

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 CHC BUILDING AT BHAPUR IN THE DISTRICT OF NAYAGARH.

BID REF NO :- 72/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.
	PART-A				
I	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.36 Km.				
1	9 Mtr Long 300 kg psc Pole	No	12	4,260.00	51,120.00
2	LT stay set complete	Set	5	738.40	3,692.00
3	7/12 SWG GI stay wire, Grade-2	Kg	60	106.50	6,390.00
4	LT stay clamp	Pair	5	156.20	781.00
5	LT stay set Insulator	No	5	42.60	213.00
6	LT Accessories with Eye Hook and Clamp				
7	Pole Clamp for Eye Hook for XLPE Areial bunched cable	Pair	13	284.00	3,692.00
8	Eye Hook for XLPE Areial Bunched Cable	No	13	85.20	1,107.60
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	6	92.30	553.80
10	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	8	482.80	3,862.40
11	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	378	206.22	77,951.16
12	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	13	113.08	1,470.04
13	GI Pipe for earthing (each 5th pole to earth)	EA	2	1,491.00	2,982.00
14	Coil Earthing	No	10	235.72	2,357.20
15	No-8 GI wire (Dia-4.6mm)	Kg	3.144	106.50	334.84
16	Danger plate (LT)	No	12	113.60	1,363.20
17	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	3.61	106.50	384.47
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	36	113.60	4,089.60

19	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	14.44	106.50	1,537.86
20	GI Nut, Bolt & washers of different sizes	Kg	6	110.76	664.56
21	Yellow colour paint for Background	Ltr	24	216.00	5,184.00
22	Black paint	Ltr	12	312.40	3,748.80
A	TOTAL MATERIAL COST			173,479.52	
B	Stock, Storage & Insurance @ 3% of A			5,204.39	
C	Sub Total (C=A+B)			178,683.91	
D	Contingency @3% of C			5,360.52	
E	T & P 2% of C			3,284.09	
F	Transportation @ 7.5% of C			13,401.29	
G	Erection Charges for PSC Pole @ 20%			10,530.00	
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%			11,155.06	
J	Sub Total Rs.			222,414.87	

Civil and Services Works (As per Technical Specification)

23	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	5	2,301.53	11,507.65
24	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cu.Mtr	4.5	6,648.85	29,919.83
25	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 Services Cost			48,996.94	
	Total Material + Services Cost (J+K)			271,411.80	
II	DISMANTLING CHARGES				
1	Dismantling of 9/8 Mtr. PSC Pole	Nos.	8	920.61	7,364.88
2	Dismantling of various size LT AB cable	Mtr.	200	23.02	4,604.00
					11,968.88
	Total Rs.(PART-A)				283,380.68

	PART-B				
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB(GI) 160x152 mm (11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	36,804.27	36,804.27
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	106.50	4,887.07
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	106.50	1,126.00
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.7014	106.50	1,246.20
5	Danger plate	No	1	113.60	113.60
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	0.3009	106.50	32.05
7	GI barbed wire/Anticlimbing device	No	3	113.60	340.80
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	1.2036	106.50	128.18
9	11 KV pin insulator polymer	Set	5	284.00	1,420.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	9	497.00	4,473.00
11	Disc insulator (B&S) 70 KN polymer	No.	9	1,633.00	14,697.00
12	Earthing of Support (Coil Type)	No	1	235.72	235.72
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	106.50	27.90
14	Non metallic ties -11 KV 55 sq. mm AAAC	No	5	251.00	1,255.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	3	550.00	1,650.00
16	Wedge connector for 55 sq. mm conductor	No	6	100.00	600.00
17	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	2	332.00	664.00
18	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	177.50	355.00
19	H.T. Stay set (Complete)	SET	2	1,491.00	2,982.00
20	H.T. Stay Insulator Type-C	EA	2	71.00	142.00
21	7/10 SWG Stay Wire 15kg /stay	KG	30	106.50	3,195.00
22	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	110.76	823.28
23	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	216.00	432.00
24	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	312.40	156.20
A				A. Sub total	77,786.28
B				B. Stock, Storage & Insurance @ 3% of A	2,333.59
C				Sub Total (C=A+B)	80,119.87
D				T&P @ 2% of C	1,464.92
E				Contingency @ 3% of C	2,403.60
F				Transportation @ 7.5% of C	6,008.99

