm 11 KV Line-0.7 Km & LT Line-0.2 Km				
SCOPE [G]	Road Crossing -2 Nos.				
1	13 mtr Joist pole(150x150)mm	No.	17	29237.00	497029.00
2	11 mtr Joist pole(150x150)mm	No.	12	24739.00	296868.00
3	11 K.V. V cross arm(10.2 Kg each)	No.	6	810.00	4860.00
4	Ms Back clamp	No.	6	80.00	480.00
5	11 KV F clamp (2.9 Kg each)	No.	10	240.00	2400.00
6	11 KV Pin Insulator polymer	No.	90	200.00	18000.00
7	11 KV B&S Hardware 70 KN 3 bolted	set	84	350.00	29400.00
8	Disc insulator B&S 70 KN Polymer	No	84	1150.00	96600.00
9	100x50x6 mm MS Channel	Kg	721.27	65.00	46882.55
10	75x40x6 mm MS Channel	Kg	990.07	65.00	64354.55
11	50x50x6 mm MS Angle	Kg	655.195	65.00	42587.68

12	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg	66	75.00	4950.00
13	18 mm GI stay	No	20	1050.00	21000.00
14	7/10 SWG Stay wire	Kg	220	75.00	16500.00
15	HT stay Clamp	Pair	20	125.00	2500.00
16	HT Stay Insulator	No.	20	50.00	1000.00
17	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	11	1050.00	11550.00
18	Earthing with materials	No.	11	1890.00	20790.00
19	25x6 mm GI Flat	Kg	158.4	75.00	11880.00
20	Anticlimbing device made of GI Barbed wire , clamping arrangement	Kg	72.5	80.00	5800.00
21	GI nut,bolt & washer	Kg	146.2	78.00	11403.60
22	100 sq. mm AAAC	Km	3.09	55000.00	169950.00
23	PG Clamp for 100 sq.mm AAA conductor	No.	84	580.00	48720.00
24	Guarding for Road crossing	Ls	2	11031.00	22062.00
25	Red Oxide paint	Ltr	29	150.00	4350.00
26	All. Paint	Ltr	58	200.00	11600.00
27	Black Paint	Ltr	43.5	220.00	9570.00
28	Sundries for survey, pvc tape, ampere Tape, Danger Board,small size Nut & Bolt with washer ,Allm. Binding tape,Danger Board etc.	No.	1	3000.00	3000.00
29	TOTAL MATERIAL COST				1476087.38
30	Escalation @6%for 2019-20				1564652.62
31	Escalation @6%for 2020-21				1658531.77
32	Escalation @6%for 2021-22				1758043.68
A	Escalation @6%for 2022-23				1863526.30
B	Stock, Storage & Insurance @ 3% of A				55905.79
C	Sub Total (C=A+B)				1919432.09
D	Contingency @3% of C				57582.96
E	T & P 2% of C				38388.64
F	Transportation @ 7.5% of C				143957.41
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				51617.25
I	Erection Charges of other @ 10%				88708.92
J	Sub Total				2299687.27
	Dismantaling (Labour+Transportation)	Ls	1	46580.87	46580.87
	Total Rs.				2346268.14
33	Concreting of 13 Mtr. joist pole (1.8 Mtr.x.5Mtr.x.5Mtr.=0.45 cum- PCC-1:2:4)	No.	17	2558.00	43486.00

34	Concreting of 11 Mtr. joist pole (1.8 Mtr.x.5Mtr.x.5Mtr.=0.45 cum- PCC-1:2:4)	No.	12	2215.00	26580.00
35	Concreting of stay (1.65 Mtr.x.3Mtr.x.3Mtr.=0.1485 cum-PCC-1:2:4)	No.	20	965.00	19300.00
					89366.00
	Total Rs.				2435634.14
	LT LINE PART				
1	4x95+1x95+1x16 sqmm XLPE AB cable	Mtr	500.00	421.67	210835.00
2	4 way Service Distribution Box with Kit Kat Fuse and Aluminium Bus Bar	No.	6	2210.00	13260.00
3	Dead End Clamp	Set	6	65.00	390.00
4	Suspension clamp with eye Hook	No.	3	340.00	1020.00
5	Pole Clamp for Eye Hook (AB Cable)	No	9	200.00	1800.00
6	LT stay set complete	No	4	520.00	2080.00
7	LT Stay Insulator	No.	4	30.00	120.00
8	7/10 SWG GI Stay wire	Kg	40	75.00	3000.00
9	Insulated Piercing connector Type-A	No.	81	80.00	6480.00
10	Insulated Piercing connector Type-B	No.	9	40.00	360.00
11	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	No.	1	3000.00	3000.00
12	TOTAL MATERIAL COST				242345.00
13	Escalation @6%for 2019-20				256885.70
14	Escalation @6%for 2020-21				272298.84
15	Escalation @6%for 2021-22				288636.77
A	Escalation @6%for 2022-23				305954.98
B	Stock, Storage & Insurance @ 3% of A				9178.65
C	Sub Total (C=A+B)				315133.63
D	Contingency @3% of C				9454.01
E	T & P 2% of C				6302.67
F	Transportation @ 7.5% of C				23635.02
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				0.00
I	Erection Charges of other @ 10%				31513.36
J	Sub Total				386038.69
16	Concreting of stay (1.65 Mtr.x.3Mtr.x.3Mtr.=0.1485 cum-PCC-1:2:4)	No.	4	965.00	3860.00

