

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
<b>CAPITAL WORKS</b>			
<b>01</b>	<b>33/11/ kV New S/S (Supply, erection, testing &amp; commissioning)</b>		
0101	1 x 5 MVA S/S	191.663	150.472
0102	1 x 10 MVA S/S	221.359	173.800
0103	2 x 5 MVA S/S	287.160	225.484
0104	2 x 10 MVA S/S	345.901	271.629
0105	1 X 5 MVA & 1 x 10 MVA S/S	319.486	250.878
<b>01A</b>	<b>33/11/ kV New S/S (Supply, erection, testing &amp; commissioning)with RSJ structure</b>		
0101A	1 x 5 MVA S/S	191.610	150.430
0102A	1 x 10 MVA S/S	221.373	173.811
0103A	2 x 5 MVA S/S	287.895	226.062
0104A	2 x 10 MVA S/S	346.771	272.313
0105A	1 X 5 MVA & 1 x 10 MVA S/S	320.639	251.784
<b>01B</b>	<b>33/22 kV New S/S Outdoor (Supply, erection, testing &amp; commissioning)</b>		
0101B	1 x 5 MVA S/S	211.459	166.023
0102B	1 x 10 MVA S/S	239.610	188.138
0103B	2 x 5 MVA S/S	316.810	248.776
0104B	2 x 10 MVA S/S	373.460	293.279
<b>01C</b>	<b>33/11 kV New S/S with 33 kV Outdoor &amp; 11 kV Indoor (Supply, erection, testing &amp; commissioning)</b>		
0101C	1 x 5 MVA S/S	180.006	141.341
0102C	1 x 10 MVA S/S	209.014	164.129
0103C	2 x 5 MVA S/S	276.529	217.166
0104C	2 x 10 MVA S/S	331.085	260.023
<b>01D</b>	<b>33/11 kV New S/S with 33 kV Outdoor &amp; 11 kV Indoor (Supply, erection, testing &amp; commissioning) with RSJ Structure</b>		
0101D	1 x 5 MVA S/S	180.713	141.896
0102D	1 x 10 MVA S/S	207.831	163.200
0103D	2 x 5 MVA S/S	276.828	217.401
0104D	2 x 10 MVA S/S	331.384	260.259

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<b>02</b>	<b>33/11 kV Augmentation (Supply, erection, testing &amp; commissioning)</b>		
0201	3.15 MVA to 5 MVA	48.374	38.001
0202	5 MVA to 10 MVA	102.489	80.513
0203	3.15 MVA to 10 MVA	117.451	92.259
0204	3.15 MVA to 5 MVA (If switch gears not available)	64.389	50.583
0205	33 / 11 KV Augmentation from 3.15 to 5 MVA ( 2 Nos.) at Sub-station (Out Door )	152.699	119.949
0206	2 X 5 MVA to 2 X 10 MVA	203.825	160.120
<b>03</b>	<b>33/11 kV Additional Power Transformer (Supply, erection, testing &amp; commissioning)</b>		
0301	1 x 5 MVA Power Transformer	95.674	75.151
0302	1 x 10 MVA Power Transformer	126.039	99.005
<b>03A</b>	<b>33/11 kV Additional Power Transformer (Supply, erection, testing &amp; commissioning)with Gantry structure for 33 KV bus.</b>		
0301A	1 x 5 MVA Power Transformer	98.320	77.230
0302A	1 x 10 MVA Power Transformer	128.064	100.596
<b>03B</b>	<b>33/11 kV Additional Power Transformer with 33 kV Outdoor &amp; 11 kV Indoor (Supply, erection, testing &amp; commissioning) without Gantry Structure</b>		
0301B	1 x 5 MVA Power Transformer	111.589	87.654
0302B	1 x 10 MVA Power Transformer	138.321	108.653
<b>03C</b>	<b>33/22 kV Additional Power Transformer (Supply, erection, testing &amp; commissioning)</b>		
0301C	1 x 5 MVA Power Transformer	104.292	81.922
0302C	1 x 10 MVA Power Transformer	132.545	104.117
<b>04</b>	<b>22/11 kV Substation (Supply, erection, testing &amp; commissioning)</b>		
0401	1 x 5 MVA ,Outdoor S/S	195.765	153.694
0402	1 x 10 MVA ,Outdoor S/S	221.604	173.993
0403	2 x 5 MVA ,Outdoor S/S	299.183	234.929
0404	2 x 10 MVA ,Outdoor S/S	345.448	271.274
0405	1x 5 MVA and 1x10 MVA,Outdoor S/S.	334.149	262.397

