

**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 NEW ANNEX BUILDING AT STATE GUEST HOUSE, KESHARI NAGAR, UNIT-V, BHUBANESWAR.

BID REF NO.-39/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 using 55 sq. mm Insulated Conductor - 0.01 Km				
1	11 KV Disc insulator Polymer type	No.	12	1150.00	13800.00
2	11 KV H/W fitting (Polymer type)	Set	12	500.00	6000.00
3	11 KV Polymer type Pin Insulator with pin.	Set	6	280.00	1680.00
4	100X50X6 MM M.S Channel	No	65	65.00	4225.00
9	HT Stay set complete	Set	2	1050.00	2100.00
10	HT stay Insulator	Set	2	50.00	100.00
12	HT Stay set Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
13	7/10 SWG Stay Wire	KG	20	75.00	1500.00
15	55 sq. mm Insulated conductor	Km	0.02	52008.00	1040.16
	Assorted size Nuts and Bolts With Washer	Kg	5	78.00	390.00
16	Concreting of stay pits	No	2	2315.14	4630.28
24	Sundries	L/S	Ls	Ls	1000.00
A	TOTAL MATERIAL COST(FOR-2018-19)				36715.44
B	Stock, Storage & Insurance @ 3% of A				1101.46
C	Sub Total (C=A+B)				37816.90
D	Contingency @3% of C				1134.51
E	T & P 2% of C				756.34
F	Transportation @ 7.5% of C				2836.27
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				0.00
I	Erection Charges of other @ 10%				3781.69

J	Total Estimated Cost				46325.71
25	Total Rs.				46326.00
SCOPE-B	Installation of 500KVA, 11/0.4 KV Plinth mounted S/S-1 No.				
1	150X150 MM 11 Mtr. Long Rs Joist Pole (2 Nos)	K.g	673.2	65.00	43758.00
2	100x50x6mm MS channel .	K.g	105	65.00	6825.00
3	75x40x6mm MS channel .	K.g	90	65.00	5850.00
4	50x50x6mm MS Angle .	K.g	90	65.00	5850.00
5	11 KV AB switch 3 pole(400A)	set	1	11850.00	11850.00
6	11KV HG fuse 3pole (400A)	No	1	11530.00	11530.00
7	11KV L.A-12KV-10KA	No.	3	3550.00	10650.00
8	11 KV Disc insulator Polymer type	No.	6	1150.00	6900.00
9	11 KV H/W fitting (Polymer type)	Set	6	500.00	3000.00
10	11 KV Polymer type Pin Insulator with pin.	Set	3	280.00	840.00
11	HT Stay Set (Complete)	Set	2	1050.00	2100.00
12	HT Stay insulator	No	2	50.00	100.00
13	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
14	7/10 SWG Stay Wire	KG	20	75.00	1500.00
15	55 sq. mm Insulated conductor	Km	0.05	52008.00	2600.40
16	GI Pipe for earthing 40mm dia medium gauge 3mtr long(5 nos for new s/s & 3 nos for old s/s)	No	8	1050.00	8400.00
17	40x6 mm GI flat for Neutral	Kg	96	75.00	7200.00
18	Chemical earthing complete set	No	8	2270.26	18162.08
19	Earthing coil	No	2	166.00	332.00
20	Assorted size Nuts and Bolts With Washer	Kg	30	78.00	2340.00
21	11 KV Danger Board	No	2	80.00	160.00
22	500 KVA 11/0.4 KV Transformer	No	1	580000.00	580000.00
23	LT Distrubution Box for 500 kVA S/S	No	1	97360.00	97360.00
24	All. Cable Socket	No	48	45.00	2160.00
25	Plinth for Distribution Box	No	1	3300.00	3300.00
26	Plinth for Transformer	No	1	15840.00	15840.00
27	300 mm sq 3 1/2 core LT PVC with spare cable from Trf.bushing to LT DB.	Mtr	30	994.00	29820.00
28	300 mm sq 3 1/2 core LT PVC with spare cable from Trf.bushing to LT DB.	Mtr	30	994.00	29820.00

