

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

Ph: 0674-2541545, 2542921, Fax: 0674-2541543

E-mail: jmelectricalophwc@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 21 AS PER IFB

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 18-E TYPE QUARTERS & 03 NOS. 30 MEN BARRACK FOR KHANDAGIRI, CAPITAL AND MANCHESWAR POLICE STATION AT 7 th. Bn., OSAP, BHUBANESWAR IN THE DISTRICT OF KHURDA.

BID REF NO.- 50/JM/ELECT/OPHWC/2020-21

NAME & ADDRESS OF THE FIRM	
---------------------------------------	--

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE (RS)	AMOUNT (RS)
SCOPE-A	Construction of 3 ph 3 wire 11 KV line on 100x116 mm 11 mtr long RS joist using 80mm ² AAA Conductor=0.05KM(1 Span)				
1	11 KV Pole Top channel	No.	1	100.00	100.00
2	100X50X6 MM M.S Channel	Kg	30	65.00	1,950.00
3	11 KV Polymer type Pin Insulator	No	3	200.00	600.00
4	11 KV GI Pin	No	3	80.00	240.00
5	11 KV Disc insulator Polymer type	No.	6	1150.00	6,900.00
6	11 KV H/W fitting (Polymer type)	Pair	6	500.00	3,000.00
7	HT Stay set complete	Set	1	1050.00	1,050.00
8	7/10 SWG Stay Wire	KG	10	75.00	750.00
9	HT stay Insulator	Set	1	50.00	50.00
10	HT Stay set Clamp(1.95 K.g/Pair)	Pair	1	125.00	125.00
11	80 sq. mm AAA conductor	Km	0.165	43000.00	7,095.00
12	Assorted size Nuts and Bolts With Washer	Kg	1	71.00	71.00
13	Concreting of stay pits	No	1	2313.96	2,313.96
14	Sundries	L/S	L/S	L/S	300.00
A	TOTAL MATERIAL COST(FOR-2018-19)				24,544.96
B	Stock, Storage & Insurance @ 3% of A				736.35
C	Sub Total (C=A+B)				25,281.31
D	Contingency @3% of C				758.44
E	T & P 2% of C				505.63

F	Transportation @ 7.5% of C				1,896.10
G	Erection Charges for PSC Pole @ 20%				-
H	Erection Charges of DTR and Joist Poles @ 5%				-
I	Erection Charges of other @ 10%				2,528.13
J	Total Estimated Cost				30,969.60
	Total Rs.				30,970.00
SCOPE-B	Construction of 11KV line with AB switch arrangement on 150x150 mm 11 mtr long RS joist-1 No.				
1	100x50x6mm MS channel .	K.g	120	65.00	7,800.00
2	75x40x6mm MS channel .	K.g	42	65.00	2,730.00
3	50x50x6mm MS Angle .	K.g	50	65.00	3,250.00
4	11 KV AB switch 3 pole(400A)	set	1	11850.00	11,850.00
5	11KV L.A	No.	3	2250.00	6,750.00
6	HT Stay Set (Complete)	Set	4	1050.00	4,200.00
7	7/10 SWG Stay Wire	KG	40	75.00	3,000.00
8	HT Stay insulator	No	4	52.80	211.20
9	HT Stay Clamp(1.95 K.g/Pair)	Pair	4	125.00	500.00
10	Earthing Device(G.I Pipe)	No	2	1050.00	2,100.00
11	Earthing Complete with supply of charcoal Salt etc by contractor (Excluding earthing device)	No	2	2270.27	4,540.54
12	25x3 mm GI flat for earthing(2 nos)	Kg	24	75.00	1,800.00
13	Assorted size Nuts and Bolts	Kg	20	71.00	1,420.00
14	M.S Washer	Kg	1	71.00	71.00
15	All. Cable Socket of different sizes	No	24	52.00	1,248.00
16	Alluminium binding wire/tape	Kg	1	420.00	420.00
17	80 sq. mm AAA conductor for jumpering	Km	0.01	43000.00	430.00
18	11 KV Danger Board	No	1	80.00	80.00
19	Red Oxide Paint	Ltr	3	150.00	450.00
20	Alluminium Paint	Ltr	2	200.00	400.00
21	Black Paint	Ltr	0.5	220.00	110.00
22	Concreting of Pole pits	No	2	2841.89	5,683.78
23	cooping of pole pits	No	2	676.37	1,352.74
24	Concreting of stay pits	No	4	2313.96	9,255.84
25	Barbed ware	Kg	4	80.00	320.00
26	Sundries.	LS	1	L.s	1,000.00
A	TOTAL MATERIAL COST(FOR-2018-19)				70,973.10
B	Stock, Storage & Insurance @ 3% of A				2,129.19
C	Sub Total (C=A+B)				73,102.29
D	Contingency @3% of C				2,193.07
E	T & P 2% of C				1,462.05