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<b>04A</b>	<b>22/11 kV Substation (Supply, erection, testing &amp; commissioning)with RSJ pole structure</b>		
0401A	1 x 5 MVA ,Outdoor S/S	195.934	153.827
0402A	1 x 10 MVA ,Outdoor S/S	221.785	174.135
0403A	2 x 5 MVA ,Outdoor S/S	299.276	235.002
0404A	2 x 10 MVA ,Outdoor S/S (Supply, erection, testing & commissioning)with RSJ pole structure	347.861	273.169
0405A	1x 5 MVA and 1x10 MVA,Outdoor S/S.	326.925	256.722
<b>04B</b>	<b>22/11 kV Substation - Indoor (Supply, erection, testing &amp; commissioning)</b>		
0402B	1 x 10 MVA ,Indoor S/S	232.264	182.393
<b>04C</b>	<b>22/11 kV Substation - 22kV Outdoor &amp; 11kV Indoor (Supply, erection, testing &amp; commissioning)</b>		
0403C	2 x 5 MVA	305.527	239.945
<b>05</b>	<b>Switching Station (Outdoor) (Supply, erection, testing &amp; commissioning)</b>		
0501	22 kV switching station	252.827	198.524
0502	11 kV switching station	198.983	156.225
<b>06</b>	<b>Feeder Bay (Supply, erection, testing &amp; commissioning)</b>		
0601	33 kV feeder bay	12.888	10.125
0602	22 kV feeder bay	12.255	9.627
0603	11 kV feeder bay	9.528	7.485
<b>06A</b>	<b>Feeder Bay without Gantry Structure (Supply, erection, testing &amp; commissioning)</b>		
0601A	33 kV feeder bay without Gantry Structure	11.678	9.174
0602A	22 kV feeder bay without Gantry Structure	11.126	8.741
0603A	11 kV feeder bay without Gantry Structure	8.399	6.598
<b>06B</b>	<b>Feeder Bay with Gantry Structure &amp; PT (Supply, erection, testing &amp; commissioning)</b>		
0601B	33 kV feeder bay with Gantry Structure & PT	14.858	11.672
0602B	22 kV feeder bay with Gantry Structure & PT	13.118	10.305
0603B	11 kV feeder bay with Gantry Structure & PT	10.287	8.081

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<b>06C</b>	<b>Feeder Bay without main bus bar extension (Supply, erection, testing &amp; commissioning)</b>		
0601D	11 kV Feeder bay with take off structure & bus bar	10.446	8.206
<b>07</b>	<b>33 kV line (Supply, erection, testing &amp; commissioning)</b>		
0701	Suspension type with 100 Sq. mm AAAC conductor on 152 X 152 mm 12 mtr RSJ	12.255	9.649
0702	Suspension type with 100 Sq. mm AAAC conductor on 152 X 152 mm 13 mtr RSJ	12.760	10.047
0703	Pin type with 100 Sq. mm AAAC conductor on 152 X 152 mm 11 mtr RSJ poles	11.535	9.083
0704	Pin type with 100 Sq. mm AAAC conductor on 100 X 116 mm 10 mtr RSJ poles	9.364	7.374
0706	Express/Highway Crossing with 100 sqmm conductor on 152 X 152 SJ 13 mtr Poles for One span of 30 mtr.	2.534	1.995
0707	Road crossing with 100sqmm conductor on 100 X 116mm,10 mtr RSJ Poles	1.694	1.334
0708	33kV, 3 core X 300 sqmm XLPE Underground Cable	35.158	27.684
0709	33kV, 3 core X 300 sqmm XLPE Underground Cable for Railway line crossing for 60 mtr span with isolator on DP structure with both side isolator.	12.250	9.646
0710	33kV, RIVER Crossing with 100sqmm conductor on 152 X 152 RSJ 13 mtr H Poles for one span of 30 mtr.	2.579	2.030
0711	Douple pole structure(cut point) of- 33 kv line using13 m long RSJ pole	1.306	1.028
0712	Douple pole structure (cut point) of- 33 kv line using 11 m long RSJpole 152 x 152	1.190	0.937
0713	Douple pole structure(cut point) of- 33 kv line using 11 m long RSJpole 116 x100	0.949	0.747
0714	Single pole cut point structure for 33kv line on RSJ13 m pole	1.116	0.878
0715	Single pole cut point structure for 33kv line on RSJ 11 m pole	1.000	0.787
0718	33kV, Pin type with 100 Sq. mm AAAC lines on 100 X 116 mm 11 mtr RSJ poles, single circuit	9.704	7.641
0720	33 kV, Pin Type with 100 sqmm AAAC Conductor on 152X152, 13 mtr RSJ Pole	10.754	8.468
0721	33 kV, Tapping Structure using 100X116, 11 mtr RSJ Pole	2.573	2.026
0725	33kV, Express/Highway Crossing with 232 sqmm AAAC conductor on 152X152, 13 mtr RSJ Poles	2.802	2.206
0726	33kV, Road Crossing with 232 sqmm AAAC conductor on 152X152, 13 mtr RSJ Poles	2.456	1.934

