

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 ADMINISTRATIVE BUILDING AND 120 MEN BARRACK AT 6TH IRBN.,KHURDA IN THE DIST. OF KHURDA.					
BID REF NO.- 33/JM/ELECT/OPHWC/2018-19					
Bidder Name					
<b>SCHEDULE OF WORKS</b>					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	Construction of 3 Ph 11 KV Overhead Line on 150x150 mm 11 Mtr. Long RS Joist using 80 sq. mm insulated conductor .(3 Nos. span)	Km	0.1		
SCOPE-B	Erection of 11 KV intermediate pole at tapping point using 11 Mtr. Long 150x150 mm RS Joist Pole .	No	1		
SCOPE-C	Erection of 11 KV intermediate pole on existing 11 KV Lineusing 9 Mtr. Long 300 Kg PSC Pole.	Nos	10		
SCOPE-D	Augmentation of 11 KV Line conductor from 34 sq. mm AAAC to 80 sq. mm AAAC .	Km	1.0		
SCOPE-E	Construction of LT 3 Ph 5 W Line using 8 Mtr. Long 200 Kg PSC Pole with 3x95+1x70+1x16 sq. mm AB Cable(8 Nos. span)	Km	0.25		
SCOPE-F	Construction of LT 3 Ph 5 W Line using 8 Mtr. Long 200 Kg PSC Pole with 3x50+1x35+1x16 sq. mm AB Cable(16 Nos. span)	Km	0.5		
1	150x150 mm RS Joist pole 11 mtr long	Kg	1142	55.00	62810.00
2	9 Mtr. Long 300 Kg PSC Pole	No	10	3000.00	30000.00
3	80 sq. mm insulated conductor	Km	0.31	50294.38	15591.26
4	80 sq. mm AAA conductor	Km	3.1	42000.00	130200.00
5	100x50x6mm MS channel	Kg.	90	75.00	6750.00
6	11 KV V cross Arm(10.2 KG each)	No	13	765.00	9945.00
7	Top Bracket 75x40 mm MS Channel (1.3 Kg)	No	13	97.50	1267.50
8	Back clamp for V cross Arm 1.70 Kg each	Pair	13	128.00	1664.00
9	11 KV Pin Insulator	No	38	70.00	2660.00
10	11 kv GI pin	No	38	65.00	2470.00
11	11 KV Disc insulator 70 KN (B&S)	No.	24	350.00	8400.00
12	11 KV H/W fitting	Set	12	350.00	4200.00
13	Earthing of support coil type	No	13	190.00	2470.00
14	MS Nut, Bolts & washers of different sizes	Kg	9	75.00	675.00
15	HT Stay Set (Complete)	Set	3	700.00	2100.00
16	HT Stay Insulator	No.	3	40.00	120.00
17	HT Stay Clamp(1.95 K.g/Pair)	Pair	3	146.25	438.75
18	7/10 SWG Stay Wire	KG	30	75.00	2250.00
19	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.	15	1753.90	26308.50

