

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 264 NOS. DWELLING UNITS AT TANALA SAHI,TULASIPUR IN THE DIST. OF CUTTACK.					
BID REF NO.- 35/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	Laying of 11 KV XLPE 95 sq. mm UG Cable	km	0.15		
1	100x116 mm RS Joist 10 Mtr Long 1 nos. for resting of 11 kv UG cable.	Kg	230	55.00	12650.00
2	95 sq. mm 3 core 11 kv UG XLPE Cable including spare cable	Mtr.	320	950.00	304000.00
3	End termination cable jointing kit out door type 95 sq. mm 11 kv 3 core XLPE cable	No	4	9000.00	36000.00
4	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4nos.etc .	LS	1	2000.00	2000.00
SCOPE-B	Installation of 500 KVA(3 Star Rated) 11/0.4KV Pinth mounted sub station using 9 mtr. Long 100x116 mm RS Joist Pole alongwith Boundary wall (size15'x15') with , sand filling, metal spreading & fixing of iron grill gate etc.	No	1		
1	150x150x6 mm RS Joist 11 Mtr. Long 2 Nos.	K.g	761.2	55.00	41866.00
2	100 x 50 x 6 mm MS channel	Kg	52	60.00	3120.00
3	75 x 40 x 6 mm MS channel	Kg	130	60.00	7800.00
4	50 x 50 x 6 mm MS angel	Kg	90	60.00	5400.00
5	3 Pole 11 KV AB Switch 400 Amp	Set	1	10000.00	10000.00
6	3 Pole 11 KV HG Fuse 400 Amp	Set	1	7000.00	7000.00
7	11 KV LA 12 KV-10 KA	Nos	3	1500	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 natural	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	50x6 mm copper Z clamp for TFR LT 4 Nos. x 0.8 kg each for connection of LT cable	Kg	3.2			840.00	2688.00
21	Red Oxide Paint	Ltr	3			85.00	255.00
22	Alluminium Paint	Ltr	4			95.00	380.00
23	Black Paint	Ltr	0.5			85.00	42.50
24	MS nut bolt & Washer	Kg	36			75.00	2700.00
25	500 KVA 11/4 KV star TFR AL	No	1			500000.00	500000.00
26	LT Distrubution Box including kitkat fuse with MCCB for 500 kVA S/S	No	1			106300.00	106300.00
27	3 1/2 x300 mm2 PVC cable for I/C (2 Nos.)500 KVA Tfr.	Mtr	12			860.00	10320.00
28	3 1/2 x300 mm2 PVC cable for O/G (2 Nos.)500 KVA Tfr.	Mtr	40			860.00	34400.00
29	100x116 mm RS Joist 4 Mtr Longx23 kg for resting of LT cable.	Kg	92			55.00	5060.00
30	Plinth for Tfr. 6ft height(below GL 2ft)x5ftx5ft	No	1			20000.00	20000.00
31	Boundary wall (size15'x15') with , sand filling, metal spreading & fixing of iron grill gate etc..	No	1			70000.00	70000.00
32	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc.	LS	1			4200.00	4200.00
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x95+1x70+1X16 sq.mm AB Cable over 8 Mtr. Long 200 KG PSC pole -.1.8 Km						
1	8 Mtr. Long 200 KG PSC Pole-55 Nos(3 Nos. for stud)	No	58			2000.00	116000.00
2	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pole	No.	58			367.50	21315.00
3	L.T Stay set (Complete)	Set	10			510.00	5100.00
4	7/12 SWG Stay Wire	Kg	100			75.00	7500.00
5	L.T Stay Clamp(1.4 K.g/Pair)	Pair	10			105.00	1050.00
6	L.T Stay Insulator	No.	10			25.00	250.00

7	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	10		
				1753.90	17539.00
8	2 Ph 3 W X arm 4.82 Kg	No	55	362.00	19910.00
9	X arm back clamp 0.85 Kg each	No	55	63.75	3506.25
10	Nut and bolt	Kg	40	75.00	3000.00
11	LT shackle insulator	No	108	25.00	2700.00
12	Guy strap and Bolt	Set	108	50.00	5400.00
13	80 sq. mm AAAC(for jumpering)	Km	0.1	42000.00	4200.00
14	Earthing coil earth each 5th pole to earth	No	10	183.30	1833.00
15	AB cable(3x95+1x70+1x16 sq. mm)	Km	1.8	230000.00	414000.00
16	Red Oxide Paint	Ltr	5	85.00	425.00
17	Alluminium Paint	Ltr	5	95.00	475.00
18	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.(During 2013-14)				1847388.11
B	Cost of Escalation @8% per annumX 5=40%				738955.24
C				Total Rs.	2586343.35
D	Stock,storage and insurance (@3% on C)				77590.30
E				Total Rs.	2663933.65
F	T&P @ 2% of E				53278.67
G	Contingency @ 3% of E				79918.01
H	Transportation @ 7.5% of E				199795.02
I	Erection charges @ 10% of E				266393.37
J	Total Estimated Cost in Figures				3263318.73
SCOPE-D	Construction of cable trench for laying of 3x95 sq. mm 11 KV XLPE cable by using 150 mm dia RCC hume pipe including laying of cable	Mtr.	300	1500.00	450000.00
K	Sub-Total				3713318.73
L	CESS				37133.19
M	Sub-Total				3750451.91
N	Total Estimated Cost in Figures				3750452.00
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.)