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<b>08</b>	<b>22 kV Line (Supply, erection, testing &amp; commissioning)</b>		
0801	22kV, Pin type ACSR Weasel Conductor on 11 mtr long RSJ Poles	7.039	5.543
0804	22kV, Pin type with 100 Sq. mm AAAC conductor on 152 X 152 mm 11 mtr RSJ poles	12.377	9.746
0805	22kV, Pin type with 100 Sq. mm AAAC conductor 100 X 116 mm 10 mtr RSJ poles	13.394	10.547
0806	22 KV Single circuit Pin type with 100sq.mm AAAC lines on 152x152 mm 11 mtr RSJ poles	11.808	9.297
0807	Suspention type with 100 Sq.mm AAAC lines on 152 x 152 mm 11 mtr. RSJ	9.416	7.415
0808	22 kV Single Circuit pin type with AAAC 34 mm <sup>2</sup> on 9 mtr PSC 200 kg poles	3.962	3.120
0809	22kV, Express/Highway Crossing with AAAC 100 sqmm conductor on 152 X 152 RSJ 13 mtr Poles	2.493	1.963
0810	22kV, Road crossing with AAAC 100 sqmm conductor on 100 X 116mm, 10 mtr RSJ Poles	1.696	1.336
0811	22kv, 3 core X 95 sqmm XLPE Underground Cable	18.383	14.475
0813	22kv, 3 core X 300 sqmm XLPE Underground Cable	29.892	23.537
0814	3 core X 300 sqmm XLPE Underground Cable for Railway line crossing as per Sketch	10.050	7.913
0815	22kv, RIVER Crossing with 100sqmm conductor on 152 X 152 RSJ 13 mtr H Poles	2.493	1.963
0816	Douple pole structure(cut point) of- 22 kv line using 13 m long RSJ pole	1.256	0.989
0817	Douple pole structure(cut point) of- 22 kv line using 11 m long RSJ pole	1.141	0.898
0818	Single pole cut point structure for 22kv line on RSJ 11 m pole	0.899	0.708
0819	Single pole cut point structure for 22kv line on RSJ 9 m pole	0.498	0.392
0820	Single pole cut point structure for 22kv line on PSC 11 m pole	0.655	0.515
0821	22 kV, Single Circuit, Pin Type, Weasel on PSC Pole	0.376	0.296
0822	22 kV, Single Circuit, Suspension Type, 232 sqmm AAAC on 152X152, 13 mtr RSJ Pole	17.796	14.013
0823	22 kV, Single Circuit, Pin Type, 232 sqmm AAAC on 152X152, 13 mtr RSJ Pole	17.450	13.741
0824	22kv, Express/Highway Crossing with 232 sqmm AAAC Conductor on 152X152, 13 mtr RSJ Pole	2.717	2.139
0825	22kv, Road Crossing with 232 sqmm AAAC Conductor on 152X152, 13 mtr RSJ Pole	2.705	2.130
0826	22 kV HT Feeder Pillar	1.363	1.073



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0827	HT Jointing Chamber (Civil)	0.020	0.016
0830	22kv, Pin Type, 55 sqmm, 100X116, 9 mtr RSJ Pole	6.973	5.491
0831	22kv, Pin Type, 55 sqmm, 100X116, 11 mtr RSJ Pole	7.581	5.970
0832	22kv, Pin Type, ACSR Weasel conductor, 100X116, 9 mtr RSJ Pole	6.421	5.056

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<b>09</b>	<b>11 kV line (Supply, erection, testing &amp; commissioning)</b>		
0901	11kV, Pin type ACSR Weasel Conductor & 200 Kg PSC Poles	3.068	2.416
0903	11kV, Pin type with ACSR Weasel conductor on RSJ Pole.	7.039	5.542
0905	11kV, Pin type with 100 Sq. mm AAAC lines on 152 X 152 mm 11 mtr RSJ poles	11.307	8.903
0906	11kV, Pin type with 100 Sq. mm AAAC lines on 100 X 116 mm 10 mtr RSJ poles	9.028	7.109
0907	11kV, Pin type with 55 Sq. mm AAAC conductor on 100 X 116 mm 9 mtr RSJ poles	7.039	5.542
0908	11kV, Pin type with 55 Sq. mm AAAC conductor on 9 mtr PSC poles	4.725	3.721
0909	11kV, Susension type with 100 Sq. mm AAAC lines on 100 X 116 mm 11 mtr RSJ poles	9.871	7.773
0910	11kV, Suspension type with 55 Sq. mm AAAC conductor on 100 X 116 mm 11 mtr RSJ poles	8.284	6.523
0911	11kV, Express/Highway Crossing with 55 sqmm AAAC conductor on 100X116MM, 11 mtr RSJ Poles DP with one span of 30 mtr.	1.531	1.205
0912	11kV, Express/Highway Crossing with 100 sqmm AAAC conductor on 152X152MM, 13 mtr RSJ Poles DP with one span of 30 mtr.	2.421	1.907
0913	11kV, 3 core X 300 sqmm XLPE Underground Cable	24.017	18.911
0915	11kV, 3 core X 185 sqmm XLPE Underground Cable	18.255	14.374
0916	11kV, 3 core X 95 sqmm XLPE Underground Cable	13.580	10.693
0917	Conversion of 11 kV line by 3 core 185 sqmm Cable	18.255	14.374
0918	Conversion of 11 kV line by 3 core 95 sqmm Cable	13.580	10.693
0919	11kV, Major river crossing with 55 sqmm overhead conductor on 152X152MM,13 mtr RSJ pole for one span of 100 mtr.	2.425	1.909
0920	Douple pole structure(cut point) of- 11 kv line using13 m long RSJ pole	1.253	0.986
0921	Douple pole structure(cut point) of- 11 kv line using11 m long RSJ pole	1.137	0.895
0922	DOUPLE POLE STRUCTURE(cut point) OF- 11 KV LINE USING11 M LONG RSJ POLE	0.896	0.705
0923	Single pole cut point structure for 11kv line on RSJ 9 m pole	0.432	0.340
0924	SINGLE POLE CUT POINT STRUCTURE FOR 11KV LINE ON RSJ 11 M POLE	0.589	0.463
0925	SINGLE POLE CUT POINT STRUCTURE FOR 11KV LINE ON PSC 9 M POLE	0.310	0.244

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		<b>Amount</b>	
0929	Pin type with 100 Sq. mm AAAC lines on 100 X 116 mm 11 mtr RSJ poles	9.368	7.376
0933	11 kV, HT Feeder Pillar	1.452	1.170



