

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of February 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	72	8866	7595	170621	19	2851192	322	56	7595	72870	8
2	Vikasnagar	6	11	220	17138	15055	14678	1	33391360	1948	16	15055	40326	2
3	Rishikesh	17	11	650	18248	17494	659845	36	4536385	249	80	17494	71098	4
4	Uttarkashi	10	11	265	17327	13027	371301	21	21495748	1241	301	13027	438302	25
5	Doiwala	3	11	0	0	0	0	0	0	0	0	0	0	0
6	Dehradun (North)	38	11	347	46177	46177	556433	12	15392641	333	295	41694	548583	12
7	Dehradun (South)	23	11	284	49612	43093	592367	12	9738339	196	210	44022	395904	8
8	Dehradun (Central)	25	11	212	48194	48194	453987	9	10120740	210	197	48518	403384	8
9	Srinagar	5	11	86	5134	2567	60842	12	1571485	306	8	2567	4437	1
10	Pauri	10	11	245	21074	8480	232384	11	4042582	192	18	14357	25775	1
11	Tehri	14	11	315	30198	30198	1010042	33	41978285	1390	259	30198	1016558	34
12	Gopeshwar	8	11	201	6769	6769	229358	34	10118169	1495	119	6769	129003	19
13	Narayanbagar	4	11	78	4989	4989	128203	26	3786635	759	19	4989	28609	6
14	Kotdwar	6	11	309	28102	14003	767034	27	39346190	1400	164	28102	770749	27
15	Rudraprayag	3	11	22	1017	391	4418	4	89880	88	48	391	7174	7
16	Roorkee(Urban)	23	11	910	61085	40338	1733181	28	38744174	634	390	40338	871548	14
17	Roorkee(Rural)	3	11	429	13100	13100	1899700	145	73244200	5591	49	13100	250500	19
18	Haridwar(Urban)	44	11	535	215295	104779	1625153	8	42320708	197	163	104779	475097	2
19	Haridwar(Rural)	2	11	44	4270	3882	105780	25	3013212	706	7	3882	16983	4
20	Laksar	2	11	103	1130	1130	61330	54	10033900	8880	3	1130	1980	2
21	Hadwani (Urban)	16	11	419	48415	12468	396071	8	8350558	172	54	12468	37288	1
22	Haldwani (Rural)	2	11	34	4827	1218	25516	5	451960	94	0	1218	0	0
23	Nainital	10	11	33	15332	13032	44257	3	7858601	513	219	13032	290450	19
24	Ramnagar	4	11	186	15995	12225	544170	34	6222696	389	42	15995	189495	12
25	Kashipur	10	11	160	30582	30582	486619	16	49125721	1606	93	30582	278343	9
26	Bazpur	7	11	268	15958	13191	482980	30	15755370	987	25	13191	48073	3
27	Jaspur	4	11	138	11368	11368	401432	35	14969352	1317	21	11368	64662	6
28	Rudrapur	21	11	74	71900	71900	261500	4	1307500	18	5	71900	27100	0
29	Sitraganj	27	11	56	28800	28800	54692	2	403706	14	36	197440	54377	2
30	Almora	18	11	1130	9176	9176	673858	73	14694382	1601	0	9176	0	0
31	Bageshwar	1	11	119	4153	4153	494207	119	9223813	2221	21	4153	87213	21
32	Ranikhet	5	11	38	3661	3661	49804	14	126626	35	18	18	16149	4
33	Pithoragarh	10	11	525	558	410	26431	47	1442560	2585	200	410	9184	16
34	Dharchula	4	11	31	6179	6179	51685	8	16326237	2642	65	6179	101145	16
35	Champawat	5	11	86	8935	8954	161311	18	32323253	3618	44	8954	78069	9
UPCL		395	11	8624	873562	648577	14831190	17	544398159	623	3245	834090	6850427	8

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of February 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	950	161465	83318	2362152	15	61589674	381	689	39512	1792424	11
2	Vikasnagar	29	11	1266	48933	40965	40361	1	120857298	2470	109	40965	173613	4
3	Rishikesh	12	11	485	12006	11705	476638	40	2854992	238	41	11705	40257	3
4	Uttarkashi	23	11	670	35952	29711	841369	23	39610822	1102	797	29711	1037411	29
5	Doiwala	15	11	257	9549	9549	342784	36	20825108	2181	78	9549	107469	11
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	25	11	260	17085	8542	108129	6	3772236	221	44	8542	17733	1
10	Pauri	29	11	442	42544	15195	365605	9	8504435	200	103	14216	63839	2
11	Tehri	60	11	1330	99753	99753	3574013	36	184453433	1849	350	99753	917350	9
12	Gopeshwar	12	11	314	14186	14186	428304	30	21513201	1516	79	14186	93522	7
13	Narayanbagar	19	11	507	29209	29209	509371	17	116942381	4004	149	29209	241393	8
14	Kotdwar	48	11	1453	99213	62443	2388216	24	142272715	1434	930	99356	2143636	22
15	Rudraprayag	19	11	183	1614	1070	28851	18	548830	340	88	1063	23485	15
16	Roorkee(Urban)	17	11	1250	39825	24181	1697984	43	80777111	2028	358	24181	565368	14
17	Roorkee(Rural)	61	11	5682	142012	131391	12047968	85	764705413	5385	544	127777	1281061	9
18	Haridwar(Urban)	6	11	107	12929	9260	327238	25	9839703	761	102	9260	281790	22
19	Haridwar(Rural)	80	11	1044	144931	131751	2356322	16	99678326	688	218	131751	468879	3
20	Laksar	20	11	1529	28090	28090	3149935	112	156359890	5566	78	28090	164645	6
21	Haldwani (Urban)	4	11	80	5878	1509	42217	7	718193	122	19	1334	7682	1
22	Haldwani (Rural)	35	11	826	173002	43656	1256600	7	20580245	119	135	43656	176109	1
23	Nainital	29	11	88	14960	12716	61376	4	4675442	313	566	26064	408551	27
24	Ramnagar	15	11	279	22585	22304	536428	24	18057946	800	95	22585	174288	8
25	Kashipur	22	11	450	53378	53378	1209356	23	169305230	3172	270	53378	722063	14
26	Bazpur	18	11	441	41106	37518	1069306	26	43319333	1054	64	37518	140947	3
27	Jaspur	27	11	679	41637	41637	1276224	31	75564083	1815	181	41637	347258	8
28	Rudrapur	79	11	293	170760	170760	689100	4	3445500	20	5	170760	17530	0
29	Sitraganj	33	11	131	52082	52082	232965	4	2801344	54	78	52082	139632	3
30	Almora	15	11	1547	6390	6001	636553	100	14744646	2307	176	6390	76734	12
31	Bageshwar	22	11	1024	39076	39076	2026634	52	45249586	1158	200	39076	382742	10
32	Ranikhet	27	11	528	10492	10492	262857	25	7912124	754	100	100	56214	5
33	Pithoragarh	27	11	951	1123	865	32901	29	1146070	1021	612	865	19626	17
34	Dharchula	19	11	205	19791	19791	224678	11	53794782	2718	298	19791	307058	16
35	Champawat	18	11	368	23631	23948	531870	23	106223813	4495	185	23948	248375	11
	UPCL	911	11	25619	1615187	1266052	41134304	25	2402643905	1488	7741	1258011	12638684	8