

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 BERHAMPUR UNIVERSITY,GANJAM.

BID REF NO :- 80/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.
SCOPE-A	The existing Karpalli feeder will be shifted to spare bay with Installation of one No. 11 KV VCB with CR panel (O/D)type with CTR-600/300/150/1A,STC,25KA/3 sec, class 0.5 & 5P10 Feeder and 1 No. of 400 A AB Switch on 11 KV bay and construction of new Line with 80 sq. mm AAAC -0.1 Km				
1	9 Mtr Long 300 Kg PSC Pole	No	2	3720.00	7440.00
2	F' Clamp(Pole Top)	No.	1	297.60	297.60
3	11 KV GI 'V" cross arm(MS-10.2 Kg each)	No.	1	1004.40	1004.40
4	Back Clamp for 'V' Cross Arm	No.	1	99.20	99.20
5	Pressure Channel 100X50X6mm..(9.2kg/mtr.)GI	Kg.	68.08	93.00	6331.44
6	Cut Point Channel 100X50X6mm.(9.2kg/mtr.)GI	Kg.	31.28	93.00	2909.04
7	11 KV VCB with CR Panel(O/D) type with (CTR-600/300/150/1-1A,STC 25 KA/3SEC, CLASS(0.5 & SP10)Feeder protection	No	1	414160.00	414160.00
8	11KV AB switch 3 pole(400 Amp)	Set	1	14694.00	14694.00
9	A/B switch Mounting Channel 100x50x6mm.(9.2kg./mtr.)	Kg.	68.08	93.00	6331.44
10	11KV Disc insulator B&S Polymer 45 KN	No.	9	1066.40	9597.60
11	11KV H.W Fittings B&S 2 bolted,45 KN	No.	9	322.40	2901.60
12	11KV Pin Insulator Polymer	No.	6	248.00	1488.00
13	HT stay set (Complete)	No.	2	1302.00	2604.00
14	Stay wire(7/10 SWG)	Kg	20	93.00	1860.00
15	stay Insulator	No.	2	62.00	124.00

16	Stay clamp	pair	2	155.00	310.00
17	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	3	1302.00	3906.00
18	25x4 mm GI flat for earthing	Kg	30	93.00	2790.00
19	GI nut,bolt & washers	Kg	20	96.72	1934.40
20	80 sq. mm AAAC	Km	0.309	53320.00	16475.88
21	GI Base plate for support 20 Kg (500x500x10)mm	No	2	1860.00	3720.00
22	Earthing coil for support	No.	2	205.84	411.68
23	Danger Plate	No.	2	99.20	198.40
24	Sundries (, Anticlimbing Device,survey, tree cutting, small size nut bolt,All. /binding wire/tape etc.)	LS	1	500.00	500.00
A	TOTAL MATERIAL COST IN RS.				502088.68
SCOPE-B	Construction of 1 No. 400 A AB switch on existing university 11 Kv Bay and construction of 11 Kv Line with with 80 sq. mm AAA Conductor -0.1 Km (2 spans)				
1	9 Mtr Long 300 Kg PSC Pole	No	1	3720.00	3720.00
2	Pressure Channel 100X50X6mm..(9.2kg/mtr.)GI	Kg.	193.2	93.00	17967.60
3	11KV AB switch 3 pole(400 Amp)	Set	1	14694.00	14694.00
4	A/B switch Mounting Channel 100x50x6mm.(9.2kg./mtr.)	Kg.	68.08	93.00	6331.44
5	11KV Pin Insulator Polymer	No.	3	248.00	744.00
6	11KV Disc insulator B&S Polymer 45 KN	No.	9	1066.40	9597.60
7	11KV H.W Fittings B&S 2 bolted,45 KN	No.	9	322.40	2901.60
8	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	1	1302.00	1302.00
9	25x4 mm GI flat for earthing	Kg	10	93.00	930.00
10	HT stay set (Complete)	No.	4	1302.00	5208.00
11	stay Insulator	No.	4	62.00	248.00
12	Stay clamp	pair	4	155.00	620.00
13	Stay wire(7/10 SWG)	Kg	40	93.00	3720.00
14	GI Base plate for support 20 Kg (500x500x10)mm	No	1	1860.00	1860.00
15	Earthing coil for support	No.	1	205.84	205.84
16	Danger Plate	No.	1	99.20	99.20
17	GI nut,bolt & washers	Kg	2	96.72	193.44
18	80 sq. mm AAAC	Km	0.309	53320.00	16475.88
19	Sundries (, Anticlimbing Device,survey, tree cutting, small size nut bolt,All. /binding wire/tape etc.)	LS	1	500.00	500.00
B	TOTAL MATERIAL COST IN RS.				87318.60