29	distribution box to LT panel board for laying of LT cable with covering of RCC Slab.	Mtr	15	1690.92	25363.80
30	Barbed wire	Kg	2	80.00	160.00
31	Red Oxide Paint	Ltr	8	150.00	1200.00
32	Alluminium Paint	Ltr	8	200.00	1600.00
33	Black Paint	Ltr	2	220.00	440.00
34	Concreting of Pole pits	No	2	2841.89	5683.78
35	Concreting of stay pits	No	2	2315.14	4630.28
36	cooping of pole pits	No	2	676.36	1352.72
37	Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate etc	LS	1	48510.00	48510.00
38	50x6mm Copper Z Clamp .	Kg	3.2	1108.80	3548.16
39	For Metering Unit(Cantilever arrangement)				
40	100x50x6mm MS channel .	K.g	100	65.00	6500.00
41	75x40x6mm MS channel .	K.g	50	65.00	3250.00
42	50x50x6mm MS Angle .	K.g	30	65.00	1950.00
43	Assorted size Nuts and Bolts With Washer	Kg	10	78.00	780.00
44	40mm G.I Pipe	Mtr	6	203.28	1219.68
45	40mm G.I Bend	No	3	46.20	138.60
46	Clamp for cantilevers	Pair	3	159.48	478.44
47	No-8 G.I Wire	Kg	30	75.00	2250.00
48	Metering Unit	No	1	43000.00	43000.00
49	Sundries.	LS	1	L.s	2000.00
A	TOTAL MATERIAL COST(FOR-2018-19)				1062552.94
B	Stock, Storage & Insurance @ 3% of A				31876.59
C	Sub Total (C=A+B)				1094429.53
D	Contingency @3% of C				32832.89
E	T & P 2% of C				21888.59
F	Transportation @ 7.5% of C				82082.21
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				0.00

I	Erection Charges of other @ 10%				109442.95
J	Total Estimated Cost				1340676.17
	Total Rs.				1340676.00
SCOPE-C	Installtion of 11KV Metering unit accessories on S/S DP				
1	2.5mmX10 CoreControl Cable	Mtr	20	300.00	6000.00
2	TP Box for HT T.V Meter	No	1	23760.00	23760.00
3	Sundries	L/S	Ls	Ls	500.00
A	TOTAL MATERIAL COST(FOR-2018-19)				30260.00
B	Stock, Storage & Insurance @ 3% of A				907.80
C	Sub Total (C=A+B)				31167.80
D	Contingency @3% of C				935.03
E	T & P 2% of C				623.36
F	Transportation @ 7.5% of C				2337.59
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				0.00
I	Erection Charges of other @ 10%				3116.78
J	Total Estimated Cost				38180.56
K	Total Rs.				38181.00
SCOPE-D	Renovation of esisting 11 KV S/S DP				
1	11 KV AB switch 3 pole(400A)	set	1	11850.00	11850.00
2	11KV HG fuse 3pole (400A)	set	1	11530.00	11530.00
3	HT Stay Set (Complete)	Set	2	1050.00	2100.00
4	HT Stay insulator	No	2	50.00	100.00
5	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
6	7/10 SWG Stay Wire	KG	20	75.00	1500.00
7	55 sq. mm Insulated conductor	Km	0.04	52008.00	2080.32
8	Red Oxide Paint	Ltr	2	150.00	300.00
9	Alluminium Paint	Ltr	2	200.00	400.00
10	Black Paint	Ltr	2	220.00	440.00
A	TOTAL MATERIAL COST(FOR-2018-19)				30550.32
B	Stock, Storage & Insurance @ 3% of A				916.51
C	Sub Total (C=A+B)				31466.83
D	Contingency @3% of C				944.00
E	T & P 2% of C				629.34

F	Transportation @ 7.5% of C				2360.01
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				0.00
I	Erection Charges of other @ 10%				3146.68
J	Total Estimated Cost				38546.87
K	Total Rs.				38547.00
	GRAND TOTAL ESTIMATE COST				1463730.00
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____%					
Quoted Amount in Figures.					
Quoted Amount in words					

N.B-The Estimate Cost is Exclusive of G.S.T i.e. @ 12%

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager (Elect.)**

**Sd/-
Asst. Project Manager Elect.(Hqr)**

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