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		Amount	
<b>10</b>	<b>22 kV /0.4 DTC (Supply, erection, testing &amp; commissioning)</b>		
1001	25 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	2.810	2.212
1002	63 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	4.125	3.248
1004	100 kVA Dist. Transformer centers on RSJ 9 mtr 100x116 poles with MCCB Dist box	5.022	3.955
1005	200 kVA Dist. Transformer centers on 100x116mm, 9 mtr RSJ poles with MCCB Dist box	7.069	5.567
1006	200 kVA Dist. Transformer centers on 100x116mm, 11 mtr RSJ poles with MCCB Dist box	7.144	5.625
1007	315 kVA Dist. Transformer centers with 9 mtr DP & plinth mounted	10.980	8.645
1008	315 kVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	10.622	8.364
1009	630 KVA, Plinth mounted Distribution Transformer Sub-station	15.017	11.824
1010	630 kVA Dist. Transformer centers on RSJ 11 mtr 100x116 mm poles.	14.722	11.593
1015	22/0.4 kV, 63 KVA DTC on RSJ pole 9m, with KitKat DB	4.134	3.255
1016	22/0.4 kV, 100 KVA DTC on RSJ pole 9m, with KitKat DB	4.934	3.885
1017	22/0.4 kV, 100 KVA DTC on RSJ pole 11m, with KitKat DB	5.093	4.010
1018	22 KV SPECIAL DESIGNED TRANSFORMER TO AG. FEEDER	4.559	3.581
<b>11</b>	<b>22 kV /0.4 DTC Aug (Supply, erection, testing &amp; commissioning)</b>		
1101	22kV, 63 KVA to 100 KVA	3.905	3.075
1102	22kV, 100 KVA to 200 KVA	6.032	4.749
1103	22kV, 100 KVA to 315 KVA	9.362	7.372
1104	22kV, 200 KVA to 315 KVA	9.362	7.372
1105	22kV, 200 KVA to 630 KVA	13.575	10.689
1106	22kV, 315 KVA to 630 KVA	14.692	11.569
1107	22kV, 500 KVA to 630 KVA	14.692	11.569
1108	22kV, from 100, 200 & 315 KVA to 630 KVA on plinth	14.252	11.288
1109	22/0.4 kV, 100 KVA to 200 KVA with Kit Kat DB (Rural)	6.008	4.731

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<b>12</b>	<b>11/ 0.4 kV DTC (Supply, erection, testing &amp; commissioning)</b>		
1201	25 kVA Dist. Transformer centers on 9 mtr RSJ poles with MCCB Dist box	2.148	1.692
1202	63 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	2.829	2.227
1203	100 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	3.301	2.599
1204	200 kVA Dist. Transformer centers on 100x116mm, 9 mtr RSJ poles with MCCB Dist box	5.119	4.031
1205	200 kVA Dist. Transformer centers on 100x116mm, 11 mtr RSJ poles with MCCB Dist box	5.188	4.085
1206	315 kVA Dist. Transformer centers on 9 mtr RSJ poles with MCCB Dist box	9.994	7.869
1207	315 kVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	9.991	7.867
1208	630 kVA Dist. Transformer centers with 9 mtr RSJ poles DP & plinth mounted	13.763	10.837
1212	63 KVA Dist. Transformer centers on 9 mtrs 100 X 116 mm RSJ poles with Kit-kat Dist box.	2.807	2.210
1213	100 KVA Dist. Transformer centers on 9 mtrs 100 X 116 mm RSJ poles with Kit-kat Dist box.	3.287	2.589
1214	315 kVA Dist. Transformer centers with 9 mtr DP & plinth mounted	10.038	7.904
1215	63 KVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	2.900	2.284
1216	100 KVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	3.372	2.655
1217	25 KVA DTC on RSJ, 110 X 116, 11 mtr with MCCB DB	2.183	1.719
1218	25 KVA DTC on RSJ, 110 X 116, 9 mtr with Kit Kat DB	1.946	1.532
1219	63 KVA DTC on RSJ, 110 X 116, 11 mtr with Kit Kat DB	2.716	2.138
1220	100 KVA DTC on RSJ, 110 X 116, 11 mtr with Kit Kat DB	3.178	2.503
1221	11/0.4 kV, 1 X 630 KVA Indoor type with RMU with Builtup Room	21.323	17.395
1222	11/0.4 kV, 2 X 630 KVA Indoor type with RMU with Builtup Room	36.560	29.997
1223	11/0.4 kV, 1 X 630 KVA Indoor type with RMU without Room cost - Indoor	18.716	14.788
1224	11/0.4 kV, 2 X 630 KVA Indoor type with RMU without Room cost - Indoor	33.837	26.745

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1225	11/0.4 kV, 2 X 315 KVA Indoor type with RMU without Room	15.675	12.444
1226	11/0.4 kV, 2 X 315 KVA Indoor type with RMU without Room	27.276	21.579
1227	Providing additional 11/0.4 kV, 1 X 315 KVA Transformer in existing substation	15.436	12.205
1228	Providing additional 11/0.4 kV, 1 X 630 KVA Transformer in existing substation	18.716	14.788
1229	Providing additional 11/0.4 kV, 1 X 995 KVA Transformer in existing substation	23.071	18.218
1230	COST DATA FOR 11 KV SPECIAL DESIGNED TRANSFORMER	3.434	2.698

