

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail: jmelectricalophwc@gmail.com, Website: www.ophwc.nic.in****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 BSF CAMP AT ANDRAHAL IN THE DISTRICT OF MALKANGIRI.****BID REF NO :- 02/JM/ELECT/OPHWC/2021-22**

NAME & ADDRESS OF THE FIRM	

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-A	List of Materials with cost for 3 Ph 3W 11KV line using 9 Mtr long 100x116mm RS Joist Pole and 55sqmm Scope- 3.1 KM				
1	11 KV V cross Arm(MS)(10.2 kg each)	No	38	810.00	30,780.00
2	Back clamp for V cross Arm (1.7kg)	No	38	80.00	3,040.00
3	11 KV F clamp (2.9 kg each)	No	38	240.00	9,120.00
4	11 KV Disc insulator (T& C), 45KN, poreclain doble disc arrangement	No	39	860.00	33,540.00
5	11 KV Hard wire fittings (T & C) 45KN	No	39	130.00	5,070.00
6	11 KV Pin insulator Procelin	No	132	80.00	10,560.00
7	11 KV GI Pin	No	132	80.00	10,560.00
8	HT Stay Set complete	No	15	1050.00	15,750.00
9	HT stay insulator Type-C	No	15	50.00	750.00
10	Stay clamp or stud clamp (1.9 kg/Pair)	Pair	15	125.00	1,875.00
11	7/10 SWG GI Saty wire	Kg	150	75.00	11,250.00
12	GI Base Plate (500x500x10)mm	No	44	1500.00	66,000.00
13	Concrete material for stay anchor plate (0.45x0.45x1.5) Mtr	No	15	1270.00	19,050.00
14	Padding and Concrete material for support with coupling (0.45x0.45x1.5) Mtr	No	44	1460.00	64,240.00
15	MS Nuts bolt & washer	Kg	80	71.00	5,680.00
16	Sundries (Paint, binding tape, connector, Anticlimbing Device etc)	Ls	1	3000.00	3,000.00

17	100x50x6 mm. Channel for straight cross arm (1.2Mtrx14 nos) & 0.2 mtr long 14 Nos @ 9.2 KG/Mtr	KG	180.32	65.00	11,720.80
18	9 Mtr long 100x116 mm RS Joist Pole @23.0KG per Meter.i.e 207 KG per pole@ Rs. 65.00 Kg per pole i.e Rs 13455/- per pole	No	44	13455.00	592,020.00
19	Earthing for supports (Coil Type)	No	44	166.00	7,304.00
20	55sqmm AAC	KM	9.579	30000.00	287,370.00
				Sub total A	1,188,679.80
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART- B	List of Materials with cost for Ltline using (3x50+1x35+1x16) sqmm AB cable and 8 Mtr long 125x70 mm RS Joist Pole Scope-0.95 KM				
1	Earthing for supports (Coil Type)	No	24	166.00	3,984.00
2	GI Base Plate (500x500x10)mm	No	24	1500.00	36,000.00
3	Padding and Concrete material for support with coupling (0.45x0.45x1.5) Mtr	No	24	1460.00	35,040.00
4	LT Stay Set complete	Set	10	520.00	5,200.00
5	7/12 SWG GI Saty wire	Kg	80	75.00	6,000.00
6	Concreting of stay	No	10	1270.00	12,700.00
7	LT Stay clamp (1.4 kg/Pair)	Pair	10	110.00	1,100.00
8	LT Stay insulator (1.4 kg/Pair)	No	10	30.00	300.00
9	Dead End clamp for bare massenger of AB cable	No	15	65.00	975.00
10	Suspension clamp with Eye hook for AB cable	No	16	340.00	5,440.00
11	Strain fitting	No	15	72.35	1,085.25
12	Sundries (Paint, binding tape etc)	Ls	1	1000.00	1,000.00
13	MS nuts and bolts	No	10	71.00	710.00
14	AB cable(1x50+1x35+1x16) sqmm	KM	0.9785	140000.00	136,990.00
15	8 Mtr long 125x70 mm RS joist Pole @ 13 kg per pole i.e 104 kg per pole @ Rs 65 per KG i.e Rs 6760/- per pole	No	24	6760.00	162,240.00
				Sub total of B	408,764.25
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-C	List of Materials with cost for Double pole mounted 11/0.4KV 63 KVA S/S using 9 Mtr long 100x116 mm RS Joist Pole				
1	9 Mtr long 100x116 mm RS Joist Pole @23.0KG per Meter.i.e 207 KG per pole@ Rs. 65.00 Kg per pole i.e Rs 13455/- per pole	No	2	13455.00	26,910.00
2	Pressure channel 100x50x6mm 2.8 mtr. Long MS Angle 2Nos. (9.2kg./mtr.).	Kg.	51.52	65.00	3,348.80

