

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

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PRICE BID FOR THE WORK UNDER SL. NO :- 11 AS PER IFB

NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF LINE FOR POWER SUPPLY TO 6-F+4-F TYPE QTRS. AT TOWN POLICE STATION , PURI.

BID REF NO :- 44/DGM/ELECT/OPHWC/2024-25

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 LT Line using 4x95+1x95+1X16 sq. mm LT AB Cable- -0.13 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	4	4080.00	16,320.00
2	LT stay set complete	Set	4	707.20	2,828.80
3	7/12 SWG GI stay wire, Grade-2	Kg	48	102.00	4,896.00
4	LT stay clamp	Pair	4	149.60	598.40
5	LT stay set Insulator	No	4	40.80	163.20
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	7	272.00	1,904.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	6	81.60	489.60
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	6	88.40	530.40
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	1	462.40	462.40
10	4 Cx95(P)+1Cx95(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	136.5	443.68	60,562.32
11	4 Way Distribution Box with kitkat fuse and aluminium Bus Bar.	EA	2	3005.60	6,011.20
12	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	2	113.08	226.16
13	GI Pipe for earthing (each 5th pole to earth)	EA	1	1428.00	1,428.00
14	Coil Earthing	No	3	225.76	677.28
15	No-8 GI wire (Dia-4.6mm)	Kg	1.048	102.00	106.90
16	Danger plate (LT)	No	4	108.80	435.20
17	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.2	102	122.40
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	12	108.8	1305.60
19	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	4.81	102	490.62
20	GI Nut, Bolt & washers of different sizes	Kg	2	106.08	212.16

21	Yellow colour paint for Background	Ltr	4	299.20	1,196.80
22	Black paint	Ltr	8	167.46	1,339.68
A	TOTAL MATERIAL COST				102,307.12
B	Stock, Storage & Insurance @ 3% of A				3,069.21
C	Sub Total (C=A+B)				105,376.33
D	Contingency @3% of C				3,161.29
E	T & P 2% of C				1,903.31
F	Transportation @ 7.5% of C				7,903.22
G	Erection Charges for PSC Pole @ 20%				3,361.92
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				7,835.57
J	Sub Total Rs.				129,541.64
Civil and Services Works (As per Technical Specification)					
23	Fixing of LT 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 excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	4	2301.53	9206.12
24	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu.Mtr	1.5	6648.85	9,973.28
25	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	1	3784.73	3,784.73
K	Total Services Cost				22,964.13
	Total Material + Services Cost (J+K)				152,505.77
PART-II	Supply and Laying of 1.1 KV LT U/G Cable using 4 C x 95 Sq. mm of length 50 Mtr.				
	1.1 KV XLPE insulation armoured U/G cable along with Multimeter Panel and LT feeder Pillar.				
1	Supply of materials for 1.1 KV XLPE insulation armoured UG cablele with accessories-Open trench (along with spare cable)				
a	Length of 1.1 KV, 4C, 95 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	50		
1.1	4 core 95 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr.	100	438.71	43,871.00
1.2	Supply of HDPE PE 80-PN8 pipe of 110mm diameter	Mtr.	100	306.00	30,600.00

A				A. Sub total	74,471.00
	Erection Portion				
1	Laying ,commissioning ,Testing of 1.1 KV , Aluminium, XLPE insulation armoured UG cable by open trench method				
1.1	Laying of 1.1 KV ,4 core 95 sq. mm XLPE insulation armoured-Aluminium UG cable	Mtr	100	47.87	4,787.00
1.2	Laying of 110 mm HDPE pipe	Mtr	100	306.87	30,687.00
2	SITC of Gland /AL term				
2.1	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,50-95 sq. mm including making hole in Base plate and dressing of cable along with vermin proofing properly .supply to be done as per TPCODL specification and approved make dowells	EA	8	690.46	5,523.68
					40,997.68

Civil Portion

2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for LT UG Cable Trench				
	Earth work excavation of soil Trench Dimension(1 Mtr. Wx1 Mtr. D)				
2.1	Earth work excavation of soil	Cum	7	716.03	5,012.21
2.2	Earth work excavation of hard rock	Cum	3	1,759.39	5,278.17
2.3	Back filling with excavated soil outside and above the trench	Cum	10	204.58	2,045.80
2.4	Damage of asphalt/tar Road and other utilities and reconstructing to bring to its original shape after laying of cable in open trench (1 Mtr. Width)	Km	0.01	3,874,084.29	38,740.84
2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for LT UG Cable Trench				
2.1	Earth work excavation of soil Trench Dimension(1.6 Mtr. Wx1.35 Mtr. D)	Cum	14.280002	716.03	10,224.91
2.2	Earth work excavation of hard rock Trench Dimension(1.6 Mtr. Wx1.35 Mtr. D)	Cum	6.1200018	1,759.39	10,767.47
2.3	Back filling with excavated soil outside and above the trench	Cum	5.7750024	204.58	1,181.45
2.4	PCC (1:3:6(M-10 Grade)) below trench (width 1500mm, thickness 75mm throughout)	Cum	1.124999	5,247.48	5,903.41
2.5	Supply and erection of material for RCC partition slab 750mmX100mm (M-25 grade)	Cum	0.9749998	7,483.54	7,296.45
2.6	Supply and erection of material for RCC trench, 150mm thick (M-25 grade)	Cum	4.6499999	7,483.54	34,798.46
2.7	Supply and erection of rod, bending, cutting and binding of RCC trench (65.23 KG/cum)	Cum	303.31946	111.50	33,820.12
2.8	Supply and erection of rod, bending, cutting and binding of RCC slabs (67.8 KG/cum)	Cum	66.105022	111.50	7,370.71
2.9	Centring & shuttering for mass concrete	M2	39	307.89	12,007.71
2.10	Structural steel work riveted (Channel(GI)-75mmX40mmX4.8mm), (Flat(GI)- 75mmX6mm)	Kg	28.47	130.00	3701.1

	Sub Total (Civil Portion) (in Rs.)				178,148.81
A	Sub Total (Supply Portion)				74,471.00
B	Stock, Storage & Insurance @ 3 % of A				2,234.13
C	Sub Total (A+B)				76,705.13
D	Contingency @ 3 % of C				2,301.15
E	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				
F	Transportation @ 7.5% of C				5,752.88
G	Erection Charges @ 10% of earthing items				
H	Total (C+D+E+F+G)				84,759.17
I	Sub Total (Erection Portion + Civil Portion)				219,146.49
J	Total Cost (H+I)				303,905.66
PART-III	Dismantling Labour Charges				
1	Dismantling of PSC Pole	No	1	920.61	920.61
2	Dismantling of LT AB Cable	Mtr.	100	23.02	2,302.00
	Total Rs.				3,222.61
	Sub Total Rs.				459,634.04
	Cess @1%				4,596.34
	Total Estimated Cost				464,230.38
	Total Estimated Cost in Figures				464,230.00
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/-
DGM Engg.(Elect.)