

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 30 WOMEN BARRACK & EXISTING 20 NOS. STAFF QTRS. AT NEW POLICE COLONY AT NAYAGARH.

BID REF NO.-32/JM/ELECT/OPHWC/2020-21

Bidder Name	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	Installation of 100 KVA 11/4 KV AL BIS Energy Level-II DP mounted sub station using 10 mtr. Long 150x150 mm RS Joist Pole- 1 No.				
1	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos.	K.g	51.52	65.00	3,348.80
2	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	3,348.80
3	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	4,950.40
4	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
5	Cantilever channel for supporting HG fuse ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr)	No.	9	65.00	585.00
6	Angle for cantilever arrangement for AB Switch & HG fuse 50x50x6 mm -2mtr each 2nos (4.5 Kg per mtr)	Kg	18	65.00	1,170.00
7	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	2,047.50
8	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	1,462.50
9	11 KV AB switch 3 pole(200A)	set	1	7350.00	7,350.00
10	11KV HG fuse 3pole (400A)	No	1	11530.00	11,530.00
11	11KV L.A-12KV-10KA	No.	3	3550.00	10,650.00
12	HT Stay Set (Complete)	Set	2	1050.00	2,100.00
13	HT Stay insulator	No	2	50.00	100.00
14	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
15	7/10 SWG Stay Wire	KG	20	75.00	1,500.00
16	GI Pipe for earthing 40mm dia medium gauge 3mtr long	No	5	1050.00	5,250.00

17	No. 6 GI wire for earthing	Kg	20	75.00	1,500.00
18	40x6 mm GI flat for Neutral	Kg	20	75.00	1,500.00
19	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2455.46	4,910.92
20	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	2799.13	5,598.26
21	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	717.36	1,434.72
22	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	2407.86	12,039.30
23	55 sq. mm insulated Conductor	Km	0.04	48072.75	1,922.91
24	Red Oxide Paint	Ltr	0.5	150.00	75.00
25	Alluminium Paint	Ltr	0.5	200.00	100.00
26	Ms nut bolt & Washer	Kg	36	71.00	2,556.00
27	LT Distrubution Box including kitkat fuse with MCCB for 100 kVA S/S	No	1	24419.00	24,419.00
28	3 1/2 x150 mm ² PVC cable for 100 KVA Tfr.	Mtr	15	504.00	7,560.00
29	Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate.	LS	1	44100.00	44,100.00
30	Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc.	LS	1	2000.00	2,000.00
					166,243.11
SCOPE-B	Construction of 3 ph 3 wire 11 KV line using 55 sq. mm insulated conductor-0.15 Km with Road crossing guarding- 1 span				
1	100x50x6mm MS channel for cut point	K.g	103	65.00	6,695.00
2	11 KV V cross arm 10.2 kg each	No.	2	810.00	1,620.00

3	Top bracket 75x40 mm MS Channel	No	2	100.00	200.00
4	Back clamp for "V" Cross arm(1.70Kg Each)	No	2	80.00	160.00
5	11KV GI Pin	No	11	80.00	880.00
6	11KV Pin Insulator	No	11	80.00	880.00
7	11KV H.W Fitting(B&S)	No	12	350.00	4,200.00
8	11KV Disc insulator(B&S)70KN	No	24	350.00	8,400.00
10	HT Stay set complete	Set	3	1050.00	3,150.00
11	HT stay insulator Type-C	No	3	50.00	150.00
19	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	3	2455.46	7,366.38
14	HT Stay Clamp(1.95 K.g/Pair)	Pair	3	146.25	438.75
15	7/10 SWG Stay Wire	KG	30	75.00	2,250.00
12	Earthing of support(Coil type)	No	3	166.00	498.00
13	55 sq. mm Insulated conductor	Km	0.464	48072.75	22,305.76
15	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	717.36	2,152.08
14	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	3	2799.13	8,397.39
16	Red Oxide Paint	Ltr	4	150.00	600.00
17	Alluminium Paint	Ltr	3	200.00	600.00
18	GI Barbed wire anticlimbing device 2 kg per support	Kg	6	80.00	480.00
19	75x40x6 mm GI channel each 1.5 mtr. Long (6.8 Kg/Mtr.)x2 Nos(for 1 span guarding)	K.g	20.4	65.00	1,326.00
20	No. 8 GI wire(for 1 span guarding)	K.g	35	75.00	2,625.00
21	GI Hook(for 1 span guarding)	set	10	40.00	400.00
22	Ms nut bolt & Washer	Kg	10	71.00	710.00
23	Sundries for survey, tree cutting, small size nut and bolt, All. Binding wire/ tape and Danger Board 4 nos. etc.	LS	1	1000.00	1,000.00
					77,484.36
SCOPE-C	Construction of 3 Ph 4 W LT Line with 3x50+1x35+1x16 sq. mm AB cable-0.64 KM.				

21	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	16	717.36	11,477.76
38	L.T Stay set (Complete)	Set	7	520.00	3,640.00
39	7/12 SWG Stay Wire	Kg	70	75.00	5,250.00
40	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	110.00	770.00
41	L.T Stay Insulator	No.	7	30.00	210.00
19	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	9	2455.46	22,099.14
42	dead end clamp	Set	6	65.00	390.00
43	Suspension clamp with I Hook	Set	13	340.00	4,420.00
44	Nuts and Bolts-m-12	Kg	15	71.00	1,065.00
45	Earthing coil each 5th pole to earth	No	4	166.00	664.00
46	AB Cable(3x50+1x35+1x16 sq. mm)	Km	0.65	140000.00	91,000.00
47	Sundries for survey, tree cutting ,insulated tape etc.	LS	1	1000.00	1,000.00
					141,985.90
A	TOTAL MATERIAL COST(FOR-2020-21)				385,713.37
B	Stock, Storage & Insurance @ 3% of A				11,571.40
C	Sub Total (C=A+B)				397,284.77
D	Contingency @3% of C				11,918.54
E	T & P 2% of C				7,945.70
F	Transportation @ 7.5% of C				29,796.36
G	Erection Charges of other @ 10%				39,728.48
H	Sub Total				486,673.84
1	100 KVA, 11/0.4 Kv TFR BIS energy Level-II	No	1	117000.00	117,000.00
2	10 Mtr. Long 150x150 mm Rs joist	No	5	22490.00	112,450.00
3	9 Mtr. Long 100x116 mm RS Joist	No	16	13455.00	215,280.00
A	TOTAL MATERIAL COST(FOR-2020-21)				444,730.00
B	Stock, Storage & Insurance @ 3% of A				13,341.90
C	Sub Total (C=A+B)				458,071.90
D	Contingency @3% of C				13,742.16
E	T & P 2% of C				9,161.44
F	Transportation @ 7.5% of C				34,355.39
G	Erection Charges of other @ 5%				22,903.60

H	Sub Total				538,234.48
I	Total Estimated Cost				1,024,908.32
J	Total Estimated Cost in Figures				1,024,908.00
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 @ 12%.

Signature of Tenderer with seal

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

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

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