

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 8-E (2-E+2-E+4-E) TYPE QTRS. AT SDPO CAMPUS IN THE DIST. OF KHURDA.					
BID REF NO.- 31/JM/ELECT/OPHWC/2018-19					
Bidder Name					
<u>SCHEDULE OF WORKS</u>					
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 10 mtr. Long 150x150 mm RS Joist Pole with 55 sq. mm Insulated Conductor -0.01 Km(2 Nos. span)Erection of 11 kv intermediate pole at tapping point using 10 Mtr. Long 150x150 mm RS Joist pole-1 No.				
1	150x150 mm RS Joist Pole 10 Mtr Long.	Kg	692	55.00	38060.00
2	55 mm ² insulated conductor	Km	0.031	36418.75	1128.98
3	100x50x6mm MS Channel	Kg	90	75.00	6750.00
4	11 KV V cross arm(10.2 kg each)	No.	1	765.00	765.00
5	Top bracket 75x40 mm GI Channel(1.3 Kg each)	No	1	97.50	97.50
6	Back clamp for "V" Cross arm(1.70Kg Each)	No	1	128.00	128.00
7	11 KV Pin insulator	No	5	70.00	350.00
8	11 KV GI Pin	No	5	65.00	325.00
9	11KV H.W Fitting(B&S)	No	12	350.00	4200.00
10	11KV Disc insulator(B&S)70KN	No	24	350.00	8400.00
11	HT Stay Set (Complete)	Set	3	700.00	2100.00
12	HT Stay Insulator	No	3	40.00	120.00
13	HT Stay Clamp(1.95 K.g/Pair)	Pair	3	146.25	438.75
14	7/10 SWG Stay Wire	Kg	30	75.00	2250.00
15	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.	3	1753.90	5261.70
16	Concreting of support C.C-1:4:8 using 40mm BHG metal size- 5'x2'x2'=20CFT = 0.570Cum Padding 900x600x150mm = $0.081 = 0.651$ Cum x3071.25=1999.38each cut point	No.	2	1999.38	3998.76
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	10	512.40	5124.00
18	Earthing of support(Coil type)	No	2	190.00	380.00
19	GI barbed wire anticlimbing device 2 Kg per support	Kg	4	70.00	280.00
20	Red Oxide Paint	Ltr	6	85.00	510.00

21	Alluminium Paint	Ltr	8	95.00	760.00
22	Black Paint	Ltr	2	85.00	170.00
23	MS Nut,Bolt & washer of different sizes	Kg	12	75.00	900.00
24	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4nos.etc .	LS	1.00	1000.00	1000.00
SCOPE-B	Installation of 63 KVA(3 Star Rated) 11/0.4KV Pole mounted sub station using 10 mtr. Long 150x150 mm RS Joist Pole alongwith Barbed wire fencing(15'x10') with construction of retaining wall, sand filling, metal spreading & fixing of iron gate as per CESU.- 1 No.				
1	150x150 mm RS Joist Pole 10 Mtr Long.	Kg	692	55.00	38060.00
2	100x50x6mm MS Channel	Kg	104	60.00	6240.00
3	75x40x6mm MS Channel	Kg	90	60.00	5400.00
4	50x50x6mm MS Angle	Kg	81	60.00	4860.00
5	11 KV AB switch 3 pole(200A)	set	1	9000.00	9000.00
6	11KV HG fuse 3pole (400A)	No	1	7000.00	7000.00
7	11KV L.A-12KV-10KA	No.	3	1500.00	4500.00
8	HT Stay Set (Complete)	Set	2	700.00	1400.00
9	HT Stay Insulator	No.	2	40.00	80.00
10	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	146.25	292.50
11	7/10 SWG Stay Wire	KG	20	75.00	1500.00
12	GI Pipe for earthing 40mm dia 3mtr long	No	5	1500.00	7500.00
13	No.6 GI wire	Kg	20	60.00	1200.00
14	40x6 mm GI Flat for neutral	Kg	20	60.00	1200.00
15	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
16	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
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	2	512.40	1024.80
18	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
19	55mm2 AAAC	Km	0.04	30000.00	1200.00
20	Red Oxide Paint	Ltr	2	85.00	170.00
21	Alluminium Paint	Ltr	2	95.00	190.00
22	MS nut bolt & Washer	Kg	36	75.00	2700.00

23	63 KVA 11/4 KV 3 star rated TFR AL	No	1	100000.00	100000.00
24	LT Distrubution Box including kitkat fuse with MCCB for 63 kVA S/S	No	1	16100.00	16100.00
25	3 1/2 x95 mm2 PVC cable for 63 KVA Tfr.	Mtr	15	420.00	6300.00
26	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
27	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
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable over 8 Mtr. Long 125x75 mm RS Joist pole .-0.32 Km(8 nos. span)				
1	8 Mtr. Long 25x75 mm RS Joist pole	Kg	884	55.00	48620.00
2	AB cable(3x50+1x35+1x16 sq. mm)	Km	0.33	170000.00	56100.00
3	L.T Stay set (Complete)	Set	7	510.00	3570.00
4	7/12 SWG Stay Wire	Kg	70	75.00	5250.00
5	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	105.00	735.00
6	L.T Stay Insulator	No.	7	25.00	175.00
7	Fixing and concreting of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	7	1753.90	12277.30
8	1 Ph 2 W LT cross arm	No	12	272.00	3264.00
9	LT shackle insulator	No	12	25.00	300.00
10	GI strap with N&B	No	12	50.00	600.00
11	Sundries for survey,tree cutting ,insulated tape etc .	Ls	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.(During 2013-14)				482012.35
B	Cost of Escalation @8% per annumX 5=40%				192804.94
C				Total Rs.	674817.29
D	Stock,storage and insurance (@3% on C)				20244.52
E				Total Rs.	695061.81
F	T&P @ 2% of E				13901.24
G	Contigency @ 3% of E				20851.85
H	Transportation @ 7.5% of E				52129.64
I	Erection charges @ 10% of E				69506.18
J	Total Estimated Cost in Figures				851450.72
K	Sub-Total				851450.72
L	CESS				8514.51
M	Sub-Total				859965.23

	Total Estimated Cost in Figures				859965.00
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/-
APM Elect. (Hqr.)**

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

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