		Erection Charges @ 5% on poles			1,895.42
G	Erection Charges @ 10%			3,533.73	
H				Total	95,426.52
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	2	2,301.53	4,603.06
26	Concreting ratio 1:1.5:3(M-20 Grade) (500mmX500mmX1800mm) = 0.45Cu.mtr(Per Pole)	Cum	0.45	6,648.85	2,991.98
27	Coupling ratio 1:1.5:3(M-20 Grade) with dimension (500X500X450)= 0.1125 Cu mtr(Per Pole)	Cum	0.1125	6,648.85	748.00
	Total Material + Services Cost (J+K)				103,769.56
B	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	36,804.27	36,804.27
2	11 KV V cross arm	No	1	1,150.20	1,150.20
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	213.00	213.00
4	Danger plate	No	1	113.60	113.60
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	0.3	106.50	31.95
6	GI barbed wire/Anticlimbing device	No	3	113.60	340.80
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	1.2	106.50	127.80
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	284.00	852.00
9	Earthing of Support (Coil Type)	No	1	235.72	235.72
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.26	106.50	27.69
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	1.45	110.76	160.60
12	55 sq. mm AAAC XLPE covered conductor	Mtr.	77.25	99.74	7,704.92

13	Yellow colour paint for Background	Ltr	2	216.00	432.00
14	Black colour paint for numbering	Ltr	1	312.40	312.40
15	Non metallic ties -11 KV 55 sq. mm AAAC	No	3	251.00	753.00
16	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	2	332.00	664.00
A	A. Sub total			49,923.95	
B	B. Stock, Storage & Insurance @ 3% of A			1,497.72	
C	Sub Total (C=A+B)			51,421.67	
D	T&P @ 2% of C			1,028.45	
E	Contingency @ 3% of C			1,542.65	
F	Transportation @ 7.5% of C			3,856.62	
	Erection Charges @ 5% on poles			1,895.42	
G	Erection Charges @ 10%			1,351.40	
H				Total	61,096.21
17	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.45	6,648.85	2,991.98
18	Coupling Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6,648.85	748.00
	Total Material + Services Cost (J+K)			64,836.19	
II	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	36,804.27	73,608.54
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	106.50	6,108.84
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	106.50	422.27
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	106.50	4,562.46
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	106.50	6,108.84
6	HG/DO Fuse mounting channel(GI)75x40x4.8 mm ,7.14 Kg/Mtr., 2 Nos.	KG	42.84	106.50	4,562.46
7	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	106.50	1,231.89
8	Angle(GI) for Cantilever arrrangement for HT MU 50 x 50 x 6 - 1282 mm.each 2 nos.(4.5 K.g. per mtr.)	KG	11.538	106.50	1,228.80
9	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	106.50	1,425.40

10	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	106.50	608.33
11	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	106.50	4,562.46
12	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	106.50	3,366.25
13	Danger Plate, 2 no's.	No	2	113.60	227.20
14	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	106.50	64.09
15	55 sq. mm AAAC XLPE covered conductor	Mtr.	15	99.74	1,496.10
16	H.T. Stay clamp, 50x8 mm. Flat(GI), 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	EA	2	177.50	355.00
17	H.T. Stay set (Complete)	SET	2	1,491.00	2,982.00
18	H.T. Stay Insulator Type-C	EA	2	71.00	142.00
19	7/10 SWG Stay Wire 15kg /stay	KG	30	106.50	3,195.00
20	Gi Pipe Earthing 40mm. 3 Mtr. Long	No	2	1,491.00	2,982.00
21	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	106.50	5,152.47
22	GI barbed wire antclimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	KG	6	113.60	681.60
23	Back Clamp for antclimbing device 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	2.407	106.50	256.35
24	Lightning Arrester(12KV,10KA) (Station Class,class-2)	No.	3	5,041.00	15,123.00
25	AB Switch (11KV,200A.3pole,50Hz)	SET	1	10,437.00	10,437.00
26	11 KV pin insulator polymer	EA	3	284.00	852.00
27	H W fitting(B&S) 70KN, 3Bolt	EA	6	497.00	2,982.00
28	Disc insulator (B&S) 70 KN polymer	EA	6	1,633.00	9,798.00
29	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
30	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with AB Switch)	KG	13.718	110.76	1,519.41
31	Polycarbonate Bird Guard	EA	9	29.40	264.60
32	Black Paint(GIS Numbering & Zebra Stripping)	L	1	312.40	312.40
33	Yellow Colour Paint(GIS Numbering & Zebra Stripping) for Background	L	2	216.00	432.00
34	DO Fuse(11 KV, 200 A, 3 POLE)	Set	1	3,214.41	3,214.41
35	20 Amp Fuse Link	No.	3	40.00	120.00
A	A. Sub total				170,985.15
B	B. Stock, Storage & Insurance @ 3% of A				5,129.55
C	Sub Total (C=A+B)				176,114.71
D	T&P @ 2% of C				3,323.38
E	Contingency @ 3% of C				5,283.44

