

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QTRS. AT BANARAPAL FIRE STATION IN THE DIST. OF ANGUL.

BID REF NO :- 22/PM/ELECT/OPHWC/2023-24

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.
I	Augmentation of 25 KVA DTR to 63 KVA 11/0.4 KV DP mounted S/S over existing DP.				
1	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	93.00	368.73
2	Transformer base GI channel 100x50x6 mm GI channel(3000 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	57.36	76.00	4359.36
3	Transformer base suport channel 100x50x6 mm GI channel(515 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	9.8467	76.00	748.35
4	Transformer Belting angle 50x50x6 mm GI (3000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	27	76.00	2052.00
5	Transformer Belting Support angle 50x50x6 mm GI 580 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	5.22	76.00	396.72
6	LT DB mounting angle 50x50x6 mm GI (1000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	9	76.00	684.00
7	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.81	93.00	14397.33
8	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	107260.00	107260.00
9	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	22719.28	22719.28
10	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
11	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
12	11 KV AB switch (200 Amp, 3 pole)	Set	1	9114.00	9114.00
13	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7588.80	7588.80
14	PG Clamp for 55 sq. mm AAAC	No	6	595.20	3571.20
15	11 KV Disc insulator polymer type 70 KN	No	3	1426.00	4278.00
16	11 KV H/W fitting polymer type	Pair	3	434.00	1302.00
17	11 KV LA (12KV,10 KA)station class-2	No	3	4402.00	13206.00
18	11 KV Pin Insulator polymer type	No	3	248.00	744.00
19	HT Stay Set (Complete)	Set	2	1302.00	2604.00
20	HT Stay Insulator	No.	2	62.00	124.00

21	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	155.00	310.00
22	7/10 SWG Stay Wire	KG	30	93.00	2790.00
23	GI Pipe for earthing 40mm dia 3mtr long	No	7	1302.00	9114.00
24	GI Nut, Bolt & washers of different sizes	Kg	25	96.72	2418.00
25	GI barbed wire/Anticlimbing device	No	6	99.20	595.20
26	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	93.00	223.87
27	Danger plate	Kg	2	99.20	198.40
28	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	93.00	55.97
29	Name Plate	No	1	99.20	99.20
30	Structure Numbering and marking				0.00
31	Yellow colour paint for Background	Ltr	2	272.80	545.60
32	Black colour paint for numbering	Ltr	1	272.80	272.80
A	A. Sub total				222,096.95
B	B. Stock, Storage & Insurance @ 3% of A				6,662.91
C	Sub Total (C=A+B)				228,759.86
D	T&P @ 2% of C				4,575.20
E	Contingency @ 3% of C				6,862.80
F	Transportation @ 7.5% of C				17,156.99
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				5,523.89
H	Erection Charges @ 10% for other materials				10,289.24
I	Total				273,167.97
33	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5,850.00
34	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	Cum	0.226	6500.00	1,469.00
35	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2250.00	4,500.00
36	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	7	3700.00	25,900.00
37	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
					91,719.00
	Sub total Rs				364,886.97
II	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.18 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	5	3720.00	18,600.00
2	LT stay set complete	Set	2	644.80	1,289.60

3	7/12 SWG GI stay wire, Grade-2	Kg	24	93.00	2,232.00
4	LT stay clamp	Pair	2	136.40	272.80
5	LT stay set Insulator	No	2	37.20	74.40
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	7	248.00	1,736.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	4	74.40	297.60
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	4	80.60	322.40
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	3	421.60	1,264.80
11	4x50+1x50+1X16 sq. mm LT Aerial Bunched Cable	K.M	0.189	198020.00	37,425.78
12	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	8	98.62	788.96
13	Pipe Earthing(each 5 th Pole to Earth)	No	1	1302.00	1,302.00
14	Coil Earthing	No	4	205.84	823.36
15	No-8 GI wire (Dia-4.6mm)	Kg	1.31	93.00	121.83
16	Danger plate (LT)	No	5	99.20	496.00
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	1.5	93	139.50
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	15	99.2	1488.00
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	6.02	93	559.86
20	GI Nut, Bolt & washers of different sizes	Kg	2.5	96.72	241.80
21	Yellow colour paint for Background	Ltr	10	272.80	2,728.00
22	Black colour paint for numbering	Ltr	5	272.80	1,364.00
A	TOTAL MATERIAL COST				73,568.69
B	Stock, Storage & Insurance @ 3% of A				2,207.06
C	Sub Total (C=A+B)				75,775.75
D	Contingency @3% of C				2,273.27
E	T & P 2% of C				1,515.52
F	Transportation @ 7.5% of C				5,683.18
G	Erection Charges for PSC Pole @ 20%				3,831.60
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				5,129.21
J	Sub Total Rs.				94,208.53

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	2	2250	4500
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24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	1.875	6500.00	12,187.50
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	3700.00	3,700.00
K	Total Services Cost				20,387.50
	Total Material + Services Cost (J+K)				114,596.03
	Total Estimated Cost				479,483.00
	Total Estimated Cost in Figures				479,483.00
EXCESS	☐ LESS ☐ (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/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager(Elect.)