

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 12-E AND 12-F TYPE QTRS. AT LOWER POLICY COLONY ,TULASIPUR IN THE DIST. OF CUTTACK.					
BID REF NO.- 40/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.
<b>SCOPE-A</b>	<b>Construction of 3 ph 3 wire 11 KV line using 9 mtr. Long 100X116 MM RS Joist with 55 sq. mm AAA Conductor -0.02 Km Conversion of 11 KV 2 Ph 3W Line to 3 Ph 3 W Line-0.24 Ckt.</b>				
1	11KV "V" Cross arm(10.2Kg Each)	No	1	765.00	765.00
2	Top bracket 75x40 mm MS Channel(1.3 Kg each)	No	6	97.50	585.00
3	Back clamp for V Cross arm 1.70 Kg each	Pair	1	128.00	128.00
4	11KV GI Pin	No	5	65.00	325.00
5	11KV Pin Insulator	No	5	70.00	350.00
6	11KV H.W Fitting(B&S)	No	6	350.00	2100.00
7	11KV Disc insulator(B&S)70KN	No	12	350.00	4200.00
8	HT Stay Set (Complete)	Set	2	700.00	1400.00
9	HT Stay Insulator	No	2	40.00	80.00
10	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
11	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	146.25	292.50
12	7/10 SWG Stay Wire 15Kg/stay	Kg	20	75.00	1500.00
13	Earthing of support(Coil type)	No	1	183.30	183.30
14	55 sq. mm AAA Conductor	Km	0.3	30000.00	9000.00
15	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 $\times 3071.25=1999.38$ each cutpoint	No.	1	1999.38	1999.38
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	1	512.40	512.40
17	Red Oxide Paint	Ltr	1	85.00	85.00
18	Alluminium Paint	Ltr	1	95.00	95.00
19	Black Paint	Ltr	1	85.00	85.00

20	GI barbed wire anticlimbing device 2 Kg per support	Kg	2	70.00	140.00
21	100x50x6mm MS Channel	Kg	30	60.00	1800.00
22	MS Nut,Bolt & washer of different sizes	Kg	5	75.00	375.00
23	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 15 nos.etc .	LS	1	1000.00	1000.00
A	Total Rs.(as per 2013-14 cost data)				30508.38
B	Cost of Escalation @8% per annumX 5=40%				12203.35
C				<b>Total Rs.</b>	42711.73
D	Stock,storage and insurance (@3% on C)				1281.35
E				<b>Total Rs.</b>	43993.08
F	T&P @ 2% of E				879.86
G	Contingency @ 3% of E				1319.79
H	Transportation @ 7.5% of E				3299.48
I	Erection charges @ 10% of E				4399.31
J	Sub-Total				53891.53
1	9 mtr long x23.0 Kg =207 Kg) 100x116 mm RS Joist each	K.g	207	55.00	11385.00
2	9 mtr long x23.0 Kg =207 Kg) 100x116 mm RS Joist each=2 Nos.	K.g	414	55.00	22770.00
3	100 KVA 11/0.4 KV 3 star rated TFR AL.	No	1	125000.00	125000.00
A	Total Rs.(as per 2013-14 cost data)				159155.00
B	Cost of Escalation @8% per annumX 5=40%				63662.00
C				<b>Total Rs.</b>	222817.00
D	Stock,storage and insurance (@3% on C)				6684.51
E				<b>Total Rs.</b>	229501.51
F	T&P @ 2% of E				4590.03
G	Contingency @ 3% of E				6885.05
H	Transportation @ 7.5% of E				17212.61
I	Erection charges @ 5 % of E				11475.08
J	Sub-Total				269664.27
<b>SCOPE-B</b>	<b>Installation of 100 KVA 11/0.4KV Plinth mounted sub station using 9 mtr long 100x116 mm RS Joist pole .- 1 No.</b>				
1	100x50x6mm MS channel	K.g	52	60	3120.00
2	75x40x6mm MS channel	K.g	130	60	7800.00
3	50x50x6mm MS Angle	K.g	91	60	5460.00
4	11 KV AB switch 3 pole(200A)	set	1	9000.00	9000.00
5	11KV HG fuse 3pole (400A)	No	1	7000.00	7000.00
6	11KV L.A-12KV-10KA	No.	3	1500.00	4500.00
7	HT Stay Set (Complete)	Set	2	700.00	1400.00
8	HT Stay Insulator	No.	2	40.00	80.00
9	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	146.25	292.50
10	7/10 SWG Stay Wire	KG	20	75.00	1500.00
11	GI Pipe for earthing 40mm dia 3mtr long	No	5	1500.00	7500.00
12	NO-6 GI wire	Kg	20	60.00	1200.00
13	40x6 mm GI Flat for netural	Kg	20	60.00	1200.00

