

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 STAFF QTRS. AND MARSAGHAI POLICE STATION AT KENDRAPADA IN THE DIST. OF KENDRAPADA.					
BID REF NO.- 30/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 100X116 MM RS Joist with 55 sq. mm Insulated Conductor -0.03 Km & Interposing of 9 mtr. Long 100x116 mm RS Joist Pole (4 Nos.) along with double disc provision.@60 Mtr./span				
1	9 Mtr. Long 100x116 mm RS Joist pole for interposing	No.	4	11385.00	45540.00
2	11KV "V" Cross arm(10.2Kg Each)	No	4	765.00	3060.00
3	Top bracket 75x40 mm MS Channel(1.3 Kg each)	No	4	97.50	390.00
4	Back clamp for V Cross arm 1.70 Kg each(11 Nos. for V-cross arm & 8 Nos. for strut)	Pair	4	128.00	512.00
5	11KV GI Pin	No	14	65.00	910.00
6	11KV Pin Insulator	No	14	70.00	980.00
7	11KV H.W Fitting(B&S)	No	6	350.00	2100.00
8	11KV Disc insulator(B&S)70KN	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 15Kg/stay	Kg	10	75.00	750.00
14	Earthing of support(Coil type)	No	4	183.30	733.20
15	55 mm ² insulated conductor	Km	0.11	60000.00	6600.00
16	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pin point	No	4	367.50	1470.00
17	Concreting of support C.C-1:4:8 using 40mm BHG metal size- 5'x2'x2'=20 CFT = 0.570 Cum Padding 900x600x150mm = $\frac{0.081}{0.651}$ Cum x3071.25=1999.38 each cutpoint	No.	4	1999.38	7997.52
18	Red Oxide Paint	Ltr	4	85.00	340.00
19	Alluminium Paint	Ltr	4	95.00	380.00
20	GI barbed wire anticlimbing device 2 Kg per support	Kg	8	70.00	560.00
21	100x50x6mm MS Channel	Kg	25.76	60.00	1545.60
22	11 kv AB switch 3 pole (400 Amp)for existing Line DP	Set	1	10000.00	10000.00

23	MS Nut,Bolt & washer of different sizes	Kg	10	75.00	750.00
24	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 15 nos.etc .	LS	1	2000.00	2000.00
SCOPE-B	Installation of 63 KVA 11/0.4KV DP mounted sub station using 9 mtr long 100x116 mm RS Joist pole alongwith Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate.- 1 No.				
25	9 mtr long 100x116 mm RS Joist pole	No	2	11385.00	22770.00
26	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	52	60	3120.00
27	Transfor mounting channel 100x50x6 mm GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos..	K.g	52	60	3120.00
28	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76	60	4560.00
29	Cantilever channel for supporting AB Switch Arm ,75x40x6mm MS Angle 1 mtr long 2nos (6.8Kg/mtr)	K.g	14	60	840.00
30	Cantilever channel for supporting HG fuse ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr)	No.	9	60	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	1080.00
32	Transfor belting angel 50x50x6 mm 2.8 Mtr. Long 2 Nos. (4.5 Kg/Mtr.) with side angel (total 7 Mtr.)GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos.	K.g	32	60	1920.00
33	Angle for mounting LT distribution Box 50x50x6 mm MS angel-2.5mtr each long 2nos (4.5 KGg per mtr)	Kg	23	60	1380.00
34	11 KV AB switch 3 pole(200A)	set	1	9000.00	9000.00
35	11KV HG fuse 3pole (200A)	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	0.05	30000.00	1500.00
49	Red Oxide Paint	Ltr	2	85.00	170.00
50	Alluminium Paint	Ltr	2	95.00	190.00
51	Ms nut bolt & Washer	Kg	36	75.00	2700.00
52	63 KVA 11/4 KV TFR AL 3 star rated	No	1	100000.00	100000.00
53	LT Distrubution Box including kitkat fuse with MCCB for 63 kVA S/S .	No	1	16100.00	16100.00
54	3 1/2 x95 mm2 PVC cable for)63 kva Tfr.	Mtr	15	420.00	6300.00
55	Barbed wire fencing(15'x10') with construction of retaining wall,erection of RCC fencing post sand filling, metal spreading & fixing of iron gate as per CESU.	No	1		
				31500.00	31500.00
56	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing All. Socket etc.	LS	1	2000.00	2000.00
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x35+1x25+1x16 sq.mm AB .- 0.45 Km by using 8 Mtr. Long 100x116 mm RS Joist Pole with 2 Nos. of strut pole along with street Light provision @ 40 mtrs/span				
57	8 mtr long 100x116 mm RS Joist pole(11 nos. for line & 2 Nos for strut)	No	13	10120.00	131560.00
58	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	13		
				1999.38	25991.94

59	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	13	512.40	6661.20
60	L.T Stay set (Complete)	Set	3	510.00	1530.00
61	7/12 SWG Stay Wire	Kg	30	75.00	2250.00
62	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	105.00	315.00
63	L.T Stay Insulator	No.	3	25.00	75.00
64	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	3	1753.90	5261.70
65	Dead end clamp	No	5	350.00	1750.00
66	Suspension clamp with I-Hook	Kg	10	400.00	4000.00
67	Strain fittings	No	3	50.00	150.00
68	Nuts and bolts	Kg	10	75.00	750.00
69	Earthing coil each 5th pole to earth	NO	2	183.30	366.60
70	AB cable(3x35+1x25+1x16 sq. mm)	Km	0.46	100000.00	46000.00
71	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	2000.00	2000.00
A	TOTAL MATERIAL COST IN RS.(During 2013-14)				572713.27
B	Cost of Escalation @8% per annumX 5=40%				229085.31
C				Total Rs.	801798.58
D	Stock,storage and insurance (@3% on C)				24053.96
E				Total Rs.	825852.54
F	T&P @ 2% of E				16517.05
G	Contingency @ 3% of E				24775.58
H	Transportation @ 7.5% of E				61938.94
I	Erection charges @ 10% of E				82585.25
J	Total Estimated Cost in Figures				1011669.36
K	Sub-Total				1011669.36
L	CESS				10116.69
M	Sub-Total				1021786.05
	Total Estimated Cost in Figures				1021786.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____%
	Quoted Amount in Figure				
	Quoted Amount in words				

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

Signature of Tenderer with seal

Sd/-
Asst. Project Manager[Elect.]

Sd/-
Consultant(Elect.)

Sd/-
APM Elect. (Hqr.)

Sd/-
Joint Manager(Elect.)