SCOPE-C	The existing karpalli feeder will be proposed Golabandha Feeder with existing VCB and construction of new 11 KV Line with 2 Nos. of 11 Mtr. Long GI Joist Pole and PSC Pole-0.2 Km(6 spans)				
1	11 Mtrs. Long 150x150mm GI Joist Pole	Kg	761.2	93.00	70791.60
2	9 Mtr Long 300 Kg PSC Pole	No	4	3720.00	14880.00
3	8 Mtr Long 200 Kg PSC Pole(stud)	No	2	2480.00	4960.00
4	Stud Clamps	Pair	2	155.00	310.00
5	Cut Point Channel 100X50X6mm.(9.2kg/mtr.)GI	Kg.	187.68	93.00	17454.24
6	F' Clamp(Pole Top)	No.	3	240.00	720.00
7	11 KV GI 'V' cross arm(MS-10.2 Kg each)	No.	3	810.00	2430.00
8	Back Clamp for 'V' Cross Arm	No.	3	80.00	240.00
9	11KV Pin Insulator Polymer	No.	18	248.00	4464.00
10	11KV Disc insulator B&S Polymer 45 KN	No.	24	1066.40	25593.60
11	11KV H.W Fittings B&S 2 bolted,45 KN	No.	24	322.40	7737.60
12	HT stay set (Complete)	No.	4	1302.00	5208.00
13	stay Insulator	No.	4	62.00	248.00
14	Stay clamp	pair	4	155.00	620.00
15	Stay wire(7/10 SWG)	Kg	40	93.00	3720.00
16	GI Base plate for support 20 Kg (500x500x10)mm	No	8	1860.00	14880.00
17	Earthing coil for support	No.	6	205.84	1235.04
18	Danger Plate	No.	6	99.20	595.20
19	80 sq. mm AAAC	Km	0.618	53320.00	32951.76
20	GI nut,bolt & washers	Kg	12	96.72	1160.64
21	Road cross Guarding	Ls	1	8602.00	8602.00
22	Sundries (, Anticlimbing Device,survey, tree cutting, small size nut bolt,All. /binding wire/tape etc.)	LS	1	620.00	620.00
					219421.68
SCOPE-D	The existing Golabandha Feeder will be proposed dedicated university feeder with Line DP with 400 A AB switch and Construction of new 11 KV Line with 2 Nos. of 11 Mtr. Long GI Joist Pole and PSC Pole-0.2 Km(6 spans)				
1	11 Mtrs. Long 150x150mm GI Joist Pole	Kg	761.2	93.00	70791.60
2	10 Mtrs. Long 150x150mm GI Joist Pole	Kg	1038	93.00	96534.00
3	9 Mtr Long 300 Kg PSC Pole(1 No. stud Pole)	No	1	3720.00	3720.00
4	Stud Clamps	Pair	1	155.00	155.00
5	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	119.6	93.00	11122.80

6	Cut Point Channel 100X50X6mm.(9.2kg/mtr.)GI	Kg.	187.68	93.00	17454.24
7	11KV AB switch 3 pole(400 Amp)	Set	1	14694.00	14694.00
8	A/B switch Mounting Channel 100x50x6mm.(9.2kg./mtr.)	Kg.	51.52	93.00	4791.36
9	11KV Pin Insulator Polymer	No.	9	248.00	2232.00
10	11KV Disc insulator B&S Polymer 45 KN	No.	21	1066.40	22394.40
11	11KV H.W Fittings B&S 2 bolted,45 KN	No.	21	322.40	6770.40
12	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	1	1302.00	1302.00
13	25x4 mm GI flat for earthing	Kg	30	93.00	2790.00
14	HT stay set (Complete)	No.	6	1302.00	7812.00
15	stay Insulator	No.	6	62.00	372.00
16	Stay clamp	pair	6	155.00	930.00
17	Stay wire(7/10 SWG)	Kg	60	93.00	5580.00
18	GI Base plate for support 20 Kg (500x500x10)mm	No	6	1860.00	11160.00
19	Earthing coil for support	No.	5	205.84	1029.20
20	Danger Plate	No.	5	99.20	496.00
21	GI nut,bolt & washers	Kg	25	96.72	2418.00
22	80 sq. mm AAAC	Km	0.309	53320.00	16475.88
23	Road cross Guarding	Ls	1	8602.00	8602.00
24	Sundries (, Anticlimbing Device,survey, tree cutting, small size nut bolt,All. /binding wire/tape etc.)	LS	1	620.00	620.00
					310246.88
	Sub Total Rs.				1119075.84
	B.Deduction of Salvage Value @8 %				89,526.07
	C. Total Material cost after deducting Salvage Value @8%				10,29,549.77
	D. Stock, Storage & Insurance @ 3% of C				30,886.49
	E. Sub Total (E=C+D)				10,60,436.27
	T&P @ 2% of E				21,208.73
	Contingency @ 3% of E				31,813.09
	Transportation @ 7.5% of E				79,532.72
	Erection Charges @ 5% for Joist /VCB cost including stock, storage & insurance @3%				30,904.86
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				6,580.13
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance @3%				40,943.83
					1271419.62
25	Cement Concreting for stay anchor plate 0.5 cum CC foundation 1:3:6 size(900x600x900mm)using 40 mm BHG metal with all Labour & material.	Nos.	16	1270.00	20320.00

26	Concreting material for support CC foundation 1:4:8 size using 40 mm BHG metal size 5'x2'x2'=20 CFT=0.57 cum & padding 900x600x150 mm =0.081 cum.	Nos.	17	1460.00	24820.00
27	Material for Earthpit ,charcoal,salt, etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover.	No	5	1600.00	8000.00
28	Plinth for VCB as per PWD code for mounting Distribution Transformer	Nos.	1	35000.00	35000.00
29	Dismantling charges of existing HT Lines	Span	7	500.00	3500.00
30	Dismantling charges of existing HT Poles	Ls	3	972.00	2916.00
31	Dismantling of existing Double pole structure	No	1	3000.00	3000.00
	TOTAL RS.				13,68,975.62
	Cess @1%				13,689.76
C	Total Estimated Cost				13,82,665.38
D	Total Estimated Cost in Figures				13,82,665.00
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.)