

Cost Data 2018-19

Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
CAPITAL WORKS			
01	33/11/ kV New S/S (Supply, erection, testing & commissioning)		
0101	1 x 5 MVA S/S	171.840	134.818
0102	1 x 10 MVA S/S	208.324	163.441
0103	2 x 5 MVA S/S	267.357	209.756
0104	2 x 10 MVA S/S	338.367	265.467
0105	1 X 5 MVA & 1 x 10 MVA S/S	306.121	240.169
01A	33/11/ kV New S/S (Supply, erection, testing & commissioning)with RSJ structure		
0101A	1 x 5 MVA S/S	171.865	134.838
0102A	1 x 10 MVA S/S	208.415	163.513
0103A	2 x 5 MVA S/S	268.179	210.401
0104A	2 x 10 MVA S/S	340.417	267.076
0105A	1 X 5 MVA & 1 x 10 MVA S/S	307.351	241.134
01B	33/22 kV New S/S Outdoor (Supply, erection, testing & commissioning)		
0101B	1 x 5 MVA S/S	192.579	151.088
0102B	1 x 10 MVA S/S	225.203	176.684
0103B	2 x 5 MVA S/S	299.461	234.944
0104B	2 x 10 MVA S/S	364.730	286.151
01C	33/11 kV New S/S with 33 kV Outdoor & 11 kV Indoor (Supply, erection, testing & commissioning)		
0101C	1 x 5 MVA S/S	180.100	141.298
0102C	1 x 10 MVA S/S	214.851	168.562
0103C	2 x 5 MVA S/S	279.515	219.294
0104C	2 x 10 MVA S/S	345.347	270.943
01D	33/11 kV New S/S with 33 kV Outdoor & 11 kV Indoor (Supply, erection, testing & commissioning) with RSJ Structure		
0101D	1 x 5 MVA S/S	180.737	141.798
0102D	1 x 10 MVA S/S	213.653	167.623
0103D	2 x 5 MVA S/S	279.663	219.411
0104D	2 x 10 MVA S/S	345.495	271.059
02	33/11 kV Augmentation (Supply, erection, testing & commissioning)		
0201	3.15 MVA to 5 MVA	48.944	38.399
0202	5 MVA to 10 MVA	112.986	88.643
0203	3.15 MVA to 10 MVA	124.718	97.848
0204	3.15 MVA to 5 MVA (If switch gears not available)	63.979	50.195
0205	33 / 11 KV Augmentation from 3.15 to 5 MVA (2 Nos.) at Sub-station (Out Door)	152.667	119.776
0206	2 X 5 MVA to 2 X 10 MVA	224.836	176.396

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03	33/11 kV Additional Power Transformer (Supply, erection, testing & commissioning)		
0301	1 x 5 MVA Power Transformer	95.836	75.189
0302	1 x 10 MVA Power Transformer	133.026	104.366
03A	33/11 kV Additional Power Transformer (Supply, erection, testing & commissioning)with Gantry structure for 33 KV bus.		
0301A	1 x 5 MVA Power Transformer	98.284	77.109
0302A	1 x 10 MVA Power Transformer	134.878	105.819
03B	33/11 kV Additional Power Transformer with 33 kV Outdoor & 11 kV Indoor (Supply, erection, testing & commissioning) without Gantry Structure		
0301B	1 x 5 MVA Power Transformer	106.095	83.237
0302B	1 x 10 MVA Power Transformer	139.866	109.733
03C	33/22 kV Additional Power Transformer (Supply, erection, testing & commissioning)		
0301C	1 x 5 MVA Power Transformer	104.911	82.308
0302C	1 x 10 MVA Power Transformer	138.745	108.853
04	22/11 kV Substation (Supply, erection, testing & commissioning)		
0401	1 x 5 MVA ,Outdoor S/S	170.783	133.988
0402	1 x 10 MVA ,Outdoor S/S	206.423	161.950
0403	2 x 5 MVA ,Outdoor S/S	269.111	211.132
0404	2 x 10 MVA ,Outdoor S/S	334.466	262.407
0405	1x 5 MVA and 1x10 MVA,Outdoor S/S.	313.358	245.846
04A	22/11 kV Substation (Supply, erection, testing & commissioning)with RSJ pole structure		
0401A	1 x 5 MVA ,Outdoor S/S	171.020	134.174
0402A	1 x 10 MVA ,Outdoor S/S	206.673	162.146
0403A	2 x 5 MVA ,Outdoor S/S	269.406	211.363
0404A	2 x 10 MVA ,Outdoor S/S (Supply, erection, testing & commissioning)with RSJ pole structure	337.152	264.514
0405A	1x 5 MVA and 1x10 MVA,Outdoor S/S.	306.370	240.364
04B	22/11 kV Substation - Indoor (Supply, erection, testing & commissioning)		
0402B	1 x 10 MVA ,Indoor S/S	230.906	181.158
04C	22/11 kV Substation - 22kV Outdoor & 11kV Indoor (Supply, erection, testing & commissioning)		
0403C	2 x 5 MVA	296.481	232.605
05	Switching Station (Outdoor) (Supply, erection, testing & commissioning)		
0501	22 kV switching station	225.629	177.018
0502	11 kV switching station	184.313	144.603