F	Transportation @ 7.5% of C			13,208.60	
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%			3,790.84	
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials			9,035.22	
J				Total 210,756.19	
36	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
37	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
38	Coupling 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
39	Construction Earthing chamber including installation of earthing pipe.Making earthing chamber including excavation , soil treatment with bentonide powder , calculation of earth resistance, including Installation of 3Mtr GI Pipe 40mm/50mm including welding of Flat(GI) around pipe .	EA	2	3,784.73	7,569.46
40	Supply and Erection of GI Fencing with Gate	M2	20	3,682.44	73,648.80
					93,301.28
				Sub total Rs	304,057.47
III	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	106.50	6,691.61
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	15.36	106.50	1,635.84
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	3.28	106.50	348.79
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	193.12	772.48
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1,491.00	2,982.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	106.50	5,378.68

A	TOTAL MATERIAL COST (FOR-2020-21)			17,809.39
B	Stock, Storage & Insurance @ 3% of A			534.28
C	Sub Total (C=A+B)			18,343.67
D	Contingency @3% of C			550.31
E	T & P 2% of C			305.45
F	Transportation @ 7.5% of C			1,375.78
G	Erection Charges for PSC Pole @ 20%			
H	Erection Charges of DTR and Joist Poles @ 5%			
I	Erection Charges of other @ 10%			1,527.22
J	Sub Total Rs.			22,102.43
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
	Total Rs.			29,671.89
IV	INSTALLATION OF 250 KVA S/S.			
1	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
2	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
3	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619,789.27
4	LT Distribution Box with MCCB, Aluminum Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	68,160.00
5	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74
6	1Cx400 sq. mm LT XLPE cable	Mtr	120	363.08
7	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
8	LT Cable Supporting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Kg	36	106.50
9	Wedge connector for 55 sq. mm conductor	Nos.	6	100.00
10	Polycarbonate Bird Guard	No	6	29.40
11	11 KV LA (12KV,10 KA)station class-2	No	3	5,041.00
12	11 KV Pin Insulator polymer type	No	3	284.00
13	GI Pipe for earthing 40mm dia 3mtr long	No	5	149100%
				745500%

14	GI Nut, Bolt & washers of different sizes	Kg	25	11076%	276900%
15	GI barbed wire/Anticlimbing device	No	6	11360%	68160%
16	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	10650%	25637%
17	Danger plate	Kg	2	11360%	22720%
18	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	10650%	6409%
19	Name Plate	No	1	11360%	11360%
Structure Numbering and marking					
20	Yellow colour paint for Background	Ltr	2	21600%	43200%
21	Black colour paint for numbering	Ltr	1.00	312.40	312.40
A					A. Sub total
B					23,835.74
C					Sub Total (C=A+B)
D					15,316.12
E					Contingency @ 3% of C
F					Transportation @ 7.5% of C
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				31,919.15
H					Erection Charges @ 20% on PSC Poles
I					12,742.30
J					Total
22	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
23	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	5	3,784.73	18,923.65
24	LT DB Plinth	No	1	6,000.00	6,000.00
25	DTR Plinth upto 1000 KVA	No	1	28,000.00	28,000.00
26	Supply and Erection of GI fencing with Gate	Sq. Mtr.	18	3,682.44	66,283.92
27	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
28	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

29	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
					140,136.79
	Sub total Rs			1,104,402.77	

IV-Construction of 11 kv line using 3Cx95 sq. mm XLPE U/G cable of Length 20 Mtr with RMU.

Supply Portion

1	Supply of materials for 11kV, 3Core, 95sqmm, XLPE insulation armoured UG cable with accessories				
a	Length of 11kV 3C, 95sqmm cable (open trench)	Mtr.	20		
1.1	Supply of 11kV, 3Core, 95sqmm, XLPE insulation armoured UG cable (SC rating of cable in kA- 9kA and SC rating of Armour in kA- 9kA)	Mtr.	40.00	911.86	36,474.40
1.2	Supply of Indoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95 sqmm, HT UG cable for 3Core (Set)	Set	2	10,090.52	20,181.04
1.3	Supply of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95 sqmm, HT UG cable for 3Core (Set)	Set	2	15,547.58	31,095.16
1.4	Supply of HDPE PE 80-PN8 pipe of 160 mm diameter (for 95 sqmm HT cable laying)	Mtr.	24.00	613.86	14,732.64
2.1	Supply of 11KV RMU 1 Way, 630A single Breaker panel	Nos.	1	370,521.90	370,521.90
3	Earthing				
3.1	Earthing Conductor: 50X6 mm (2.4kg./mtr.) GI Flat for equipment, structure etc.)	kg	7.20	106.50	766.80
3.2	Pipe Earthing 40mm. GI Pipe	Nos.	2	1,491.00	2,982.00
	Sub Total (Supply Portion) (in Rs.)				476,753.94

Erection Portion

Sl. No.	Description of items	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method and HDD method				
1.1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method.	Mtr.	40.00	100.17	4,006.80

