

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

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

E-mail: jmelectricalophwc@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO EXISTING QUARTERS AT G. UDAYAGIRI POLICE STATION, PHULBANI IN THE DISTRICT OF KANDHAMALA.

BID REF NO :- 02/JM/ELECT/OPHWC/2021-22

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

PART-I	Estimate for 11 KV line				
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	11 KV Disc insulator (T& C), 45KN, poreclain doble disc arrangement	No.	3	290.00	870.00
2	11 KV Hard wire fittings (T & C)	No.	3	130.00	390.00
3	11 KV Pin insulator Procelin	No	3	80.00	240.00
4	11 KV GI Pin	No	3	80.00	240.00
5	11 KV 55sqmm AAAC (Including 3% conductor sag)	KM	0.22	30000.00	6,600.00
6	Ms bolt, Nuts & wasners	Kg	5	75	375.00
7	Sundries (Paint,Danger Board, Aluminium binding tape,insulating tape,clamp connector etc)	Ls	1	500	500.00
	Sub total of I in Rs				9,215.00
PART-II	Estimate for Construction of plinth Mounted S/S for 100 KVA DTR				
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	9 mtr long 300 kg PSC pole	No	2	3000.00	6,000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos .	Kg.	51.52	65.00	3,348.80
3	Transformer mounting Channel 100X50X6 mm.2.8mtr. Long 2Nos (9.2 kg/ Mtr)	Kg.	51.52	65.00	-
4	AB switch & H.G fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.).	Kg.	76.16	65.00	4,950.40

5	Cantilever channel for supporting HG fuse 75x40x6mm.MS Angle 1mtr. Long 2Nos. (6.8kg./mtr.).	Kg.	13.6	65.00	884.00
6	Cantilever channel for supporting HG fuse 50x50x6mm MS angle 1 mtr long 2 nos(4.5 Kg/Mtr).	Kg.	9.00	65.00	585.00
7	Angle for Cantilever arrangement for AB switch & H.G fuse 50x50x6mm 2 mtr long 2 nos(4.5 Kg/Mtr).	Kg.	18.00	65.00	1,170.00
8	Transformer belting 50x50x6mm angle 2.8 mtr long 2 nos(4.5 Kg/Mtr) with side angle total (7Mtr)	Kg.	31.5	65.00	-
9	Angel for mounting L.T Distribution box 35x35x5mm 1 mtr long 2 nos(3.5 Kg/Mtr).	Kg.	22.5	65.00	1,462.50
10	11 KV Disc insulator (T &C)	No.	3	290.00	870.00
11	11 KV Hard ware fittings (T&C)type	No.	3	130.00	390.00
12	11KV AB switch 3 pole(400 Amp)	Set	1	11850.00	11,850.00
13	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6,120.00
14	11 KV Lighting arrestor, 12KV, 10 KA	No.	3	3550.00	10,650.00
15	LT Distribution box with MCCB, Aluminium busbar of single bay with kitkat fuse for 100 KVA S/S	No.	1	24419.00	24,419.00
16	HT stay set (Complete) REC construction standard	No.	2	1050.00	2,100.00
17	11 KV stay Insulator Type C	No.	2	50.00	100.00
18	Stay Clamp (1.9 kg/ Pair)	Pair	2	125.00	250.00
19	7/10 SWG GI Saty wire (Grade 2)	Kg	20	75.00	1,500.00
20	GI Pipe earthing 40 mm Dia Medium gauge 3 mtrs long	No.	3	1050.00	3,150.00
21	Earthing coil for supports	No.	2	166.00	332.00
22	25x6 GI flat for neutral earthing	Kg	20	75.00	1,500.00
23	25x4mm GI Flat (for lightening Arrestor)	Kg	16	75.00	1,200.00
24	Concrete material for stay anchor plate with CC 1:3:6 using 4 cm size hard granite metal (0.45x0.45x1.5) mtr 0.3037 cum @4158.84= 0.3037x4158.84=1263.03 or 1270	No.	2	1270.00	2,540.00
25	Concreting of support CC 1:3:6 using 40 mm HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum@ 4158.84 = 0.3037x4158.84= 1263.03+ coupling with CC 1:3:6 by using 12mm size hard broken granide chips=0.3 mtrX0.3 mtrX0.45 mtr=0.0405cum	No.	2	1270.00	2,540.00

26	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	3	1723.00	5,169.00
27	Clamp connector and jumpering materials	LS	1	850.00	850.00
28	100 KVA 11/0.4 KV(AL) Transformer BIS energy	No	1	117000.00	117,000.00
29	1C x 95sqmm (Armoured) LT XLPE cable (From transformer to Box)	Mtr.	32	147.00	4,704.00
30	1C x 70sqmm (UnArmoured) LT XLPE cable (From Distribution box to LT line)	Mtr.	28	74.00	2,072.00
31	Socket & Other cable Accessories	Ls	1	450.00	450.00
32	MS Nuts bolt & Washers	KG	36	75.00	2,700.00
33	Danger board	No.	2	80.00	160.00
34	Base plate for support	No.	2	291.00	582.00
35	Construction of barbed wire fencing with sand and metal spraeding the new DPM substation with Size8x12 with 10nos 6ft RCC pilar, GI barbed wire, grill gate and locking arrangement	Ls	1	13312.00	13,312.00
36	Const. cost of RCC plinth for 160 KVA, 11/0.4KV transformer having CC work 2 mtr X 2mtr X0.9 mtr under the ground level and 1.8mtr x 1.8mtr x 1.8 above the ground level	No.	1	18700.00	18,700.00
37	Sundries (Paint,Danger Board, Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories, etc)	LS	1	1000.00	1,000.00
	Sub total of II in Rs				254,610.70
PART-III	Estimate for 3ph 5W LT line with 3x50+1x35+1x16 sqmm XLPE AB cable= 0.960km				
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	8 Mtr.long 200 KG PSC pole	No	24	2000.00	48,000.00

2	LT stay set complete	Set	5	520.00	2,600.00
3	LT stay set Insulator	No	5	30.00	150.00
4	LT stay clamp	Pair	5	158.00	790.00
5	7/12 SWG GI stay wire	Kg.	40	75.00	3,000.00
6	Concret material for stay Anchor plate	No	5	1200.00	6,000.00
7	Dead End clamp with I hook for AB cable	No	8	377.00	3,016.00
8	Suspension clamp with I hook for AB cable	No	16	401.00	6,416.00
9	3x50+1x35+1x16 sqmm LT XLPE AB cable	KM	0.96	140000.00	134,400.00
10	Insulated piercing connector	No	24	56.00	1,344.00
11	Neutral connector type	No	24	32.00	768.00
12	Concret material for support pole	No	24	443.00	10,632.00
13	RCC base plate	No	23	291.00	6,693.00
14	MS Nut,Bolt & Washers	Kg	10	95.00	950.00
15	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	1000.00	1,000.00
	Sub total of III in Rs				225,759.00
	Sub Total of A =(I+II+III)				489,584.70
	B. Stock, Storage & Insurance @ 3% of A				14,687.54
	Sub Total (C=A+B)				504,272.24
	T&P @ 2% of C				10,085.44
	Contingency @ 3% of C				15,128.17
	Transportation @ 7.5% of C				37,820.42
	Erection Charges @ 5% for transformer cost including stock, storage & insurance @3%				6,025.50
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				11,124.00
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				32,814.22
	Total Estimated Cost				617,270.00
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 @12%.

Signature of Tenderer with seal

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

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

**Sd/-
Joint Manager(Elect)**