

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com /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 ACADEMIC BUILDING-I (G+3) & II (G+2), COE OFFICE AND VALUATION ZONE (G+2) OF BERHAMPUR UNIVERSITY, BERHAMPUR.****BID REF NO :- 22/PM/ELECT/OPHWC/2025-26**

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.
	PART-A				
PART-I	11 KV LINE -0.280 KM				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	10	34321.52	343215.20
2	11 KV 'V' cross arm(10.2 Kg each)	No.	10	1101.60	11016.00
3	GI Back clamp for 11 KV V Cross Arm	No.	10	108.80	1088.00
4	Top F clamp for PSC Pole ,2.9 Kg	No.	10	326.40	3264.00
5	Disc insulator 45 KN (T&C) Polymer	No.	48	1169.60	56140.80
6	11 KV HW fitting (T&C)45 KN	No	48	353.60	16972.80
7	11KV Pin Insulator polymer	No.	54	272.00	14688.00
8	HT stay set complete	No.	5	1428.00	7140.00
9	11KV stay insulator	No.	5	68.00	340.00
10	HT stay clamp (1.9 Kg/Pair)	pair	5	170.00	850.00
11	7/10 SWG stay wire, Grade-2 for stay, support of XLPE cable	Kg	50	102.00	5100.00
12	Earthing support coil type	No	10	225.76	2257.60
13	8 SWG GI wire Dia 4.6 mm ,0.131 Kg/Mtr.-2 Mtr. Each pole connecting Pole with coil earthing	Kg	2.62	102.00	267.24
14	GI Nuts and Bolts of assorted size	Kg	30	106.08	3182.40
15	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each ,cut point 1 Nos.	Kg	36	102.00	3672.00
16	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each ,tapping point 1 Nos.	Kg	25.76	102.00	2627.52
17	Fish plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	8	102.00	816.00
18	11 KV 1 core 100 sq. mm XLPE insulated AAAC(Unarmoured)	Km	0.92	122400.00	113097.60
19	PG clamp for 100 sq. mm AAAC	No	24.00	788.80	18931.20
20	GI Base Plate(500x500x10 mm) for PSC Pole(20 Kg)	No	10.00	2040.00	20400.00
21	GI Barbed wire for anticlimbing device 3 Kg per support	Kg	30	108.80	3264.00
22	Back clamp for anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length	Kg	24.94	102.00	2543.88

23	Danger Board	No	10	108.80	1088.00
24	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	3.06	102.00	312.12
25	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	10	1428.00	14280.00
26	8 SWG GI wire	Kg	2.29	102.00	233.58
27	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
Sub Total					647787.94
PART-II	Installation of 250 KVA 11/0.4KV sub station -1 No.				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	225.76	451.52
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.448
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
5	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
6	Cantilever GI Channel for supporting AB Switch Arm,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.2
7	Cantilever GI angle for supporting AB Switch & HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.5	102.00	1377
8	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	9	102.00	918
9	AB switch side support channel 100x50x6 mm, 9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	102.00	656.88
10	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	102.00	554.88
11	75x40x6 mm GI channel 2.8 Mtr. Long 2 Nos. supporting cross Bracing at bottom of DP	K.g	76.16	102.00	7768.32
12	Disc insulator 45 KN (T&C) Polymer	No.	3	1169.60	3508.8
13	11 KV HW fitting (T&C)45 KN	No	3	353.60	1060.8
14	11KV AB switch 3 pole(200 Amp, 50 Hz)	Set	1	9996.00	9996
15	11KV HG fuse 3 pole(200 Amp)	Set	1	8323.20	8323.2
16	11 KV LA(9 KV, 10 KA)	No.	3	1360.00	4080
17	HT stay set (Complete)REC Construction standard	No.	2	1428.00	2856
18	HT stay Insulator, Type-C	No.	2	68.00	136
19	Stay clamp(1.9 Kg/Pair)	pair	2	170.00	340
20	7/10 SWG GI Saty wire, grade-2	Kg	20	102.00	2040
21	250 KVA, 11/0.4 KV (CU) Transformer with Tap changer BIS Energy Level-II	No	1	601213.06	601213.06
22	LT Distribution box with MCCB, Aluminium Bus bar for 2 bay with Kitkat Fuse for 250 KVA S/S	No	1	65280.00	65280
23	150 sq. mm 1 core LT XLPE Cable	Mtr.	40	285.60	11424
24	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040
25	PG clamp for 55 sq. mm AAAC	Nos.	3	652.80	1958.4
26	Fish plate 50x6 mm ,2.36 Kg/Mtr.,each 0.28 Mtr.	Kg	3.96	102.00	403.92