					389898.69
PART-II	SUB-STATION PART				
1	13 mtr Joist pole(150x150)mm	No.	4	29237.00	116948.00
2	100 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	117000.00	117000.00
3	100x50x6 mm MS Channel	Kg	103.04	65.00	6697.60
4	75x40x6 mm MS Channel	Kg	152.32	65.00	9900.80
5	50x50x6 mm MS Angle	Kg	50.4	65.00	3276.00
6	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg	4	75.00	300.00
7	18 mm GI HT stay set	No	4	1050.00	4200.00
8	7/10 SWG Stay wire	Kg	44	75.00	3300.00
9	HT stay Clamp	Pair	4	125.00	500.00
10	HT Stay Insulator	No.	4	50.00	200.00
11	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	10	1050.00	10500.00
12	25x6 mm GI Flat	Kg	40	75.00	3000.00
13	3Pole 11KV 400A AB switch	set	2	11850.00	23700.00
14	3Pole 11KV 400A HG fuse	set	2	11530.00	23060.00
15	Lightning arrestor	No.	6	3550.00	21300.00
16	100 sq. mm Insulated conductor	Mtr	40	222.75	8910.00
17	LT distribution Box including kit-kat fuse with MCCB for250 KVA Transformer	No.	1	48000.00	48000.00

18	LT distribution Box including kit-kat fuse with MCCB for 100 KVA Transformer	No.	1	24419.00	24419.00
19	3.5 core 240 sq. mm LT PVC Cable(Unarmoured)	Mtr	20	808.00	16160.00
20	All. Cable socket	No.	24	52.00	1248.00
21	GI nut,bolt & washer	Kg	18	78.00	1404.00
22	Red Oxide paint	Ltr	8	150.00	1200.00
23	All. Paint	Ltr	6	200.00	1200.00
24	Black Paint	Ltr	4	220.00	880.00
25	Earthing with materials	No	10	1890.00	18900.00
26	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	No.	1	2000.00	2000.00
27	TOTAL MATERIAL COST				468203.40
28	Escalation @6%for 2019-20				496295.60
29	Escalation @6%for 2020-21				526073.34
30	Escalation @6%for 2021-22				557637.74
A	Escalation @6%for 2022-23				591096.01
B	Stock, Storage & Insurance @ 3% of A				17732.88
C	Sub Total (C=A+B)				608828.89
D	Contingency @3% of C				18264.87
E	T & P 2% of C				12176.58
F	Transportation @ 7.5% of C				45662.17
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				15210.73
I	Erection Charges of other @ 10%				30461.43
J	Sub Total				730604.66
31	Concreting of 13 Mtr. joist pole (1.8 Mtr.x.5Mtr.x.5Mtr.=0.45 cum-PCC-1:2:4)	No.	4	2558.00	10232.00
32	Concreting of stay (1.65 Mtr.x.3Mtr.x.3Mtr.=0.1485 cum-PCC-1:2:4)	No.	4	965.00	3860.00
33	Plinth for DTR	Ls	2	35000.00	70000.00
34	S/S Brick Boundary wall , Fencing of DTR, Gate & metal spreading	Ls	2	80000.00	160000.00
35					974696.66
	Total Rs.				38,00,229.49
	Cess @ 1%				38,002.29
	Total Estimated Cost				38,38,231.79
	Total Estimated Cost in Figures				38,38,232.00
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.)**