3	Transformer mounting channel 100x50x6mm 2.8 mtr. Long MS Angle 2Nos. (9.2kg./mtr.).	Kg.	51.52	65.00	3,348.80
4	AB switch & H.G fuse mounting channel 75x40x6mm.(4x2.8Mtr)Long (6.8kg./mtr.).	Kg.	76.16	65.00	4,950.40
5	Transformer belting 50x50x6mm Angle 2.8 Mtr long 2nos	Kg.	31.50	65.00	2,047.50
6	Angle for mounting LT distribution box 50x50x6mm 1.0mtr long 2nos (4.5 Kg/Mtr).	Kg.	9	65.00	585.00
7	11 KV Disc insulator (T &C) 45KN	No.	3	860.00	2,580.00
8	11 KV Hard ware fittings (T&C)type	No.	3	130.00	390.00
9	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7,350.00
10	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6,120.00
11	11 KV Lighting arrestor, 12KV, 10KA	No.	3	3550.00	10,650.00
12	LT Distribution box with MCCB, Aluminium busbar of single bay with kitkat fuse for 63 KVA S/S	No.	1	18322.00	18,322.00
13	LT 3 1/2 Core 95 sq.mm for PVC Cable (un-Armoured)	Mtr.	15	333.00	4,995.00
14	HT stay set (Complete) REC construction standard	No.	2	1050.00	2,100.00
15	11 KV stay Insulator Type C	No.	2	50.00	100.00
16	Stay Clamp (1.9 kg/ Pair)	Pair	2	125.00	250.00
17	7/10 SWG GI Saty wire (Grade 2)	Kg	20	75.00	1,500.00
18	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	5	1050.00	5,250.00
19	No-6 G.I wire (Dia 4.8mm) for earthing	Kg	30	75.00	2,250.00
20	Concrete material for stay anchor plate with CC 1:3:6 using 4 cm size hard granite metal (0.45x0.45x1.5) mtr 0.3037 cum @4158.84= 0.3037x4158.84=1263.03 or 1270	Nos.	2	1270.00	2,540.00
21	Padding & Concreting material for support	Nos.	2	1460.00	2,920.00
22	Materials for Massionary work for earth Pit,	Nos.	5	1600.00	8,000.00
23	GI Base Plate (500x500x10)mm	No	2	1500.00	3,000.00
24	MS Nuts bolt & washer	Kg	25	71.00	1,775.00
25	Sundries (Paint,Danger Board, Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories, etc)	LS	1	2000.00	2,000.00