F	Transportation @ 7.5% of C				5,482.67
G	Erection Charges for PSC Pole @ 20%				-
H	Erection Charges of DTR and Joist Poles @ 5%				-
I	Erection Charges of other @ 10%				7,310.23
J	Total Estimated Cost				89,550.31
	Total Rs.				89,550.00
SCOPE-C					
1	150X150 MM 11 Mtr. Long Rs Joist Pole (2 Nos) for S/S D.P	K.g	761.2	65.00	49,478.00
2	150X150 MM 11 Mtr. Long Rs Joist Pole (2 Nos) for Line D.P	K.g	761.2	65.00	49,478.00
3	150X116 MM 10 Mtr. Long Rs Joist Pole (18 Nos)	K.g	4140	65.00	269,100.00
4	250 KVA 11/0.4 KV Transformer (BIS Energy level-II)	No	1	268450.00	268,450.00
A	TOTAL MATERIAL COST(FOR-2018-19)				636,506.00
B	Stock, Storage & Insurance @ 3% of A				19,095.18
C	Sub Total (C=A+B)				655,601.18
D	Contingency @3% of C				19,668.04
E	T & P 2% of C				13,112.02
F	Transportation @ 7.5% of C				49,170.09
G	Erection Charges for PSC Pole @ 20%				-
H	Erection Charges of DTR and Joist Poles @ 5%				32,780.06
I	Erection Charges of other @ 10%				-
J	Total Estimated Cost				770,331.39
SCOPE-D	Installation of 250KVA, 11/0.4 KV Plinth mounted S/S-1 No.				
1	100x50x6mm MS channel .	K.g	103	65.00	6,695.00
2	75x40x6mm MS channel .	K.g	89.76	65.00	5,834.40
3	50x50x6mm MS Angle .	K.g	81	65.00	5,265.00
4	11 KV AB switch 3 pole(400A)	set	1	11850.00	11,850.00
5	11KV HG fuse 3pole (400A)	No	1	11530.00	11,530.00
6	11KV L.A	No.	3	2250.00	6,750.00
7	HT Stay Set (Complete)	Set	2	1050.00	2,100.00
8	7/10 SWG Stay Wire	KG	20	75.00	1,500.00
9	HT Stay insulator	No	2	52.80	105.60
10	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	125.00	250.00
11	Earthing Device(G.I Pipe)	No	5	1050.00	5,250.00