14	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		
				<b>1753.90</b>	<b>3507.80</b>
15	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		
				<b>1999.38</b>	<b>3998.76</b>
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		
				<b>512.40</b>	<b>1024.80</b>
17	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5		
				<b>1719.90</b>	<b>8599.50</b>
18	55 sq. mm AAA Conductor	Km	0.04	<b>30000.00</b>	<b>1200.00</b>
19	Red Oxide Paint	Ltr	3	<b>85.00</b>	<b>255.00</b>
20	Alluminium Paint	Ltr	4	<b>95.00</b>	<b>380.00</b>
21	Black Paint	Ltr	0.5	<b>85.00</b>	<b>42.50</b>
22	Ms nut bolt & Washer	Kg	36	<b>75.00</b>	<b>2700.00</b>
23	LT Distrubution Box including kitkat fuse with MCCB for 100 kVA S/S .	No	1	<b>24600.00</b>	<b>24600.00</b>
24	3 1/2 x150 mm2 PVC cable for )100 kva Tfr.	Mtr	25	<b>470.00</b>	<b>11750.00</b>
25	Plinth for TFR. 6 ft. height(below GL 2 ft.)x5ftx5ft	No	1	<b>12000.00</b>	<b>12000.00</b>
26	Construction of boundary wall ,sand filling,and metal spreading,Fixing of iron grill gate etc.	No	1	<b>31500.00</b>	<b>31500.00</b>
27	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing All. Socket etc.	LS	1	<b>3100.00</b>	<b>3100.00</b>
A	Total Rs.(as per 2013-14 cost data)				<b>154710.86</b>
B	Cost of Escalation @8% per annumX 5= 40%				<b>61884.34</b>
C				<b>Total Rs.</b>	<b>216595.20</b>
D	Stock,storage and insurance (@3% on C)				<b>6497.86</b>
E				<b>Total Rs.</b>	<b>223093.06</b>
F	T&P @ 2% of E				<b>4461.86</b>
G	Contingency @ 3% of E				<b>6692.79</b>
H	Transportation @ 7.5% of E				<b>16731.98</b>
I	Erection charges @ 10 % of E				<b>22309.31</b>
J	Sub-Total				<b>273289.00</b>
1	8 mtr long 200 KG psc pole	No	10	<b>2000.00</b>	<b>20000.00</b>
A	Total Rs.(as per 2013-14 cost data)				<b>20000.00</b>
B	Cost of Escalation @8% per annumX 5= 40%				<b>8000.00</b>

C				<b>Total Rs.</b>	<b>28000.00</b>
D	Stock,storage and insurance (@3% on C)				<b>840.00</b>
E				<b>Total Rs.</b>	<b>28840.00</b>
F	T&P @ 2% of E				<b>576.80</b>
G	Contingency @ 3% of E				<b>865.20</b>
H	Transportation @ 7.5% of E				<b>2163.00</b>
I	Erection charges @ 20 % of E				<b>5768.00</b>
J	Sub-Total				<b>38213.00</b>
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable.-0.5 Ckt Km with 8 Mtr. Long PSC Pole.</b>				
1	Concrete slab for base plate size 2ftx2ftx2" thickness for each psc pole	No.	10	<b>367.50</b>	<b>3675.00</b>
2	L.T Stay set (Complete )	Set	4	<b>510.00</b>	<b>2040.00</b>
3	7/12 SWG Stay Wire	Kg	40	<b>75.00</b>	<b>3000.00</b>
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	<b>105.00</b>	<b>420.00</b>
5	L.T Stay Insulator	No.	4	<b>25.00</b>	<b>100.00</b>
6	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	4	<b>1753.90</b>	<b>7015.60</b>
7	2 Ph 3 W X arm 4.82 kg each	No	10	<b>362.00</b>	<b>3620.00</b>
8	X arm back clamp 0.85 kg each	No	10	<b>63.75</b>	<b>637.50</b>
9	Nuts and bolts	Kg	5	<b>75.00</b>	<b>375.00</b>
10	LT shackle insulator	No	18	<b>25.00</b>	<b>450.00</b>
11	GI strap and bolt	Pair	18	<b>50.00</b>	<b>900.00</b>
12	34 sq. mm AAAC for jumpering	Km	0.01	<b>22000.00</b>	<b>220.00</b>
13	Earthing Coil each 5th pole to earth	No	2	<b>183.30</b>	<b>366.60</b>
14	AB cable(3x50+1x35+1x16 sq. mm)	Km	0.515	<b>170000.00</b>	<b>87550.00</b>
15	Insulated piercing connector main 25 to 95 Tap 10 to 95 sq. mm	No	25	<b>500.00</b>	<b>12500.00</b>
16	Red Oxide Paint	Ltr	1	<b>85.00</b>	<b>85.00</b>
17	Alluminium Paint	Ltr	1	<b>95.00</b>	<b>95.00</b>
18	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	<b>1000.00</b>	<b>1000.00</b>
A	TOTAL MATERIAL COST IN RS.(During 2013-14)				<b>124049.70</b>
B	Cost of Escalation @8% per annumX 5=40%				<b>49619.88</b>
C				<b>Total Rs.</b>	<b>173669.58</b>
D	Stock,storage and insurance (@3% on C)				<b>5210.09</b>
E				<b>Total Rs.</b>	<b>178879.67</b>
F	T&P @ 2% of E				<b>3577.59</b>
G	Contingency @ 3% of E				<b>5366.39</b>
H	Transportation @ 7.5% of E				<b>13415.98</b>
I	Erection charges @ 10% of E				<b>17887.97</b>
J	Sub-Total				<b>219127.59</b>
K	Total Rs.				<b>854185.39</b>

L	Total Estimated Cost in Figures				<b>854185.00</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/-  
Consultant(Elect.)**

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

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