

**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 :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO S.D.P.O BUILDING AT HINDOL IN THE DISTRICT OF DHENKANAL.

BID REF NO.- 50/JM/ELECT/OPHWC/2020-21

**NAME &
ADDRESS
OF THE
FIRM**

SCOPE OF WORKS

Sl. No.	Description of work	Unit	Qty.
[A]	Construction of 25KVA, 11/0.4KV DP Mounted Sub station	NO	1
[B]	Construction of 3Ph 3W 11KV line	KM	0.02
[C]	Construction of 3 ph 5 wire LT line with (3x50+1x35+1x16) sq.mm AB cable.	KM	0.16

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE (RS)	AMOUNT (RS)
SCOPE-A	Construction of 25KVA, 11/0.4KV DP Mounted Sub station				
1	116x100mm 10Mtr Long RS Joist Pole	No.	2	14950	29,900.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.	Kg.	51.52	65.00	3,348.80
3	Transformer mounting Channel 100x50x6mm. 2.8mtr. Long 2nos. (9.2kg./mtr.)	Kg.	51.52	65.00	3,348.80
4	A/B 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 AB Switch arm fuse 75x40x6mm-1Mtr Long 2 nos)(6.8Kg/mtr)	Kg.	13.6	65.00	884.00
6	Cantilever Channel for supporting H.G fuse 50x50x6mm.MS Angle(1.0 Mtr Long 2 nos)(4.5g/mtr)	Kg.	9	65.00	585.00

7	Angle for Cantilever arrangement for AB Switch & H.G fuse 50x50x6mm-2 Mtr each 2 nos(4.5g/mtr)	Kg.	18	65.00	1,170.00
8	Transformer belting Angle 50x50x6mm.angel-2.8mtr.Long, 2Nos.(4.5Kg./mtr.)with side angel (Total 7 mtrs)	Kg.	31.5	65.00	2,047.50
9	Angel for mounting L.T Distribution box 50x50x6 mm MS Angle(2.5 Mtrs Long each Long 2 nos)(4.5g/mtr)	Kg.	22.5	65.00	1,462.50
10	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7,350.00
11	11KV HG fuse 3 pole(400 Amp)	Set	1	11530.00	11,530.00
12	11KV L.A 12V-10KA	No.	3	3550.00	10,650.00
13	HT Stay Set complete	Set	2	1050.00	2,100.00
14	HT stay insulator	No.	2	50.00	100.00
15	HT Stay Clamp (1.95Kg/Pair)	Pair	2	125.00	250.00
16	7/10 SWG GI Stay Wire	Kg	20	75.00	1,500.00
17	GI Pipe Earthing 40 Dia Medium gage 3 Mtrs Long	No	5	1050.00	5,250.00
18	No 6 GI Wire	Kg	20	75.00	1,500.00
19	25x6 GI Flat for nutral	Kg	20	75.00	1,500.00
20	Fixing and concreting of stay set with 0.5 Cum cement concrete foundation 1:3:6 size 900mmx600mmX900mm)using 40mm BHG metal with all labour and material except stay set,Stay wire,Stay insulator	Nos	2	1753.90	3,507.80
21	Concreting of support CC-1:4:8 using 40mm BHG metal size- 5'x2'x2'=20CFT=0.570Cum Padding 900x600x150mm=0.081 0.651Cum @ 3071.25=1999.38 each	Nos	2	1999.38	3,998.76
22	Couping of support section 15"x15"(3.9CFT) height 2'-6'(1'-6" above G.L & 1' -0' below G.L)in C.C 1:2:4 using 12mm BHG Metal & curing for 5 days	Nos	2	512.40	1,024.80
23	Material for Massonary work for Earth Pit,Charcoal,Salt etc including construction of earthing chamber size:2'x2') and RCC slab cover	Nos	5	1719.90	8,599.50
24	55mm2 AAAC	Km	0.04	30000.00	1,200.00
25	Red Oxide paint	Ltr	3	150.00	450.00
26	Alluminum Paint	Ltr	4	200.00	800.00
27	Black Paint	Ltr	0.5	220.00	110.00
28	MS Nut,Bolt & washer	Kg	36	71.00	2,556.00
29	25KVA 11/0.4KV(AL)Transformer BIS Energy Level -II	No	1	53800.00	53,800.00