12	Earthing Complete with supply of charcoal Salt etc by contractor (Excluding earthing device)	No	5	2270.27	11,351.35
13	25x5 mm GI flat for earthing(2 nos)	Kg	60	75.00	4,500.00
14	300 mm sq 3 1/2 core LT PVC with spare cable from Trf.bushing to LT DB.	Mtr	20	994.00	19,880.00
15	300 mm sq 3 1/2 core LT PVC with spare cable from Trf.bushing to LT DB.	Mtr	40	994.00	39,760.00
16	construction of cable trench from ditribution box to LT panel board for laying of LT cable with covering of RCC Slab.	Mtr	20	1690.92	33,818.40
17	Assorted size Nuts and Bolts	Kg	40	71.00	2,840.00
18	M.S Washer	Kg	5	71.00	355.00
19	All. Cable Socket of different sizes	No	48	52.00	2,496.00
20	Alluminium binding wire/tape	Kg	1	420.00	420.00
21	80 sq. mm AAA conductor for jumpering	Km	0.03	43000.00	1,290.00
22	Red Oxide Paint	Ltr	3	150.00	450.00
23	Alluminium Paint	Ltr	4	200.00	800.00
24	Black Paint	Ltr	0.5	220.00	110.00
25	Concreting of Pole pits	No	2	2841.89	5,683.78
26	cooping of pole pits	No	2	676.37	1,352.74
27	Concreting of stay pits	No	2	2313.96	4,627.92
28	LT Distrubution Box for 250 kVA S/S	No	1	48000.00	48,000.00
29	11 KV Danger Board	No	2	80.00	160.00
30	Barbed ware	Kg	4	80.00	320.00
31	Plinth for Distribution Box	No	1	3300.00	3,300.00
32	50x6mm Copper Z Clamp .	Kg	3.2	1108.80	3,548.16
33	Boundary wall substation& D.P structure with spreading of metal and sand inside substation	L.S	L.S		48,510.00
34	Plinth for Transformer	L.S	L.S		15,840.00
35	Sundries & installation of DT Meter accessories	L.S	L.S		26,400.00
A	TOTAL MATERIAL COST(FOR-2018-19)				332,943.35
B	Stock, Storage & Insurance @ 3% of A				9,988.30
C	Sub Total (C=A+B)				342,931.65
D	Contingency @3% of C				10,287.95
E	T & P 2% of C				6,858.63
F	Transportation @ 7.5% of C				25,719.87

G	Erection Charges for PSC Pole @ 20%				-
H	Erection Charges of DTR and Joist Poles @ 5%				-
I	Erection Charges of other @ 10%				34,293.17
J	Total Estimated Cost				420,091.27
SCOPE-E	Construction of 3 Ph 5 W LT Line on 100x116mm 10 mtr long RS joist using with 3x95+1x70+1x16 sq. mm LT XLPE AB cable-0.25 KM.				
1	Dead end Clamp with eye hook	Nos.	8	65.00	520.00
2	suspension clamp with eye hook	Nos.	14	340.00	4,760.00
3	L.T Stay set (Complete)	Set	7	520.00	3,640.00
4	L.T Stay Insulator	No.	7	30.00	210.00
5	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	110.00	770.00
6	7/12 SWG Stay Wire	Kg	70	75.00	5,250.00
7	AB Cable(3x95+1x70+1x16) sq. mm	Mtr	660	243.00	160,380.00
8	Insulated piercing connector	No	21	40.00	840.00
9	Assorted size nut & bolt	Kg	18	71.00	1,278.00
10	concreting of stay pits	No	7	2313.16	16,192.12
11	Earthing coil	No	18	166.00	2,988.00
12	Red Oxide Paint	Ltr	27	150.00	4,050.00
13	Alluminium Paint	Ltr	18	200.00	3,600.00
14	Black Paint	Ltr	9	220.00	1,980.00
15	concreting of Pole pits	No	18	2639.18	47,505.24
16	Couping of pole pit.	No	18	676.37	12,174.66
17	Danger Board	No	18	80.00	1,440.00
18	Sundries(survey,tree cutting,insulated tape etc.)	L/S	1	1800.00	1,800.00
A	TOTAL MATERIAL COST(FOR-2018-19)				269,378.02
B	Stock, Storage & Insurance @ 3% of A				8,081.34
C	Sub Total (C=A+B)				277,459.36
D	Contingency @3% of C				8,323.78
E	T & P 2% of C				5,549.19
F	Transportation @ 7.5% of C				20,809.45
G	Erection Charges for PSC Pole @ 20%				-
H	Erection Charges of DTR and Joist Poles @ 5%				-
I	Erection Charges of other @ 10%				27,745.94
J	Total Estimated Cost				339,887.72
	Total Rs.				1,650,830.38

	Or say				1,650,830.00
EXCESS	<input type="checkbox"/>	LESS	<input type="checkbox"/>	(Please Tick)	_____ %
Quoted Amount in Figure					
Quoted Amount in word					

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.)**