

**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 DHANMANDAL OUT POST IN
THE DIST. OF JAJPUR.**

BID REF NO.- 27/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 10 mtr. Long 150x150 mm RS Joist with 55 sq. mm Insulated Conductor -0.5 Km				
1	10 mtr. Long 150x150 mm RS Joist 34.6 kg each	Kg	3114	65.00	202410.00
2	11KV "V" Cross arm(10.2Kg Each)	No	6	810.00	4860.00
3	Top bracket (75x40 mm MS Channel)(1.3 Kg each)	No	6	100.00	600.00
4	11KV GI Pin	No	27	80.00	2160.00
5	11KV Pin Insulator	No	27	80.00	2160.00
6	11KV H.W Fitting(B&S)70 KN	No	21	351.00	7371.00
7	11KV Disc insulator(B&S)70KN(Double)	No	42	390.00	16380.00
8	HT Stay set complete	No	7	1050.00	7350.00
9	HT Stay Insulator	No	7	50.00	350.00
10	Fixing of 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.	7	1753.90	12277.30
11	HT Stay Clamp(1.95 K.g/Pair)	Pair	7	125.00	875.00
12	7/10 SWG Stay Wire	Kg	70	75.00	5250.00
13	Earthing of support(Coil type)GI	No	9	166.00	1494.00
14	55 mm ² Insulated conductor	Km	1.53	54200.00	82926.00
15	Concreting slab for base plate size2ftx2ftx2" thickness for each psc pin point	No	9	367.50	3307.50
16	Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=0.570Cum padding 900x600x150 mm =0.081cum 0.651 cum	No	3	1999.38	5998.14
17	Red Oxide paint	Ltr	5	150	750
18	All. Paint	Ltr	5	200	1000
19	GI barbed wire anticlimbing device 2 Kg per support	Kg	18	80.00	1440.00

20	100x50x6 mm MS Channel for cut-point	Kg	104	65.00	6760.00
21	MS Nut,Bolt & washer of different sizes	Kg	90	71.00	6390.00
22	Sundries for survey,tree cutting ,small size Nut & bolt ,Aluminium Binding wire /Tape and Danger Board 4nos.etc .	LS	1	1000.00	1000.00
					373108.94
SCOPE-B	Installation of 25 KVA(3 Star Rated) 11/0.4KV Plinth mounted sub station using 10 mtr. Long 150x150 mm RS Joist - 1 No.				
1	10 mtr. Long 150x150 mm RS Joist 34.6 kg each	K.g	692	65.00	44980.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	65.00	3348.80
3	Transfor mounting channel 100x50x6 mm GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos..	K.g	51.52	65.00	3348.80
4	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	65.00	4950.40
5	Cantilever channel for supporting AB Switch Arm ,75x40x6mm MS Angle 1 mtr long 2nos (6.8Kg/mtr)	K.g	13.6	65.00	884.00
6	Cantilever channel for supporting HG fuse ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr)	No.	9	65.00	585.00
7	Angle for cantilever arrangement for AB Switch & HG fuse 50x50x6 mm - 2mtr each 2nos (4.5 Kg per mtr)	Kg	18	65.00	1170.00
8	Transfor belting angel 50x50x6 mm 2.8 Mtr. Long 2 Nos. (4.5 Kg/Mtr.) with side angel (total 7 Mtr.)GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos.	K.g	31.5	65.00	2047.50
9	Angle for mounting LT distribution Box 50x50x6 mm MS angel-2.5mtr each long 2nos (4.5 KGg per mtr)	Kg	22.5	65.00	1462.50
10	11KV H.W Fitting(B&S)	No	3	351.00	1053.00
11	11KV Disc insulator(B&S)70KN(Double Disc)	No	6	390.00	2340.00
12	11 KV AB switch 3 pole(200A)	set	1	7350.00	7350.00
13	11KV HG fuse 3pole (200A)	No	1	6120.00	6120.00
14	11KV L.A-12KV-10KA	No.	3	3550.00	10650.00

15	HT Stay Insulator	No.	2	50.00	100.00
16	HT saty set complete	No.	2	1050.00	2100.00
17	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
18	7/10 SWG Stay Wire	KG	20	75.00	1500.00
19	GI Pipe for earthing 40mm dia 3mtr long	No	5	1050.00	5250.00
20	No. 6 GI wire	Kg	20	75.00	1500.00
21	40x6 mm GI Flat for netural	Kg	20	75.00	1500.00
22	Fixing of stay set with 0.5 cum cement concreet 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	1753.90	3507.80
23	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	1999.38	3998.76
24	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
25	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
26	55mm2 AAAC	Km	0.04	30000.00	1200.00
27	Red Oxide paint	Ltr	2	150	300
28	All. Paint	Ltr	2	200	400
29	MS nut bolt & Washer	Kg	36	71.00	2556.00
30	25 KVA 11/.4 KV TFR AL.	No	1	53800.00	53800.00
31	LT Distrubution Box including kitkat fuse with MCCB for 25 kVA S/S	No	1	14930.00	14930.00
32	3 1/2 C x35 mm2 PVC cable for 25 KVA Tfr.	Mtr	15	152.00	2280.00
33	Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate.	LS	1	31500.00	31500.00
34	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc.	LS	1	3100.00	3100.00
35					229686.86

A	TOTAL MATERIAL COST IN RS.(During 2013-14)				602795.80
B	Stock,storage and insurance (@3% on A)				18083.87
C	Total Rs.				620879.67
D	Contingency @ 3% on C				18626.39
E	T&P @ 2% of C				12417.59
F	Transportation @ 7.5% of C				46565.98
G	Erection charges @ 5% on Joist Pole and DTR,@ 20% on PSC Pole and @10% on other materials				46576.69
H	TOTAL RS.				745066.32
I	Total Estimated Cost in Figures				745066.00
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/-
APM Elect. (Hqr.)**

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

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