

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 :- 02 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F +1-E TYPE QUARTERS AT BALIANTA FIRE STATION, BHUBANESWAR IN THE DISTRICT OF KHURDA.****BID REF NO :- 89/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	UPGRADATION OF S/S FROM 25 KVA TO 63 KVA S/S.				
1	Top channel GI 100x50x6 mm (9.56 kg/Mtr.,2 Nos.)Each channel length 3000 mm Long	Kg	57.36	76.00	4359.36
2	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
3	Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	76.00	4359.36
4	Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	76.00	748.60
5	Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	76.00	2052.00
6	Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)	Kg	5.22	76.00	396.72
7	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	76.00	684.00
8	50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For L.A and 2.5 Mtr for raising, 11 Mtr. For AB Switch ,2.8 Mtr. for HG Fuse, 5x2 Mtr. For DTR neutral,(13-4.5)mtr. For DTR Body, 0.500 Mtr. For LTDB & AB switch operating handle, 3 Mtr. for fencing.)	Kg	154.816	97.50	15094.56
9	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
10	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	23818.60	23818.60
11	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
12	4Cx95 sq. mm LT XLPE cable(Armoured)	Mtr	15	479.61	7194.15
13	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
14	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
15	11 KV LA (12KV,10 KA)station class-2	No	1	4615.00	4615.00
16	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
17	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00

18	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
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	2.4072	97.50	234.70
20	Danger plate	Kg	2	104.00	208.00
21	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
22	Name Plate	No	1	104.00	104.00
23	Yellow colour paint for Background	Ltr	2	216.00	432.00
24	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				2,10,469.30
B	B. Stock, Storage & Insurance @ 3% of A				6,314.08
C	Sub Total (C=A+B)				2,16,783.37
D	T&P @ 2% of C				3,990.00
E	Contingency @ 3% of C				6,503.50
F	Transportation @ 7.5% of C				16,258.75
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				5,791.18
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				8,370.00
J	Total				2,57,696.81
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	7	3700.00	25,900.00
26	Laying of 4Cx95 sq. mm LT XLPE cable	Mtr	15	46.80	702.00
					26,602.00
	Sub total Rs				2,84,298.81
II	Construction of LT Line using 4x70+1x70+1X16 sq. mm LT AB Cable- -0.6 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	18	3900.00	70,200.00
2	LT stay set complete	Set	5	676.00	3,380.00
3	7/12 SWG GI stay wire, Grade-2	Kg	60	97.50	5,850.00
4	LT stay clamp	Pair	5	143.00	715.00
5	LT stay set Insulator	No	5	39.00	195.00
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	23	260.00	5,980.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	10	78.00	780.00
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	10	84.50	845.00
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	13	442.00	5,746.00
10	4 Cx70(P)+1Cx70(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	630	305.00	1,92,150.00
11	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	12	113.08	1,356.96
13	Pipe Earthing(each 5 th Pole to Earth)	No	4	1365.00	5,460.00

14	Coil Earthing	No	14	215.80	3,021.20
15	No-8 GI wire (Dia-4.6mm)	Kg	4.716	97.50	459.81
16	Danger plate (LT)	No	18	104.00	1,872.00
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	5.42	97.5	528.45
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	54	104	5616.00
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	21.66	97.5	2111.85
20	GI Nut, Bolt & washers of different sizes	Kg	9	101.40	912.60
21	Yellow colour paint for Background	Ltr	36	216.00	7,776.00
22	Black paint	Ltr	18	286.00	5,148.00
A	TOTAL MATERIAL COST				3,20,103.87
B	Stock, Storage & Insurance @ 3% of A				9,603.12
C	Sub Total (C=A+B)				3,29,706.99
D	Contingency @3% of C				9,891.21
E	T & P 2% of C				6,272.78
F	Transportation @ 7.5% of C				24,728.02
G	Erection Charges for PSC Pole @ 20%				14,461.20
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				24,133.31
J	Sub Total Rs.				4,09,193.51
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	5	2250	11250
24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	6.75	6500.00	43,875.00
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	4	3700.00	14,800.00
K	Total Services Cost				69,925.00
Total Material + Services Cost (J+K)					4,79,118.51
	Dismantling of 25 KVA ,11/0.4 KV S/S	No	1	4794.3	4,794.30
	Total Estimated Cost				7,68,211.62
	Total Estimated Cost in Figures				7,68,212.00

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/-
DM (Elect) I/C**

**Sd/-
Project Manager(Elect.)**