

**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 :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO NEW DISTRICT & SESSION JUDGE COURT BUILDING AT MALKANGIRI IN THE DISTRICT OF MALKANGIRI.

BID REF NO :- 54/JM/ELECT/OPHWC/2020-21

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

SL.NO	DESCRIPTION OF WORK	UNIT	QNTY	ESTIMATED COST	
				RATE IN (RS)	AMOUNT IN (RS)
SCOPE-A	Construction of 3 ph 3 wire 11 KV line using 11 mtr. Long 150x150mm RS Joist Pole & 80 mm² AAAC -0.15 Km				
1	11 kv GI V cross Arm	No.	2	810.00	1,620.00
2	Back clamp for V cross arm	No	2	80.00	160.00
3	11KV F Clamp	No.	2	240.00	480.00
4	11 KV Disc insulator (B & S) Polymer 45KN	No.	6	860.00	5,160.00
5	11 KV Hard wire fittings (B & S)45KN	No.	6	260.00	1,560.00
6	11 KV Pin insulator Porcelain	No	9	80.00	720.00
7	11 KV GI Pin	No	9	80.00	720.00
8	HT Stay Set complete	Set	3	1050.00	3,150.00
9	HT stay insulator	No.	3	50.00	150.00
10	Stay Clamp	Pair	3	125.00	375.00
11	7/10 SWG GI Saty wire	Kg	30	75.00	2,250.00
12	Earthing coil	No.	3	166.00	498.00
13	GI Base plate (500x500x10 mm) for PSC Pole	No.	3	1500.00	4,500.00
14	Cement Cocncreting of stay Anchor plate C.C 1:3:6 size by using 4 cm size hard granite metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	3	1270.00	3,810.00
15	Cocncreting of support C.C 1:3:6 using 40 mm HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum.@4158.84=0.3037x4158.84=1263.03 or 1270.00	No.	3	1460.00	4,380.00
16	MS Nut,Bolt & Washers	Kg	5	71.00	355.00

17	Sundries (Paint,Danger Board,Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories etc)	LS	1	1000.00	1,000.00
18	100X50X6mm for straight Cross Arm 1.2 mtr each 4 nos &0.2 mtr long 4 Nos@9.2 Kg/mtr	Kg.	51.52	65.00	3,348.80
19	11 mtr long 150x150 mm RS Joist Pole @34.6 Kg/mtr(Each 336.6 Kg)	No	3	24739.00	74,217.00
20	80 sq. mm AAA conductor(incl 3% sag)	Km	0.4635	43000.00	19,930.50
21	Channel 75x40x6mm. Channel 2.21mtr. Long 2Nos. For providing support for guarding across road crossing (6.8kg./mtr.).	Kg.	34.136	65.00	2,218.84
22	No-6 G.I wire (Dia 4.8mm)40Kg for guarding & 20 Kg for providing support for guarding across road crossing @ 6.8 Kg/mtr	Kg.	60	75.00	4,500.00
23	40 mm nominal bore G.I Pipe (medium gauge)earthing device with 3 mtr long	No.	2	1050.00	2,100.00
24	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	2	1600.00	3,200.00
	Total				140,403.14
SCOPE-B	Construction of DP Structure with laying of 11KV XLPE Cable				
1	11 mtr long 150x150 mm RS Joist Pole @34.6 Kg/mtr(Each 336.6 Kg)	No	2	24739.00	49,478.00
2	GI Base plate (500x500x10 mm) for PSC Pole	No.	2	1500.00	3,000.00
3	Earthing coil	No.	2	166.00	332.00
4	2.8 mtr long 100X50X6mm MS Channel 2 nos for top channel@9.2 Kg/mtr	Kg.	51.52	65.00	3,348.80
5	2.8 mtr long 75X50X6mm MS Channel 4 nos for providing support for cross bracing at bottom of DP @4.5 Kg/mtr cable support 2Nos	Kg.	114.24	65.00	7,425.60
6	3.5 mtr long 50X50X6mm MS Angle 2nos for providing cross bracing at bottom of DP @4.5 Kg/mtr	Kg.	31.5	65.00	2,047.50
7	12KV 10KA LA	No.	3	1000.00	3,000.00
8	HT Stay Set complete	Set	4	1050.00	4,200.00
9	HT stay insulator	No.	4	50.00	200.00
10	Stay Clamp	Pair	4	125.00	500.00
11	7/10 SWG GI Saty wire	Kg	40	75.00	3,000.00