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<b>13</b>	<b>11/ 0.4 kV DTC Augmentation (Supply, erection, testing &amp; commissioning)</b>		
1301	63 kVA to 100 kVA	2.346	1.847
1302	100 kVA to 200 kVA	4.093	3.223
1303	100 KVA to 315 KVA	9.250	7.283
1304	200 KVA to 315 KVA	9.211	7.253
1305	315 KVA to 630 KVA	12.794	10.140
1306	200 kVA to 630 kVA	12.794	10.140
1307	Augmentation of existing DTC to 11/0.4 kV, 100 KVA with Rural KitKat DB	2.710	2.134
1308	Augmentation of existing DTC to 11/0.4 kV, 200 KVA with Rural KitKat DB	4.451	3.505
1309	11/0.4 kV, 315 KVA to 11/0.4 kV, 630 KVA (Indoor)	12.057	9.494
1310	11/0.4 kV, 630 KVA to 11/0.4 kV, 995 KVA (Indoor)	16.412	12.923
<b>14</b>	<b>LT line 3 Ph (Supply, erection, testing &amp; commissioning)</b>		
1401	L.T. LINE 3 ph 4 W. -WIND PRESSURE ZONE - With AAAC 55 sqmm for phase & ACSR Weasel for neutral with PSC Pole 8 Mtr (200 KG)	3.398	2.676
1401A	L.T. LINE 3 ph 4 W. -WIND PRESSURE ZONE - With AAAC 55 sqmm for phase & ACSR Weasel for neutral with PSC Pole 8 Mtr (140 KG)	3.283	2.585
1402	3 phase 4 wire on PSC pole 8 mtr with ACSR Weasel conductor for phase & neutral with 200 Kg	2.591	2.040
1402A	4 phase 4 wire on PSC pole 8 mtr with ACSR Weasel conductor for phase & neutral with 140 Kg	2.499	1.968
1403	3.5 X 70 sqmm XLPE Underground Cable	4.368	3.439
1405	3.5 X 120 sqmm XLPE Underground Cable	6.562	5.167
1406	3.5 X 185 sqmm XLPE Underground Cable	9.417	7.415
1407	3.5 X 300 sqmm XLPE UG Cable	13.356	10.517
1408	3.5 X 240 sqmm XLPE UG Cable	11.668	9.188
1409	3 1/2C X 16 Sq mm Underground LT PVC Armoured Cable	2.097	1.651
1410	3 1/2C X 35 Sq mm Underground LT PVC Armoured Cable	2.758	2.172
1411	3 1/2C X 50 Sq mm Underground LT PVC Armoured Cable	3.350	2.638
1412	3 1/2C X 120 Sq mm Underground LT XLPE Armoured Cable	6.465	5.091
1413	3 1/2C X 70 Sq mm Underground LT XLPE Armoured Cable	4.290	3.378

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1415	2 Core 2.5 mm Underground	1.699	1.338
1416	2 Core 4 mm Underground	2.041	1.607
1417	1.1 KV 2 X 16 sqmm XLPE Underground Cable	1.645	1.295
1418	1.1 KV 4 X 16 sqmm XLPE Underground Cable	2.097	1.651
1420	3 phase 5 wire with AAC AAAC 55 sqmm conductor for phase and ACSR Weasel for neutral using RSJ pole 125 x 75 mm 9 mtr.	4.984	3.925
1423	L.T. LINE 3 ph 4 W. on 125 X 70mm, 9m RSJ pole With AAAC 55 sqmm for phase & ACSR Weasel for neutral	4.418	3.479
1424	L.T. LINE 3 ph 4 W. on 125 X 70mm, 8m RSJ pole With AAAC 55 sqmm for phase & ACSR Weasel for neutral	4.214	3.318
1425	3 phase 5 wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC pole, 8 mtr., 200 Kg	3.863	3.041
1425A	3 phase 5 wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC pole, 8 mtr., 140 Kg	3.748	2.951

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Code No.	Particulars of activity	DPR	2019-20
		Amount	
<b>15</b>	<b>LT line 1 Ph (Supply, erection, testing &amp; commissioning)</b>		
1501	L.T. LINE 1 ph 3 W. -with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (200 KG)	2.486	1.958
1501A	L.T. LINE 1 ph 3 W. -with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (140 KG)	2.360	1.858
1502	L.T. LINE 1 ph 2 W. - with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (200 KG)	2.093	1.648
1502A	L.T. LINE 1 ph 2 W. - with ACSR Weasel for phase & neutral with PSC Pole 8 Mtr (140 KG)	1.966	1.548
1503	1 phase 2 Wire LT line with ACSR Weasel for phase and GNAT for neutral on 125 X 70 mm, RSJ 9 Mtr long Pole	2.668	2.101
1504	1 phase 2 Wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC Pole 8 Mtr (200 KG).	1.945	1.532
1504A	1 phase 2 Wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on PSC Pole 8 Mtr (140 KG).	1.853	1.459
1505	1 phase 2 Wire LT line with AAAC 55 sqmm for phase and ACSR Weasel for neutral on RSJ 125 X 70, 8mtr.	2.698	2.124
<b>16</b>	<b>H.V.D.S. (Supply, erection, testing &amp; commissioning)</b>		
1603	11 KV, 25 kVA Dist. Transformer centers on 9 mtr RSJ poles with MCCB Dist box	2.148	1.692
1605	22 KV Single circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr PSC poles	5.265	4.146
1606	22 kV Single Circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr RSJ poles	8.244	6.491
1607	22 kV Single Circuit pin type with 100 Sq. mm AAAC conductor on 9 mtr RSJ poles	9.721	7.654
1608	11 kV Single Circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr PSC poles	5.145	4.051
1609	11 kV Single Circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr RSJ poles	7.627	6.006
1610	11 kV Single Circuit pin type with 100 Sq. mm AAAC conductor on 9 mtr RSJ poles	8.996	7.084
1611	25 KVA, 11/0.433 KV on 11 Mtr 100x116 mm. RSJ pole	2.220	1.748
<b>17</b>	<b>Capacitor (Supply, erection, testing &amp; commissioning)</b>		

