

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 AN CELL & 40 MEN BARRACK DVF BOUDH IN THE DIST. OF BOUDH.					
BID REF NO.- 09/JM/ELECT/OPHWC/2020-21					
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	I. Construction of 3 ph 3 wire 11 KV OH line with 55 sq. mm AAA Conductor - 0.01 Km				
1	9 mtr. Long 300 Kg PSC Pole	No	1	3000.00	3000.00
2	Straight Channel -100x50x6 mm(9.2 kg/mtr.)	Kg	26.68	65.00	1734.20
3	11 kv v cross Arm	No.	1	810.00	810.00
4	Back clamp for V cross arm	No	1	80.00	80.00
5	Top F clamp	No.	1	240.00	240.00
6	11 KV Hard wire fittings (B & S)	No.	3	130.00	390.00
7	11 KV Disc Insulator (B & S)70 KN	No.	3	290.00	870.00
8	11 KV Pin Insulator	No.	5	80.00	400.00
9	11 KV GI Pin	No.	5	80.00	400.00
10	HT Stay Set complete	Set	1	1050.00	1050.00
11	HT stay insulator	No.	1	50.00	50.00
12	Stay Clamp	Pair	1	125.00	125.00
13	7/10 SWG GI Stay Wire	Kg	10	75.00	750.00
14	Cement concreting for stay anchor plate	No.	1	1270.00	1270.00
15	Concrete material for support/pole	No.	1	1463.00	1463.00
16	Earthing of support(coil type)	No	1	166.00	166.00
17	Danger Board	No	1	80.00	80.00
18	RCC Base Plate	No	1	291.00	291.00
19	55 sq. mm AAAC	Km	0.03	30000.00	900.00
20	MS Nut,Bolt & washers of different sizes	Kg	2	71.00	142.00
21	Sundries	Ls	1	200.00	200.00
A	TOTAL RS.				14411.20
B	Stock,storage and insurance (@3% on A)				432.34
C	TOTAL RS.(A+B=C)				14843.54
D	T&P @ 2% of C				296.87
E	Contingency @ 3% of C				445.31
F	Transportation @ 7.5% of C				1113.27
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				1793.35
H	Total				18492.33
SCOPE-B	II. Installation of 63 KVA(BIS Energy Leve-II) 11/0.4KV DP mounted sub station using 9 mtr. Long 300 KG PSC Pole - 1 No.				
1	9 mtr. Long 300 KG PSC Pole	No.	2	3000.00	6000.00
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	Transformer mounting channel 100x50x6mm GI channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	65.00	3348.80
4	AB switch & HG Fuse , mounting channel(GI)(75x40x6)mm,each 2.8 mtr Long,4 nos(6.8Kg/mtr)	K.g	76.16	65.00	4950.40
5	Cantilever channel for supporting HG Fuse (75x40x6)mm,each 1 mtr Long,2 nos(6.8Kg/mtr)	K.g	13.6	65.00	884.00

