

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 ODISHA SAMABAYA SANGHA LTD.,BHUBANESWAR IN THE DIST. OF KHURDA.

BID REF NO.- 19/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	Construction of 11 KV line using 55 sq. mm insulated conductor with provision of polymer type disc insulator at tension point-0.05 KM(1 span)Erection of 100x116 mm 11 Mtr. Long RS Joist as intermediate support for tapping of proposed 11 KV line- 1 No.				
1	100x116mm RS Joist 11 mtr long for intermediate pole(1 No.)	Kg	253	65.00	16445.00
2	11 KV pole top channel	No	1	150.00	150.00
3	11 KV V cross Arm	No	1	810.00	810.00
4	100x50x6mm MS channel(st. cross arm)	Kg.	30	65.00	1950.00
5	11 KV Pin Insulator Polymer	No	6	200.00	1200.00
6	11 kv GI pin Polymer	No	6	80.00	480.00
7	11 KV Disc insulator Polymer	No.	6	1150.00	6900.00
8	11 KV H/W fitting Polymer	Set	6	500.00	3000.00
9	HT Stay Set (Complete)	Set	1	1050.00	1050.00
10	7/10 SWG Stay Wire	KG	10	75.00	750.00
11	HT Stay Insulator	No.	1	50.00	50.00
12	HT Stay Clamp	Pair	1	125.00	125.00
13	Earthing Coil	No	1	166.00	166.00
14	55 sq. mm insulated conductor	Km	0.17	39400.00	6698.00
15	Assorted size Nuts & Bolts	Kg	3	71.00	213.00
16	Concreting of pole pits	No.	1	2639.18	2639.18
17	cooping of pole pits	No.	1	676.37	676.37
18	Cooping of stay	No.	1	2313.96	2313.96
19	11 KV Danger Board	No	1	80.00	80.00
20	Red Oxide Paint	Ltr	1.5	150.00	225.00
21	Alluminium Paint	Ltr	1	200.00	200.00
22	Black Paint	Ltr	0.25	220.00	55.00
23	Sundries	LS	1	300.00	300.00
A	TOTAL MATERIAL COST(FOR-2020-21)				46476.51
B	Stock, Storage & Insurance @ 3% of A				1394.30
C	Sub Total (C=A+B)				47870.81
D	Contingency @3% of C				1436.12
E	T & P 2% of C				957.42
F	Transportation @ 7.5% of C				3590.31

G	Erection Charges Joist Poles @ 5%				846.92
H	Erection charges @ 10%				3093.25
I	Sub Total				57794.83
SCOPE-B	Installation of 100 KVA(BIS energy level-II) 11/0.4KV Plinth mounted sub station -1 no.				
1	100x116 mm RS Joist (11 Mtr, 2 Nos.)	K.g	506	65.00	32890.00
2	100x50x6mm MS channel	K.g	103	65.00	6695.00
3	75x40x6 mm MS channel	K.g	89.76	65.00	5834.40
4	50x50x6 mm MS Angle	K.g	81	65.00	5265.00
5	11 KV AB switch 3 pole (400Amp)	Set	1	11850.00	11850.00
6	11 KV HG fuse 3 pole (400 Amp)	Set	1	11530.00	11530.00
7	Lightening Arrester (12 KV, 10 KA)	No.	3	3550.00	10650.00
8	HT Stay Set	No.	2	1050.00	2100.00
9	GI Stay wire(7/10)	Kg	20	75.00	1500.00
10	HT Stay Insulator	No.	2	52.80	105.60
11	H.T Stay Clamp	Pair	2	125.00	250.00
12	Earthing device(GI pipe)	No	5	1050.00	5250.00
13	Earthing complete with supply of charcoal,salt etc. (Excluding Earthing Device)	No.	5	2315.14	11575.70
14	25x3 mm GI flat for earthing	Kg.	60	60.00	3600.00
15	100 KVA 11/0.4 KV transformer BIS energy level-II	No.	1	117000.00	117000.00
16	150 mm ² 3.5 core LT PVC cable	Mtr.	30	504.00	15120.00
17	Assorted size Nuts , Bolts with Washer	K.g	40	75.00	3000.00
18	MS Washer	K.g	5	75.00	375.00
19	All cable socket of diff. sizes	No	48	45.00	2160.00
20	All. Binding wire/tape	Kg	5	420.00	2100.00
21	80 sq. mm AAA conductor for jumpering	Km	0.03	43000.00	1290.00
22	Red Oxide Paint	Ltr	3	150.00	450.00
23	Alluminium Paint	Ltr	3	200.00	600.00
24	Black Paint	Ltr	1	220.00	220.00
25	Concreting of pole pits	No.	2	2639.18	5278.36
26	Cooping of pole pits	No.	2	676.36	1352.72
27	Concreting of stay pits	No.	2	2315.14	4630.28
28	LT distribution Box for 100 KVA S/S	No.	1	24419.00	24419.00
29	11 KV Danger Board	No.	2	80.00	160.00
30	Boundary wall around S/S & DP structure with spreading of metal and sand inside sub-station premises with fixing of MS grill gate	Ls	1	41580.00	41580.00
31	50x6 copper Z clamp	Kg	3.2	1108.80	3548.16