20	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.	13		
				<b>1999.38</b>	<b>25991.94</b>
21	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	3		
				<b>512.40</b>	<b>1537.20</b>
22	GI barbed wire anticlimbing device 2 Kg per support	Kg	26		
				<b>70.00</b>	<b>1820.00</b>
23	Red Oxide Paint	Ltr	3		
				<b>85.00</b>	<b>255.00</b>
24	Alluminium Paint	Ltr	3		
				<b>95.00</b>	<b>285.00</b>
25	Black Paint	Ltr	1		
				<b>85.00</b>	<b>85.00</b>
26	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4 nos.etc .	LS	1		
				<b>1000.00</b>	<b>1000.00</b>
27	8 mtr long 200 KG PSC Pole	No	24		
				<b>3000.00</b>	<b>72000.00</b>
28	L.T Stay set (Complete )	Set	12		
				<b>510.00</b>	<b>6120.00</b>
29	7/12 SWG Stay Wire	Kg	120		
				<b>75.00</b>	<b>9000.00</b>
30	L.T Stay Clamp(1.4 K.g/Pair)	Pair	12		
				<b>105.00</b>	<b>1260.00</b>
31	L.T Stay Insulator	No.	12		
				<b>25.00</b>	<b>300.00</b>
32	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pin point	No	24		
				<b>367.50</b>	<b>8820.00</b>
33	Insulated Piercing connector	No	3		
				<b>500.00</b>	<b>1500.00</b>
34	Back clamp for LT cross arm	pair	24		
				<b>63.75</b>	<b>1530.00</b>
35	LT 3 ph 4 W X Arm	No	24		
				<b>591.00</b>	<b>14184.00</b>
36	LT shackle insualtor	No	24		
				<b>25.00</b>	<b>600.00</b>
37	GI strap with N & B	set	24		
				<b>50.00</b>	<b>1200.00</b>
38	AB cable(3x95+1x50+1x16 sq. mm)	Km	0.26		
				<b>230000.00</b>	<b>59800.00</b>
39	AB cable(3x50+1x35+1x16 sq. mm)	Km	0.52		
				<b>170000.00</b>	<b>88400.00</b>
40	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board etc .	LS	1		
				<b>1000.00</b>	<b>1000.00</b>
<b>SCOPE-B</b>	<b>Installation of 100 KVA( star rated) 11/0.4KV Plinth mounted sub station using 10 mtr. Long (100x116) mm RS Joist alongwith Barbed wire fencing(15'x10') with construction of retaining wall, sand filling, metal spreading &amp; fixing of iron gate as per CESU.</b>	No	1		
1	100x116 mm RS Joist (10 Mtr, 2 Nos.)	K.g	469		
				<b>55.00</b>	<b>25795.00</b>
2	100x50x6mm MS channel	K.g	52		
				<b>75.00</b>	<b>3900.00</b>
3	75x40x6 mm MS channel	K.g	130		
				<b>60.00</b>	<b>7800.00</b>
4	50x50x6 mm MS Angle	K.g	91		
				<b>60.00</b>	<b>5460.00</b>
5	11 KV AB switch 3 pole (200Amp)	Set	1		
				<b>9000.00</b>	<b>9000.00</b>
6	11 KV HG fuse 3 pole (400 Amp)	Set	1		
				<b>7000.00</b>	<b>7000.00</b>
7	Lightening Arrester (12 KV, 10 KA)	No.	3		
				<b>1500.00</b>	<b>4500.00</b>

8	HT Stay Set	No.	2	700.00	1400.00
9	HT Stay Insulator	No.	2	40.00	80.00
10	H.T Stay Clamp(1.95 K.g/Pair)(4 pair)	Pair	2	146.25	292.50
11	GI Stay wire( 7/10 )	Kg	20	75.00	1500.00
12	GI Pipe for earthing 40mm dia 3mtr long	No	5	1500.00	7500.00
13	40x6 mm GI Flat for netural	Kg	100	60.00	6000.00
14	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.	2	1753.90	3507.80
15	Concreting of support C.C-1:4:8 using 40mm BHG metal size- 5'x2'x2'=20 CFT = 0.570 Cum Padding 900x600x150mm = 0.081 = 0.651Cum x3071.25=1999.38 each cutpoint	No.	2	1999.38	3998.76
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	512.40	1024.80
17	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
18	55mm2 AAAC	Km	0.04	30000.00	1200.00
19	Red Oxide Paint	Ltr	3	85.00	255.00
20	Alluminium Paint	Ltr	4	95.00	380.00
21	Black Paint	Ltr	1	85.00	85.00
22	Ms nut bolt & Washer	Kg	36	75.00	2700.00
23	100 KVA 11/4 KV TFR AL	No	1	125000.00	125000.00
24	LT Distrubution Box including kitkat fuse with MCCB for 100 kVA S/S	No	1	24600.00	24600.00
25	150 mm2 3.5 core LT PVC with spare cable	Mtr.	25	470.00	11750.00
26	Plinth for TFr. 6 Ft. height (below GL 2ft)x5ftx5ft	No	1	12000.00	12000.00
27	Barbed wire fencing(15'x10') with construction of retaining wall, sand filling, metal spreading & fixing of iron gate as per CESU.	No	1	36750.00	36750.00
28	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
A	TOTAL MATERIAL COST IN RS.(During 2013-14)				923286.51
B	Cost of Escalation @8% per annumX 5= 40%				369314.60
C				Total Rs.	1292601.11
D	Stock,storage and insurance (@3% on C)				38778.03
E				Total Rs.	1331379.14

F	T&P @ 2% of E				<b>26627.58</b>
G	Contingency @ 3% of E				<b>39941.37</b>
H	Transportation @ 7.5% of E				<b>99853.44</b>
I	Erection charges @ 10% of E				<b>133137.91</b>
J	Total Estimated Cost in Figures				<b>1630939.45</b>
29	Dismantling of 11 KV Line conductor(34 sq.mm AAAC)	Span	10	<b>200.00</b>	<b>2000.00</b>
K	Sub-Total				<b>1632939.45</b>
	Total Estimated Cost in Figures				<b>1,632,939.00</b>
N:B- The Estimated cost is inclusive of GST.					
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.)**