

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****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 SCIENCE BLOCK (GF & FF) AT NACHUNI MAHAVIDYALAYA, NACHUNI IN THE DISTRICT OF KHURDA.****BID REF NO :-82/PM/ELECT/OPHWC/2025-26**

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH 180 DEGREE ANGLE				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	35,249.16	70,498.32
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	45.888	102.00	4,680.58
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.57	102.00	1,078.14
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.7	102.00	1,193.40
5	Danger plate	No	2	108.80	217.60
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6	102.00	61.20
7	GI barbed wire/Anticlimbing device	No	6	108.80	652.80
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.41	102.00	245.82
9	11 KV pin insulator polymer	Set	6	272.00	1,632.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	12	476.00	5,712.00
11	Disc insulator (B&S) 70 KN polymer	No.	12	1,564.00	18,768.00
12	Earthing of Support (Coil Type)	No	2	225.76	451.52
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.52	102.00	53.04
14	Non metallic ties -11 KV 55 sq. mm covered AAAC	No	6	251.00	1,506.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	12	371.00	4,452.00
16	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	4	332.00	1,328.00

17	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.1	106.08	753.17
18	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	4	167.46	669.84
19	Black paint (GIS Numbering & Zebra stripping)	Ltr	1	299.20	299.20
A	A. Sub total				114,252.62
B	B. Stock, Storage & Insurance @ 3% of A				3,427.58
C	Sub Total (C=A+B)				117,680.20
D	T&P @ 2% of C				2,353.60
E	Contingency @ 3% of C				3,530.41
F	Transportation @ 7.5% of C				8,826.02
		Erection Charges @ 5% on poles			3,630.66
G	Erection Charges @ 10%				4,506.69
H	Total				140,527.58
20	Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	0.9	6,648.85	5,983.97
21	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.225	6,648.85	1,495.99
	Total Material + Services Cost (J+K)				148,007.53
B	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	3	35,249.16	105,747.48
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	137.664	102.00	14,041.73
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	31.7184	102.00	3,235.28
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	35.10432	102.00	3,580.64
5	Danger plate	No	3	108.80	326.40
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.9027	102.00	92.08
7	GI barbed wire/Anticlimbing device	No	9	108.80	979.20
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	3.6108	102.00	368.30
9	11 KV pin insulator polymer	Set	13	272.00	3,536.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	21	476.00	9,996.00
11	Disc insulator (B&S) 70 KN polymer	No.	21	1,564.00	32,844.00
12	Earthing of Support (Coil Type)	No	3	225.76	677.28
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.786	102.00	80.17
14	Non metallic ties -11 KV 55 sq. mm AAAC	No	13	251.00	3,263.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	21	371.00	7,791.00
16	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	6	332.00	1,992.00
17	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	6	170.00	1,020.00

18	H.T. Stay set (Complete)	SET	6	1,428.00	8,568.00
19	H.T. Stay Insulator Type-C	EA	6	68.00	408.00
20	7/10 SWG Stay Wire 15kg /stay	KG	90	102.00	9,180.00
21	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	22.299	106.08	2,365.48
22	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	6	167.46	1,004.76
23	Black paint (GIS Numbering & Zebra stripping)	Ltr	1.5	299.20	448.80
A	A. Sub total				211,545.59
B	B. Stock, Storage & Insurance @ 3% of A				6,346.37
C	Sub Total (C=A+B)				217,891.96
D	T&P @ 2% of C				3,962.81
E	Contingency @ 3% of C				6,536.76
F	Transportation @ 7.5% of C				16,341.90
		Erection Charges @ 5% on poles			5,445.99
G	Erection Charges @ 10%				8,922.00
H	Total				259,101.42
25	Fixing of complete 11KV line 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 BA will do the excavation including excavation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	No	6	2,301.53	13,809.18
26	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	1.35	6,648.85	8,975.95
28	Couping ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	Cum	0.3375	6,648.85	2,243.99
	Total Material + Services Cost (J+K)				284,130.53
C	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	6	35,249.16	211,494.96
2	11 KV V cross arm	No	6	1,101.60	6,609.60
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	6	204.00	1,224.00
4	Danger plate	No	6	108.80	652.80
5	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	102.00	184.62
6	GI barbed wire/Anticlimbing device	No	18	108.80	1,958.40
7	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	102.00	736.44
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	18	272.00	4,896.00
9	Earthing of Support (Coil Type)	No	6	225.76	1,354.56
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.57	102.00	160.14