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06	Feeder Bay (Supply, erection, testing & commissioning)		
0601	33 kV feeder bay	12.301	9.651
0602	22 kV feeder bay	11.599	9.100
0603	11 kV feeder bay	9.878	7.750
06A	Feeder Bay without Gantry Structure (Supply, erection, testing & commissioning)		
0601A	33 kV feeder bay without Gantry Structure	11.318	8.880
0602A	22 kV feeder bay without Gantry Structure	10.696	8.391
0603A	11 kV feeder bay without Gantry Structure	8.975	7.041
06B	Feeder Bay with Gantry Structure & PT (Supply, erection, testing & commissioning)		
0601B	33 kV feeder bay with Gantry Structure & PT	14.143	11.096
0602B	22 kV feeder bay with Gantry Structure & PT	12.432	9.753
0603B	11 kV feeder bay with Gantry Structure & PT	10.542	8.271
06C	Feeder Bay without main bus bar extension (Supply, erection, testing & commissioning)		
0601D	11 kV Feeder bay with take off structure & bus bar	12.049	9.453
07	33 kV line (Supply, erection, testing & commissioning)		
0701	Suspension type with 100 Sq. mm AAAC conductor on 152 X 152 mm 12 mtr RSJ	11.666	9.176
0702	Suspension type with 100 Sq. mm AAAC conductor on 152 X 152 mm 13 mtr RSJ	12.150	9.556
0703	Pin type with 100 Sq. mm AAAC conductor on 152 X 152 mm 11 mtr RSJ poles	10.985	8.640
0704	Pin type with 100 Sq. mm AAAC conductor on 100 X 116 mm 10 mtr RSJ poles	8.915	7.012
0706	Express/Highway Crossing with 100 sqmm conductor on 152 X 152 SJ 13 mtr Poles for One span of 30 mtr.	2.414	1.899
0707	Road crossing with 100sqmm conductor on 100 X 116mm,10 mtr RSJ Poles	1.614	1.269
0708	33kV, 3 core X 300 sqmm XLPE Underground Cable	32.342	25.438
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.	11.544	9.079
0710	33kV, RIVER Crossing with 100sqmm conductor on 152 X 152 RSJ 13 mtr H Poles for one span of 30 mtr.	2.457	1.932
0711	Double pole structure(cut point) of- 33 kv line using 13 m long RSJ pole	1.243	0.978
0712	Double pole structure (cut point) of- 33 kv line using 11 m long RSJ pole	1.133	0.891
0713	Double pole structure(cut point) of- 33 kv line using 11 m long RSJ pole	0.903	0.710
0714	Single pole cut point structure for 33kv line on RSJ 13 m pole	1.063	0.836
0715	Single pole cut point structure for 33kv line on RSJ 11 m pole	0.953	0.750

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		DPR Amount	Tender/ Estimate Amount
0718	33kV, Pin type with 100 Sq. mm AAAC lines on 100 X 116 mm 11 mtr RSJ poles, single circuit	9.239	7.267
0720	33 kV, Pin Type with 100 sqmm AAAC Conductor on 152X152, 13 mtr RSJ Pole	10.254	8.065
0721	33 kV, Tapping Structure using 100X116, 11 mtr RSJ Pole	2.409	1.894
0725	33kV, Express/Highway Crossing with 232 sqmm AAAC conductor on 152X152, 13 mtr RSJ Poles	2.672	2.102
0726	33kV, Road Crossing with 232 sqmm AAAC conductor on 152X152, 13 mtr RSJ Poles	2.342	1.842
08	22 kV Line (Supply, erection, testing & commissioning)		
0801	22kV, Pin type AAAC 34 sqmm. Conductor on 11 mtr long RSJ Poles	6.567	5.165
0804	22kV, Pin type with 100 Sq. mm AAAC conductor on 152 X 152 mm 11 mtr RSJ poles	11.686	9.192
0805	22kV, Pin type with 100 Sq. mm AAAC conductor 100 X 116 mm 10 mtr RSJ poles	12.656	9.954
0806	22 KV Single circuit Pin type with 100sq.mm AAAC lines on 152x152 mm 11 mtr RSJ poles	11.138	8.760
0807	Suspention type with 100 Sq.mm AAAC lines on 152 x 152 mm 11 mtr. RSJ	8.857	6.967
0808	22 kV Single Circuit pin type with AAAC 34 mm ² on 9 mtr PSC 200 kg poles	3.706	2.915
0809	22kV, Express/Highway Crossing with AAAC 100 sqmm conductor on 152 X 152 RSJ 13 mtr Poles	2.354	1.851
0810	22kV, Road crossing with AAAC 100 sqmm conductor on 100 X 116mm,10 mtr RSJ Poles	1.594	1.254
0811	22kv, 3 core X 95 sqmm XLPE Underground Cable	17.090	13.442
0812	22kv, 3 core X 240 sqmm XLPE Underground Cable	23.473	18.462
0813	22kv, 3 core X 300 sqmm XLPE Underground Cable	27.905	21.948
0814	3 core X 300 sqmm XLPE Underground Cable for Railway line crossing as per Sketch	9.337	7.344
0815	22kv, RIVER Crossing with 100sqmm conductor on 152 X 152 RSJ 13 mtr H Poles	2.354	1.851
0816	Double pole structure(cut point) of- 22 kv line using 13 m long RSJ pole	1.185	0.932
0817	Double pole structure(cut point) of- 22 kv line using 11 m long RSJ pole	1.075	0.845
0818	Single pole cut point structure for 22kv line on RSJ 11 m pole	0.845	0.664
0819	Single pole cut point structure for 22kv line on RSJ 9 m pole	0.466	0.367
0820	Single pole cut point structure for 22kv line on PSC 11 m pole	0.615	0.484
0821	22 kV, Single Circuit, Pin Type, 34 sqmm AAAC on PSC Pole	0.347	0.273
0822	22 kV, Single Circuit, Suspension Type, 232 sqmm AAAC on 152X152, 13 mtr RSJ Pole	16.779	13.197
0823	22 kV, Single Circuit, Pin Type, 232 sqmm AAAC on 152X152, 13 mtr RSJ Pole	16.523	12.995