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
1701	Cost data for 11 KV Capacitor Bank at Dist. substation (on Existing pole ).	4.115	3.233
1702	Cost data for 11 KV Capacitor Bank at Dist. substation (on New double pole ).	5.109	4.014
1703	Cost Data for 11 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area	7.899	6.205
1704	Cost Data for 11 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for any area	10.010	7.863
1705	Cost Data for 11 KV Station Type 3.0 MVAR Capacitor Bank with 0.2 % Reactor for Rural area	11.390	8.948
1706	Cost Data for 11 KV Station Type 3.0 MVAR Capacitor Bank with 0.6 % Reactor for Urban area	14.426	11.332
1707	Cost Data for 22 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area	11.997	9.424
1708	Cost Data for 22 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for any area	13.787	10.831
1709	Cost Data for 22 KV Station Type 3.0 MVAR Capacitor Bank with 0.2 % Reactor for Rural area	15.835	12.440
1710	Cost Data for 22 KV Station Type 3.0 MVAR Capacitor Bank with 0.6 % Reactor for Urban area	20.857	16.385

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
<b>20</b>	<b>Other than above</b>		
2001	Supply erection ,testing & Commissioning of LT 6 way F.P.	0.587	0.462
2001A	Supply erection ,testing & Commissioning of LT 8 way F.P.	0.745	0.586
2002	Supply erection ,testing & Commissioning of LT 4 way F.P.	0.478	0.377
2003	Supply erection ,testing & Commissioning of LT Mini F.P.	0.233	0.183
<b>RENOVATION &amp; MODERNIZATION WORK</b>			
<b>51</b>	<b>Upgradation of 33 kV Lines</b>		
5101	Upgrading of 33 kV lines 80 sqmm to 100 sqmm conductor	4.890	3.851
5102	Upgrading of 33 kv lines by AAA 200 sqmm cond	9.303	7.325
5103	Replacement of 33 kV old HT Cable size 3C X 300 sqmm	36.536	28.769
5104	Replacement of old HT jointing kit outdoor 33 kV, 3C X 300 sqmm	0.345	0.272
5105	Replacement of old HT jointing kit Intdoor termination joint 33 kV, 3C X 300 sqmm	0.260	0.205
5106	Replacement of old HT jointing kit Intdoor Straight Through joint 33 kV, 3C X 300 sqmm	0.656	0.517
<b>52</b>	<b>Upgrading of 22 kV lines</b>		
5202	From 80sqmm to 100 sqmm conductor	4.884	3.845
5203	From 0.03 to 55 sqmm conductor	3.423	2.695
5204	From 0.1 to 0.2 sqmm conductor	9.465	7.453
5205	Replacement of 22 kV old HT Cable size 3C X 300 sqmm	30.744	24.208
5206	Replacement of 22 kV old outdoor HT jointing kit for 3C X 300 sqmm	0.253	0.199
5207	Replacement of 22 kV old Indoor HT jointing kit for 3C X 300 sqmm	0.238	0.188
5208	Replacement of old HT jointing kit Intdoor Straight Through joint 22 kV, 3C X 300 sqmm	0.442	0.348
<b>53</b>	<b>Upgrading of 11 kV lines</b>		
5302	11 KV Line with 100 Sqmm conductor	4.386	3.454
5303	11 kv lines with 55 sqmm cond	2.925	2.303
5316	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 95 sqmm	13.722	10.805
5317	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 120 sqmm	18.177	14.313



### Cost Data 2019-20

Code No.	Particulars of activity	DPR Amount	2019-20
5319	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 300 sqmm	24.295	19.130
5320	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 95 sqmm	0.039	0.031
5321	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 120 sqmm	0.047	0.037
5322	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 240 sqmm	0.049	0.039
5323	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 300 sqmm	0.049	0.039
5324	Replacement of old HT Indoor Termination joints for 11kV, 3C X 95 sqmm XLPE Cable	0.034	0.027
5325	Replacement of old HT Indoor Termination joints for 11kV, 3C X 120 sqmm XLPE Cable	0.041	0.032
5326	Replacement of old HT Indoor Termination joints for 11kV, 3C X 240 sqmm XLPE Cable	0.042	0.033
5327	Replacement of old HT Indoor Termination joints for 11kV, 3C X 300 sqmm XLPE Cable	0.043	0.034
<b>54</b>	<b>LT Line Upgradation</b>		

