

**TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION), THE ODISHA STATE POLICE
HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TALABASTA OUT POST, CUTTACK
IN THE DIST. OF CUTTACK.**

BID REF NO.- 17/JM/ELECT/OPHWC/2020-21

Bidder Name

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	100X116 MM 9 Mtr. Long Rs Joist Pole	Kg	1898	65.00	123370.00
2	25 KVA ,11/0.4 KV Transformer BIS Energy Level-II	No	1	53800.00	53800.00
A	Total Rs.(as per 2018-19 cost data)				177170.00
B	Stock, Storage & Insurance @ 3% of A				5315.10
C	Sub Total (C=A+B)				182485.10
D	Contingency @3% of C				5474.55
E	T & P 2% of C				3649.70
F	Transportation @ 7.5% of C				13686.38
G	Erection Charges of DTR and Joist Poles @ 5%				9124.26
H	Sub Total				214420.00
1	10 Mtr. Long 400 KG PSC Pole	No	5	7000.00	35000.00
A	TOTAL MATERIAL COST				35000.00
B	Stock, Storage & Insurance @ 3% of A				1050.00
C	Sub Total (C=A+B)				36050.00
D	Contingency @3% of C				1081.50
E	T & P 2% of C				721.00
F	Transportation @ 7.5% of C				2703.75
G	Erection Charges for PSC Pole @ 20%				7210.00
J	Sub Total				47766.25

SCOPE-C	Construction of 3 ph 3 wire 11 KV line using 55 sq. mm Insulated Conductor-0.06 Km Erection of 11 KV intermediate pole at tapping point using 9 Mtr. Long 100x116 mm RS Joist Pole-1 no. Erection of 11 KV intermediate pole on existing 11 KV Line using 10 Mtr. Long 400 KG PSC pole-5 Nos. Construction of 3 Ph 4W LT line using 3x50+1x35 sq. mm AB Cable on 9 Mtr. Long 100x116 mm RS Joist Pole-0.24 Km(6 nos. span)				
1	55 sq. mm Insulated conductor	Km	0.19	48072.75	9133.82
2	100x50x6mm MS channel for straight cr. Arm	Kg.	30	65.00	1950.00
3	11 KV V cross Arm(10.2 KG each)	No	6	810.00	4860.00
4	Top Bracket 75x40 mm MS channel(1.3 kg each)	No	6	100.00	600.00
5	Back clamp for V cross arm 1.70 Kg each	Pair	6	80.00	480.00
6	11 KV Pin Insulator	Set	18	80.00	1440.00
7	11 kv GI pin	Set	18	80.00	1440.00
8	11 KV Disc insulator 70 KN BS	No.	12	390.00	4680.00
9	11 KV H/W fitting	Set	6	350.00	2100.00
10	HT Stay Set (Complete)	Set	1	1050.00	1050.00
11	HT Stay Insulator	Set	1	50.00	50.00
12	HT Stay Clamp(1.95 K.g/Pair)	Pair	1	125.00	125.00
13	7/10 SWG Stay Wire	KG	10	75.00	750.00
14	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	1	2315.15	2315.15
15	Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=.570Cum Padding 900x600x150 mm =0.081 0.651 cum @ 3071.25 =1999.38 each	No	6	2639.18	15835.08
16	Couping of support section 15"x15" (3.9 Cft) height 2'-6' (1'-6' above G.L & 1'-0' below G.L) in C.C 1:2:4 using 12mm BHG metal & curring for 5 days.	No	1	676.37	676.37
17	Earthing of support(Coil type)	No	6	166.00	996.00

