

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 6-E+18-F TYPE QTRS. AT SUNAPANGA ,BALIGUDA IN THE DIST. OF KANDHAMAL.					
BID REF NO.- 25/JM/ELECT/OPHWC/2019-20					
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 300 KG PSC Pole with 3x35 sq. mm XLPE Cable -0.2 Km				
1	9 mtr. Long 300 KG PSC Pole	No.	4	3000.00	12000.00
2	8 mtr. Long 200 KG PSC Pole(for strut)	No.	1	2000.00	2000.00
3	Straight channel -75x40x6 mm for straight cross arm 1.2 Mtrs. Each 2 Nos.	Kg	16.32	65.00	1060.80
4	11 KV V Cross Arm(10.2 kg each)	No.	4	810.00	3240.00
5	GI Back clamp for 11 KV 'V' cross arm	No.	4	80.00	320.00
6	Top F clamp	No.	4	105.00	420.00
7	11KV Disc insulator T&C	No.	3	290.00	870.00
8	11KV H.W Fittings T&C	No.	3	130.00	390.00
9	11KV Pin Insulator (Polymer)	No.	14	80.00	1120.00
10	11 KV GI Pin	No.	14	80.00	1120.00
11	Cocncreting of padding/ support C.C 1:3:6 , using 40 mm BHG metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	5	1270.00	6350.00
12	Earthing coil for support	No.	4	166.00	664.00
13	Danger board	No.	4	80.00	320.00
14	RCC Base Plate	No.	5	291.00	1455.00
15	11 KV55 sq. mm AAAC	Km	0.606	30000.00	18180.00
16	MS,nut,bolt & washer of different sizes	Kg	5	75.00	375.00
17	Sundries (All. binding tape,insulating tape,antclimbing device,paint etc.)	LS	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.				50884.80
SCOPE-B	Installation of 100 KVA(Star Rated) 11/0.4KV Plinth mounted sub station using 9 mtr. Long 300 KG PSC Pole .- 1 No.				
1	9 mtr long 300Kg PSC pole	No.	2	3000.00	6000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	51.52	65.00	3348.80
3	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76.16	65.00	4950.40
4	Cantilever Channel for supporting HG Fuse 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	65.00	884.00
5	Cantilever Channel for supporting HG Fuse 50x50x6mm. 1 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	65.00	585.00
6	Angel for cantilever arrangement for AB switch and HG Fuse 50x50x6mm 2 Mtr. Longx2 Nos.(4.5Kg./mtr)	Kg.	18	65.00	1170.00

7	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	22.5	65.00	1462.50
8	11KV Disc insulator(T&C)	No.	3	290.00	870.00
9	11KV H/W Fittings (T&C)type	No.	3	130.00	390.00
10	11KV AB switch	Set	1	11850.00	11850.00
11	11KV HG fuse	Set	1	6120.00	6120.00
12	12 KV 10KA LA	No.	3	3550.00	10650.00
13	LT Distribution box with MCCB Box	No	1	24419.00	24419.00
14	HT stay set (Complete)	No.	2	1050.00	2100.00
15	stay Insulator	No.	2	50.00	100.00
16	Stay clamp	pair	2	125.00	250.00
17	7/10 SWG GI Saty wire	Kg	20	75.00	1500.00
18	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	Kg	3	1050.00	3150.00
19	Earthing coil for support	Noi	2	166.00	332.00
20	25x6 mm GI Flat for earthing	Kg	20	75.00	1500.00
21	25x6 mm GI flat for Lightning Arrester	Kg	16	75.00	1200.00
22	Cocncreting of stay C.C 1:3:6 , using 40 mm BHG metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	2	1270.00	2540.00
23	Cocncreting of pole support C.C 1:3:6 , using 40 mm BHG metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	2	1270.00	2540.00
24	Materials for Massionary work for earth Pit, Charcoal, Salt etc for earthing	No.	3	1723.00	5169.00
25	Clamp connector and jumpering material	Ls	1	850.00	850.00
26	100 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	117000.00	117000.00
27	1Cx95 sq. mm (Armoured)LT XLPE cable(from transformer to box)	Mtr.	32	147.00	4704.00
28	1Cx70 sq. mm (Un Armoured)LT XLPE cable(from D Box to LT Line)	Mtr.	28	74.00	2072.00
29	socket and other cable accessories	Ls	1	450.00	450.00
30	MS nut bolt & Washer	Kg	36	75.00	2700.00
31	Danger board	No	2	80.00	160.00
32	Base plate for support	No	2	291.00	582.00
33	RCC plinth for 100 KVA transformer having CC work 2 Mtrx2 Mtrx0.9 Mtr.under the ground level & 1.8 Mtr.x1.8 Mtr.x1.8 Mtr above the ground level	Ls	1	21269.00	21269.00
34	Construction of barbed wire fencing with sand & metal spreading to the new DPM sub-station with size 8'x12' with 10 Nos. RCC pillar with GI barbed wire.	No.	1	13312.00	13312.00
35	Sundries (All. binding tape,insulating tape,antclimbing device,paint etc.)	LS	1	1000.00	1000.00
B	TOTAL MATERIAL COST IN RS.				257179.70
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm LT XLPE AB Cable over 8 Mtr. Long 200 KG PSC pole .-0.58 Km				
1	8 Mtr. Long 200 KG psc pole	No	24	2000.00	48000.00
2	L.T Stay set (Complete)	Set	11	520.00	5720.00
3	L.T Stay Insulator	No.	11	30.00	330.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	11	158.00	1738.00
5	7/12 GI Stay Wire	Kg	110	75.00	8250.00
6	Coccrete material for stay anchor plate	No.	10	1200.00	12000.00

7	Dead end clamp with I Hook	No.	10	377.00	3770.00
8	Suspension clamp I Hook	No	14	401.00	5614.00
9	3x50+1x35+1x16 sq.mm LT XLPE AB Cable	Km	0.58	140000.00	81200.00
10	Piercing connector	No.	24	56.00	1344.00
11	Neutral connector	No.	24	32.00	768.00
12	Concrete material for support /pole	No.	24	443.00	10632.00
13	Base plate for support	No.	24	291.00	6984.00
14	MS Nuts, bolts & washers	Kg	20	95.00	1900.00
15	Saundries	Ls	1	1000.00	1000.00
C	TOTAL MATERIAL COST IN RS.				189250.00
A	Total(A+B+C)				497314.50
B	Stock,storage and insurance (@3% on A)				14919.44
C	TOTAL RS.				512233.94
D	T&P @ 2% of C				10244.68
E	Contingency @ 3% of C				15367.02
F	Transportation @ 7.5% of C				38417.55
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				52201.89
H	TOTAL RS.				628465.07
I	Total Estimated Cost in Figures				628465.00
EXCESS <input type="checkbox"/>		LESS <input type="checkbox"/>		(Please Tick) _____%	
Quoted Amount in Figure					
Quoted Amount in words					

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

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager[Elect.]**

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

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

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