

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 6-F TYPE QTRS. AT KHANDAPADA POLICE STATION IN THE DIST. OF NAYAGARH.					
BID REF NO.- 33/JM/ELECT/OPHWC/2018-19					
Bidder Name					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	Construction of 3 ph 3 wire 11 KV line using 9 mtr. Long 150x150 mm RS Joist Pole with 55 sq. mm Insulated Conductor -0.01 Km with double disc (Avg. span-60 Mtr.)				
1	150x150 mm RS Joist 23.0 kg each 9 Mtr.	Kg	275.4	55.00	15147.00
2	11 KV V cross arm	No.	1	765.00	765.00
3	Top bracket 75x40 mm GI Channel(1.3 Kg each)	No	1	97.50	97.50
4	Back clamp for "V" Cross arm(1.70Kg Each)	No	1	128.00	128.00
5	11KV GI Pin	No	3	65.00	195.00
6	11KV Pin Insulator	No	3	70.00	210.00
7	11KV H.W Fitting(B&S)	No	6	350.00	2100.00
8	11KV Disc insulator(B&S)70KN(Double Disc)	No	12	350.00	4200.00
9	HT Stay Set (Complete)	Set	1	700.00	700.00
10	HT Stay Insulator	No	1	40.00	40.00
11	Fixing and stay set with 0.5Cum cement concret foundation 1:3:6 size(900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set, stay wire, stay insulator.	No.	1	1753.90	1753.90
12	HT Stay Clamp(1.95 K.g/Pair)	Pair	1	146.25	146.25
13	7/10 SWG Stay Wire 12Kg/stay	Kg	1	75.00	75.00
14	Earthing of support(Coil type)	No	1	183.30	183.30
15	55 mm <sup>2</sup> insulated conductor	Km	0.0309	51800.00	1600.62
16	Concreting of support C.C-1:4:8 using 40mm BHG metal size- 5'x2'x2'=20CFT = 0.570Cum Padding 900x600x150mm = $0.081 = 0.651\text{Cum}$ x3071.25=1999.38each cut point	No.	1	1999.38	1999.38
17	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	512.40	512.40
18	Red Oxide Paint	Ltr	3	85.00	255.00
19	Alluminium Paint	Ltr	3	95.00	285.00
20	Black Paint	Ltr	2	85.00	170.00
21	100x50x6mm MS Channel	Kg	51.52	60.00	3091.20
22	MS Nut,Bolt & washer of different sizes	Kg	10	75.00	750.00

23	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4nos.etc .	LS	1	1000.00	1000.00
<b>SCOPE-B</b>	<b>Installation of 25 KVA(3 Star Rated) 11/0.4KV DP mounted sub station using 9 mtr. Long 150x150 mm RS Joist alongwith Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &amp;Iron grill gate.- 1 No.</b>				
25	9 mtr. Long 150x150 mm RS Joist 34.6 kg each	Kg	550.8	55.00	30294.00
26	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	60.00	3091.20
27	Transfor mounting channel 100x50x6 mm GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos..	K.g	51.52	60.00	3091.20
28	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 1 No(6.8Kg/mtr)	K.g	76.16	60.00	4569.60
29	Cantilever channel for supporting AB switch arm ,75x40x6mm MS Angle 1 mtr long 2nos (6.8Kg/mtr)	K.g	13.6	60.00	816.00
30	Cantilever channel for supporting HG fuse ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr)	K.g	9	60.00	540.00
31	Angle for cantilever arrangement for AB Switch & HG fuse 50x50x6 mm - 2mtr each 2nos (4.5 Kg per mtr)	Kg	18	60.00	1080.00
32	Transfor belting angel 50x50x6 mm 2.8 Mtr. Long 2 Nos. (4.5 Kg/Mtr.) with side angel (total 7 Mtr.)	K.g	31.5	60.00	1890.00
33	Angle for mounting LT distribution Box 50x50x6 mm MS angel-2.5mtr each long 2nos (4.5 KGg per mtr)	Kg	22.5	60.00	1350.00
34	11 KV AB switch 3 pole(200A)	set	1	9000.00	9000.00
35	11KV HG fuse 3pole (400A)	No	1	7000.00	7000.00
36	11KV L.A-12KV-10KA	No.	3	1500.00	4500.00
37	HT Stay Set (Complete)	Set	2	700.00	1400.00
38	HT Stay Insulator	No.	2	40.00	80.00
39	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	146.25	292.50
40	7/10 SWG Stay Wire	KG	20	75.00	1500.00
41	GI Pipe for earthing 40mm dia 3mtr long	No	5	1500.00	7500.00
42	NO-6 GI wire	Kg	20	60.00	1200.00
43	40x6 mm GI Flat for netural	Kg	20	60.00	1200.00
44	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	1753.90	3507.80