27	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9996
28	25x6 mm GI flat(Neutral)	Kg	10	102.00	1020
29	25x4 mm GI flat	Kg	60	102.00	6120
30	GI Base Plate(500x500x10 mm) for PSC Pole (20 Kg)	No	2.00	2040.00	4080
31	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652
32	Danger Board	No.	2	108.80	217.6
33	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	102.00	61.3836
34	GI 2 ply ,2.5 mm dia Barbed wire for Anticlimbing Device	Kg	6	108.80	652.8
35	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.407	102.00	245.514
36	Sundries (clamp connector, jumpering materials, paint etc.)	LS	1	1000.00	1000
	PART-II				835539.13
	A.Sub Total Rs.				1483327.07
B	Stock,storage and insurance (@3% on A)				44499.81
C	TOTAL RS.				1527826.88
D	T&P @ 2% of C				30556.54
E	Contingency @ 3% of C				45834.81
F	Transportation @ 7.5% of C				114587.02
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				100609.51
H	TOTAL RS.				1819414.75
37	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum @6177.92 cum	Nos.	7	1235.58	8649.06
38	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size -2"x2") and RCC slab cover.	Ls	17	1600.00	27200
39	Concreting of WPB Pole in ratio 1:1:5:9=0.45 cum	Nos.	12	2880.00	34560
40	Couping of Poles in ratio 1:1:5:3,0.1125 cum for each pole@6400/per cum	Nos.	12	720.00	8640
41	Construction of Brick wall Boundary with civil and MS material with metal and sand spreading .	Mtr.	18.00	7,300.12	131402.16
42	Construction of Plinth for 11/0.4KV ,250 KVA DSS	No	1.00	32,181.60	32181.6
				Sub Total	242632.82
	Total Estimated Cost				2,062,047.57
III	Supply and Laying of 1.1 KV LT U/G Cable using 4 C x 95 Sq. mm of length 140 Mtr.				
1	Supply of materials for 1.1 KV XLPE insulation armoured UG cablele with accessories-Open trench (along with spare cable)				

A	Length of 1.1 KV, 4C, 95 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	140		
1.1	4 core 95 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	290	438.71	127,225.90
1.2	Supply of HDPE PE 80-PN8 pipe of 110mm diameter	Mtr.	280	306.00	85,680.00
A	A. Sub total				212,905.90
	Erection Portion				
1	Laying ,commissioning ,Testing of 1.1 KV , Aluminium, XLPE insulation armoured UG cable by open trench method				
1.2	Laying of 1.1 KV ,4 core 95 sq. mm XLPE insulation armoured-aluminium UG cable	Mtr	290	47.87	13,882.30
1.3	Laying of 110 mm HDPE pipe	Mtr	280	306.87	85,923.60
2	SITC of Gland /AL term				
2.1	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,50-95 sq. mm including making hole in Base plate and dressing of cable along with vermin proofing properly .supply to be done as per TPSODL specification and approved make dowells.	EA	3	690.46	2,071.38
	Sub Total				101,877.28
Civil Portion					
2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for UG Cable Trench				
2.1	Earth work excavation of soil	cum	98	716.03	70,170.94
2.2	Earth work excavation of Hard rock	Cum	42	1759.39	73,894.38
2.3	Back filling with excavated soil outside and above the trench	Cum	140	204.58	28,641.20
2.4	Damage of asphalt/tar road and other utilities and reconstructing to bring to its original shape after laying of cable in open trench (1mtr. width)	Km	0.14	3874084.29	542,371.80
	Sub Total (Civil Portion) (in Rs.)				715,078.32
A	Sub Total (Supply Portion)				212,905.90
B	Stock, Storage & Insurance @ 3 % of A				6,387.18
C	Sub Total (A+B)				219,293.08
D	Contingency @ 3 % of C				6,578.79
E	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				
F	Transportation @ 7.5% of C				16,446.98
G	Erection Charges @ 10% of earthing items				
H	Total (C+D+E+F+G)				242,318.85
I	Sub Total (Erection Portion + Civil Portion)				816,955.60
J	Total Cost (H+I)				1,059,274.45
IV	Supply and Laying of 1.1 KV LT U/G Cable using 4 C x 150 Sq. mm of length 180 Mtr.				

