

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 3-E+8-F TYPE QTRS. AT NISCHINTAKOILI FIRE STATION IN THE DIST. OF CUTTACK.

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	Construction of 3 ph 3 wire 11 KV line -0.150 KM				
1	100x116 mm RS Joist pole 11 Mtr. Long	No	3	16445.00	49335.00
2	11 kv v cross Arm 10.2 kg each	No.	2	810.00	1620.00
3	Top Bracket 100x50 mm MS Channel	No.	2	150.00	300.00
4	Back clamp for V cross arm 0.85 kg each	No	2	80.00	160.00
5	11 KV Pin Insulator	No.	3	200.00	600.00
6	11 KV Disc Insulator (B & S) 70 KN	No.	9	1150.00	10350.00
7	HT Stay Set complete	Set	2	1050.00	2100.00
8	HT stay insulator	No.	2	50.00	100.00
9	Fixing of stay set with 0.5 Cum 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
10	Stay Clamp	Pair	2	125.00	250.00
11	7/10 SWG GI Stay Wire	Kg	20	75.00	1500.00
12	Earthing of support coil type	No	3	166.00	498.00
13	Materials for massonary work for eathpit, charcoal, salt etc including construction of earthing chamber (size : 2"x2") & RCC slab cover	No	3	1719.90	5159.70
14	55 sq. mm insulated conductor	Km	0.45	50000.00	22500.00
15	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
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	3	512.40	1537.20
17	Red Oxide paint	Ltr	6	220.00	1320.00
18	Aluminium paint	Ltr	6	200.00	1200.00
19	GI barbed wire anti climbing device 3 kg per support	No	10	80.00	800.00

20	100 x 50 x 6 mm MS channel	Kg	85	65.00	5525.00
21	GI Nut ,Bolt & washer of Different sizes for S.P cut point	Kg	12	78.00	936.00
22	Sundries for survey, tree cutting ,small size nut & bolt Allm. Binding wire/tape & Danger Board.	LS	1	500.00	500.00
SCOPE-B	Installation of 63 KVA(Star Rated) 11/0.4KV DP mounted sub station using 10 mtr. Long 116x100 mm RS Joist - 1 No.				
1	11 mtr. Long 116x100 mm RS Joist	No.	2	16445.00	32890.00
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	11 KV AB switch 3 pole(400A)	set	1	11850.00	11850.00
11	11KV HG fuse 3pole (400A)	No	1	11530.00	11530.00
12	11KV L.A-12KV-10KA	No.	3	3550.00	10650.00
13	HT saty set complete	No.	2	1050.00	2100.00
14	HT Stay Insulator	No.	2	50.00	100.00
15	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
16	7/10 SWG Stay Wire	KG	20	75.00	1500.00

17	GI Pipe for earthing 40mm dia 3mtr long	No	5	1050.00	5250.00
18	No. 6 GI wire	Kg	20	75.00	1500.00
19	40x6 mm GI Flat for netural	Kg	20	75.00	1500.00
20	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	1753.90	3507.80
21	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
22	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
23	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
24	Red Oxide paint	Ltr	8	220.00	1760.00
25	All. Paint	Ltr	8	200.00	1600.00
26	GI nut bolt & Washer	Kg	36	78.00	2808.00
27	63 KVA 11/.4 KV TFR AL.	No	1	86500.00	86500.00
28	LT Distrubution Box including kitkat fuse with MCCB for 63 kVA S/S	No	1	18322.00	18322.00
29	3 1/2 C x95 mm2 PVC cable for 63 KVA Tfr.	Mtr	15	333.00	4995.00
30	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
31	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
SCOPE-C	Construction of 3 Ph 4 W LT Line with 3x50+1x35 sq. mm AB cable-0.15 KM.				
1	8 Mtr. Long 200 KG PSC Pole	No	5	2000.00	10000.00

2	Concrete slab for base plate size 2ftx2ftx2" thickness for each PSC pin point	No	5	364.50	1822.50
3	CC (1:4:8) using 40mm. BHG metal size (5'x2'x2'=20CFt.=0:570 CuM) and padding (900x600x150mm.=0.081 CuM), Total=0.651 CuM for each PSC Cut Point, 9Mtr. Long/ all RSJ Pole 9Mtr. Long	No	5	1999.38	9996.90
4	L.T Stay set (Complete)	Set	5	520.00	2600.00
5	7/12 SWG Stay Wire	Kg	50	75.00	3750.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Kg	5	110.00	550.00
7	L.T Stay Insulator	No.	5	30.00	150.00
8	Fixing and concreting 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	5	1753.89	8769.45
9	100 x 50 x 6 mm MS channel	Kg	25	65.00	1625.00
10	LT Pin insulator	No	4	20.00	80.00
11	LT GI Pin	No	4	50.00	200.00
12	LT Shackle insulator	No	2	30.00	60.00
13	GI strap and bolt	Pair	2	80.00	160.00
14	Nuts & Bolts	Kg	8	78.00	624.00
15	AB Cable(3x50+1x35) sq. mm	Km	0.15	130000.00	19500.00
16	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	300.00	300.00
A	TOTAL MATERIAL COST				440617.55
B	Stock, Storage & Insurance @ 3% of A				13218.53
C	Sub Total (C=A+B)				453836.08
D	Contingency @3% of C				13615.08
E	T & P 2% of C				9076.72
F	Transportation @ 7.5% of C				34037.71
G	Erection Charges for PSC Pole @ 20%				2060.00
H	Erection Charges of DTR and Joist Poles @ 5%				8689.34
I	Erection Charges of other @ 10%				26974.93
J	Sub Total				548289.86
K	Dismantalling of 25 KVA S/S with Transformer	No	1	2500.00	2500.00
1	Dismantalling of Joist Pole	No	4	600.00	2400.00

2	Cost of Dismantalled material to section store	Ls	1	3000.00	3000.00
3	Total Estimated Cost				556189.86
4	Total Estimated Cost in Figures				556190.00
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.)