

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 :- 01 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QTRS. AT BALIKUDA FIRE STATION IN THE DIST. OF JAGATSINGHPUR.****BID REF NO :- 105/PM/ELECT/OPHWC/2022-23****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 25 KVA S/S to 63 KVA S/S.				
1	WPB Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	26516.95	53033.90
2	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	76.00	4359.36
3	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	93.00	368.73
4	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	76.00	3255.84
5	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
6	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	76.00	508.44
7	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	76.00	434.04
8	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
9	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	76.00	879.32
10	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
11	Transformer base GI channel 100x50x6 mm channel(3000 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	57.36	76.00	4359.36
12	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
13	Transformer Belting angle 50x50x6 mm GI (3000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	27	76.00	2052.00
14	Transformer Belting Support angle 50x50x6 mm GI 580 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	5.22	76.00	396.72
15	LT DB mounting angle 50x50x6 mm GI (1000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	9	76.00	684.00
16	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
17	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	107260.00	107260.00

18	LT Distribution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	22719.28	22719.28
19	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
20	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
21	11 KV AB switch (200 Amp, 3 pole)	Set	1	9114.00	9114.00
22	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7588.80	7588.80
23	PG Clamp for 55 sq. mm AAAC	No	6	595.20	3571.20
24	11 KV Disc insulator polymer type 70 KN	No	3	1426.00	4278.00
25	11 KV H/W fitting polymer type	Pair	3	434.00	1302.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	4402.00	13206.00
27	11 KV Pin Insulator polymer type	No	3	248.00	744.00
28	HT Stay Set (Complete)	Set	2	1302.00	2604.00
29	HT Stay Insulator	No.	2	62.00	124.00
30	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	155.00	310.00
31	7/10 SWG Stay Wire	KG	30	93.00	2790.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1302.00	9114.00
33	GI Nut, Bolt & washers of different sizes	Kg	25	96.72	2418.00
34	GI barbed wire/Anticlimbing device	No	6	99.20	595.20
35	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
36	Danger plate	Kg	2	99.20	198.40
37	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
38	Name Plate	No	1	99.20	99.20
39	Structure Numbering and marking				
40	Yellow colour paint for Background	Ltr	2	272.80	545.60
41	Black colour paint for numbering	Ltr	1	272.80	272.80
A	A. Sub total				2,91,956.57
B	B. Stock, Storage & Insurance @ 3% of A				8,758.70
C	Sub Total (C=A+B)				3,00,715.27
D	T&P @ 2% of C				6,014.31
E	Contingency @ 3% of C				9,021.46
F	Transportation @ 7.5% of C				22,553.64
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				8,255.14
H	Erection Charges @ 10% for other materials				12,022.27
I	Total				3,58,582.08
42	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5,850.00
26	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	Cum	0.226	6500.00	1,469.00
43	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

44	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
45	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
					91,719.00
				Sub total Rs	4,50,301.08
II	Construction of LT Line using 3x50+1x35 sq. mm LT AB Cable- -0.196 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	6	3720.00	22,320.00
2	LT stay set complete	Set	3	644.80	1,934.40
3	7/12 SWG GI stay wire, Grade-2	Kg	36	93.00	3,348.00
4	LT stay clamp	Pair	3	136.40	409.20
5	LT stay set Insulator	No	3	37.20	111.60
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	8	248.00	1,984.00
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	3x50+1x35 sq. mm LT Aerial Bunched Cable	K.M	0.2079	161200.00	33,513.48
11	Coil Earthing	No	3	205.84	617.52
12	No-8 GI wire (Dia-4.6mm)	Kg	1.572	93.00	146.20
13	Danger plate (LT)	No	6	99.20	595.20
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	1.81	93	168.33
15	GI barbed wire/Anticlimbing device 3 kg per support	Kg	18	99.2	1785.60
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	7.22	93	671.46
17	GI Nut, Bolt & washers of different sizes	Kg	3	96.72	290.16
A	TOTAL MATERIAL COST (FOR-2020-21)				68,515.15
B	Stock, Storage & Insurance @ 3% of A				2,055.45
C	Sub Total (C=A+B)				70,570.60
D	Contingency @3% of C				2,117.12
E	T & P 2% of C				1,411.41
F	Transportation @ 7.5% of C				5,292.80
G	Erection Charges for PSC Pole @ 20%				4,597.92
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				4,160.34
J	Sub Total Rs.				88,150.19
Civil and Services Works (As per Technical Specification)					
18	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	3	2250	6750

19	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	2.25	6500.00	14,625.00
K	Total Services Cost				21,375.00
	Total Material + Services Cost (J+K)				1,09,525.19
V	DISMANTLING OF 11 KV LINE ALONGWITH 1 NO. PSC POLE WITH ALL ACCESSORIES				
1	Dismantling of PSC/RS Joist Pole & return to TPCODL section store	EA	2	900	1,800.00
2	Dismantling of 11 KV Disc insulator with HW & return to TPCODL section store	EA	3	8.1	24.30
3	Dismantling of MS channel ,Angle & return to TPCODL section store	KG	7.92	330	2,613.60
4	Dismantling of 11 KV HG fuse & return to TPCODL section store	SET	1	250	250.00
5	Dismantling of 11 KV 400A AB switch & return to TPCODL section store	SET	1	250	250.00
6	Dismantling of 25 KVA ,11/0.4 KV Tfr & return to TPCODL section store	EA	1	1500	1,500.00
	Total Rs.				6,437.90
	Total Estimated Cost				5,66,264.17
	Total Estimated Cost in Figures				5,66,264.00
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/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager(Elect.)