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0824	22kv, Express/Highway Crossing with 232 sqmm AAAC Conductor on 152X152, 13 mtr RSJ Pole	2.569	2.021
0825	22kv, Road Crossing with 232 sqmm AAAC Conductor on 152X152, 13 mtr RSJ Pole	2.558	2.012
0826	22 kV HT Feeder Pillar	1.395	1.097
0827	HT Jointing Chamber (Civil)	0.019	0.015
0830	22kv, Pin Type, 55 sqmm, 100X116, 9 mtr RSJ Pole	6.538	5.142
0831	22kv, Pin Type, 55 sqmm, 100X116, 11 mtr RSJ Pole	7.118	5.599
0832	22kv, Pin Type, 34 sqmm AAAC 100X116, 9 mtr RSJ Pole	5.994	4.715
09	11 kV line (Supply, erection, testing & commissioning)		
0901	11kV, Pin type 34 sqmm AAAC Conductor & 200 Kg PSC Poles	2.848	2.240
0903	11kV, Pin type with AAAC, 34 sqmm conductor on RSJ Pole.	6.583	5.178
0905	11kV, Pin type with 100 Sq. mm AAAC lines on 152 X 152 mm 11 mtr RSJ poles	10.669	8.391
0906	11kV, Pin type with 100 Sq. mm AAAC lines on 100 X 116 mm 10 mtr RSJ poles	8.483	6.672
0907	11kV, Pin type with 55 Sq. mm AAAC conductor on 100 X 116 mm 9 mtr RSJ poles	6.595	5.187
0908	11kV, Pin type with 55 Sq. mm AAAC conductor on 9 mtr PSC poles	4.342	3.415
0909	11kV, Suspension type with 100 Sq. mm AAAC lines on 100 X 116 mm 11 mtr RSJ poles	9.306	7.319
0910	11kV, Suspension type with 55 Sq. mm AAAC conductor on 100 X 116 mm 11 mtr RSJ poles	7.786	6.124
0911	11kV, Express/Highway Crossing with 55 sqmm AAAC conductor on 100X116MM, 11 mtr RSJ Poles DP with one span of 30 mtr.	1.435	1.129
0912	11kV, Express/Highway Crossing with 100 sqmm AAAC conductor on 152X152MM, 13 mtr RSJ Poles DP with one span of 30 mtr.	2.284	1.796
0913	11kV, 3 core X 300 sqmm XLPE Underground Cable	22.059	17.350
0914	11kV, 3 core X 240 sqmm XLPE Underground Cable	19.637	15.445
0915	11kV, 3 core X 185 sqmm XLPE Underground Cable	16.435	12.926
0916	11kV, 3 core X 95 sqmm XLPE Underground Cable	13.728	10.797
0917	Conversion of 11 kV line by 3 core 185 sqmm Cable	16.435	12.926
0918	Conversion of 11 kV line by 3 core 95 sqmm Cable	13.728	10.797
0919	11kV, Major river crossing with 55 sqmm overhead conductor on 152X152MM, 13 mtr RSJ pole for one span of 100 mtr.	2.286	1.798
0920	Double pole structure (cut point) of- 11 kv line using 13 m long RSJ pole	1.179	0.927
0921	Double pole structure (cut point) of- 11 kv line using 11 m long RSJ pole	1.068	0.840
0922	DOUBLE POLE STRUCTURE (cut point) OF- 11 KV LINE USING 11 M LONG RSJ POLE	0.838	0.659
0923	Single pole cut point structure for 11kv line on RSJ 9 m pole	0.402	0.317

