

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of March 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
1	Dehradun (Rural)	5	11	40	8891	7595	84128	9	4069810	458	57	7595	69722	8
2	Vikasnagar	6	11	211	17271	15097	14678	1	33136154	1919	16	15097	39209	2
3	Rishikesh	17	11	629	18350	17907	656612	36	4699693	256	74	17907	65083	4
4	Uttarkashi	10	11	240	17327	13027	337620	19	21344828	1232	271	13027	400178	23
5	Doiwala	3	11	0	0	0	0	0	0	0	0	0	0	0
6	Dehradun (North)	35	11	300	44460	44460	497507	11	1048811	24	358	46177	561974	13
7	Dehradun (South)	19	11	270	42138	34524	557907	13	13636278	324	222	34053	470260	11
8	Dehradun (Central)	23	11	213	47579	47579	504813	11	16216826	341	184	46931	411083	9
9	Srinagar	5	11	88	4648	2324	60502	13	1408612	303	17	2324	8648	2
10	Pauri	10	11	238	21079	8490	249689	12	5784250	274	39	14364	69133	3
11	Tehri	14	11	325	30198	30198	1014121	34	47154385	1562	263	30198	1022241	34
12	Gopeshwar	8	11	244	5328	5328	218427	41	9472360	1778	270	5328	144387	27
13	Narayanbagar	4	11	78	4989	4989	128203	26	3786635	759	19	4989	28609	6
14	Kotdwar	6	11	234	13793	5353	297697	22	5554215	403	31	5353	23247	2
15	Rudraprayag	3	11	34	845	359	6901	8	120980	143	64	359	9301	11
16	Roorkee(Urban)	25	11	760	61767	41878	1420125	23	31759450	514	185	41878	373095	6
17	Roorkee(Rural)	3	11	336	3858	3858	408798	106	12677274	3286	31	3853	37599	10
18	Haridwar(Urban)	44	11	660	215595	104921	2127294	10	57078970	265	178	104921	499150	2
19	Haridwar(Rural)	2	11	63	4004	3640	139776	35	4812808	1202	6	3640	15288	4
20	Laksar	2	11	315	6341	6341	925873	146	36866785	5814	8	6341	20665	3
21	Hadwani (Urban)	16	11	467	48415	12304	447311	9	10900262	225	124	12304	93700	2
22	Haldwani (Rural)	2	11	57	6082	1539	57333	9	1933459	318	1	1539	1411	0
23	Nainital	10	11	65	16740	14229	96042	6	14449286	863	400	14229	597951	36
24	Ramnagar	4	11	188	15995	12225	584520	37	8298180	519	47	15995	190850	12
25	Kashipur	10	11	156	30582	30582	481507	16	48654532	1591	99	30582	293098	10
26	Bazpur	7	11	353	15995	15995	799715	50	37996755	2376	22	15995	53710	3
27	Jaspur	4	11	132	11368	11368	395428	35	16047480	1412	16	11368	48410	4
28	Rudrapur	21	11	80	71900	71900	287300	4	1436500	20	5	71900	27100	0
29	Sitraganj	27	11	66	32353	32353	90459	3	1094942	34	44	32353	69502	2
30	Almora	18	11	1133	9176	9176	677090	74	14424029	1572	0	9176	0	0
31	Bageshwar	1	11	94	4155	4155	390570	94	6224190	1498	7	4155	29085	7
32	Ranikhet	5	11	49	2963	2963	46815	16	918865	310	21	2963	16597	6
33	Pithoragarh	10	11	499	558	410	24656	44	1025400	1838	199	410	9157	16
34	Dharchula	4	11	40	6179	6179	67751	11	15255078	2469	68	6179	106976	17
35	Champawat	5	11	86	8935	8954	161311	18	32323253	3618	44	8954	78069	9
	UPCL	388	11	8743	849857	632199	14258478	17	521611336	614	3390	642436	5884489	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of March 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)	46	11	1008	161670	83318	2310637	14	62642537	387	852	83318	2220513	14
2	Vikasnagar	29	11	1238	49117	41032	40361	1	119679779	2437	89	41032	134508	3
3	Rishikesh	12	11	459	11932	11705	451830	38	2803312	235	39	11705	37286	3
4	Uttarkashi	23	11	774	35952	29711	976047	27	41495603	1154	731	29711	954149	27
5	Doiwala	15	11	282	9549	9549	427211	45	14906385	1561	106	9549	147362	15
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	25	11	388	16048	8024	146064	9	6906907	430	97	8024	33360	2
10	Pauri	29	11	470	42573	15213	298173	7	9423082	221	107	14225	58771	1
11	Tehri	60	11	1564	99790	99790	3878441	39	202913446	2033	425	99790	1051598	11
12	Gopeshwar	12	11	574	13652	13652	766633	56	51948581	3805	216	13652	107270	8
13	Narayanbagar	19	11	507	29209	29209	509371	17	116942381	4004	149	29209	241393	8
14	Kotdwar	48	11	2193	55078	30564	1445656	26	52751795	958	331	30564	196500	4
15	Rudraprayag	19	11	364	6017	1451	36623	6	1109308	184	337	1444	36737	6
16	Roorkee(Urban)	17	11	1193	36860	24851	1708927	46	61373078	1665	277	24851	410872	11
17	Roorkee(Rural)	61	11	5791	98005	87384	8316083	85	441291471	4503	668	80180	860175	9
18	Haridwar(Urban)	6	11	156	12929	9260	455055	35	10432340	807	147	9260	404050	31
19	Haridwar(Rural)	80	11	1536	153700	139725	3489218	23	157543150	1025	308	139725	748196	5
20	Laksar	20	11	2248	44840	44840	6083495	136	301845240	6732	73	44840	210265	5
21	Haldwani (Urban)	4	11	123	5878	1438	61110	10	1217488	207	20	1334	7470	1
22	Haldwani (Rural)	35	11	969	172066	43539	1427285	8	25535489	148	161	43539	209597	1
23	Nainital	29	11	258	15202	12922	163321	11	11850881	780	1035	26739	800424	53
24	Ramnagar	15	11	326	22585	22304	656028	29	29295528	1297	181	22585	359516	16
25	Kashipur	22	11	419	53378	53378	1111204	21	175739851	3292	272	53378	727248	14
26	Bazpur	18	11	748	41179	41179	1998447	49	86014592	2089	57	41179	137812	3
27	Jaspur	27	11	830	41637	41637	1522224	37	94699962	2274	124	41637	229555	6
28	Rudrapur	79	11	288	170760	170760	623200	4	3116000	18	5	170760	17530	0
29	Sitranganj	33	11	98	62882	62882	212701	3	3698144	59	102	62882	219568	3
30	Almora	15	11	1527	6390	6001	628313	98	14669962	2296	166	6390	73174	11
31	Bageshwar	22	11	1437	36223	36223	2851711	79	65322020	1803	236	36223	461909	13
32	Ranikhet	27	11	803	10086	10086	413933	41	17274224	1713	149	10086	75391	7
33	Pithoragarh	27	11	932	1123	865	32669	29	1108200	987	606	865	19368	17
34	Dharchula	19	11	187	19791	19791	205891	10	51610475	2608	313	19791	337583	17
35	Champawat	18	11	368	23631	23948	531870	23	106223813	4495	185	23948	248375	11
	UPCL	911	11	30058	1559732	1226230	43779732	28	2343385023	1502	8564	1232414	11777525	8