

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 :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO ADDITIONAL REVISIONAL COURT BUILDING OF BOARD OF REVENUE AT KALINGA NAGAR IN THE DISTRICT OF JAJPUR.

BID REF NO :- 91/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]	Construction of 3 Ph 3 W 11 KV Line with 100 sq. mm insulated conductor-0.03 Km				
SCOPE [B]	Construction of DP structure for metering unit arrangement-1 No.(with 11 Mtr. Joist Pole)				
SCOPE [C]	Construction of 63 KVA S/S.				
SCOPE [D]	Construction of 3 Ph 5W LT Line with 3x50+1x35+1x16 sq. mm LT AB Cable-0.10 Km.				
SCOPE [E]	Conversion of existing 55 sq. mm AAAC to 100 sq. mm insulated conductor-0.07 Km				
SCOPE [F]	Erection of interposing pole on 11 KV Line and tapping point-2 Nos.				
1	9 mtr Long 300 Kg PSC pole	No.	5	3000.00	15000.00
2	11 mtr Long RS Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	4	24739.00	98956.00
3	11 K.V. V cross arm	No.	2	810.00	1620.00
4	11 KV F clamp	No.	2	240.00	480.00
5	Back clamp for V cross arm	No.	2	80.00	160.00
6	11 KV Pin Insulator polymer	No.	12	200.00	2400.00
7	11 KV T&C Hardware (45KN)	set	18	130.00	2340.00
8	Disc insulator(T&C)45 KN Polymer	No	18	860.00	15480.00
9	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	172	65	11180.00

10	Transformer mounting channel 100x50x6mm 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	52	65	3380.00
11	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	116	65	7540.00
12	Transformer belting Angle 50x50x6mm- 2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	62	65	4030.00
13	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	23	65	1495.00
15	3Pole 11KV 400A AB switch	set	1	11850.00	11850.00
16	3Pole 11KV 400A HG fuse with PI	set	1	11529.66	11529.66
17	Lightning arrester ,12 KV- 10KA	No.	3	3550.00	10650.00
9	HT stay set complete	Pair	5	1050.00	5250.00
10	HT Stay Insulator	No.	5	50.00	250.00
11	HT stay clamp	Pair	5	125.42	625.00
12	7/10 SWG Stay wire	Kg	50	75.42	3750.00
22	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5250.00
21	No.6/8 GI wire(Dia 4.6 mm)	Kg	20	75.00	1500.00
19	25x5 mm GI flat for earthing	Kg	20	75.00	1500.00
23	55 sq. mm 11 KV Insulated conductor	Km	0.04	75920.34	3036.81
	11 KV 1 core 100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.33	90000.00	29700.00
27	Earthing coil type	Ls	5	166.00	830.00
26	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
30	Red Paint	Ltr	3	150.00	450.00
31	All. Paint	Ltr	4	200	800
32	Black Paint	Ltr	0.5	220	110
22	GI nut,bolt & washer	Kg	51	78.00	3978.00
12	63 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	86500.00	86500.00
13	LT distribution Box with MCCB,Aluminium Bus bar of singe- bay with kit-kat fuse for 63 KVA Transformer	No.	1	18322.00	18322.00
14	185 sq. mm 3.5 core cable	Mtr	15	635.00	9525.00
24	All. Cable socket	No.	32	35.00	1120.00
38	3x50+1x35+1x16mm ² AB cable	Km	0.11	140000.00	15400.00
43	Dead end clamp	No.	2	82.06	130.00
44	Suspension clamp with I hook	No.	2	429.24	680.00
45	Pole clamp with I hook(ABC)	Ltr	4	212.00	800.00
46	Piercing connector	Ltr	3	84.80	240.00

47	Neutral connector	Ltr	1	42.40	40.00
39	LT stay set	Set	1	656.49	520.00
40	7/12 SWG GI stay wire	Kg	10	94.69	750.00
41	LT stay insulator	No.	1	138.87	110.00
42	LT stay clamp	No.	1	37.87	30.00
	Earthing materials	Ls	5	1889.83	9449.15
48	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	0.03	3000.00	90.00
49	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1.1	2000	2200
50	TOTAL MATERIAL COST				401346.62
51	Escalation @6%for 2019-20				425427.42
52	Escalation @6%for 2020-21				450953.07
53	Escalation @6%for 2021-22				478010.25
54	Escalation @6%for 2022-23				506690.87
A	Escalation @6%for 2023-24				537092.32
B	Stock, Storage & Insurance @ 3% of A				16112.77
C	Sub Total (C=A+B)				553205.09
D	Contingency @3% of C				16596.15
E	T & P 2% of C				11064.10
F	Transportation @ 7.5% of C				41490.38
G	Erection Charges for PSC Pole @ 20%				4135.12
H	Erection Charges of DTR and Joist Poles @ 5%				12781.37
I	Erection Charges of other @ 10%				27690.21
J	Sub Total				666962.42
K	Transportation + Labour cost of Dismatled materials(as per Estimate)				683.00
	Total Rs.				667,645.42
	Salvage Value of Dismantled material				504.00
	Total Cost				667,141.42
34	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	6	965.00	5790.00
35	Material cost for Concreting of PSC Pole1.80 Mtrx0.45 Mtr.x0.45 Mtr=0.3645 cum(PCC 1:3:6)	No	5	2369.49	12792.00
35	Material cost for Concreting of Joist Pole2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	4	2215.20	10233.60

36	Substation Brick Boundary wall with 1 Mtr. Gate and metal spreading	No	1	35000.00	35000.00
	Transformer Plinth	No	1	19000.00	19000.00
	Total Estimated Cost				749957.02
	Total Estimated Cost in Figures				749,957.00
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/-
Dy. Manager (Elect.) I/C**

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