18	GI barbed wire anticlimbing device 2 Kg per support	Kg	12	80.00	960.00
19	Red Oxide Paint	Ltr	2	150.00	300.00
20	Alluminium Paint	Ltr	2	200.00	400.00
21	Black Paint	Ltr	1	220.00	220.00
22	MS Nut,Bolt & washer of different sizes	Kg	18	71.00	1278.00
23	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4 nos.etc .	LS	1	1000.00	1000.00
24	AB cable(3x50+1x35 sq. mm)	Km	0.25	130000.00	32500.00
25	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pole	No.	6	485.10	2910.60
26	L.T Stay set (Complete)	Set	6	520.00	3120.00
27	L.T Stay Insulator	No.	6	30.00	180.00
28	7/12 SWG Stay Wire	Kg	60	75.00	4500.00
29	L.T Stay Clamp(1.4 K.g/Pair)	Pair	6	110.00	660.00
30	Fixing and Concreting of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	6	2315.15	13890.90
31	1 Ph 2 W LT cross Arm	No	6	290.00	1740.00
32	LT shackle insulator	No	6	30.00	180.00
33	GI strap and bolt	Kg	6	80.00	480.00
34	MS Nut,Bolt & washer of different sizes	Kg	5	71.00	355.00
35	Insulated piercing connector	No	3	660	1980.00
36	Earthing Coil	No	1	166	166.00
37	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 15 nos.etc .	LS	1	500.00	500.00
SCOPE-D	Installation of 25 KVA, 11/0.4 KV pole mounted S/S-1 No.				
1	100x50x6mm MS channel	K.g	104	65	6760.00
2	75x40x6mm MS channel	K.g	90	65	5850.00
3	50x50x6mm MS Angle	K.g	81	65	5265.00
4	11 KV AB switch 3 pole(200A)	set	1	7350.00	7350.00
5	11KV HG fuse 3pole (400A)	No	1	6120.00	6120.00
6	11KV L.A-12KV-10KA	No.	3	3550.00	10650.00
7	HT Stay Set (Complete)	Set	2	1050.00	2100.00
8	HT Stay Insulator	No.	2	50.00	100.00
9	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00

10	7/10 SWG Stay Wire	KG	20	75.00	1500.00
11	GI Pipe for earthing 40mm dia 3mtr long	No	5	1050.00	5250.00
12	NO-6 GI wire	Kg	20	75.00	1500.00
13	40x6 mm GI Flat for netural	Kg	20	75.00	1500.00
14	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2315.15	4630.30
15	Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=.570Cum Padding 900x600x150 mm =0.081 0.651 cum @ 3071.25 =1999.38 each	No	2	2639.18	5278.36
16	Couping of support section 15"x15" (3.9 Cft) height 2'-6' (1'-6' above G.L & 1'-0' below G.L) in C.C 1:2:4 using 12mm BHG metal & curring for 5 days.	No	2	676.37	1352.74
17	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	2270.27	11351.35
18	55 sq. mm AAA Conductor	Km	0.04	30000.00	1200.00
19	Red Oxide Paint	Ltr	2	150.00	300.00
20	Alluminium Paint	Ltr	2	200.00	400.00
21	Ms nut bolt & Washer	Kg	36	71.00	2556.00
22	LT Distrubution Box including kitkat fuse with MCCB for 25 kVA S/S .	No	1	14930.00	14930.00
23	3 1/2 x35 mm2 PVC cable for)25 kva Tfr.	Mtr	15	152.00	2280.00
24	Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate.	LS	1	41580.00	41580.00
25	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing All. Socket etc.	LS	1	4092.00	4092.00
A	TOTAL MATERIAL COST(FOR-2018-19)				259947.67
B	Stock, Storage & Insurance @ 3% of A				7798.43

C	Sub Total (C=A+B)				267746.10
D	Contingency @3% of C				8032.38
E	T & P 2% of C				5354.92
F	Transportation @ 7.5% of C				20080.96
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				0.00
I	Erection Charges of other @ 10%				26774.61
J	Sub Total				327988.98
K	Total Estimated Cost				590175.22
L	Total Estimated Cost in Figures				590175.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____%			
Quoted Amount in Figure					
Quoted Amount in words					

N:B- The Estimated cost is exclusive of GST .i.e. @ 12%.

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager[Elect.]**

**Sd/-
APM Elect. (Hqr.)**

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