32	Plinth for LT DB	No	1	3300.00	3300.00
33	Plinth for transformer	No	1	15840.00	15840.00
34	Sundries	Ls	1	1000.00	1000.00
A	TOTAL MATERIAL COST(FOR-2020-21)				352519.22
B	Stock, Storage & Insurance @ 3% of A				10575.58
C	Sub Total (C=A+B)				363094.80
D	Contingency @3% of C				10892.84
E	T & P 2% of C				7261.90
F	Transportation @ 7.5% of C				27232.11
G	Erection Charges DTR & Joist Poles @ 5%				7719.34
H	Erection charges @ 10%				20870.81
I	Sub Total				437071.80
SCOPE-C	Construction of LT 3 Ph. 5 W line on 125x75 mm 8 mtr long RS joist with 3x50 + 1x35 + 1x16 mm2 LT XLPE AB Cable (5 Spans)	KM	0.15		
1	125x75 mm 8 mtr long RS joist (5 Nos)	Kg	552	65.00	35880.00
2	LT Conductor dead end clamp	Set	2	65.00	130.00
3	Suspension clamp with I Hook	Set	3	340.00	1020.00
4	Insulated piercing connector	No	3	80.00	240.00
5	L.T Stay set	Set	1	520.00	520.00
6	Stay wire (7/12)	Kg	10	75.00	750.00
7	L.T. Stay insulator	No	1	33.00	33.00
8	L.T. Stay Clamp (1.4 kg each) (3 Pair)	Pair	1	110.00	110.00
9	3x50 + 1x35 + 1x16 mm2 LT XLPE AB Cable	Mtr	150	140.00	21000.00
10	Concreting of pole pits	No.	5	2639.18	13195.90
11	Cooping of pole pits	No.	5	676.36	3381.80
12	Concreting of stay pits	No.	1	2313.96	2313.96
13	Red Oxide Paint	Ltr	8	150.00	1200.00
14	Alluminium Paint	Ltr	5	200.00	1000.00
15	Black Paint	Ltr	1	220.00	220.00
16	Earthing Coil	No	2	166.00	332.00
17	Assorted size Nuts & Bolts	Kg	2	75.00	150.00
18	Sundries	LS	1	500.00	500.00
A	TOTAL MATERIAL COST(FOR-2020-21)				81976.66
B	Stock, Storage & Insurance @ 3% of A				2459.30
C	Sub Total (C=A+B)				84435.96
D	Contingency @3% of C				2533.08
E	T & P 2% of C				1688.72
F	Transportation @ 7.5% of C				6332.70

G	Erection Charges Joist Poles @ 5%				1847.82
H	Erection charges @ 10%				4747.96
I	Sub Total				101586.23
J	Total Estimated Cost				596452.86
K	Total Estimated Cost in Figures				596453.00
EXCESS	<input type="text"/> LESS <input type="text"/> (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.)**