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0924	SINGLE POLE CUT POINT STRUCTURE FOR 11KV LINE ON RSJ 11 M POLE	0.552	0.434
0925	SINGLE POLE CUT POINT STRUCTURE FOR 11KV LINE ON PSC 9 M POLE	0.284	0.223
0929	Pin type with 100 Sq. mm AAAC lines on 100 X 116 mm 11 mtr RSJ poles	8.807	6.927
0933	11 kV, HT Feeder Pillar	1.489	1.197
10	22 kV /0.4 DTC (Supply, erection, testing & commissioning)		
1001	25 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	2.904	2.284
1002	63 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	3.824	3.008
1004	100 kVA Dist. Transformer centers on RSJ 9 mtr 100x116 poles with MCCB Dist box	4.644	3.653
1005	200 kVA Dist. Transformer centers on 100x116mm, 9 mtr RSJ poles with MCCB Dist box	7.389	5.812
1006	200 kVA Dist. Transformer centers on 100x116mm, 11 mtr RSJ poles with MCCB Dist box	7.458	5.866
1007	315 kVA Dist. Transformer centers with 9 mtr DP & plinth mounted	10.768	8.469
1008	315 kVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	10.477	8.240
1009	630 KVA, Plinth mounted Distribution Transformer Sub-station	15.450	12.152
1010	630 kVA Dist. Transformer centers on RSJ 11 mtr 100x116 mm poles.	15.212	11.964
1015	22/0.4 kV, 63 KVA DTC on RSJ pole 9m, with KitKat DB	3.826	3.010
1016	22/0.4 kV, 100 KVA DTC on RSJ pole 9m, with KitKat DB	4.556	3.584
1017	22/0.4 kV, 100 KVA DTC on RSJ pole 11m, with KitKat DB	4.709	3.704
11	22 kV /0.4 DTC Aug (Supply, erection, testing & commissioning)		
1101	22kV, 63 KVA to 100 KVA	3.490	2.745
1102	22kV, 100 KVA to 200 KVA	6.164	4.848
1103	22kV, 100 KVA to 315 KVA	8.911	7.009
1104	22kV, 200 KVA to 315 KVA	8.911	7.009
1105	22kV, 200 KVA to 630 KVA	13.353	10.502
1106	22kV, 315 KVA to 630 KVA	14.571	11.461
1107	22kV, 500 KVA to 630 KVA	14.571	11.461
1108	22kV, from 100, 200 & 315 KVA to 630 KVA on plinth	13.950	11.029
1109	22/0.4 kV, 100 KVA to 200 KVA with Kit Kat DB (Rural)	6.059	4.766
12	11/ 0.4 kV DTC (Supply, erection, testing & commissioning)		
1201	25 kVA Dist. Transformer centers on 9 mtr RSJ poles with MCCB Dist box	2.159	1.698
1202	63 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	2.740	2.155

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1203	100 kVA Dist. Transformer centers on 9mtr RSJ poles with MCCB Dist box	3.195	2.513
1204	200 kVA Dist. Transformer centers on 100x116mm, 9 mtr RSJ poles with MCCB Dist box	5.031	3.957
1205	200 kVA Dist. Transformer centers on 100x116mm, 11 mtr RSJ poles with MCCB Dist box	5.096	4.008
1206	315 kVA Dist. Transformer centers on 9 mtr RSJ poles with MCCB Dist box	10.238	8.053
1207	315 kVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	10.236	8.051
1208	630 kVA Dist. Transformer centers with 9 mtr RSJ poles DP & plinth mounted	14.788	11.631
1212	63 KVA Dist. Transformer centers on 9 mtrs 100 X 116 mm RSJ poles with Kit-kat Dist box.	2.718	2.138
1213	100 KVA Dist. Transformer centers on 9 mtrs 100 X 116 mm RSJ poles with Kit-kat Dist box.	3.180	2.501
1214	315 kVA Dist. Transformer centers with 9 mtr DP & plinth mounted	10.256	8.067
1215	63 KVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	2.808	2.208
1216	100 KVA Dist. Transformer centers on 11 mtr RSJ poles with MCCB Dist box	3.263	2.567
1217	25 KVA DTC on RSJ, 110 X 116, 11 mtr with MCCB DB	2.205	1.734
1218	25 KVA DTC on RSJ, 110 X 116, 9 mtr with Kit Kat DB	1.977	1.555
1219	63 KVA DTC on RSJ, 110 X 116, 11 mtr with Kit Kat DB	2.638	2.075
1220	100 KVA DTC on RSJ, 110 X 116, 11 mtr with Kit Kat DB	3.088	2.429
1221	11/0.4 kV, 1 X 630 KVA Indoor type with RMU with Builtup Room	22.887	18.581
1222	11/0.4 kV, 2 X 630 KVA Indoor type with RMU with Builtup Room	39.172	31.971
1223	11/0.4 kV, 1 X 630 KVA Indoor type with RMU without Room cost - Indoor	20.396	16.091
1224	11/0.4 kV, 2 X 630 KVA Indoor type with RMU without Room cost - Indoor	36.560	28.853
1225	11/0.4 kV, 2 X 315 KVA Indoor type with RMU without Room	16.491	13.068
1226	11/0.4 kV, 2 X 315 KVA Indoor type with RMU without Room	28.295	22.352
1227	Providing additional 11/0.4 kV, 1 X 315 KVA Transformer in existing substation	16.263	12.840
1228	Providing additional 11/0.4 kV, 1 X 630 KVA Transformer in existing substation	20.396	16.091
1229	Providing additional 11/0.4 kV, 1 X 995 KVA Transformer in existing substation	26.344	20.769
13	11/ 0.4 kV DTC Augmentation (Supply, erection, testing & commissioning)		
1301	63 kVA to 100 kVA	2.170	1.707
1302	100 kVA to 200 kVA	3.794	2.984
1303	100 KVA to 315 KVA	9.265	7.287
1304	200 KVA to 315 KVA	9.088	7.148

