

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 FOOD PROCESSING UNIT,FLY ASH BRICK UNIT,32-F+10-E+4-D+1-C+4-D TYPE QTRS. AT CIRCLE JAIL,BERHAMPURE IN THE DIST. OF GANJAM.					
BID REF NO.- 01/JM/ELECT/OPHWC/2020-21					
Bidder Name					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	I. Construction of 3 ph 3 wire 11 KV OH line with 55 sq. mm AAA Conductor - 0.02 Km (1 SPAN)				
1	11 KV Disc Insulator (B & S)Polymer	No.	6	860.00	5160.00
2	11 KV Hard wire fittings (B & S)	No.	6	350.00	2100.00
3	55 sq. mm AAAC	Km	0.063	30000.00	1890.00
4	Sundries (Paint,Danger Board, All. binding tape,insulating tape,antclimbing device,clamp connector,jumpering etc.)	LS	1	500.00	500.00
A	TOTAL RS.				9650.00
B	Stock,storage and insurance (@3% on A)				289.50
C	TOTAL RS.(A+B=C)				9939.50
D	T&P @ 2% of C				198.79
E	Contingency @ 3% of C				298.19
F	Transportation @ 7.5% of C				745.46
G	Erection charges @ 10% on others				993.95
H	Total Rs.				12175.89
SCOPE-B	II. Installation of 250 KVA(BIS Energy Level-II) 11/0.4KV Plinth mounted sub station - 1 No.				
1	150x150 mm RS Joist pole 10 Mtr. Long	Kg	692	65.00	44980.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	65.00	3348.80
3	AB switch mounting channel(GI)(75x40x6)mm,each 2.8 mtr Long,4 nos(6.8Kg/mtr)	K.g	51.52	65.00	3348.80
4	HG Fuse mounting channel(GI)(75x40x6)mm,each 2.8 mtr Long,4 nos(6.8Kg/mtr)	K.g	38.08	65.00	2475.20
5	Channel for Cantilever arrangement, (75x40x6)mm,(6.8Kg/mtr)	K.g	13.6	65.00	884.00
6	Angle for Cantilever arrangement, (75x40x6)mm,(6.8Kg/mtr)	K.g	13.5	65.00	877.50
7	Transformer mounting channel 100x50x6mm-9.2 Kg per mtr)	Kg	51.52	65.00	3348.80
8	Transformer belting Angle 50x50x6mm-4.45Kg per mtr)(Total 7 mtr)	Kg	31.5	65.00	2047.50
9	Angle for Mounting LT distribution Box (50x50x6) mm MS Angle(GI)- 2.8 mtr Long,2 nos(4.5Kg/Mtr)	K.g	13.5	65.00	877.50
10	75x40x6 mm MS channel for L.A	Kg	13.8	65.00	897.00
11	Galvanisation of all MS material	Kg	970.54	10.80	10481.83
12	11 KV AB switch 3 pole (400Amp)	Set	1	11850.00	11850.00
13	11 KV HG fuse 3 pole 400 Amp	Set	1	11530.00	11530.00

