

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of April 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)	6	11	133	9782	8486	158156	16	4435032	453	90	8486	117394	12
2	Vikasnagar	6	11	203	17271	15097	14678	1	20322771	1177	4	15097	6568	0
3	Rishikesh	17	11	666	18644	17782	700235	38	4767907	256	83	17782	73385	4
4	Uttarkashi	10	11	189	17327	13027	328953	19	12441656	718	69	13027	103197	6
5	Doiwala	3	11	1	2461	2461	2461	1	61525	25	0	2461	0	0
6	Dehradun (North)	37	11	549	45157	45157	781216	17	27197158	602	434	45157	610071	14
7	Dehradun (South)	37	11	728	84153	77952	1526535	18	38486533	457	514	77875	1098197	13
8	Dehradun (Central)	27	11	428	59575	59575	913881	15	23716212	398	266	53747	614218	10
9	Srinagar	5	11	107	4551	2275	55943	12	1753953	385	6	2275	3271	1
10	Pauri	10	11	258	21105	8501	266489	13	6222464	295	32	14364	57180	3
11	Tehri	14	11	313	30198	30198	963376	32	41755637	1383	267	30198	1038645	34
12	Gopeshwar	8	11	400	5717	5717	336159	59	15320571	2680	192	5717	123108	22
13	Narayanbagar	5	11	32	8223	8223	59905	7	10367711	1261	80	8223	187811	23
14	Kotdwar	6	11	286	13793	5778	368346	27	6120105	444	41	5778	17151	1
15	Rudraprayag	3	11	23	586	91	774	1	36730	63	58	91	2742	5
16	Roorkee(Urban)	25	11	1364	63653	43918	2577396	40	58768703	923	164	43918	357386	6
17	Roorkee(Rural)	4	11	582	15600	15600	2271000	146	64041300	4105	89	15600	329700	21
18	Haridwar(Urban)	44	11	1008	215891	105070	2982842	14	101851843	472	225	105070	583288	3
19	Haridwar(Rural)	2	11	109	4360	3963	234786	54	9310440	2135	16	3963	34211	8
20	Laksar	2	11	71	4840	4840	169180	35	8635000	1784	7	4840	14300	3
21	Hadwani (Urban)	16	11	490	50561	12400	462228	9	10357021	205	114	12400	83339	2
22	Haldwani (Rural)	2	11	57	6643	130	4650	1	155290	23	1	130	110	0
23	Nainital	10	11	80	14999	12749	104120	7	12719001	848	444	12749	573804	38
24	Ramnagar	4	11	264	15995	12225	802720	50	15893556	994	70	15995	271475	17
25	Kashipur	10	11	165	30695	30695	505034	16	46966169	1530	119	30695	354541	12
26	Bazpur	7	11	341	16029	16029	800375	50	40142400	2504	30	16029	76669	5
27	Jaspur	4	11	140	11368	11368	394274	35	27408560	2411	34	11368	96730	9
28	Rudrapur	30	11	91	84150	84150	289250	3	1480500	18	5	84150	31977	0.4
29	Sitraganj	27	11	66	29666	29469	95024	3	998192	34	57	198109	85814	3
30	Almora	11	11	582	4848	4849	46960	10	5855377	1208	32	3511	9856	2
31	Bageshwar	1	11	91	4156	4156	378196	91	5851648	1408	14	4156	58184	14
32	Ranikhet	5	11	105	2963	2963	80636	27	1734837	586	41	2963	31493	11
33	Pithoragarh	10	11	509	558	410	25258	45	1038440	1861	223	410	10162	18
34	Dharchula	4	11	58	6179	6179	87849	14	11355072	1838	329	6179	117359	19
35	Champawat	5	11	82	8926	9111	158439	18	32595522	3652	56	9111	89323	10
<b>UPCL</b>		<b>417</b>	<b>11</b>	<b>10571</b>	<b>930621</b>	<b>710593</b>	<b>18947323</b>	<b>20</b>	<b>670164837</b>	<b>720</b>	<b>4206</b>	<b>881623</b>	<b>7262659</b>	<b>8</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of April 2017

