

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of September 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	154	9817	9817	281756	29	5196925	529	126	7270	290801	30
2	Vikasnagar	6	11	172	17589	14529	518128	29	13087536	744	19	14529	64498	4
3	Rishikesh	17	11	483	16979	16135	456179	27	4271100	252	71	16135	66072	4
4	Uttarkashi	10	11	312	17327	13027	476099	27	9666995	558	25	13027	35638	2
5	Doiwala	3	11	139	4199	4199	198437	47	5749115	1369	61	4199	79725	19
6	Dehradun (North)	39	11	718	46183	46183	1027110	22	21827471	473	561	45535	792038	17
7	Dehradun (South)	35	11	777	79786	79786	1911673	24	42726999	536	645	81599	1572582	20
8	Dehradun (Central)	32	11	440	60090	60090	933799	16	37329110	621	370	59575	739107	12
9	Srinagar	5	11	148	4324	2162	67441	16	1953668	452	40	2162	17797	4
10	Pauri	7	11	212	16171	5887	133522	8	2487660	154	36	7331	53190	3
11	Tehri	15	11	124	29942	29757	282921	9	6812537	228	34	29757	88092	3
12	Gopeshwar	8	11	195	6105	6105	163140	27	9121383	1494	33	6105	27498	5
13	Narayanbagar	6	11	232	8382	9973	405284	48	20973049	2502	23	9973	47478	6
14	Kotdwar	6	11	381	16040	7820	592521	37	12063618	752	38	7820	48731	3
15	Rudraprayag	4	11	40	1242	316	3120	3	288200	232	65	146	2540	2
16	Roorkee(Urban)	25	11	1332	58931	58931	3560412	60	81629547	1385	287	58931	729067	12
17	Roorkee(Rural)	4	11	405	15600	15600	1607700	103	58381500	3742	176	15600	772000	49
18	Haridwar(Urban)	43	11	1087	4507	3034	92206	20	2728895	605	566	3034	50920	11
19	Haridwar(Rural)	2	11	68	2058	1871	66419	32	3591467	1745	23	1871	29464	14
20	Laksar	2	11	94	3520	3520	166240	47	182284	52	20	3520	36800	10
21	Hadwani (Urban)	20	11	784	56223	14635	650301	12	13180637	234	201	14635	149260	3
22	Haldwani (Rural)	2	11	74	4220	8398	107350	25	3540208	839	21	8398	32221	8
23	Nainital	10	11	288	24796	14862	451393	18	9135709	368	87	14862	125958	5
24	Ramnagar	4	11	228	15995	12225	676075	42	15636360	978	138	15995	522295	33
25	Kashipur	10	11	380	30695	30695	1201724	39	45450101	1481	175	30695	539147	18
26	Bazpur	7	11	240	15163	15163	522185	34	18063397	1191	48	15163	117784	8
27	Jaspur	4	11	105	11368	11368	310620	27	11864608	1044	25	11368	72002	6
28	Rudrapur	25	11	209	59423	59423	515890	9	2171250	37	0	59423	0	0
29	Sitraganj	26	11	78	37948	33876	104528	3	770556	20	25	33876	44030	1
30	Almora	11	11	545	5263	5263	284905	54	4059756	771	16	5263	7385	1
31	Bageshwar	1	11	106	4161	4161	441066	106	4768506	1146	18	4161	74898	18
32	Ranikhet	6	11	91	3077	2575	68874	22	1367798	445	34	2575	21313	7
33	Pithoragarh	10	11	499	30880	30880	1768640	57	54046000	1750	63	30880	216240	7
34	Dharchula	6	11	395	6982	3356	241022	35	23087859	3307	90	3356	48626	7
35	Champawat	6	11	123	11092	11092	241508	22	32413296	2922	64	11092	113098	10
UPCL		423	11	11658	736078	646714	20530187	28	579625099	787	4224	649861	7628296	10

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of September 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)	52	11	2109	192629	134614	7027278	36	189737098	985	1201	83772	5120229	27
2	Vikasnagar	29	11	612	50380	38804	1024691	20	23409888	465	159	38804	150697	3
3	Rishikesh	12	11	319	12286	11339	307904	25	1913961	156	47	11339	44496	4
4	Uttarkashi	23	11	514	35952	29711	714736	20	11781196	328	35	29711	43972	1
5	Doiwala	16	11	487	14839	14674	639632	43	20033675	1350	217	14674	249816	17
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	28	11	914	16389	8194	300394	18	10443445	637	186	8194	59643	4
10	Pauri	31	11	1112	46530	17457	743041	16	19047290	409	396	15093	269583	6
11	Tehri	61	11	2003	102022	101959	5135154	50	192621658	1888	262	101959	274523	3
12	Gopeshwar	15	11	686	8826	8826	480563	54	29903756	3388	166	8826	102785	12
13	Narayanbagar	22	11	1045	24581	25884	1460500	59	78500518	3194	207	25884	356532	15
14	Kotdwar	51	11	3473	80046	32720	2621756	33	78637706	982	716	32720	589241	7
15	Rudraprayag	17	11	435	6671	2251	87672	13	3117997	467	548	2233	70793	11
16	Roorkee(Urban)	18	11	870	39267	39267	2344263	60	106930565	2723	755	39267	1430233	36
17	Roorkee(Rural)	31	11	2437	103581	89460	7150624	69	337010700	3254	580	89460	1794926	17
18	Haridwar(Urban)	5	11	239	366	215	16108	44	666549	1821	130	215	8176	22
19	Haridwar(Rural)	63	11	1622	99743	90672	2750638	28	100682422	1009	256	90672	493166	5
20	Laksar	20	11	2488	25225	25225	3237765	128	1797449	71	139	25225	179770	7
21	Haldwani (Urban)	4	11	145	5878	1432	70036	12	1294692	220	48	1334	24394	4
22	Haldwani (Rural)	35	11	1391	175895	88724	2245488	13	38726526	220	360	88724	663699	4
23	Nainital	29	11	1025	43768	14652	773558	18	16093378	368	432	14652	310265	7
24	Ramnagar	15	11	840	22585	22304	1453240	64	39479733	1748	423	22585	791685	35
25	Kashipur	34	11	1044	107441	107441	2968020	28	111262823	1036	400	107441	968995	9
26	Bazpur	18	11	541	41270	41270	1464051	35	68847803	1668	140	41270	357811	9
27	Jaspur	27	11	950	41637	41637	1601600	38	94533799	2270	185	41637	345362	8
28	Rudrapur	104	11	536	257122	257122	1376146	5	5928595	23	10	257122	36088	0.1
29	Sitraganj	34	11	100	68666	55565	185221	3	1140452	17	63	55565	115160	2
30	Almora	25	11	1777	11433	12306	910131	80	24637170	2155	24	12306	13842	1
31	Bageshwar	22	11	1907	39225	39225	3787827	97	84432897	2153	346	39225	672419	17
32	Ranikhet	29	11	1065	11351	8629	464772	41	10906349	961	220	8629	102192	9
33	Pithoragarh	33	11	1704	47520	47520	2806530	59	58850450	1238	193	47520	284440	6
34	Dharchula	22	11	1291	21520	8276	571747	27	46256660	2149	520	8276	231157	11
35	Champawat	20	11	370	26583	26583	507204	19	86577017	3257	262	26583	293500	11
	UPCL	945	11	36051	1781226	1443958	57228290	32	1895204218	1064	9626	1390917	16449589	9