

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 :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO BARUAN FIRE STATION IN THE DISTRICT OF JAJPUR.

BID REF NO :- 63/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 DP on both side of roads for UG crossing with 11 Mt. Long Joist Pole-02 Nos.				
SCOPE [B]	Laying of 11 kV 3Cx70 sq. mm XLPE UG cable-2x57 Mtrs.-0.114 Km(For 33 kV crossing and NH crossing)(Through HDD method)				
SCOPE [C]	Construction of 11 KV OH line with 55 sq. mm AAAC and 9 Mtr. PSC Pole-0.75 Km				
SCOPE [D]	Construction of stud stay with 9 Mtr. PSC Pole-4 Nos.				
SCOPE [E]	Construction of DP with 11 Mtr. RS Joist Polefor UG crossing-2 Nos.				
SCOPE [F]	Installation of 25 kVA S/S with 11 Mtr. Long RS Joist Pole-1 No.				
SCOPE [G]	Laying of 11 KV 3Cx70 sq. mm XLPE UG cable-0.42 Mtrs-0.084 Km(for 33 KV crossing (through open trench method)				
SCOPE [H]	Construction of 11 Kv OH Line with 55 sq. mm AAAC from DP to Sub-station DP-0.015 Km				
1	9 mtr Long 300 Kg PSC pole(Including transportation cost)	No.	19	3000.00	57000.00
2	11 mtr Long GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	8	28545.00	228360.00
3	11 K.V. V cross arm	No.	15	810.00	12150.00
4	11 KV F clamp	No.	15	240.00	3600.00
5	Back clamp for V cross arm	No.	15	80.00	1200.00
6	11 KV Pin Insulator polymer	No.	45	200.00	9000.00
7	11 KV T&C Hardware (45KN)	set	12	130.00	1560.00
8	Disc insulator(T&C)45 KN Polymer	No	12	860.00	10320.00
9	HT stay set complete	Pair	8	1325.60	8400.00
10	HT Stay Insulator	No.	8	63.12	400.00
11	HT stay clamp	Pair	8	157.81	1000.00
12	7/10 SWG Stay wire	Kg	80	94.69	6000.00

13	55 sq. mm AAAC	Km	2.364	30000.00	70915.50
14	100X50X6mm GI Channel 2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	206.08	75	15456.00
15	75x40x6mm GI angle, 2.8 mtr long (6.8K.g per mtr)with side angle	Kg	152.32	75	11424.00
16	50x50x6 mm GI Angle each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	75.6	75	5670.00
17	Lightning arrestor ,12 KV- 10KA	No.	12	3550.00	42600.00
18	11 KV 3 core 70 sq. mm XLPE cable(armoured)A2XFY	Mtr.	198	482	95436.00
19	Heat shrinkable jointing kit for 11 KV 3 core 70 sq. mm 11 KV XLPE cable(Outdoor type)	No	8	10949	87592.00
20	HDPE Pipe 8",10 Mtr.,(PE80-PN8,200 MM DIA)	Mtr	64	1785	114240.00
21	Cable laying in the cable trench with removable cover	Mtr.	26	833.82	21679.32
22	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	8	1050.00	8400.00
23	Earthing materials	Ls	8	1890.00	15120.00
24	PG clamp for 55 sq. mm AAA conductor	No	12	480.00	5760.00
25	GI nut,bolt & washer	Kg	71.75	78.00	5596.50
26	Earthing support coil type	No	19	166.00	3154.00
27	Danger Plate	No	24	80.00	1920.00
28	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	48	80.00	3840.00
29	Sundries	Ls	1	3000.00	3000.00
30	TOTAL MATERIAL COST				850793.32
31	Escalation @6%for 2019-20				901840.92
32	Escalation @6%for 2020-21				955951.37
33	Escalation @6%for 2021-22				1013308.46
34	Escalation @6%for 2022-23				1074106.96
A	Escalation @6%for 2023-24				1138553.38
B	Stock, Storage & Insurance @ 3% of A				34156.60
C	Sub Total (C=A+B)				1172709.98
D	Contingency @3% of C				35181.30
E	T & P 2% of C				23454.20
F	Transportation @ 7.5% of C				87953.25
G	Erection Charges for PSC Pole @ 20%				15713.45
H	Erection Charges of DTR and Joist Poles @ 5%				15738.26
I	Erection Charges of other @ 10%				77937.76
J	Sub Total				1428688.20
35	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	8	965.00	7720.00
36	Material cost for Concreting of psc Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	19	2369.30	45016.70