Sl 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	1797	180739	87522	3374850	19	122969741	680	1189	87522	2383714	13
2	Vikasnagar	29	11	1011	49117	41032	40361	1	62908504	1281	66	41032	73200	1
3	Rishikesh	12	11	515	12226	11591	503622	41	2743951	224	58	11591	55872	5
4	Uttarkashi	23	11	555	35952	29711	817109	23	31828839	885	245	29711	313317	9
5	Doiwala	15	11	395	13321	13321	554117	42	20193407	1516	94	13321	127133	10
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	26	11	579	15611	7806	194630	12	7790746	499	133	7806	44728	3
10	Pauri	29	11	607	41001	15299	344356	8	13393910	327	197	13682	93591	2
11	Tehri	60	11	1699	94107	94107	3894842	41	209384725	2225	400	97845	921804	10
12	Gopeshwar	12	11	579	9862	9862	551008	56	30528723	3096	284	9862	195901	20
13	Narayanbagar	19	11	208	25976	25976	979427	38	79464164	3059	532	25976	480809	19
14	Kotdwar	48	11	2738	57043	29958	1717627	30	55760345	978	344	29958	206261	4
15	Rudraprayag	19	11	222	4495	434	10557	2	505527	112	333	426	18850	4
16	Roorkee(Urban)	17	11	1605	40115	24533	2196558	55	98119722	2446	461	24533	653427	16
17	Roorkee(Rural)	63	11	5810	148888	134767	12534132	84	596258402	4005	647	130811	1716285	12
18	Haridwar(Urban)	6	11	170	12929	9260	501824	39	19103775	1478	168	9260	451890	35
19	Haridwar(Rural)	80	11	2177	166249	151128	4902006	29	188300040	1133	396	151128	970531	6
20	Laksar	20	11	1504	45620	45620	3618185	79	189820245	4161	55	45620	169320	4
21	Haldwani (Urban)	4	11	125	13273	1490	66360	5	985243	74	47	1490	24880	2
22	Haldwani (Rural)	35	11	1219	172506	3376	141278	1	2814777	16	309	3376	31182	0
23	Nainital	29	11	327	15096	12833	206895	14	19137931	1268	1354	12833	792162	52
24	Ramnagar	15	11	464	22585	22304	1042601	46	42015359	1860	279	22585	541066	24
25	Kashipur	22	11	440	53811	53811	1207085	22	174446616	3242	291	53811	808643	15
26	Bazpur	18	11	750	41146	41146	1993758	48	129655942	3151	64	41146	140852	3
27	Jaspur	27	11	1019	41637	41637	1846747	44	170839847	4103	180	41637	359284	9
28	Rudrapur	79	11	300	182120	172540	651380	4	3229900	18	5	172540	17254	0.1
29	Sitranganj	33	11	106	61036	56866	195586	3	2033456	33	88	56866	179531	3
30	Almora	22	11	2221	9813	9409	1016350	104	22051604	2247	233	6218	99119	10
31	Bageshwar	22	11	1974	39131	39131	3818553	98	103349191	2641	483	39131	906701	23
32	Ranikhet	27	11	948	8776	8776	420683	48	11643093	1327	257	8776	123236	14
33	Pithoragarh	30	11	1005	1189	902	33171	28	1077980	907	653	902	20313	17
34	Dharchula	19	11	233	19791	19791	258415	13	36705732	1855	329	19791	388141	20
35	Champawat	18	11	304	23311	24750	426598	18	109479553	4696	184	24750	226991	10
	<b>UPCL</b>	<b>927</b>	<b>11</b>	<b>33606</b>	<b>1658472</b>	<b>1240688</b>	<b>50060670</b>	<b>30</b>	<b>2558540990</b>	<b>1543</b>	<b>10358</b>	<b>1235935</b>	<b>13535989</b>	<b>8</b>