12	Cement Concreting of stay Anchor plate C.C 1:3:6 size by using 4 cm size hard granite metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	4	1270.00	5,080.00
13	Cocncreting of support C.C 1:3:6 using 40 mm HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum.@4158.84=0.3037x4158.84=1263.03 or 1270.00	No.	2	1460.00	2,920.00
14	25x4 GI Flat for Earthing	Kg	50	75.00	3,750.00
15	GI Pipe earthing 40 mm Dia Medium gauge 2.5 mtrs long	No.	4	1050.00	4,200.00
16	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	4	1600.00	6,400.00
17	GI Nut,Bolt & Washers	Kg	8	78.00	624.00
18	11 KV 3Cx70mm2 XLPE AB Cable	Mtr.	185.4	482.00	89,362.80
19	Heat Shrinkable Jointing kit for 11 KV 3Cx70mm2 XLPE AB Cable (out door type)(with spare)	No.	12	10949.00	131,388.00
20	Housing arrangement for Meatering Cubicle (8x8x12)	No.	1	55479.00	55,479.00
	Total				375,735.70
SCOPE-C	Installation of 250KVA 11/0.4KV sub station using 11mtr long 150x150mm RS Joist Pole - 1 No.				
1	11 mtr long 150x150 mm RS Joist Pole @34.6 Kg/mtr(Each 336.6 Kg)	No	2	24739.00	49,478.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos .	Kg.	51.52	65.00	3,348.80
3	Channel 100X50X6mm.2.8mtr. Long 2Nos for mounting of transformer on plinth.	Kg.	51.52	65.00	3,348.80
4	AB switch & H.G fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.).	Kg.	76.16	65.00	4,950.40
5	Angel for mounting L.T Distribution box 50x50x6mm(4.5 Kg/Mtr).	Kg.	36	65.00	2,340.00
6	11 KV Disc insulator (B & S)Polymer 45KN	No.	3	860.00	2,580.00
7	11 KV Hard ware fittings (B & S)Polymer 45KN	No.	3	260.00	780.00
8	11KV AB switch 3 pole(400 Amp)	Set	1	11850.00	11,850.00
9	11KV HG fuse 3 pole(400 Amp)	Set	1	11530.00	11,530.00
10	12KV 10KA LA	No.	3	1000.00	3,000.00
11	LT distribution Box including kit-kat fuse with MCCB for 250 KVA Transformer	No.	1	48000	48,000.00
12	LT 3 1/2 Core 300 sq. mm PVC Cable (un-Armoured)	Mtr.	15	994.00	14,910.00
13	HT stay set (Complete)	No.	2	1050.00	2,100.00

14	11 KV stay Insulator	No.	2	50.00	100.00
15	Stay Clamp	Pair	2	125.00	250.00
16	7/10 SWG GI Saty wire	Kg	20	75.00	1,500.00
17	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	5	1050.00	5,250.00
18	Earthing coil	No.	2	166.00	332.00
19	25x6 GI Flat	Kg	54	75.00	4,050.00
20	Concrete material for stay anchor plate with CC foundation 1:3:6 size using 40mm BHG metal+couping	Nos.	2	1270.00	2,540.00
21	Pading and concreting materials for support + couping	Nos.	2	1460.00	2,920.00
22	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	5	1600.00	8,000.00
23	GI Base plate (500x500x10 mm) for PSC Pole	No.	2	1500.00	3,000.00
24	MS Nuts , Bolts and washers	Kg	30	71.00	2,130.00
25	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	2000.00	2,000.00
26	sand and metal Spreading	LS	1	1254.00	1,254.00
27	250KVA 11/0.4 Kv,Transformer with tap changer (BIS EEL-2 Star-1 rated)	No.	1	268450.00	268,450.00
28	Plinth for installation of 250 KVA Transformer (Approx)	LS	1	15000.00	15,000.00
29	Boundary wall for substation with Grill Gate & Locking arrangement	LS	1	20000.00	20,000.00
	Total				494,992.00
	Total cost for 2 Nos 250 KVA Sub-station				989,984.00
SCOPE-D	Construction of 3 Ph 5 W LT Line with 3x95+1x70+1x16 sq.mm AB Cable over 9 Mtr. Long 116x100 RS Joist pole				
1	L.T Stay set	Set	1	520.00	520.00
2	7/12 SWG Stay Wire	Kg	7	75.00	525.00
3	Concreting of stay	Nos.	1	1270.00	1,270.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	110.00	110.00
5	L.T Stay Insulator	No.	1	30.00	30.00
6	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	1960.00	1,960.00
	3x95+1x70+1x16 sq.mm AB Cable	Km	0.17	243000.00	41,310.00
7	Dead end clamp With I hook	No.	8	65.00	520.00
8	Pole clamp	Pair	8	200.00	1,600.00
8	Eye hook	No	8	60.00	480.00
9	MS Nut,Bolt & Washers	Kg	5	71.00	355.00

