

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

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

E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com

PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-E TYPE STAFF QUARTERS AT ASTARANGA POLICE STATION IN THE DISTRICT OF PURI.

BID REF NO :-88/PM/ELECT/OPHWC/2025-26

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.05 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	2	4260.00	8,520.00
2	LT stay set complete	Set	2	738.40	1,476.80
3	7/12 SWG GI stay wire, Grade-2	Kg	24	106.50	2,556.00
4	LT stay clamp	Pair	2	156.20	312.40
5	LT stay set Insulator	No	2	42.60	85.20
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	5	284.00	1,420.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	4	85.20	340.80
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	4	92.30	369.20
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	1	482.80	482.80
10	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	52.5	206.22	10,826.55
11	Coil Earthing	No	2	235.72	471.44
12	No-8 GI wire (Dia-4.6mm)	Kg	0.5	106.50	53.25
13	Danger plate (LT)	No	2	113.60	227.20
14	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	106.5	63.90
15	GI barbed wire/Anticlimbing device 3 kg per support	Kg	6	113.6	681.60
16	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	106.5	256.67
17	GI Nut, Bolt & washers of different sizes	Kg	1	110.76	110.76
18	Yellow colour paint for Background	Ltr	4	216.00	864.00
19	Black paint	Ltr	2	312.40	624.80
A	TOTAL MATERIAL COST				29,743.37
B	Stock, Storage & Insurance @ 3% of A				892.30
C	Sub Total (C=A+B)				30,635.67
D	Contingency @3% of C				919.07
E	T & P 2% of C				521.50
F	Transportation @ 7.5% of C				2,297.67

G	Erection Charges for PSC Pole @ 20%				1,755.12
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,729.68
J	Sub Total Rs.				37,858.71
Civil and Services Works (As per Technical Specification)					
20	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	2	2301.53	4603.06
21	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu.Mtr	0.75	6648.85	4,986.64
Total Services Cost					9,589.70
Total Material + Services Cost (J+K)					47,448.41
II	UPGRADATION OF S/S FROM 25 KVA TO 63 KVA S/S.				
1	100 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II, Ammendment-4	No	1	193901.46	193901.46
2	LT Distrubution Box with MCCB, Aluminim Busbar of 2 Bay with kit kat Fuse for 100 KVA S/S.	No	1	34674.98	34674.98
3	4Cx150 sq. mm LT XLPE cable(Armoured)	Mtr	15	805.08	12076.20
4	Supply of 1.1 KV 4 core 150 sq. mm XLPE Insulation armoured-Aluminium UG cable from LTDB to Pole.	Mtr.	40	805.08	32203.20
5	GI Nut, Bolt & washers of different sizes	Kg	5	110.76	553.80
A	A. Sub total				273,409.64
B	B. Stock, Storage & Insurance @ 3% of A				8,202.29
C	Sub Total (C=A+B)				281,611.93
D	T&P @ 2% of C				4,720.08
E	Contingency @ 3% of C				8,448.36
F	Transportation @ 7.5% of C				21,120.89
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				9,985.93
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				3,628.57
J	Total				329,515.76
6	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	55	73.65	4,050.75
					4,050.75
Sub total Rs					333,566.51
III	a.Supply and Laying of 1.1 KV LT U/G Line using 1.1 KV , 4 C x 95 Sq. mm XLPE Insulation armoured-Aluminium UG cable with accessories-Multimeter Panel in Open Trench method-0.035 Km				
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.	35		

1.1	Supply of 1.1 KV ,4 core, 95 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	70	499.41	34,958.70
1.2	Supply of HDPE PE 80-PN8 pipe of 110mm diameter	Mtr	70	279.91	19,593.70
2	supply of 1.1 KV Multimeter Panel				
a	No. of 1.1 KV I/C -400 A & 10 Nos. of O/G 63 A	No	2		
2.1	Supply of 1.1 KV I/C -400 A & 10 Nos. of O/G 63 A	No	2	217000.00	434,000.00
3	Earthing of Multimeter Panel				
3.1	Earthing conductor 50x6mm (2.4 Kg/Mtr.)GI flat for equipment ,structure etc.)	Kg	26.4	106.50	2,811.60
3.2	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 Mtr. Long	Nos	4	1491.00	5,964.00
A				A. Sub total	497,328.00
	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	70	47.87	3,350.90
1.2	Laying of 110mm HDPE Pipe	Mtr	70	306.87	21,480.90
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	3	690.46	2,071.38
					26,903.18
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				
2.1	Earth work excavation of soil Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)	Cum	42.84	716.03	30,674.73
2.2	Earth work excavation of hard rock Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)	Cum	18.36	1,759.39	32,302.40
2.3	Back filling with excavated soil outside and above the trench	Cum	17.33	204.58	3,545.37
2.4	PCC(1:3:6) (M-10 Grade)below trench (width 1500 mm ,thickness 75 mm throughout)	Cum	3.375	5,247.48	17,710.25
2.5	Supply and Erection of material for RCC partition Slab 750 mmx100 mm(M-25 Grade)	Cum	2.925	7,483.54	21,889.35
2.6	Supply and Erection of material for RCC trench,150 mm thick(M-25 Grade)	Cum	13.95	7,483.54	104,395.38
2.6	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC trench(0.6523 Quint/cum	Kg	909.959	111.50	101,460.43
2.7	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC slabs(0.678 Quint/cum)	Kg	198.315	111.50	22,112.12
2.8	Concreting and shuttering of Mass Concrete	M2	117	307.89	36,023.13
2.9	Structural steel work riveted Channel (GI-75x40x4.8 mm)GI Flat -75x6 mm	Kg	85.41	130.00	11,103.30

3	Civil works for Prefabricated RCC foundation with supply of all materials				
3.1	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.	Set	4	3,784.73	15,138.92
	Sub Total (Civil Portion) (in Rs.)				396,355.38
A	Sub Total (Supply Portion)				497,328.00
B	Stock, Storage & Insurance @ 3 % of A				14,919.84
C	Sub Total (A+B)				512,247.84
D	Contingency @ 3 % of C				15,367.44
E	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				8,998.32
F	Transportation @ 7.5% of C				38,418.59
G	Erection Charges @ 10% of earthing items and Multimeter Panel				44,991.59
H	Total (C+D+E+F+G)				620,023.77
I	Sub Total (Erection Portion + Civil Portion)				423,258.56
J	Total Cost (H+I)				1,043,282.33
	Dismantling charges				
IV	Dismantling of existing 11/0.4kV, 33/0.4KV, Three Phase Distribution Transformer 63 KVA including removal of HT/LT leads, earth connections and unloading by crane if required.	No.	1	1841.22	1,841.22
	Sub Total Rs.				1,426,138.47
	Cess @ 1%				14261.38
	Total Estimated Cost				1,440,399.86
	Total Estimated Cost in Figures				1,440,400.00
EXCESS	<input type="checkbox"/>	LESS	<input type="checkbox"/>	(Please Tick)	
	In Figure _____ %				
	In word _____ %				
	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/-
Dy. Manager (Elect)

Sd/-
Project Manager (Elect)