

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

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

E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB

NAME OF THE WORK :- SHIFTING OF 11 KV LINE FROM PREMISES OF A, B & C TYPE QUARTERS AT OMFED, ARILO IN THE DISTRICT OF CUTTACK.

BID REF NO :- 101/PM/ELECT/OPHWC/2023-24

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE OF LENGTH 0.19 KM .(4 SPANS)				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.(Including strut Pole)	No	2	29661.00	59322.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	91.776	76.00	6974.98
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	21.1458	97.50	2061.72
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	23.40288	76.00	1778.62
5	Danger plate	No	2	104.00	208.00
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
7	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
9	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	8	260.00	2080.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	12	455.00	5460.00
11	Disc insulator (B&S) 70 KN polymer	No.	12	1495.00	17940.00
12	Earthing of Support (Coil Type)	No	2	215.80	431.60
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	97.50	51.09
14	PG Clamp for 100 sq. mm AAA Conductor	No	12	754.00	9048.00
15	HT Stay Set (Complete)	Set	4	1365.00	5460.00

16	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	4	162.50	650.00
17	HT Stay Insulator	No.	4	65.00	260.00
18	7/10 SWG Stay Wire , 15 Kg/stay	KG	60	97.50	5850.00
19	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	14.866	101.40	1507.41
20	Yellow colour paint for Background	Ltr	4	216.00	864.00
21	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				121,150.79
B	B. Stock, Storage & Insurance @ 3% of A				3,634.52
C	Sub Total (C=A+B)				124,785.31
D	T&P @ 2% of C				2,243.97
E	Contingency @ 3% of C				3,743.56
F	Transportation @ 7.5% of C				9,358.90
	Erection Charges @ 5% on poles				3,055.08
G	Erection Charges @ 10%				5,109.70
H	Total				148,296.52
22	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvaton, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	4	2250.00	9000.00
23	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	0.9	6500.00	5850.00
24	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.225	6500.00	1462.50
	Total Material + Services Cost (J+K)				164,609.02
B	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	11 KV V cross arm	No	2	1053.00	2106.00
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	2	195.00	390.00
4	Danger plate	No	2	104.00	208.00
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6	97.50	58.50
6	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.41	97.50	234.98
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	6	260.00	1560.00
9	Earthing of Support (Coil Type)	No	2	215.80	431.60

10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.52	97.50	50.70
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	2.9	101.40	294.06
12	100 sq. mm AAAC	Mtr.	587.1	71.50	41977.65
13	Yellow colour paint for Background	Ltr	4	216.00	864.00
14	Black colour paint for numbering	Ltr	2	286.00	572.00
A	A. Sub total				108,693.49
B	B. Stock, Storage & Insurance @ 3% of A				3,260.80
C	Sub Total (C=A+B)				111,954.29
D	T&P @ 2% of C				2,239.09
E	Contingency @ 3% of C				3,358.63
F	Transportation @ 7.5% of C				8,396.57
	Erection Charges @ 5% on poles				3,055.08
G	Erection Charges @ 10%				5,085.26
H	Total				134,088.92
15	Couping Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5850.00
16	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.225	6500.00	1462.50
17	Dismantling of 11 KV Line	Mtr.	390	6.50	2535.00
18	Dismantling of WPB support	No	2	1380.90	2761.80
19	Dismantling/Removal of V Cross arm from pole including Loading, transportation,unloading and staking of dismantled material at a proper place in safe position at site store.	No	2	42.35	84.70
20	Dismantling of 11 KV Pin insulator with pin including loading ,transportation, unloading and staking at a proper place in safe position / site store	No	6	8.10	48.60
	Total Material + Services Cost (J+K)				146,831.52
21	Savage Value				4,745.00
	Total Rs.				142,086.52
III	11 KV LINE PROTECTING GUARDING ON SINGLE POLE FOR ROAD CROSSING-1 SPAN				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	62.832	76.00	4775.23
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	30.72	97.50	2995.20
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	6.55	97.50	638.63
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	78.00	312.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	97.50	4924.14

A	TOTAL MATERIAL COST (FOR-2020-21)				16,375.20
B	Stock, Storage & Insurance @ 3% of A				491.26
C	Sub Total (C=A+B)				16,866.45
D	Contingency @3% of C				505.99
E	T & P 2% of C				281.09
F	Transportation @ 7.5% of C				1,264.98
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,405.46
J	Sub Total Rs.				20,323.98
7	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3700.00	7,400.00
	Total Rs.				27,723.98
	Total Estimated Cost				334,419.52
	Total Estimated Cost in Figures				334,420.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
	Quoted Amount in Figure				
	Quoted Amount in word				

N:B- The Estimated cost is exclusive of GST.

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
D.M (Elect) I/C

Sd/-
Project Manager (Elect)