10	9 mtr long 116x100 mm RS Joist Pole @23 Kg per pole i.e, 207 Kg per pole @ Rs 65.00 per Kg i.e, Rs 13455 per pole	No	1	13455.00	13,455.00
11	Earthing coil	No.	1	166	166.00
12	Pole concreating + Couping	No.	1	1460.00	1,460.00
	Total				63,761.00
SCOPE-E	Construction of 1 Ph 2 W LT Line with 1x35+1x25 sq.mm AB Cable over 8 Mtr. Long 125x70 RS Joist pole				
1	L.T Stay set	Set	8	520.00	4,160.00
2	7/12 SWG Stay Wire	Kg	56	75.00	4,200.00
3	Concreting of stay	Nos.	8	1270.00	10,160.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	8	110.00	880.00
5	L.T Stay Insulator	No.	8	30.00	240.00
6	Dead end clamp	No.	8	65.00	520.00
7	Suspension clamp with Eye hook for ABC	No.	11	340.00	3,740.00
8	Pole clamp	No.	8	200.00	1,600.00
9	Eye hook	No.	8	60.00	480.00
10	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	1000.00	1,000.00
11	MS Nut,Bolt & Washers	Kg	8	71.00	568.00
12	1x35+1x25 sq.mm AB Cable	Km	0.4635	42000.00	19,467.00
13	8 mtr long 125x70 mm RS Joist Pole @13 Kg per pole i.e, 104 Kg per pole @ Rs 65.00 per Kg i.e, Rs 6760 per pole	No	15	6760.00	101,400.00
14	Earthing coil	No.	15	166.00	2,490.00
15	Pole concreating + Couping	No.	15	1460.00	21,900.00
	Total				172,805.00
SCOPE-F	Construction of 11 KV Line AB Switch with DP using 9 mtr long 300 Kg PSC Pole				
1	9mtr long 300 Kg PSC Pole	No	2	3000.00	6,000.00
2	2.8 mtr long 100X50X6mm MS Channel 2 nos for top channel@9.2 Kg/mtr	Kg.	51.52	65.00	3,348.80
3	AB switch Mounting Channel 75x40x6mm. 2.8mtr. Long 2Nos. And 2 nos Cross bracing 2.8 mtr long(6.8kg./mtr.).	Kg.	76.16	65.00	4,950.40
4	3.5 mtr long 50X50X6mm MS Angle 2nos for providing cross bracing at bottom of DP @4.5 Kg/mtr	Kg.	31.5	65.00	2,047.50
5	11 KV Disc insulator (B & S)Polymer 45KN	No.	6	860.00	5,160.00

6	11 KV Hard ware fittings (B & S) Polymer 45KN	No.	6	260.00	1,560.00
7	11KV AB switch 3 pole(400 Amp)	Set	1	11850.00	11,850.00
8	HT Stay Set complete	Set	4	1050.00	4,200.00
9	HT stay insulator	No.	4	50.00	200.00
10	Stay Clamp	Pair	4	125.00	500.00
11	7/10 SWG GI Saty wire	Kg	40	75.00	3,000.00
12	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	2	1050.00	2,100.00
13	Earthing coil	No.	2	166.00	332.00
14	No-6 GI wire/25x6mm GI Flat	Kg	30	75.00	2,250.00
15	Cement Cocncreting of stay Anchor plate + pole Concrete	No.	6	1270.00	7,620.00
16	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	2	1600.00	3,200.00
17	GI Base plate (500x500x10 mm) for PSC Pole	No.	2	1500.00	3,000.00
18	MS Nut,Bolt & Washers	No.	15	71.00	1,065.00
	TOTAL				62,383.70
	Erection of intermediate pole (1 no new cut point & 1 no new pin point) using 10 mtr long 150mm x150mm RS Joist Pole with raod crossing , guarding.	ls	1	80580.24	80,580.24
A	TOTAL MATERIAL COST(A+B+C+D)				1,885,652.78
B	Stock, Storage & Insurance @ 3% of A				56,569.58
C	Sub Total (C=A+B)				1,942,222.36
D	T&P @ 2% of C				38,844.45
E	Contigency @ 3% of C				58,266.67
F	Transportation @ 7.5% of C				145,666.68
G	Erection Charges for PSC Pole @ 20%			6180.00	1,236.00
H	Erection Charges of DTR and Joist Poles @ 5%			900638.18	45,031.91
I	Erection Charges of other @ 10%			1012244.18	101,224.42
	Sub Total				2,332,492.49
	Labour charges for dismentalling of existing line,S/S & DP and transportation of the same to Electrical store of JE(Elect) Malkangiri (Ls)(Approx)				10,000.00
	Total Estimated Cost				2,342,492.49
	Or Say				2,342,492.00

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 @12%.

Signature of Tenderer with seal

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

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

**Sd/-
Joint Manager(Elect)**