45	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	1999.38	3998.76
46	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	512.40	1024.80
47	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	1719.90	8599.50
48	55mm2 AAC	Km	0.04	30000.00	1200.00
49	Red Oxide Paint	Ltr	3	85.00	255.00
50	Alluminium Paint	Ltr	4	95.00	380.00
51	Black Paint	Ltr	0.5	85.00	42.50
52	MS nut bolt & Washer	Kg	36	75.00	2700.00
53	25 KVA 11/4 KV star rated TFR AL	No	1	52000.00	52000.00
54	LT Distrubution Box including kitkat fuse with MCCB for 25 kVA S/S	No	1	12400.00	12400.00
55	3 1/2 x35 mm2 PVC cable for 25 KVA Tfr.	Mtr	15	175.00	2625.00
56	Barbed wire fencing(15'x10') with construction of retaining wall, sand filling, metal spreading & fixing of iron gate as per CESU.	LS	1	31500.00	31500.00
57	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc.	LS	1	3100.00	3100.00
<b>SCOPE-C</b>	<b>Construction of 3 Ph 4 W LT Line with 3x35+1x25 sq.mm AB Cable over 9 mtr. Long 116x100 mm RS Joist Pole .-0.16 Km</b>				
58	9 Mtr. Long 116x100 mm RS Joist	No	4	11385.00	45540.00
59	L.T Stay set (Complete )	Set	2	510.00	1020.00
60	7/12 SWG Stay Wire	Kg	20	75.00	1500.00
61	L.T Stay Clamp(1.4 K.g/Pair)	Pair	2	105.00	210.00
62	L.T Stay Insulator	No.	2	25.00	50.00
63	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	2	1753.90	3507.80
64	LT 2 Ph 3 W cross arm	No	4	362.00	1448.00
65	Nuts and bolts	Kg	20	75.00	1500.00
66	LT Shackel insulator	No	4	25.00	100.00
67	LT Dead end clamp I Hook	No	2	350.00	700.00
68	GI Strap and Bolt	set	4	50.00	200.00
69	34 sq. mm AAC(for jumpering)	Km	0.05	22000.00	1100.00
70	Earthing coil each 5th pole to earth	No	1	183.30	183.30

71	AB cable(3x35+1x25 sq. mm)	Km	0.16	80000.00	12800.00
72	Red Oxide Paint	Ltr	1	85.00	85.00
73	Alluminium Paint	Ltr	1	95.00	95.00
74	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	512.40	512.40
75	Sundries for survey,tree cutting ,insulated tape etc .	Ls	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.(During 2013-14)				310683.91
B	Cost of Escalation @8% per annumX 5= 40%				124273.56
C				Total Rs.	434957.47
D	Stock,storage and insurance (@3% on C)				13048.72
E				Total Rs.	448006.20
F	T&P @ 2% of E				8960.12
G	Contigency @ 3% of E				13440.19
H	Transportation @ 7.5% of E				33600.46
I	Erection charges @ 10% of E				44800.62
J	Sub-Total				<b>548807.59</b>
	Total Estimated Cost in Figures				<b>548808.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____ %
	Quoted Amount in Figure				
	Quoted Amount in words				

N:B- The Estimated cost is inclusive of GST.

**Signature of Tenderer with seal**

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

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

**Sd/-  
Consultant(Elect.)**

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