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1305	315 KVA to 630 KVA	13.086	10.349
1306	200 kVA to 630 kVA	13.086	10.349
1307	Augmentation of existing DTC to 11/0.4 kV, 100 KVA with Rural KitKat DB	2.501	1.967
1308	Augmentation of existing DTC to 11/0.4 kV, 200 KVA with Rural KitKat DB	4.040	3.177
1309	11/0.4 kV, 315 KVA to 11/0.4 kV, 630 KVA (Indoor)	13.241	10.414
1310	11/0.4 kV, 630 KVA to 11/0.4 kV, 995 KVA (Indoor)	19.189	15.092
14	LT line 3 Ph (Supply, erection, testing & commissioning)		
1401	3 phase 4 wire on PSC pole 8 mtr with Ant conductor for phase & Gnat for neutral with 200 Kg pole	2.816	2.215
1401A	4 phase 4 wire on PSC pole 8 mtr with Ant conductor for phase & Gnat for neutral with 140 Kg pole	2.715	2.135
1402	3 phase 4 wire on PSC pole 8 mtr with Gnat conductor for phase & neutral with 200 Kg	1.991	1.566
1402A	4 phase 4 wire on PSC pole 8 mtr with Gnat conductor for phase & neutral with 140 Kg	1.910	1.502
1403	3.5 X 70 sqmm XLPE Underground Cable	3.638	2.861
1404	3.5 X 95 sqmm XLPE Underground Cable	4.804	3.779
1405	3.5 X 120 sqmm XLPE Underground Cable	5.620	4.420
1406	3.5 X 185 sqmm XLPE Underground Cable	8.012	6.301
1407	3.5 X 300 sqmm XLPE UG Cable	11.831	9.305
1408	3.5 X 240 sqmm XLPE UG Cable	10.122	7.961
1409	3 1/2C X 16 Sq mm Underground LT PVC Armoured Cable	1.957	1.539
1410	3 1/2C X 35 Sq mm Underground LT PVC Armoured Cable	2.548	2.004
1411	3 1/2C X 50 Sq mm Underground LT PVC Armoured Cable	3.143	2.472
1412	3 1/2C X 120 Sq mm Underground LT XLPE Armoured Cable	5.525	4.346
1413	3 1/2C X 70 Sq mm Underground LT XLPE Armoured Cable	3.562	2.802
1414	3 1/2C X 95 Sq mm Underground LT XLPE Armoured Cable	4.719	3.712
1415	2 Core 2.5 mm Underground	1.616	1.271
1416	2 Core 4 mm Underground	2.182	1.716
1417	1.1 KV 2 X 16 sqmm XLPE Underground Cable	1.527	1.201
1418	1.1 KV 4 X 16 sqmm XLPE Underground Cable	1.957	1.539
1420	3 phase 5 wire with AAC ANT conductor for phase and AAC GNAT for neutral using RSJ pole 125 x 75 mm 9 mtr.	4.307	3.388
1423	3 Phase, 4 Wire LT line with ANT for Phase & GNAT for Neutral on RSJ 125 X 75, 9 mtr	3.852	3.030
1424	3 Phase, 4 Wire LT line with ANT for Phase & GNAT for Neutral on RSJ 125 X 75, 8 mtr	3.658	2.877
1425	3 Phase, 5 Wire LT line with ANT for Phase & GNAT for Neutral on PSC Pole, 8 mtr, 200 Kg.	3.173	2.495
1425A	5 Phase, 5 Wire LT line with ANT for Phase & GNAT for Neutral on PSC Pole, 8 mtr, 140 Kg.	3.071	2.416

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15	LT line 1 Ph (Supply, erection, testing & commissioning)		
1501	3 wire on PSC pole 8 mtr with Ant conductor for phase Gnat conductor for neutral, 200 Kg Pole	1.990	1.565
1501A	4 wire on PSC pole 8 mtr with Ant conductor for phase Gnat conductor for neutral, 140 Kg Pole	1.878	1.477
1502	2 wire on PSC pole 8 mtr with Gnat conductor for phase & neutral, 200 Kg pole	1.720	1.353
1502A	3 wire on PSC pole 8 mtr with Gnat conductor for phase & neutral, 140 Kg pole	1.608	1.265
1503	LT lines 1 phase 2 wire on 9 mtr RSJ poles with AAAC 34 sq. mm. for phase. Gnet for neutral	2.423	1.905
1504	1 Phase, 2 Wire LT Line with ANT for Phase & GNAT for Neutral on PSC Pole, 8 mtr., 200 Kg	1.617	1.272
1504A	2 Phase, 2 Wire LT Line with ANT for Phase & GNAT for Neutral on PSC Pole, 8 mtr., 140 Kg	1.536	1.208
1505	1 Phase, 2 Wire LT Line with ANT for Phase & GNAT for Neutral on RSJ Pole 125 X 70, 8 mtr.	2.373	1.866
16	H.V.D.S. (Supply, erection, testing & commissioning)		
1603	11 KV, 25 kVA Dist. Transformer centers on 9 mtr RSJ poles with MCCB Dist box	2.159	1.698
1605	22 KV Single circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr PSC poles	4.863	3.825
1606	22 KV Single Circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr RSJ poles	7.739	6.087
1607	22 KV Single Circuit pin type with 100 Sq. mm AAAC conductor on 9 mtr RSJ poles	9.148	7.195
1608	11 KV Single Circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr PSC poles	4.746	3.733
1609	11 KV Single Circuit pin type with 55 Sq. mm AAAC conductor on 9 mtr RSJ poles	7.147	5.622
1610	11 KV Single Circuit pin type with 100 Sq. mm AAAC conductor on 9 mtr RSJ poles	8.454	6.650
1611	25 KVA, 11/0.433 KV on 11 Mtr 100x116 mm. RSJ pole	2.228	1.752
17	Capacitor (Supply, erection, testing & commissioning)		
1701	Cost data for 11 KV Capacitor Bank at Dist. substation (on Existing pole).	2.392	1.877
1702	Cost data for 11 KV Capacitor Bank at Dist. substation (on New double pole).	3.323	2.607
1703	Cost Data for 11 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area	8.477	6.651
1704	Cost Data for 11 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for any area	10.526	8.259
1705	Cost Data for 11 KV Station Type 3.0 MVAR Capacitor Bank with 0.2 % Reactor for Rural area	11.867	9.310
1706	Cost Data for 11 KV Station Type 3.0 MVAR Capacitor Bank with 0.6 % Reactor for Urban area	14.811	11.620

