

**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 :- 21 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO KUJANGA POLICE STATION BUILDING IN THE DISTRICT OF JAGATSINGHPUR.

BID REF NO :- 04/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE OF LENGTH 0.01 KM .				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	22.94	76.00	1743.44
2	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	5.2884	97.50	515.62
3	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	5.85072	76.00	444.65
4	11 KV pin insulator polymer	Set	4	260.00	1040.00
5	H W fitting(B&S) 70KN, 3Bolt	No.	3	455.00	1365.00
6	Disc insulator (B&S) 70 KN polymer	No.	3	1495.00	4485.00
7	PG Clamp for 55 sq. mm AAAC	No	3	624.00	1872.00
8	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	101.40	753.71
9	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	1	162.50	162.50
10	HT Stay Set (Complete)	Set	1	1365.00	1365.00
11	HT Stay Insulator	No.	1	65.00	65.00
12	7/10 SWG Stay Wire , 15 Kg/stay	KG	15	97.50	1462.50
A	A. Sub total				15,274.42
B	B. Stock, Storage & Insurance @ 3% of A				458.23
C	Sub Total (C=A+B)				15,732.65
D	T&P @ 2% of C				251.72
E	Contingency @ 3% of C				471.98
F	Transportation @ 7.5% of C				1,179.95
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				1,258.61
H	Total				18,894.91

13	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts, including excavation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL standard and specification.	No	1	2250.00	2250.00
	Total Material + Services Cost (J+K)				21,144.91
B	11 KV PIN POINTS WITH WPB				
1	55 sq. mm AAAC	Km	0.0309	39000.00	1205.10
A	A. Sub total				1,205.10
B	B. Stock, Storage & Insurance @ 3% of A				36.15
C	Sub Total (C=A+B)				1,241.25
D	T&P @ 2% of C				24.83
E	Contingency @ 3% of C				37.24
F	Transportation @ 7.5% of C				93.09
	Erection Charges @ 5% on poles				
G	Erection Charges @ 10%				124.13
H	Total				1,520.53
III	INSTALLATION OF 63 KVA S/S.				
1	PSC POLE 9 Mtr. Long 300 KG(For DSS DP)	No	2	3900.00	7800.00
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	1	3900.00	3900.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	260.00	520.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	78.00	156.00
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	2	84.50	169.00
6	Pole clamp	No	14	104.00	1,456.00
7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	76.00	4359.36
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
9	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	0	76.00	0.00
10	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
11	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	76.00	508.44
12	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	76.00	434.04
13	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
14	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	76.00	879.32
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
16	Transformer base GI channel 100x50x6 mm channel(3000 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg		76.00	0.00

17	Transformer base support channel 100x50x6 mm GI channel(515 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg		76.00	0.00
18	Transformer Belting angle 50x50x6 mm GI (3000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg		76.00	0.00
19	Transformer Belting Support angle 50x50x6 mm GI 580 mm Long)(4.5 kg/mtr,2 Nos.)	Kg		76.00	0.00
20	LT DB mounting angle 50x50x6 mm GI (1000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	9	76.00	684.00
21	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.81	97.50	15093.98
22	25 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	69940.00	69940.00
23	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	19409.00	19409.00
24	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
25	4Cx35 sq. mm LT XLPE cable	Mtr	15	213.38	3200.70
26	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
27	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
28	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
29	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
30	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
31	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
32	11 KV Pin Insulator polymer type	No	3	260.00	780.00
33	HT Stay Set (Complete)	Set	2	1365.00	2730.00
34	HT Stay Insulator	No.	2	65.00	130.00
35	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	162.50	325.00
36	7/10 SWG Stay Wire	KG	30	97.50	2925.00
37	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
38	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
39	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
40	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
41	Danger plate	Kg	2	104.00	208.00
42	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
43	Name Plate	No	1	104.00	104.00
	Structure Numbering and marking				
44	Yellow colour paint for Background	Ltr	2	216.00	432.00
45	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				2,00,924.50
B	B. Stock, Storage & Insurance @ 3% of A				6,027.73
C	Sub Total (C=A+B)				2,06,952.23
D	T&P @ 2% of C				3,750.42
E	Contingency @ 3% of C				6,208.57
F	Transportation @ 7.5% of C				15,521.42
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,601.91
H	Erection Charges @ 20% on PSC Poles				2,410.20
I	Erection Charges @ 10% for other materials				10,343.18
J	Total				2,48,787.93

46	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	1.125	6500.00	7,312.50
47	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2250.00	4,500.00
48	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3700.00	25,900.00
49	Laying of 4Cx35 sq.mm LT XLPE cable	Mtr.	15	46.80	702.00
50	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
51	DTR Plinth	No	1	25000.00	25,000.00
					1,17,414.50
				Sub total Rs	3,66,202.43
IV	Construction of LT Line using 4Cx25 sq. mm Armoured aluminium cable- XLPE insulated - -0.09 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	3	3900.00	11,700.00
2	LT stay set complete	Set	1	676.00	676.00
3	7/12 SWG GI stay wire, Grade-2	Kg	12	97.50	1,170.00
4	LT stay clamp	Pair	1	143.00	143.00
5	LT stay set Insulator	No	1	39.00	39.00
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	4	260.00	1,040.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	4	78.00	312.00
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	2	84.50	169.00
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	2	442.00	884.00
10	4Cx25 sq. mm Armoured aluminium cable- XLPE insulated	Mtr	94.5	159.61	15,083.15
11	4 way service Distribution Box with kitkat fuse and aluminium Busbar	No	1	2873.00	2,873.00
12	GI Pipe for earthing (each 5th pole to earth)	No	1	1365.00	1,365.00
13	Coil Earthing	No	2	215.80	431.60
14	No-8 GI wire (Dia-4.6mm)	Kg	0.786	97.50	76.64
15	Danger plate (LT)	No	3	104.00	312.00
16	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.9	97.5	87.75
17	GI barbed wire/Anticlimbing device 3 kg per support	Kg	9	104	936.00
18	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	3.61	97.5	351.98
19	GI Nut, Bolt & washers of different sizes	Kg	1.5	101.40	152.10
20	Yellow colour paint for Background	Ltr	6	216.00	1,296.00
21	Black colour paint for numbering	Ltr	3	286.00	858.00
A				A. Sub total	39,956.21
B				Stock, Storage & Insurance @ 3% of A	1,198.69
C				Sub Total (C=A+B)	41,154.89

D		Contingency @3% of C			1,234.65
E		T & P 2% of C			753.21
F		Transportation @ 7.5% of C			3,086.62
G		Erection Charges for PSC Pole @ 20%			2,410.20
H		Erection Charges of DTR and Joist Poles @ 5%			
I		Erection Charges of other @ 10%			2,560.95
J		Sub Total Rs.			51,200.51
Civil and Services Works (As per Technical Specification)					
22	Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod & stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts & Bolts,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	1	2250	2250
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	1.125	6500.00	7,312.50
24	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	1	3700.00	3,700.00
K	Total Services Cost				13,262.50
	Total Material + Services Cost (J+K)				64,463.01
	Total Rs.				4,53,330.89
	Cess @ 1%				4533.31
	Total Estimated Cost				457864.20
	Total Estimated Cost in Figures				4,57,864.00
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/-
Project Manager(Elect.)

Sd/-
DM (Elect) I/C