11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	8.7	106.08	922.90
12	55 sq. mm AAAC XLPE covered conductor	Mtr.	1266.90	99.74	126,360.61
13	Yellow colour paint for Background	Ltr	12	167.46	2,009.52
14	Black colour paint for numbering	Ltr	6	299.20	1,795.20
15	Non metallic ties -11 KV 55 sq. mm AAAC	No	18	251.00	4,518.00
16	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	12	332.00	3,984.00
A	A. Sub total				368,861.74
B	B. Stock, Storage & Insurance @ 3% of A				11,065.85
C	Sub Total (C=A+B)				379,927.59
D	T&P @ 2% of C				7,598.55
E	Contingency @ 3% of C				11,397.83
F	Transportation @ 7.5% of C				28,494.57
	Erection Charges @ 5% on poles				10,891.99
G	Erection Charges @ 10%				16,208.78
H	Total				454,519.31
15	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	2.7	6,648.85	17,951.90
16	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.675	6,648.85	4,487.97
	Total Material + Services Cost (J+K)				476,959.18
II	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 SPAN				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	62.832	102.00	6,408.86
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	7.68	102.00	783.36
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	1.64	102.00	167.03
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	136.00	544.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1,428.00	2,856.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	102.00	5,151.41
A	TOTAL MATERIAL COST				15,910.66
B	Stock, Storage & Insurance @ 3% of A				477.32
C	Sub Total (C=A+B)				16,387.98
D	Contingency @3% of C				491.64
E	T & P 2% of C				268.93
F	Transportation @ 7.5% of C				1,229.10
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,344.63
J	Sub Total Rs.				19,722.27
7	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	2	3,784.73	7,569.46
	Total Rs.				27,291.73
III	INSTALLATION OF 1 NO. 11 KV DP WITH AB SWITCH AND LA FOR HT METERING UNIT.				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	35,249.16	70,498.32

2	Top Channel(GI) 100X50X6mm, 9.56 KG/Mtr., each Channel(GI) length 3 mtr., 2 no's Channel(GI) required = (2x9.56x3)	KG	57.36	102.00	5,850.72
3	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	3.965	102.00	404.43
4	AB switch Mounting Channel(GI) 75X40X4.8mm, 7.14KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	42.84	102.00	4,369.68
5	HT MU Mounting Channel(GI) 100X50X6mm, 9.56KG/Mtr, each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(9.56x3x2)	KG	57.36	102.00	5,850.72
6	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.81x7.14)	KG	11.567	102.00	1,179.83
7	Angle(GI) for Cantilever arrangement for HT MU 50 x 50 x 6 - 1282 mm.each 2 nos.(4.5 K.g. per mtr.)	KG	11.538	102.00	1,176.88
8	MU and AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 4 no's Channel(GI) required =(9.56x4x0.35)	KG	13.384	102.00	1,365.17
9	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	KG	5.712	102.00	582.62
10	Double Pole Belting Channel(GI) 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 3 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	KG	42.84	102.00	4,369.68
11	50x50x6mm.GI Bracing Angle(GI), 4.5Kg./mtr., each Angle(GI) length 3.512 mtr., 2 nos Angle(GI) required = (4.5x3.512x2)	KG	31.608	102.00	3,224.02
12	Danger Plate, 2 no's.	No	2	108.80	217.60
13	Back Clamp for danger Plate 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	0.6018	102.00	61.38
14	55mm ² ACSR - PVC Insulated for Jumpering	Mtr.	15	55.24	828.60
15	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	170.00	340.00
16	H.T. Stay set (Complete)	SET	2	1,428.00	2,856.00
17	H.T. Stay Insulator Type-C	EA	2	68.00	136.00
18	7/10 SWG Stay Wire 15kg /stay	KG	30	102.00	3,060.00
19	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	2	1,428.00	2,856.00
20	50x6mm Flat(GI) 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	48.38	102.00	4,934.76
21	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	KG	6	108.80	652.80
22	Back Clamp for anticlimbing device 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	2.407	102.00	245.51
23	Lightning Arrester(12KV,10KA) (Station Class,class-2)	No.	3	4,828.00	14,484.00
24	AB Switch (11KV,200A.3pole,50Hz)	SET	1	9,996.00	9,996.00