Cost Data 2018-19			
Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
1707	Cost Data for 22 KV Station Type 1.2 MVAR Capacitor Bank with 0.2 % Reactor for rural area	12.086	9.482
1708	Cost Data for 22 KV Station Type 2.4 MVAR Capacitor Bank with 0.2 % Reactor for any area	13.825	10.846
1709	Cost Data for 22 KV Station Type 3.0 MVAR Capacitor Bank with 0.2 % Reactor for Rural area	15.814	12.407
1710	Cost Data for 22 KV Station Type 3.0 MVAR Capacitor Bank with 0.6 % Reactor for Urban area	20.685	16.228
20	Other than above		
2001	Supply erection ,testing & Commissioning of LT 6 way F.P.	0.555	0.436
2001A	Supply erection ,testing & Commissioning of LT 8 way F.P.	0.686	0.540
2002	Supply erection ,testing & Commissioning of LT 4 way F.P.	0.441	0.347
2003	Supply erection ,testing & Commissioning of LT Mini F.P.	0.210	0.166
	RENOVATION & MODERNIZATION WORK		
51	Upgradation of 33 kV Lines		
5101	Upgrading of 33 kV lines 80 sqmm to 100 sqmm conductor	4.644	3.653
5102	Upgrading of 33 kv lines by AAA 200 sqmm cond	8.850	6.961
5103	Replacement of 33 kV old HT Cable size 3C X 300 sqmm	33.670	26.482
5104	Replacement of old HT jointing kit outdoor 33 kV, 3C X 300 sqmm	0.335	0.264
5105	Replacement of old HT jointing kit Intdoor termination joint 33 kV, 3C X 300 sqmm	0.252	0.199
5106	Replacement of old HT jointing kit Intdoor Straight Through joint 33 kV, 3C X 300 sqmm	0.638	0.501
52	Upgrading of 22 kV lines		
5202	From 80sqmm to 100 sqmm conductor	4.637	3.647
5203	From 0.03 to 55 sqmm conductor	3.241	2.549
5204	From 0.1 to 0.2 sqmm conductor	9.009	7.086
5205	Replacement of 22 kV old HT Cable size 3C X 300 sqmm	28.734	22.600
5206	Replacement of 22 kV old outdoor HT jointing kit for 3C X 300 sqmm	0.245	0.193
5207	Replacement of 22 kV old Indoor HT jointing kit for 3C X 300 sqmm	0.231	0.182
5208	Replacement of old HT jointing kit Intdoor Straight Through joint 22 kV, 3C X 300 sqmm	0.429	0.338
53	Upgrading of 11 kV lines		
5302	11 KV Line with 100 Sqmm conductor	4.155	3.268
5303	11 kv lines with 55 sqmm cond	2.759	2.170
5316	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 95 sqmm	13.865	10.905
5317	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 120 sqmm	16.359	12.867
5318	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 240 sqmm	19.812	15.583