1.3	Erection of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95sqmm, aluminium UG cable kits for 3core (set)	Set	4	1,944.33	7,777.32
1.4	Laying of 160 mm dia PE 80-PN8, HDPE pipe inside open trench.	Mtr.	24.00	306.87	7,364.88
2.1	Erection of 11 KV RMU 1 way 630 A single breaker panel	No.	1	14,475.00	14,475.00
Sub Total (Erection Portion) (in Rs.)					33,624.00

Civil Portion

Sl. No.	Description of items	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
1	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(1 Mtr. Wx1 Mtr. D)	cum	8.4	716.03	6,014.65
2.2	Earth work excavation of Hard rock(1.6 Mtr. Wx1.775 Mtr. D)	Cum	3.6	1,759.39	6,333.80
2.3	Back filling with excavated soil outside and above the trench	Cum	12	204.58	2,454.96
2.4	Damage of asphalt/tar road and other utilities and reconstructing to bring it to its original shape after laying of cable in open trench(1 mtr. Width)	Km	0.012	3,874,084.29	46,489.01
3	Civil works for Prefabricated RCC foundation with supply of all materials				
3.1	Prefabricated RCC foundation of 11 KV RMU	EA	1	26,000.00	26,000.00
3.3	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	2	3,784.73	7,569.46
3.4	Supply and Erection of Cable Route Marker along the cable route at an interval of 30mtrs with civil works	Nos.	1	1,035.17	1,035.17
3.5	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr.	16	1,496.91	23,950.56
Sub Total (Civil Portion) (in Rs.)					119,847.62
A	Sub Total (Supply Portion)				476,753.94
B	Stock, Storage & Insurance @ 3 % of A				14,302.62
C	Sub Total (A+B)				491,056.56
D	Contingency @ 3 % of C				14,731.70
E	Tools & Plants Charges @ 2% of C (considered for earthing items)				15.80
F	Transportation @ 7.5% of C				36,829.24
G	Erection Charges @ 10% of earthing items				78.98

H	Total (C+D+E+F+G)	542,712.28
I	Sub Total (Erection Portion + Civil Portion)	153,471.62
J	Total Cost (H+I)	696,183.89

V-Construction of 11 KV line using 3Cx95 sq. mm XLPE U/G cable of Length 20 Mtr .

Supply Portion

1	Supply of materials for 11kV, 3Core, 95sqmm, XLPE insulation armoured UG cable with accessories				
a	Length of 11kV 3C, 95sqmm cable (open trench)	Mtr.	20		
1.1	Supply of 11kV, 3Core, 95sqmm, XLPE insulation armoured UG cable (SC rating of cable in kA- 9kA and SC rating of Armour in kA- 9kA)	Mtr.	40.00	911.86	36,474.40
1.2	Supply of Indoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95 sqmm, HT UG cable for 3Core (Set)	Set	2	10,090.52	20,181.04
1.3	Supply of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95 sqmm, HT UG cable for 3Core (Set)	Set	2	15,547.58	31,095.16
1.4	Supply of HDPE PE 80-PN8 pipe of 160 mm diameter (for 95 sqmm HT cable laying)	Mtr.	24.00	613.86	14,732.64
	Sub Total (Supply Portion) (in Rs.)				102,483.24

Erection Portion

Sl. No.	Description of items	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method and HDD method				
1.1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method.	Mtr.	40.00	100.17	4,006.80
1.3	Erection of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95sqmm, aluminium UG cable kits for 3core (set)	Set	4	1,944.33	7,777.32
1.4	Laying of 160 mm dia PE 80-PN8, HDPE pipe inside open trench.	Mtr.	24.00	306.87	7,364.88
	Sub Total (Erection Portion) (in Rs.)				19,149.00

Civil Portion

Sl. No.	Description of items	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)

3.4	Supply and Erection of Cable Route Marker along the cable route at an interval of 30mtrs with civil works	Nos.	1	1,035.17	1,035.17			
3.5	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr.	16	1,496.91	23,950.56			
Sub Total (Civil Portion) (in Rs.)					24,985.73			
A	Sub Total (Supply Portion)							
B	Stock, Storage & Insurance @ 3 % of A							
C	Sub Total (A+B)							
D	Contingency @ 3 % of C							
E	Tools & Plants Charges @ 2% of C (considered for earthing items)							
F	Transportation @ 7.5% of C							
G	Erection Charges @ 10% of earthing items							
H	Total (C+D+E+F+G)							
I	Sub Total (Erection Portion + Civil Portion)							
J	Total Cost (H+I)							
Total Rs.(PART-B)					2,463,697.80			
Sub Total Rs.(PART-A+PART-B)					2,747,078.49			
Cess @1%					27,470.78			
Total Estimated Cost					2,774,549.27			
Total Estimated Cost in Figures					2,774,549.00			
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)		In Figure _____ %					
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/-
Project Manager (Elect)

Sd/-
Dy. Manager (Elect)