25	11 KV pin insulator polymer	EA	3	272.00	816.00
26	H W fitting(B&S) 70KN, 3Bolt	EA	6	476.00	2,856.00
27	Disc insulator (B&S) 70 KN polymer	EA	6	1,564.00	9,384.00
28	Wedge connector for 55 sq. mm conductor	EA	6	146.20	877.20
29	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	KG	13.718	106.08	1,455.21
30	Polycarbonate Bird Guard	EA	9	20.96	188.64
31	Black Paint(GIS Numbering & Zebra Stripping)	L	1	299.20	299.20
32	Yellow Colour Paint(GIS Numbering & Zebra Stripping) for Background	L	2	167.46	334.92
A	A. Sub total				155,751.89
B	B. Stock, Storage & Insurance @ 3% of A				4,672.56
C	Sub Total (C=A+B)				160,424.45
D	T&P @ 2% of C				3,017.98
E	Contingency @ 3% of C				4,812.73
F	Transportation @ 7.5% of C				12,031.83
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,630.66
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				7,828.57
J	Total				191,746.22
33	Fixing of complete 11KV line 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 BA will do the excavation including excavation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	EA	2	2,301.53	4,603.06
34	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45 Cu.mtr(Per Pole)	Cu. Mtr	0.9	6,648.85	5,983.97
35	Couping ratio 1:1.5:3(M-20 Grade) (500mmX500mmX450 mm) = 0.1125 Cu.mtr(Per Pole)	Cu. Mtr	0.225	6,648.85	1,495.99
36	Construction Earthing chamber including installation of earthing pipe.Making earthing chamber including excavation , soil treatment with bentonide powder ,	EA	2	3,784.73	7,569.46
37	Supply and Erection of GI Fencing with Gate	M2	20	3,682.44	73,648.80
					93,301.28
	Sub total Rs				285,047.50
IV	INSTALLATION OF 250 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36,804.27	73,608.54
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	2	4,260.00	8,520.00

3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	3	284.00	852.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	3	85.20	255.60
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	3	92.30	276.90
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.) (Each 6x1.000x7.14= 42.84 Kg)	Kg	42.84	106.50	4,562.46
7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6,108.84
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
9	Double pole Belting Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	106.50	4,562.46
10	50X50X6 mm.GI Bracing Angle,4.5 Kg/Mtr.,3512 mm Long, 4.5KG/Mtr., 2 Nos.	Kg	31.608	106.50	3,366.25
11	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
12	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
13	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	106.50	712.49
14	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	106.50	608.22
15	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
16	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1,232.21
17	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1,229.01
18	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	106.50	16,487.27
19	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619,789.27	619,789.27
20	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	68,160.00	68,160.00
21	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74	4,987.00
22	1Cx400 sq. mm LT XLPE cable	Mtr	120	363.08	43,569.60
23	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel(GI) (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Kg	38.24	106.50	4,072.56
24	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Kg	36	106.50	3,834.00
25	Supply of 1.1kV, 4Core, 150 sqmm, XLPE insulation armoured -Aluminium UG cable from LTDB to Pole	Mtr.	60	805.08	48,304.80
26	11 KV AB switch (200 Amp, 3 pole)	Set	1	10,437.00	10,437.00
27	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8,690.00	8,690.00
28	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00

29	Polycarbonate Bird Guard	No	6	29.40	176.40
30	11 KV Disc insulator polymer type 70 KN	No	3	1,633.00	4,899.00
31	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
32	11 KV LA (12KV,10 KA)station class-2	No	3	5,041.00	15,123.00
33	11 KV Pin Insulator polymer type	No	3	284.00	852.00
34	HT Stay Set (Complete)	Set	2	1,491.00	2,982.00
35	HT Stay Insulator	No.	2	177.50	355.00
36	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
37	7/10 SWG Stay Wire	KG	30	106.50	3,195.00
38	GI Pipe for earthing 40mm dia 3mtr long	No	7	1,491.00	10,437.00
39	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
40	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
41	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	106.50	256.37
42	Danger plate	Kg	2	113.60	227.20
43	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	106.50	64.09
44	Name Plate	No	1	113.60	113.60
	Structure Numbering and marking				
45	Yellow colour paint for Background	Ltr	2	216.00	432.00
46	Black colour paint for numbering	Ltr	1	312.40	312.40
A	A. Sub total				993,445.96
B	B. Stock, Storage & Insurance @ 3% of A				29,803.38
C	Sub Total (C=A+B)				1,023,249.34
D	T&P @ 2% of C				18,219.88
E	Contingency @ 3% of C				30,697.48
F	Transportation @ 7.5% of C				76,743.70
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				35,709.98
H	Erection Charges @ 20% on PSC Poles				1,755.08
I	Erection Charges @ 10% for other materials				18,801.86
J	Total				1,205,177.32
47	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6,648.85	5,983.97
48	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6,648.85	1,502.64
49	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	0.875	5,247.48	4,591.55
50	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	2,301.53	4,603.06