1	Supply of materials for 1.1 KV XLPE insulation armoured UG cablele with accessories-Open trench (along with spare cable)				
A	Length of 1.1 KV, 4C, 150 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	180		
1.1	4 core 150 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	370	803.89	297,439.30
1.2	Supply of HDPE PE 80-PN8 pipe of 160 mm diameter	Mtr.	360	667.00	240,120.00
1.3	LT FEEDER PILLAR BOX 2 I/C 630A Fuse, 6 Way 315A O/G Fuse	No	2	46,438.67	92,877.34
2	Earthing of Multimeter Panel				-
2.1	Earthing conductor 50x6mm (2.4 Kg/Mtr.)GI flat for equipment ,structure etc.)	Kg	52.8	102.00	5,385.60
2.2	Pipe earthing 40 mm GI pipe	Nos	4	1,428.00	5,712.00
A	A. Sub total				641,534.24
Erection Portion					
1	Laying ,commissioning ,Testing of 1.1 KV , Aluminium, XLPE insulation armoured UG cable by open trench method				
1.2	Laying of 1.1 KV ,4 core 150 sq. mm XLPE insulation armoured-aluminium UG cable	Mtr	370	73.65	27,250.50
1.3	Laying of 160 mm HDPE pipe	Mtr	360	306.00	110,160.00
2	SITC of Gland /AL term				
2.1	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 120-185sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPSODL Specification and approved make dowells.	EA	4	920.61	3,682.44
3	Installation, Testing & Comissioning of Feeder Pillar /Minipillar Type as per TPSODL specification on existing Structure/foundation. Scope of work exclude construction of foundation (brick work, concreting etc) and earthing	EA	2	3,105.52	6,211.04
					147,303.98
Civil Portion					
2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for UG Cable Trench				
2.1	Earth work excavation of soil	cum	126	716.03	90,219.78
2.2	Earth work excavation of Hard rock	Cum	54	1,759.39	95,007.06
2.3	Back filling with excavated soil outside and above the trench	Cum	180	204.58	36,824.40
2.4	Damage of asphalt/tar road and other utilities and reconstructing to bring to its original shape after laying of cable in open trench (1mtr. width)	Km	0.18	3,874,084.29	697,335.17
3	Civil works for Prefabricated RCC foundation with supply of all materials				
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3.1	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.	Set	4	3,784.00	15,136.00
Sub Total (Civil Portion) (in Rs.)					934,522.41
A	Sub Total (Supply Portion)				641,534.24
B	Stock, Storage & Insurance @ 3 % of A				19,246.03
C	Sub Total (A+B)				660,780.27
D	Contingency @ 3 % of C				19,823.41
E	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				2,024.22
F	Transportation @ 7.5% of C				49,558.52
G	Erection Charges @ 10% of earthing items				10,121.08
H	Total (C+D+E+F+G)				742,307.49
I	Sub Total (Erection Portion + Civil Portion)				1,081,826.39
J	Total Cost (H+I)				1,824,133.89
				Sub Total Rs.	4,945,455.90
				Cess @1%	49,454.56
				Total Estimated Cost	4,994,910.46
				Total Estimated Cost in Figures	4,994,910.00
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)		In Figure _____ %			
		In word _____ %			
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/-
Dy. Manager (Elect)

Sd/-
Project Manager (Elect)