6	Cantilever channel for supporting HG Fuse (50x50x6)mm,each 1 mtr Long,2 nos(4.5Kg/mtr)	K.g	9	65.00	585.00
7	Angle for Cantilever arrangement for AB switch and HG Fuse(50x540x6)mm,2 Mtr. Longx2 Nos.(4.5Kg/mtr)	K.g	18	65.00	1170.00
8	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(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	22.5	65.00	1462.50
10	11 KV Disc Insulator (T & C)Double Disc arrangement.	No.	6	290.00	1740.00
11	11 KV Hard wire fittings (T & C)type	No.	3	130.00	390.00
12	11 KV AB switch 3 pole	Set	1	7350.00	7350.00
13	11 KV HG fuse 3 pole	Set	1	6120.00	6120.00
14	11 KV LA	No.	3	3550.00	10650.00
15	LT Distribution box including MCCB Box	No.	1	18322.00	18322.00
16	HT Stay Set complete	Set	2	1050.00	2100.00
17	HT stay insulator	No.	2	50.00	100.00
18	Stay Clamp	Pair	2	125.00	250.00
19	7/10 SWG GI Stay Wire	Kg	20	75.00	1500.00
20	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	5	1050.00	5250.00
21	Earthing of support(coil type)	No	2	166.00	332.00
22	No. 6 GI Wire for earthing	Kg	25	75.00	1875.00
23	25x6 mm GI flat for earthing	Kg	10	75.00	750.00
24	Concrete material for stay anchor plate	No	2	1270.00	2540.00
25	Concreting and Couping for support	No	2	1463.00	2926.00
26	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	5	1723.00	8615.00
27	Clamp connector and jumpering materials	Ls	1	850.00	850.00
28	63 KVA, 11/0.4 KV transformer (BIS Energy Level II)	No.	1	86500.00	86500.00
29	LT 3.5 core PVC cable 95 sq. mm	Mtr.	15	333.00	4995.00
30	Socket & other cable accessories	Ls	1	450.00	450.00
31	MS Nut,Bolt & washers of different sizes	Kg	36	71.00	2556.00
32	Danger Board	No	2	80.00	160.00
33	Base plate for support	No	2	291.00	582.00
34	Fencing size 8'x12' with 10 nos RCC piller and 3 Ply GI barbed wire & grill gate & locking arrangement	Ls	1	8500.00	8500.00
35	Sand and metal spreading	Ls	1	2550.00	2550.00
36	Sundries for Al. Binding tape,Insulation tape,Anticlimbing device,paint,danger Board,clamp connector,jumpering materials,painting,socket and other cable accessories.	LS	1	1000.00	1000.00
A	TOTAL RS.				202750.00
B	Stock,storage and insurance (@3% on A)				6082.50
C	TOTAL RS.(A+B=C)				208832.50
D	T&P @ 2% of C				4176.65
E	Contingency @ 3% of C				6264.98
F	Transportation @ 7.5% of C				15662.44

G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				17046.50
H	Total				251983.06
SCOPE-C	Construction of 3 ph 5 wire LT Line with 3x50+1x35+1x16 sq. mm LT XLPE cable -0.5 Km				
1	8 Mtr. Long 200 Kg PSC Pole	No	12	2000.00	24000.00
2	LT stay set complete	Set	4	520.00	2080.00
3	LT stay clamp	Pair	4	158.00	632.00
4	LT stay set Insulator	No.	4	30.00	120.00
5	Guy strip Dead end	No	3	65.00	195.00
6	7/12 SWG GI stay wire	Kg.	32	75.00	2400.00
7	Concrete material for stay anchor plate	No	4	1200.00	4800.00
8	Pole clamp	Pair	12	200.00	2400.00
9	Dead End clamp with I hook	No	3	377.00	1131.00
10	Suspension clamp with I hook	No	9	401.00	3609.00
11	LT XLPE AB Cable (3x50+1x35+1x16 mm ²)	Km	0.52	140000.00	72800.00
12	Concrete material for support/pole	No	12	443.00	5316.00
13	Earthing coil type for support/pole	No	12	166.00	1992.00
14	RCC Base Plate	No	12	291.00	3492.00
15	MS Nut,Bolt & washers of different sizes	Kg	6	71.00	426.00
16	Sundries	Ls	1	400.00	400.00
A	TOTAL RS.				125793.00
B	Stock,storage and insurance (@3% on A)				3773.79
C	TOTAL RS.(A+B=C)				129566.79
D	T&P @ 2% of C				2591.34
E	Contingency @ 3% of C				3887.00
F	Transportation @ 7.5% of C				9717.51
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				15428.68
H	Total				161191.32
J	TOTAL ESTIMATED COST				431666.71
K	Total Estimated Cost in Figures				4,31,667.00
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/-
Joint Manager(Elect.)**