51	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	3,784.73	26,493.11
52	LT DB Plinth	No	1	6,000.00	6,000.00
53	DTR Plinth upto 1000 KVA	No	1	28,000.00	28,000.00
54	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	60	73.65	4,419.00
55	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	96.66	11,599.20
56	Supply and Erection of GI fencing with Gate	Sq. Mtr.	18	3,682.44	66,283.92
57	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.45 Cu. Mtr.	Cum	0.75	6,648.85	4,986.64
58	Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	16	322.21	5,155.36
59	Supply of AL Lugs suitable for 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	24	156.50	3,756.00
60	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	8	1,227.48	9,819.84
61	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 TPCODL Spec and approved make dowells.	No	3	920.61	2,761.83
					185,956.11
				Sub total Rs	1,391,133.42
V	LT Line using 4C×70 mm² (P)+1CX70 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)-- -0.315 Km				
1	9 Mtr Long 300 KG PSC Pole	No	9	4,260.00	38,340.00
2	LT Stay set Complete	Set	9	738.40	6,645.60
3	7/12 SWG GI stay wire, Grade -2	Kg	108	106.50	11,502.00
4	LT stay Clamp (1.40Kg/pair)	Pair	9	156.20	1,405.80
5	LT Stay insulator	No	9	42.60	383.40
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	39	284.00	11,076.00
7	EYE hook for XLPE Aerial bunched Cable	No	18	85.20	1,533.60
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	18	92.30	1,661.40
9	Suspension Clamp with EYE hook for ABC	No	21	482.80	10,138.80
10	4C×70 mm ² (P)+1CX70 mm ² (M)+1CX16 mm ² (Street Light)(Street Light) (LT AB Cable)	Mtr	315	283.91	89,431.65

11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	11	113.08	1,243.88
12	Pipe Earthing (each 5th pole to earth)	No	2	1,491.00	2,982.00
13	Coil Earthing	No	7	235.72	1,650.04
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	2.4	106.50	255.60
15	Danger plate (LT)	Kg	9	113.60	1,022.40
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	2.71	106.50	288.62
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	27	113.60	3,067.20
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	10.83	106.50	1,153.40
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	4.5	110.76	498.42
20	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr.	18	216.00	3,888.00
21	Black paint (GIS Numbering & Zebra stripping)	Ltr	9	312.40	2,811.60
A	TOTAL MATERIAL COST				190,979.40
B	Stock, Storage & Insurance @ 3% of A				5,729.38
C	Sub Total (C=A+B)				196,708.78
D	Contingency @3% of C				5,901.26
E	T & P 2% of C				3,461.96
F	Transportation @ 7.5% of C				14,753.16
G	Erection Charges for PSC Pole @ 20%				7,898.04
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				13,361.22
J	Sub Total Rs.				242,084.42
Civil and Services Works (As per Technical Specification)					
22	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	9	2,301.53	20,713.77
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	3.38	6,648.85	22,439.87
24	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	2	3,784.73	7,569.46
K	Total Services Cost				50,723.10
	Total Material + Services Cost (J+K)				292,807.52

V	LT Line using 4C×50 mm ² (P)+1CX50 mm ² (M)+1CX16 mm ² (Street Light) (LT AB Cable)- -0.525 Km				
1	9 Mtr Long 300 KG PSC Pole	No	15	4,260.00	63,900.00
2	LT Stay set Complete	Set	9	738.40	6,645.60
3	7/12 SWG GI stay wire, Grade -2	Kg	108	106.50	11,502.00
4	LT stay Clamp (1.40Kg/pair)	Pair	9	156.20	1,405.80
5	LT Stay insulator	No	9	42.60	383.40
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	39	284.00	11,076.00
7	EYE hook for XLPE Aerial bunched Cable	No	18	85.20	1,533.60
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	18	92.30	1,661.40
9	Suspension Clamp with EYE hook for ABC	No	21	482.80	10,138.80
10	4C×50 mm ² (P)+1CX50 mm ² (M)+1CX16 mm ² (Street Light) (LT AB Cable)	Mtr	525	206.22	108,265.50
11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	18	113.08	2,035.44
12	Pipe Earthing (each 5th pole to earth)	No	3	1,491.00	4,473.00
13	Coil Earthing	No	12	235.72	2,828.64
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	3.93	106.50	418.55
15	Danger plate (LT)	Kg	15	113.60	1,704.00
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	4.51	106.50	480.32
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	45	113.60	5,112.00
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	18.05	106.50	1,922.33
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	7.5	110.76	830.70
20	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr.	30	216.00	6,480.00
21	Black paint (GIS Numbering & Zebra stripping)	Ltr	15	312.40	4,686.00
A	TOTAL MATERIAL COST				247,483.07
B	Stock, Storage & Insurance @ 3% of A				7,424.49
C	Sub Total (C=A+B)				254,907.56
D	Contingency @3% of C				7,647.23
E	T & P 2% of C				4,595.00
F	Transportation @ 7.5% of C				19,118.07
G	Erection Charges for PSC Pole @ 20%				13,163.40
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				16,394.85
J	Sub Total Rs.				315,826.10
Civil and Services Works (As per Technical Specification)					

22	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	9	2,301.53	20,713.77
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	5.63	6,648.85	37,399.78
24	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	3	3,784.73	11,354.19
K	Total Services Cost				69,467.74
	Total Material + Services Cost (J+K)				385,293.84
	Sub Total Rs.				3,290,671.27
	Cess @1%				32,906.71
	Total Estimated Cost				3,323,577.98
	Total Estimated Cost in Figures				3,323,578.00
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)**