Cost Data 2018-19

Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
5319	Replacement of Old HT cable by new XLPE cable size 11 kV, 3C X 300 sqmm	22.316	17.553
5320	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 95 sqmm	0.038	0.030
5321	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 120 sqmm	0.045	0.036
5322	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 240 sqmm	0.047	0.037
5323	Replacement of old HT jointing Kit (Straight Through) for 11kV, 3C X 300 sqmm	0.047	0.037
5324	Replacement of old HT Indoor Termination joints for 11kV, 3C X 95 sqmm XLPE Cable	0.033	0.026
5325	Replacement of old HT Indoor Termination joints for 11kV, 3C X 120 sqmm XLPE Cable	0.039	0.031
5326	Replacement of old HT Indoor Termination joints for 11kV, 3C X 240 sqmm XLPE Cable	0.040	0.031
5327	Replacement of old HT Indoor Termination joints for 11kV, 3C X 300 sqmm XLPE Cable	0.041	0.032
54	LT Line Upgradation	0	
5405	to Underground LT PVC Armoured Cable 2C X 16 Sq mm	1.527	1.201
5406	to Underground LT XLPE Armoured Cable 3 1/2C X 120 Sq mm	5.525	4.346
5407	to Underground LT XLPE Armoured Cable 3 1/2C X 120 Sq mm	10.122	7.961
5408	to Underground LT XLPE Armoured Cable 3 1/2C X 300 Sq mm	11.831	9.305
5409	to Underground LT XLPE Armoured Cable 3 1/2C X 185 Sq mm	7.865	6.186
5410	to Underground LT XLPE Armoured Cable 3 1/2C X 70 Sq mm	3.562	2.802
55	Conversion of OH to UG	0	
5501	33 kV OH line by 3 C , 300 Sqmm XLPE UG Cable	33.657	26.472
5502	Conversion of OH to UG 22 kV line 300 sqmm	28.721	22.590
5503	Conversion of OH to UG 22 kV line 240 sqmm	24.172	19.012
5504	Conversion of OH to UG 22 kV line 95 sqmm	17.620	13.858
5505	Conversion of OH to UG 11 kV line 300 sqmm	22.303	17.542
5506	Conversion of OH to UG 11 kV line 240 sqmm	19.799	15.572
5507	Conversion of OH to UG 11 kV line 185 sqmm	16.588	13.047
5508	Conversion of OH to UG 11 kV line 95 sqmm	13.852	10.895
5510	Conversion of OH to UG LT line 300 sqmm	11.831	9.305
5511	Conversion of OH to UG LT line 240 sqmm	10.122	7.961
5512	Conversion of OH to UG LT line 185 sqmm	7.865	6.186
5513	LT line by 3.5 CX 120sqmm XLPE Cable	5.525	4.346
5514	LT line by 3.5 CX 90 sqmm XLPE Cable	4.719	3.712
5515	LT line by 3.5 CX 70sqmm XLPE Cable	3.562	2.802
5516	LT Cable of size 3.5 C X 35 sqmm	3.562	2.802
5517	LT line by 3.5 CX 50 sqmm XLPE Cable	3.143	2.472
5518	LT line by 3.5 CX 16 sqmm XLPE Cable	1.957	1.539
5519	LT line by 2 C x 16 sqmm XLPE Cable	1.527	1.201

Cost Data 2018-19

Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
57	33/11 kV S/Stn. Revamping	0	
5701	R & M Work (Indoor to Outdoor) 2 x 5	91.012	71.404
5705A	Replacement of 33 kV CT 200-100/1-1-1 A, 3 Core	0.355	0.278
5705B	Replacement of 33 kV CT 400-200/1-1-1 A, 3 Core	0.395	0.310
5707A	Replacement of 11 kV CT 400-200/5-5 A, 2 Core outdoor	0.210	0.164
5707B	Replacement of 11 kV CT 400-200-100/5-5-5 A, 3 Core indoor	0.242	0.190
5708	33 kV PTs	0.296	0.232
5709	22 kV PTs	0.278	0.218
5710	11 kV PTs	0.120	0.094
5714	11 KV VCB 400 A (Indoor type)	2.229	1.749
5715	11 KV VCB 400 A (outdoor type)	2.229	1.749
5716	11 KV VCB 800 A (Indoor type)	2.268	1.779
5717	11 KV VCB 800 A (Outdoor type)	2.268	1.779
5718	33 kV Isolators 800 amp (with EB)	0.892	0.700
5720	11 kV Isolators (without EB)	0.350	0.275
5721	22 kV Isolators (without EB)	0.610	0.479
5722	33 kV Isolators (without EB)	0.731	0.574
5724	22 kV Lightning Arrestor (station Type)	0.179	0.141
5725	33 kV Lightning Arrestor (station Type)	0.205	0.161
5727	22 kV Lightning Arrestor (Screw Type)	0.131	0.103
5728	CR Panels with differential protection for 33 kV	2.086	1.636
5729	Replacement of Control Panel 22 KV	1.032	0.810
5732	Battery 100 AH, 30 Volts	0.547	0.430
5733	Battery Charger Set for above	0.547	0.430
5734	Battery with Battery Charger	1.095	0.859
5740	Replacement of Indoor switchgear, 11 kV, 250 MVA with 2 I/C + 8 OG + 1 BC	47.004	36.877
5741	Replacement of Outdoor switchgear, 11 kV, 250 MVA with 1 I/C + 3 OG + 1 BC	21.764	17.075
5742	Replacement of Outdoor switchgear, 11 kV, 250 MVA with 2 I/C + 4 OG	30.469	23.905
5743	11 kV, 250 MVA, OD Switchgear with one I/C & one OG	8.706	6.830
5744	11 kV, 500 MVA Indoor Switchgear with 2 I/C + 8 OG + 1 BC	47.004	36.877
5745	33 kV Isolator 800 A without EB	0.731	0.574
5746	33 kV Isolator 800 A without EB & with structure	2.458	1.928
5747	11 kV Isolator 400 A with EB (Indoor)	0.399	0.313
5748	Replacement of Power Transformer 5 MVA	48.944	38.399
5749	Replacement of Power Transformer 10 MVA	81.860	64.223
5751	Replacement of 22/11 kV, 1X5 MVA Power Transformer	48.412	37.982
5752	Replacement of 22/11 kV, 1X10 MVA Power Transformer	81.417	63.876