14	11 KV LA(12 KV,5 KA class)	No.	3	2250.00	6750.00
15	11 KV Hard wire fittings (B & S)	No.	3	350.00	1050.00
16	11 KV Disc Insulator (B & S)70 KN	No.	3	860.00	2580.00
17	HT Stay Set complete	Set	2	1050.00	2100.00
18	HT stay insulator	No.	2	50.00	100.00
19	Stay Clamp	Pair	2	125.00	250.00
20	7/10 SWG GI Stay Wire	Kg	20	75.00	1500.00
21	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	2	1270.00	2540.00
22	GI Pipe Earthing 40 dia medium gauge 2.5 mtrs. Long	No.	5	1050.00	5250.00
23	25x6 mm GI flat	Kg	50	75.00	3750.00
24	LT Distribution box with MCCB, Aluminium Bus bar for 3 Bay with Kit kat fuse for 250 KVA S/S.	No.	1	48000.00	48000.00
25	250 KVA, 11/0.4 KV transformer (BIS Energy Level II)	No.	1	268450.00	268450.00
26	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	2	1270.00	2540.00
27	Couping with C.C-1:3:6 by using 12 mm size hard broken granite chips=0.3 Mtrx0.3 Mtrx0.45 Mtr.=0.0405 cum or 0.041 cum	No	2	193.00	386.00
28	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	5	1595.66	7978.30
29	GI Nut ,Bolt and Washer	Kg	35	78.00	2730.00
30	55 sq. mm AAA conductor	Km	0.05	30000.00	1500.00
31	1Cx150 sq.mm LT XLPE cable(Armoured)	Mtr.	32	210.00	6720.00
32	RCC Base Plate	No	2	280.00	560.00
33	Earthing device coil type	No	2	166.00	332.00
34	Danger plate	No	2	80.00	160.00
35	Boundary wall with Iron gate as per southco specification	Ls	1	36099.00	36099.00
36	Filling sand@Rs.431/cmtfor(8ftx12ftx1/2ft)=48 ft=1.359cmt	Ls	1	587.00	587.00
37	40 mm size HBG metal @ 981.36/cmt for 8ftx12ftx1/4ft)=24 cft=0.679 cmt	Ls	1	667.00	667.00
38	Plinth of height 2.1 Mtr. From ground level with CC as per PWD code for mounting Distribution Transformer	No	1	17496.00	17496.00
39	Sundries (All. binding tape,insulating tape,antclimbing device,clamp connector,jumpering etc.)	LS	1	2000.00	2000.00
A	TOTAL RS.				519022.23
B	Stock,storage and insurance (@3% on A)				15570.67
C	TOTAL RS.(A+B=C)				534592.90
D	T&P @ 2% of C				10691.86
E	Contingency @ 3% of C				16037.79
F	Transportation @ 7.5% of C				40094.47
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				37317.64
H	Total Rs.				638734.65

SCOPE-C	Construction of 3 ph 5 wire LT Line with 3x95+1x70+1x16 sq. mm LT XLPE cable & 9 Nos. 8 Mtrs. PSC Pole(Double Circuit)-0.3 KM and Construction of LT OH Line with 3x95+1x70+1x16 sq. mm LT XLPE AB Cable & 23 Nos. 8 Mtrs. PSC Pole(single Circuit)-0.65 Km(20 spans)				
1	8 Mtr. Long 200 Kg PSC Pole	No	32	2000.00	64000.00
2	8 Mtr. Long 200 Kg PSC Pole(stud)	No	7	2000.00	14000.00
3	Stud clamp(1.4 Kg/pair)	Pair	7	118.80	831.60
4	Suspension clamp with I hook	No	21	340.00	7140.00
5	Dead End clamp with I hook	No	43	65.00	2795.00
6	Pole clamp for eye Hook for (XLPE Aerial Bunched cable)	No	32	200.00	6400.00
7	Piercing Connector	No	7	80.00	560.00
8	LT stay set complete	Set	25	520.00	13000.00
9	7/12 SWG GI stay wire	Kg.	200	75.00	15000.00
10	LT stay clamp(1.4 kg/pair)	Pair	25	118.80	2970.00
11	LT stay set Insulator	No.	25	32.40	810.00
12	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	25	1160.00	29000.00
13	AB Cable (3x95+1x70+1x16 mm ²)	Mtr.	1312.5	243.00	318937.50
14	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	39	1270.00	49530.00
15	Couping with C.C-1:3:6 by using 12 mm size hard broken granite chips=0.3 Mtrx0.3 Mtrx0.45 Mtr.=0.0405 cum or 0.041 cum	No	39	193.00	7527.00
16	Earthing of support coil type	No.	32	166.00	5312.00
17	Danger Plate	No.	32	80.00	2560.00
18	GI Nuts and bolts of assorted size	Kg	35	78.00	2730.00
19	Sundries for survey, tree cutting ,small size nut & bolt Allm. Binding wire/tape & Danger Board.	LS	1	500.00	500.00
A	TOTAL RS.				543603.10
B	Stock,storage and insurance (@3% on A)				16308.09
C	TOTAL RS.(A+B=C)				559911.19
D	T&P @ 2% of C				11198.22
E	Contingency @ 3% of C				16797.34
F	Transportation @ 7.5% of C				41993.34
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				64025.10
H	Total				693925.19
20	Total Estimated Cost				1344835.73
21	Total Estimated Cost in Figures				13,44,836.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____%
Quoted Amount in Figure					

Quoted Amount in words	
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N:B- The Estimated cost is exclusive of GST.

Signature of Tenderer with seal

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

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

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

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