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
5405	to Underground LT PVC Armoured Cable 2C X 16 Sq mm	1.645	1.295
5406	to Underground LT XLPE Armoured Cable 3 1/2C X 120 Sq mm	6.465	5.091
5407	to Underground LT XLPE Armoured Cable 3 1/2C X 120 Sq mm	11.668	9.188
5408	to Underground LT XLPE Armoured Cable 3 1/2C X 300 Sq mm	13.356	10.517
5409	to Underground LT XLPE Armoured Cable 3 1/2C X 185 Sq mm	9.267	7.297
5410	to Underground LT XLPE Armoured Cable 3 1/2C X 70 Sq mm	4.290	3.378
<b>55</b>	<b>Conversion of OH to UG</b>		
5501	33 kV OH line by 3 C , 300 Sqmm XLPE UG Cable	36.522	28.758
5502	Conversion of OH to UG 22 kV line 300 sqmm	30.730	24.197
5504	Conversion of OH to UG 22 kV line 95 sqmm	18.941	14.914
5505	Conversion of OH to UG 11 kV line 300 sqmm	24.281	19.119
5507	Conversion of OH to UG 11 kV line 185 sqmm	18.412	14.498
5508	Conversion of OH to UG 11 kV line 95 sqmm	13.708	10.794
5510	Conversion of OH to UG LT line 300 sqmm	13.356	10.517
5511	Conversion of OH to UG LT line 240 sqmm	11.668	9.188
5512	Conversion of OH to UG LT line 185 sqmm	9.267	7.297
5513	LT line by3.5 CX 120sqmm XLPE Cable	6.465	5.091
5515	LT line by3.5 CX 70sqmm XLPE Cable	4.290	3.378
5516	LT Cable of size 3.5 C X 35 sqmm	4.290	3.378
5517	LT line by3.5 CX 50 sqmm XLPE Cable	3.350	2.638
5518	LT line by3.5 CX 16 sqmm XLPE Cable	2.097	1.651
5519	LT line by 2 C x 16 sqmm XLPE Cable	1.645	1.295
<b>57</b>	<b>33/11 kV S/Stn. Revamping</b>		
5701	R & M Work (Indoor to Outdoor) 2 x 5	83.211	65.369
5705A	Replacement of 33 kV CT 200-100/1-1-1 A, 3 Core	0.384	0.302
5705B	Replacement of 33 kV CT 400-200/1-1-1 A, 3 Core	0.403	0.316
5707A	Replacement of 11 kV CT 400-200/5-5 A, 2 Core outdoor	0.171	0.134
5707B	Replacement of 11 kV CT 400-200-100/5-5-5 A, 3 Core indoor	0.229	0.180
5708	33 kV PTs	0.304	0.239
5709	22 kV PTs	0.288	0.226
5710	11 kV PTs	0.144	0.113
5714	11 KV VCB 400 A (Indoor type)	4.531	3.560
5715	11 KV VCB 400 A (outdoor type)	1.669	1.311

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
5716	11 KV VCB 800 A (Indoor type)	4.652	3.654
5717	11 KV VCB 800 A (Outdoor type)	1.892	1.486
5718	33 kV Isolators 800 amp (with EB)	0.889	0.698
5720	11 kV Isolators (without EB)	0.429	0.337
5721	22 kV Isolators (without EB)	0.575	0.451
5722	33 kV Isolators (without EB)	0.814	0.639
5724	22 kV Lightning Arrestor (station Type)	0.191	0.150
5725	33 kV Lightning Arrestor (station Type)	0.219	0.172
5727	22 kV Lightning Arrestor (Screw Type)	0.138	0.108
5728	CR Panels with differential protection for 33 kV	1.004	0.789
5729	Replacement of Control Panel 22 KV	1.063	0.835
5732	Battery 100 AH, 30 Volts	0.580	0.455
5733	Battery Charger Set for above	0.580	0.455
5734	Battery with Battery Charger	1.160	0.911
5740	Replacement of Indoor switchgear, 11 kV, 250 MVA with 2 I/C + 8 OG + 1 BC	50.206	39.441
5741	Replacement of Outdoor switchgear, 11 kV, 250 MVA with 1 I/C + 3 OG + 1 BC	17.231	13.536
5742	Replacement of Outdoor switchgear, 11 kV, 250 MVA with 2 I/C + 4 OG	24.124	18.951
5743	11 kV, 250 MVA, OD Switchgear with one I/C & one OG	6.892	5.415
5744	11 kV, 500 MVA Indoor Switchgear with 2 I/C + 8 OG + 1 BC	50.206	39.441
5745	33 kV Isolator 800 A without EB	0.814	0.639
5746	33 kV Isolator 800 A without EB & with structure	2.527	1.985
5747	11 kV Isolator 400 A with EB (Indoor)	0.439	0.345
5748	Replacement of Power Transformer 5 MVA	48.374	38.001
5749	Replacement of Power Transformer 10 MVA	75.492	59.305
5751	Replacement of 22/11 kV, 1X5 MVA Power Transformer	53.234	41.819
5752	Replacement of 22/11 kV, 1X10 MVA Power Transformer	76.820	60.348

