

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of June 2017

SI No	Name of Electricity Distribution Division	No. of Urban Feeders	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI Calculation		SAIDI Calculation		MAIFI Calculation			
							$\sum A_i \times N_i$ for Division	SAIFI	$\sum B_i \times N_i$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum C_i \times N_i$ for Division	MAIFI
								Nos.		Min				Nos.
	1	2	3	4	5	6	7	8=7/5	9	10=9/5	11	12	13	14=13/5
1	Dehradun (Rural)	6	11	316	9817	8486	538600	55	12915582	1316	114	8486	169525	17
2	Vikasnagar	6	11	280	17271	15097	754816	44	580066500	33586	3	15097	9310	1
3	Rishikesh	17	11	651	18537	17740	680877	37	4789610	258	72	17740	76037	4
4	Uttarkashi	10	11	153	17327	13027	248179	14	10214661	590	127	13027	221232	13
5	Doiwala	3	11	86	4128	4128	114529	28	2842679	689	22	4128	28976	7
6	Dehradun (North)	37	11	876	44467	44467	1314445	30	45233166	1017	510	42201	770168	17
7	Dehradun (South)	35	11	969	79976	74928	2198540	27	61809452	773	732	77116	20	14
8	Dehradun (Central)	27	11	619	49212	49212	1251953	25	39102379	795	320	54103	530013	11
9	Srinagar	5	11	133	4324	2162	65603	15	1272014	294	8	2162	3968	1
10	Pauri	7	11	210	15880	6744	196062	12	2373150	149	34	11154	75518	5
11	Tehri	14	11	98	29942	29757	264087	9	5708253	191	28	28613	76254	3
12	Gopeshwar	8	11	297	5182	5182	245391	47	8350151	1611	118	5182	91368	18
13	Narayanbagar	5	11	256	8223	8223	481421	59	16361903	1990	43	8223	63584	8
14	Kotdwar	6	11	302	16901	8499	471444	28	9000626	533	28	8499	45631	3
15	Rudraprayag	4	11	25	872	97	890	1	72416	83	115	97	4880	6
16	Roorkee(Urban)	25	11	1531	63937	46758	3250442	51	72623244	1136	270	46758	536143	8
17	Roorkee(Rural)	4	11	641	15600	15600	2541700	163	80596000	5166	100	15600	485300	31
18	Haridwar(Urban)	44	11	1287	216218	106408	3448384	16	75089202	347	278	106408	676021	3
19	Haridwar(Rural)	2	11	108	4395	3995	267705	61	7457825	1697	13	3995	32155	7
20	Laksar	2	11	20	1420	1420	13780	10	863400	608	0	1420	0	0
21	Hadwani (Urban)	16	11	499	50561	14081	531271	11	9676931	191	182	14081	155337	3
22	Haldwani (Rural)	2	11	62	6427	2267	89705	14	2916190	454	0	2267	0	0
23	Nainital	10	11	103	15219	12936	128563	8	11529990	758	431	12936	538589	35
24	Ramnagar	4	11	299	15995	12225	934835	58	15112707	945	124	15995	481085	30
25	Kashipur	10	11	199	30695	30695	621540	20	45866500	1494	145	30695	440619	14
26	Bazpur	7	11	436	15134	15134	913990	60	32002145	2115	47	15134	110328	7
27	Jaspur	4	11	133	11368	11368	384906	34	11650020	1025	26	11368	75048	7
28	Rudrapur	23	11	104	75500	75500	336400	4	1706500	23	81	75500	275300	4
29	Sitraganj	26	11	132	31517	31517	225322	7	1543176	49	41	31517	63133	2
30	Almora	11	11	537	5008	5009	36134	7	4801412	959	55	5016	21132	4
31	Bageshwar	1	11	130	4158	4158	540540	130	11584188	2786	12	4158	49896	12
32	Ranikhet	5	11	100	2639	2639	85458	32	1275129	483	13	2639	8403	3
33	Pithoragarh	10	11	467	558	410	23427	42	1464250	2624	202	410	9261	17
34	Dharchula	4	11	133	6185	6185	203748	33	35584116	5753	60	6185	91999	15
35	Champawat	5	11	72	8940	8940	133752	15	31860164	3564	49	8940	81746	9
	UPCL	405	11	12264	903533	694993	23538439	26	1255315630	1389	4403	706849	6297978	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of June 2017