37	Material cost for Concreting of Joist Pole 2.46 Mtr x 0.4 Mtr. x 0.4 Mtr = 0.34 cum (PCC 1:3:6)	No	8	2215.20	17721.60
38	SITC including making trenchless ducts with 160 mm dia HDPE pipe casing using HDD machine including supply of HDPE pipe as per IS 4984, PN6 class PE 80 as per IS:4984, This is including laying of cable 11 KV for all type of rating (Double Run)	Mtr	41	3120.00	127920.00
	Total Rs.				1627066.50
	INSTALLATION OF 25 KVA S/S.				
1	11 mtr Long GI Joist pole (34.6 Kg/Mtr.) (SAIL/JINDAL/TATA MAKE)	No.	2	28545.00	57090.00
2	11 KV Pin Insulator polymer	No.	3	200.00	600.00
3	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
4	Disc insulator (T&C) 45 KN Polymer	No	3	860.00	2580.00
5	100X50X6mm GI Channel 2.8mtr. Long 2Nos. (9.2kg/mtr.) x 2 Nos.	Kg.	103.04	75	7728.00
6	75x40x6mm GI angle, 2.8 mtr long (6.8K.g per mtr) with side angle	Kg	76.16	75	5712.00
7	50x50x6 mm GI Angle each 2.8 Mtr. Long (4.5 Kg/Mtr.) with side angle	Kg	50.4	75	3780.00
8	HT stay set complete	Pair	2	1325.60	2100.00
9	HT Stay Insulator	No.	2	63.12	100.00
10	HT stay clamp	Pair	2	157.81	250.00
11	7/10 SWG Stay wire	Kg	20	94.69	1500.00
12	25 KVA 11/0.4 KV Transformer (BIS Energy Level-II)	No.	1	53800.00	53800.00
13	LT distribution Box with MCCB, Aluminium Bus bar of single-bay with kit-kat fuse for 25 KVA Transformer	No.	1	14930.00	14930.00
14	55 sq. mm HT insulated cable for jumpering	Km	0.04	75920.00	3036.80
15	3 Pole 11KV 200A AB switch	set	1	7350.00	7350.00
16	3 Pole 11KV 200A HG fuse	set	1	6120.00	6120.00
17	Lightning arrester, 12 KV- 10KA	No.	3	3550.00	10650.00
18	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5250.00
19	25x6 mm GI flat for earthing	Kg	15	75.00	1125.00
20	50x6 mm GI Flat for neutral earthing	Kg	15	75.00	1125.00
21	No. 6/8 GI wire (Dia 4.6 mm)	Kg	30	75.00	2250.00
22	GI nut, bolt & washer	Kg	25	78.00	1950.00
23	3.5 core 95 sq. mm LT PVC cable (unarmoured)	Mtr	20	333.00	6660.00
24	All. Cable socket	No.	32	52.00	1664.00
25	Danger Plate	No	2	80.00	160.00
26	Aniclimbing device made of GI barbed wire, clamping arrangement etc. (2 Kg per support)	Kg	4	80.00	320.00
27	Earthing materials	Ls	5	1890.00	9450.00

28	Sundries for survey, PVC Tape, Ampire Tape, Danger Board ,small size Nut & Bolt preparation of drawing cable socket etc.	Ls	1	2000.00	2000.00
29	TOTAL MATERIAL COST				209670.80
30	Escalation @6%for 2019-20				222251.05
31	Escalation @6%for 2020-21				235586.11
32	Escalation @6%for 2021-22				249721.28
33	Escalation @6%for 2022-23				264704.55
A	Escalation @6%for 2023-24				280586.83
B	Stock, Storage & Insurance @ 3% of A				8417.60
C	Sub Total (C=A+B)				289004.43
D	Contingency @3% of C				8670.13
E	T & P 2% of C				5780.09
F	Transportation @ 7.5% of C				21675.33
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				7642.39
I	Erection Charges of other @ 10%				13615.67
J	Sub Total				346388.05
34	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.00	1930.00
35	Material cost for Concreting of Joist Pole2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	2215.20	4430.40
36	Barbed fencing with Grill gate, Metal & sand.	No	1	35000.00	35000.00
	Sub total Rs.				387748.45
	Total Rs.				20,14,814.95
	Cess @1%				20,148.15
	Total Estimated Cost				20,34,963.10
	Total Estimated Cost in Figures				20,34,963.00
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.)