Cost Data 2018-19			
Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
58	DTC Maintenance	0	
5802A	Replacement of existing Dist. Box for 25 / 63 KVA Dist. Transformer	0.268	0.211
5802B	Replacement of existing Dist. Box for 100 KVA Dist. Transformer	0.280	0.220
5803	Replacement of existing Dist. Box for 200KVA Dist. Transformer	0.352	0.277
5804	Replacement of DB's for 315 KVA Distribution transformer with 6 way feeder pillar with ACB	1.080	0.850
5805	LTCT operated DTC meters 100/5A	0.062	0.049
5806	Replacement of DB's for 63/100 KVA Distribution Transformer with MCCB DB	0.299	0.235
5807	Replacement of DB's for 200 KVA Distribution Transformer with MCCB DB	0.457	0.359
5808	Replacement of DB's for 315 KVA Distribution transformer with 6 way feeder pillar with ACB	1.080	0.850
5816	Replacement of 11 kV Pin Insulator	0.002	0.002
5817	Replacement of 22 kV Pin Insulator	0.006	0.004
5818	Replacement of 33 kV Pin Insulator	0.009	0.007
5819	Replacement of 11 kV Disc Insulator	0.006	0.005
59	Replacement of Poles	0	
5901	H.T. poles with required accessories (100 X 116 mm X 11 M)	0.318	0.250
5903	H .T. Poles : RSJ : 100 x 116 mm : 10 Rmt	0.301	0.237
5904	H.T. poles RSJ 152mmx152mm 13mtr	0.476	0.374
5905	H.T. poles RSJ 152mmx152mm 11mtr	0.443	0.348
5906	H.T. poles RSJ 9 mtr 100 x 116 mm	0.284	0.223
5907	HT poles RSJ (116 x 100) 9 mtrs	0.265	0.209
5908	LT. poles RSJ 125mmx70mm 9mtr	0.145	0.114
5909	L.T. poles with required accessories (125 X 70 mm X 8 M)	0.135	0.106
5912	L.T. poles with required accessories (125 X 75 mm X 9 M)	0.087	0.069
60	Replacement of Meters	0	
6001	1 Phase	0.012	0.009
6002	3 Phase	0.023	0.018
6003	CT Operated Meter	0.227	0.179
61	Feeder Pillar		
6106	Replacement of Mini Pillars	0.210	0.166
62	Ring Main Unit	0	
6201	Replacement of 3 Panel Ring Main Unit with 4 Panel Ring Main Unit, 11 kV	8.254	6.492
6202	Replacement of RMU (SF6 Type) with 3 Isolator + 1 Breaker	8.866	7.008
6203	Replacement of RMU (SF6 Type) with 2 Isolator + 2 Breaker	9.712	7.674
6204	Replacement of Indoor Ring Main Unit (SF - 6) (3 Isolators + 2 Breaker) 22 kV	13.774	10.869

Cost Data 2018-19			
Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
67	Other than Above	0	
6701	A.B.Switch 11 Kv	0.212	0.167
6723	11 kV AB Switch 400 Amp with DP structure	0.726	0.571
6724	22 kV AB Switch with RSJ Pole 110 X 116, 9 mtr DP & allied fabrication	0.826	0.650
6725	Supply & replacement of 11 kV V-Cross arm & Top Pin Supports	0.025	0.020
6726	Supply & replacement of 22 kV V-Cross arm & Top Pin Supports	0.034	0.027
6727	Supply & replacement of 33 kV V-Cross arm & Top Pin Supports	0.034	0.027
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	1.123	0.883
6731	Rerouting of 22 kV Tower Line with narrow base Towers	227.595	179.010
6732	Replacement of existing EM relays by Static / numerical relays	0.360	0.282
70	GIS Sub-station		
7001	7001 GIS 33/11 KV 1 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	331.53	260.11
7002	7002 GIS 33/11 KV 1 x 5 MVA (for other Cities)	228.72	179.44
7003	ITEM CODE 7003 : GIS 33/11 KV 2 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	478.47	375.39
7004	Item Code No. 7004 : GIS 33/11 KV 2 x 5 MVA (Other Cities)	333.59	261.72
7005	Item Code No. 7005 : GIS 33/11 KV 1 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	380.39	298.44
7006	Item Code No. 7006 : GIS 33/11 KV 1 x 10 MVA (Other cities)	242.35	190.14
7007	Item Code No. 7007 : GIS 33/11 KV 2 x 10 MVA(for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	573.13	449.65
7008	Item Code No. 7008 : GIS 33/11 KV 2 x 10 MVA (Other Cities)	425.06	333.48
7009	Item Code No. 7009 : GIS 22/11 KV 1 x 5 MVA(for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	322.20	252.79
7010	Item Code No. 7010 : GIS 22/11 KV 1 x 5 MVA (other cities)	199.37	156.42
7011	Item Code No. 7011 : GIS 22/11 KV 2 x 5 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	468.61	367.65

Cost Data 2018-19			
Code No.	Particulars of activity	Cost Per Unit	
		DPR Amount	Tender/ Estimate Amount
7012	Item Code No. 7012 : GIS 22/11 KV 2 x 5 MVA (other cities)	350.46	274.96
7013	Item Code No. 7013 : GIS 22/11 KV 1 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	370.83	290.93
7014	Item Code No. 7014 : GIS 22/11 KV 1 x 10 MVA (other cities)	234.21	183.75
7015	Item Code No. 7015 : GIS 22/11 KV 2 x 10 MVA (for cities Amravati, Nagpur, Pune, Bhandup, Kalyan & Nashik)	563.53	442.12
7016	Item Code No. 7016 : GIS 22/11 KV 2 x 10 MVA (other cities)	416.47	326.75