30	LT distribution Box with MCCB Aluminium Busbar of single bay with Kit Kat fuse for 25KVA S/S	No	1	14930.00	14,930.00
31	3 1/2 x35mm ² PVC Cable for 25 KVA TFR	Mtr.	15	152.00	2,280.00
32	Boundry wall for 25KVA S/S	No	1	40000.00	40,000.00
33	Sundries for survey ,PVC tape,Ampire tape,Danger Board small size nut & Bolt preparation of drawing Alm Socket etc	LS	1	3100.00	3,100.00
	Part-A				225,783.86
SCOPE-B	Construction of 3Ph3W 11KV line =0.02Km				
1	100x50x6mm M.S Channel	Kg.	60	65.00	3,900.00
2	11KV G.I Pin	No	3	80.00	240.00
3	11KV Pin Insulator	No	3	80.00	240.00
4	11KV Disc Insulator(B&S)	No	12	390.00	4,680.00
5	11KV HW Fittings(B&S)	No	6.00	350.00	2,100.00
6	HT stay set (Complete)	No.	2	1050.00	2,100.00
7	stay Insulator	No.	2	50.00	100.00
8	HT Stay Clamp	Pair	2	125.00	250.00
9	7/10 SWG Stay Wire	Kg	20	75.00	1,500.00
10	MS Nut & Bolt	Kg.	1	71.00	71.00
11	Concrete material for stay anchor plate	Nos.	2	1753.90	3,507.80
12	55mm ² Insulated conductor	Km	0.08	39398.80	3,151.90
13	Red Oxide paint	Ltr	2	150.00	300.00
14	Alluminum Paint	Ltr	2	200.00	400.00
15	Black Paint	Ltr	1	220.00	220.00
16	Sundries (Paint Danger Board Clamp connector anticlimbing device binding tape etc.)	LS		500.00	500.00
	Part-B				23,260.70
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable -0.16 Km				
1	116x100mm 9Mtr Long RS Joist Pole	Nos	4	13455.00	53,820.00
2	L.T Stay Insulator	Nos	3	30.00	90.00
3	L.T Stay set	Set	3	520.00	1,560.00
4	L.T Stay Clamp	Nos	3	110.00	330.00
5	7/12 SWG Stay Wire	Kg	30	75.00	2,250.00
6	5/8 M.S Nuts & Bolt	Kg	8	71.00	568.00
7	Concreting of stay	Nos.	3	1753.90	5,261.70
8	Dead end clamp	Nos.	1	65.00	65.00
9	Suspension clamp with I hook	Nos.	4	340.00	1,360.00
10	Insulated Piercing Connector	Nos.	2	80.00	160.00
11	Strain fittings	Nos.	3	66.00	198.00
12	Guy grip dead end	Nos.	3	59.40	178.20
13	Earthing coil type	Nos.	4	166.00	664.00
14	AB cable(3x50+1x35+1x16mm ²)	Km	0.17	140000.00	23,800.00

15	Concreting of support CC-1:4:8 using 40mm BHG metal size- 5'x2'x2'=20CFT=0.570Cum Padding 900x600x150mm=0.081 0.651Cum @ 3071.25=1999.38 each	Nos	4	1999.38	7,997.52
16	Couping of support section 15"x15"(3.9CFT) height 2'-6'(1'-6" above G.L & 1' -0' below G.L)in C.C 1:2:4 using 12mm BHG Metal & curing for 5 days	Nos	4	512.40	2,049.60
17	Red Oxide paint	Ltr	4	150.00	600.00
18	Alluminum Paint	Ltr	4	200.00	800.00
19	Black Paint	Ltr	3	220.00	660.00
20	Sundries	LS		200.00	200.00
	Part-C				102,612.02
A.	Sub -Total(Part-A+Part-B+Part-C)				351,656.58
B	Stock,storage and insurance (@3% on A)				10,549.70
C	TOTAL RS.				362,206.28
D	Contingency @ 3% of C				10,866.19
E.	T&P @ 2% of C				7,244.13
F	Transportation @ 7.5% of C				27,165.47
G.	Erection Charges of DTR and Joist Poles @ 5%			141645.60	7,288.56
H.	Erection Charges of other @ 10%			220560.68	22,698.48
I.	Total Rs.				437,469.10
L.	Or say				437,469.00
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)**