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
<b>58</b>	<b>DTC Maintenance</b>		
5802A	Replacement of existing Dist. Box for 25 / 63 KVA Dist. Transformer	0.230	0.181
5802B	Replacement of existing Dist. Box for 100 KVA Dist. Transformer	0.248	0.195
5803	Replacement of existing Dist. Box for 200KVA Dist. Transformer	0.449	0.354
5804	Replacement of DB's for 315 KVA Distribution transformer with 6 way feeder pillar with ACB	1.120	0.882
5805	LTCT operated DTC meters 100/5A	0.075	0.059
5806	Replacement of DB's for 63/100 KVA Distribution Transformer with MCCB DB	0.265	0.209
5807	Replacement of DB's for 200 KVA Distribution Transformer with MCCB DB	0.473	0.373
5808	Replacement of DB's for 315 KVA Distribution transformer with 6 way feeder pillar with ACB	1.120	0.882
5816	Replacement of 11 kV Pin Insulator	0.002	0.002
5817	Replacement of 22 kV Pin Insulator	0.006	0.005
5818	Replacement of 33 kV Pin Insulator	0.009	0.007
5819	Replacement of 11 kV Disc Insulator	0.006	0.005
<b>59</b>	<b>Replacement of Poles</b>		
5901	H.T. poles with required accessories (100 X 116 mm X 11 M)	0.337	0.265
5903	H .T. Poles : RSJ : 100 x 116 mm : 10 Rmt	0.319	0.251
5904	H.T. poles RSJ 152mmx152mm 13mtr	0.500	0.394
5905	H.T. poles RSJ 152mmx152mm 11mtr	0.469	0.369
5906	H.T. poles RSJ 9 mtr 100 x 116 mm	0.301	0.237
5907	HT poles RSJ (116 x 100) 9 mtrs	0.282	0.222
5908	LT. poles RSJ 125mmx70mm 9mtr	0.155	0.122
5909	L.T. poles with required accessories (125 X 70 mm X 8 M)	0.144	0.114
5912	L.T. poles with required accessories (125 X 75 mm X 9 M)	0.092	0.072
<b>60</b>	<b>Replacement of Meters</b>	<b>0</b>	
6001	1 Phase	0.017	0.013
6003	CT Operated Meter	0.230	0.181
<b>61</b>	<b>Feeder Pillar</b>		
6106	Replacement of Mini Pillars	0.233	0.183
<b>62</b>	<b>Ring Main Unit</b>	<b>0</b>	

### Cost Data 2019-20

Code No.	Particulars of activity	DPR Amount	2019-20
6201	Replacement of 3 Panel Ring Main Unit with 4 Panel Ring Main Unit, 11 kV	7.215	5.681
6202	Replacement of RMU (SF6 Type) with 3 Isolator + 1 Breaker	7.874	6.236
6203	Replacement of RMU (SF6 Type) with 2 Isolator + 2 Breaker	9.374	7.417
6204	Replacement of Indoor Ring Main Unit (SF - 6) (3 Isolators + 2 Breaker) 22 kV	12.917	10.207
<b>67</b>	<b>Other than Above</b>	<b>0</b>	
6701	A.B.Switch 11 Kv	0.234	0.185
6723	11 kV AB Switch 400 Amp with DP structure	0.785	0.618
6724	22 kV AB Switch with RSJ Pole 110 X 116, 9 mtr DP & allied fabrication	0.916	0.721
6725	Supply & replacement of 11 kV V-Cross arm & Top Pin Supports	0.027	0.021
6726	Supply & replacement of 22 kV V-Cross arm & Top Pin Supports	0.037	0.029
6727	Supply & replacement of 33 kV V-Cross arm & Top Pin Supports	0.037	0.029
6730	DP Structure & reinstalment of existing 22/0.4 or 11/0.4 kV Distribution Transformer on RSJ Pole 100 X 116, 9 mtr with Kit Kat DB	1.175	0.926
6731	Rerouting of 22 kV Tower Line with narrow base Towers	251.312	197.886

### Cost Data 2019-20

Code No.	Particulars of activity	DPR	2019-20
		Amount	
<b>70</b>	<b>GIS Sub-station</b>		
7001	7001 GIS 33/11 KV 1 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	345.05	271.00
7002	7002 GIS 33/11 KV 1 x 5 MVA (for other Cities)	243.23	191.01
7003	ITEM CODE 7003 : GIS 33/11 KV 2 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	486.36	382.00
7004	Item Code No. 7004 : GIS 33/11 KV 2 x 5 MVA (Other Cities)	344.61	270.65
7005	Item Code No. 7005 : GIS 33/11 KV 1 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	387.34	304.22
7006	Item Code No. 7006 : GIS 33/11 KV 1 x 10 MVA (Other cities)	251.86	197.79
7007	Item Code No. 7007 : GIS 33/11 KV 2 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	568.88	446.83
7008	Item Code No. 7008 : GIS 33/11 KV 2 x 10 MVA (Other Cities)	426.29	334.81
7009	Item Code No. 7009 : GIS 22/11 KV 1 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	340.68	267.56
7010	Item Code No. 7010 : GIS 22/11 KV 1 x 5 MVA (other cities)	219.64	172.48
7011	Item Code No. 7011 : GIS 22/11 KV 2 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	486.85	382.39
7012	Item Code No. 7012 : GIS 22/11 KV 2 x 5 MVA (other cities)	373.38	293.25
7013	Item Code No. 7013 : GIS 22/11 KV 1 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	379.52	298.07
7014	Item Code No. 7014 : GIS 22/11 KV 1 x 10 MVA (other cities)	245.12	192.49
7015	Item Code No. 7015 : GIS 22/11 KV 2 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	562.42	441.76
7016	Item Code No. 7016 : GIS 22/11 KV 2 x 10 MVA (other cities)	420.87	330.56