26	Fencing size 8'x12' with 10 nos RCC pillar and 3 Ply GI barbed wire & Grill gate & locking arrangement	LS	1	8440.63	8,440.63
27	Sand and metal spreading	LS	1	2532.19	2,532.19
28	63 KVA, 11/0.4 KV (Al) Transformer	No	1	86500.00	86,500.00
				Sub Total C	220,755.32
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-D	List of Materials with cost for Conversion of 11KV 2Ph 2W line to 11KV 3Ph 3W line Scope- 0.5 KM				
1	11 KV F clamp 2.9kg each	No	7	240.00	1,680.00
2	11 KV Disc insulator (T& C), 45KN, poreclain doble disc arrangement	No	2	860.00	1,720.00
3	11 KV Hard wire fittings (T & C) 45KN	No	2	130.00	260.00
4	11 KV Pin insulator Procelin	No	7	80.00	560.00
5	11 KV GI Pin	No	7	80.00	560.00
6	MS Nuts bolt & washer	Kg	5	71.00	355.00
7	100x50x6 mm. Channel for straight cross arm 1.2Mtr & 0.2 mtr long 2 Nos @ 9.2 KG/Mtr	KG	3.68	65.00	239.20
8	55sqmm AAAC	KM	0.515	30000.00	15,450.00
				Sub Total D	20,824.20
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-E	11KV line AB switch with DP using 9Mtr long 100x116mm RS Joist Pole				
1	9 Mtr long 100x116 mm RS Joist Pole @23.0KG per Meter.i.e 207 KG per pole@ Rs. 65.00 Kg per pole i.e Rs 13455/- per pole	No	2	13455.00	26,910.00
2	100x50x6mm MS channel 2.8 mtr. Long MS Angle 2Nos. (9.2kg./mtr.).	Kg.	51.52	65.00	3,348.80
3	AB switch mounting channel 75x40x6mm.(2x2.8Mtr)Long (6.8kg./mtr.).	Kg.	38.08	65.00	2,475.20
4	50x50x6mm MS Angle 2.8 Mtr long 2nos & 3.5 Mtr long 2 nos for providing cross bracing at bottom of DP (4.5 Kg/Mtr)	Kg.	56.70	65.00	3,685.50
5	Earthing of Support (Coil type)	No	2	166.00	332.00
6	11 KV Disc insulator (T &C) 45KN	No	6	860.00	5,160.00
7	11 KV Hard ware fittings (T&C)type	No	6	130.00	780.00

8	11KV AB switch 3 pole(400 Amp)	Set	1	11850.00	11,850.00
9	HT stay set (Complete) REC construction standard	No	2	1050.00	2,100.00
10	11 KV stay Insulator Type C	No	2	50.00	100.00
11	Stay Clamp (1.9 kg/ Pair)	Pair	2	125.00	250.00
12	7/10 SWG GI Saty wire (Grade 2)	Kg	20	75.00	1,500.00
13	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	1	1050.00	1,050.00
14	No-6 G.I wire (Dia 4.8mm) for earthing	Kg	80	75.00	6,000.00
15	Concrete material for stay anchor plate with CC 1:3:6 using 4 cm size hard granite metal (0.45x0.45x1.5) mtr 0.3037 cum @4158.84= 0.3037x4158.84=1263.03 or 1270	No	2	1270.00	2,540.00
16	Padding & Concreting material for support	No	2	1460.00	2,920.00
17	Materials for Massionary work for earth Pit,	No	1	1600.00	1,600.00
18	GI Base Plate (500x500x10)mm	No	2	1500.00	3,000.00
19	MS Nuts bolt & washer	Kg	10	71.00	710.00
20	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
Sub Total E					77,311.50
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-F	Service Connection Estimate (part -A)				
1	LT 3 1/2 core 35 sqmm PVC cable	Mtr.	30	152.00	4560.00
2	GI wire No 8	Kg	3	75.00	225.00
3	Link Clip	Pkt	2	29.10	58.20
4	Kit Kat fuse -200 Amp	No	3	498.00	1494.00
5	GI S/C Bracket 40MM Dia	No	1	270.00	270.00
6	Sundries	LS	1	300.00	300.00
Sub Total of Part F					6,907.20
A. Sub Total material Cost (A+B+C+D+E+F) in Rs					1,923,242.27
B. Stock, Storage & Insurance @ 3% of A					57,697.27
Sub Total (C=A+B)					1,980,939.54
T&P @ 2% of C					39,618.79
Contingency @ 3% of C					59,428.19
Transportation @ 7.5% of C					148,570.47
PART-G	Service Connection Estimate (part -B)				

7	Modem ECD 210	No	1	10304.00	10304.00
8	Communicating Cord	No	1	1042.00	1042.00
9	(20-100)A 3Ph 4W Static whole current energy meter with box (DLMS compatible)	No	1	3370.00	3370
Erection Charges @ 5% for transformer cost & Joist Pole Cost including stock, storage & insurance @3%				921,417.40	46,070.87
Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				1059522.14	105,952.21
				Total Estimated Cost	2,395,296.06
				Or Say	2,395,296.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (base 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)**