SI No	Name of Electricity Distribution Division	No. of Rural Feeders	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI Calculation		SAIDI Calculation		MAIFI Calculation			
							$\sum A_i \times N_i$ for Division	SAIFI	$\sum B_i \times N_i$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum C_i \times N_i$ for Division	MAIFI
								Nos.		Min				Nos.
							1	2	3	4	5	6	7	8=7/5
1	Dehradun (Rural)	49	11	2120	191489	96417	5688912	30	177987527	929	1284	96417	3111945	16
2	Vikasnagar	29	11	930	49117	41032	2060416	42	2354793540	47943	30	41032	80990	2
3	Rishikesh	12	11	506	12226	12026	515032	42	3035362	248	54	12026	54164	4
4	Uttarkashi	23	11	653	35952	29711	982878	27	27719363	771	356	29711	560265	16
5	Doiwala	15	11	534	13936	13936	727423	52	20886732	1499	145	13936	178732	13
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	27	11	932	16275	8138	303212	19	10963716	674	209	8138	70250	4
10	Pauri	31	11	916	40428	15284	570120	14	24461069	605	303	14268	171372	4
11	Tehri	59	11	1619	93327	93264	3734804	40	182004628	1950	258	97755	321708	3
12	Gopeshwar	12	11	616	11660	11660	635784	55	36728608	3150	258	11660	223318	19
13	Narayanbagar	19	11	1251	29209	29209	2301947	79	94542382	3237	270	29209	529622	18
14	Kotdwar	49	11	3226	75059	30980	2056166	27	52757367	703	444	30980	284375	4
15	Rudraprayag	17	11	353	4076	747	16482	4	932386	229	554	747	27106	7
16	Roorkee(Urban)	17	11	943	43923	25903	1743769	40	64211024	1462	808	25903	1006683	23
17	Roorkee(Rural)	64	11	5340	150676	136555	11888665	79	596384098	3958	687	130965	1614490	11
18	Haridwar(Urban)	6	11	176	12929	8768	469198	36	12261683	948	167	8768	434250	34
19	Haridwar(Rural)	80	11	2447	176529	160477	5800117	33	200107230	1134	478	160477	1269940	7
20	Laksar	20	11	2083	18183	18183	1750615	96	63476260	3491	62	18183	59634	3
21	Haldwani (Urban)	4	11	104	13273	1580	58856	4	1290696	97	56	1580	31532	2
22	Haldwani (Rural)	35	11	1573	172763	60938	3385965	20	54436696	315	430	60938	793837	5
23	Nainital	29	11	523	13127	11158	310440	24	14446516	1101	1263	11158	663991	51
24	Ramnagar	15	11	451	22585	22304	808331	36	40916484	1812	501	22585	1014865	45
25	Kashipur	22	11	438	53811	53811	1129492	21	165154871	3069	298	53811	846037	16
26	Bazpur	18	11	979	41195	41195	2608701	63	146189078	3549	69	41195	161315	4
27	Jaspur	27	11	941	41637	41637	1765173	42	102798190	2469	164	41637	348337	8
28	Rudrapur	106	11	400	263970	254390	880730	3	4394650	17	322	263970	733200	3
29	Sitraganj	33	11	317	71862	67722	700051	10	4778848	67	75	67722	179854	3
30	Almora	22	11	2540	9557	9212	1121838	117	24270053	2540	471	9557	206351	22
31	Bageshwar	22	11	1740	39169	39169	3363540	86	106450895	2718	383	39169	712555	18
32	Ranikhet	27	11	868	8968	8968	420761	47	8166403	911	212	8968	114247	13
33	Pithoragarh	30	11	1012	1189	902	33421	28	1441010	1212	659	902	20282	17
34	Dharchula	19	11	559	19842	19842	659076	33	115236975	5808	328	19842	347645	18
35	Champawat	18	11	268	23091	23091	358499	16	99389236	4304	168	23091	206265	9
	UPCL	956	11	37358	1771033	1388207	58850414	33	4812613575	2717	11766	1396298	16379158	9