

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of August 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	238	9197	9197	379717	41	5768414	627	171	9197	281984	31
2	Vikasnagar	6	11	203	17589	14529	602174	34	15330748	872	11	14529	42482	2
3	Rishikesh	17	11	486	16807	15898	450074	27	4298357	256	81	15898	64204	4
4	Uttarkashi	10	11	276	17327	13027	433452	25	10793132	623	74	13027	126060	7
5	Doiwala	3	11	164	4355	4355	247463	57	6916065	1588	58	4355	79810	18
6	Dehradun (North)	39	11	1017	46183	46183	1383643	30	31541604	683	848	45892	1161964	25
7	Dehradun (South)	35	11	1143	81599	81128	2789054	34	58541571	717	881	80526	2161558	26
8	Dehradun (Central)	29	11	303	58115	58115	627061	11	14421237	248	333	59579	676459	12
9	Srinagar	5	11	145	4210	2105	60032	14	1679258	399	11	2105	3547	1
10	Pauri	9	11	434	20243	7750	352297	17	6353088	314	70	10138	118698	6
11	Tehri	14	11	127	29942	29757	331430	11	8811597	294	38	28613	77712	3
12	Gopeshwar	8	11	339	7044	7044	307188	44	12202184	1732	74	7044	74315	11
13	Narayanbagar	6	11	353	8382	8233	466650	56	13927196	1662	83	8233	111028	13
14	Kotdwar	6	11	455	16040	7820	747431	47	37042177	2309	649	7820	74581	5
15	Rudraprayag	4	11	25	907	101	1512	2	90273	100	88	101	5067	6
16	Roorkee(Urban)	25	11	1453	61386	61386	3987763	65	82205905	1339	296	61386	786144	13
17	Roorkee(Rural)	4	11	619	15600	15600	2298700	147	68884700	4416	215	15600	691800	44
18	Haridwar(Urban)	43	11	1591	4747	3663	154464	33	4983828	1050	901	3663	94293	20
19	Haridwar(Rural)	2	11	83	2339	2127	97101	42	3035022	1298	41	2127	60844	26
20	Laksar	2	11	46	3000	3000	68200	23	63040	21	37	3000	55000	18
21	Hadwani (Urban)	20	11	848	48415	18565	1121273	23	23697297	489	296	18565	264902	5
22	Haldwani (Rural)	2	11	91	7868	3946	132087	17	3501799	445	15	3946	26603	3
23	Nainital	10	11	341	24788	14733	483450	20	19801536	799	134	14733	189553	8
24	Ramnagar	4	11	313	15995	12225	974760	61	18397455	1150	137	15995	545745	34
25	Kashipur	10	11	410	30695	30695	1307446	43	48729672	1588	144	30695	442821	14
26	Bazpur	7	11	376	15154	15154	817388	54	23252751	1534	64	15154	158710	10
27	Jaspur	4	11	128	11368	11368	378926	33	12563290	1105	30	11368	86790	8
28	Rudrapur	25	11	311	59423	59423	789739	13	2654530	45	0	59423	0	0
29	Sitraganj	26	11	102	37948	34200	155098	4	1344832	35	27	34200	59760	2
30	Almora	11	11	691	5263	5263	340629	65	5791904	1101	21	5263	10802	2
31	Bageshwar	1	11	128	4160	4160	532480	128	9110400	2190	23	4160	95680	23
32	Ranikhet	6	11	129	2688	2688	121520	45	1407587	524	31	2688	26652	10
33	Pithoragarh	10	11	224	30880	30880	845940	27	25748000	834	98	30880	354740	11
34	Dharchula	6	11	379	6384	3113	209696	33	20090896	3147	96	3113	48856	8
35	Champawat	5	11	110	8940	8940	183240	20	32129640	3594	83	8940	145488	16
UPCL		420	11	14081	734981	646370	24179076	33	635110982	864	6159	651955	9204649	13

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of August 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	2422	192489	145081	8482240	44	243795092	1267	1931	145081	6521675	34
2	Vikasnagar	29	11	697	50380	38804	1176731	23	28038027	557	6	38804	16548	0.3
3	Rishikesh	12	11	374	12187	11348	361731	30	2009114	165	46	11348	43959	4
4	Uttarkashi	23	11	512	35952	29711	708262	20	18663446	519	140	29711	195660	5
5	Doiwala	16	11	618	14421	14421	819173	57	25287659	1754	233	14421	282156	20
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	28	11	1112	18299	9150	397592	22	12069659	660	233	9150	86372	5
10	Pauri	31	11	1237	42458	15592	794532	19	26408810	622	342	12286	183689	4
11	Tehri	61	11	1973	102022	101959	5108953	50	190511130	1867	228	101099	228421	2
12	Gopeshwar	14	11	694	10461	10461	521550	50	34955634	3341	211	10461	137877	13
13	Narayanbagar	22	11	1576	27951	27647	2656297	95	131947916	4721	381	27647	695923	25
14	Kotdwar	53	11	4166	80046	33006	2984515	37	105251809	1315	7919	33006	551688	7
15	Rudraprayag	17	11	341	5245	835	15551	3	696271	133	754	857	37581	7
16	Roorkee(Urban)	18	11	1013	44210	44210	2774845	63	104898066	2373	964	44210	1848739	42
17	Roorkee(Rural)	44	11	2747	103581	89460	8224120	79	325889480	3146	715	89460	2190510	21
18	Haridwar(Urban)	5	11	243	399	267	20809	52	915991	2296	130	267	12739	32
19	Haridwar(Rural)	63	11	1609	98320	89379	2709601	28	118302993	1203	273	89379	526177	5
20	Laksar	20	11	2057	26570	26570	2686125	101	2216680	83	195	26570	266555	10
21	Haldwani (Urban)	3	11	142	5878	1269	60510	10	2316522	394	77	1334	30436	5
22	Haldwani (Rural)	35	11	1813	171321	86465	2920944	17	58056558	339	449	86465	998438	6
23	Nainital	29	11	1162	43766	13502	836974	19	38829756	887	565	13502	391879	9
24	Ramnagar	15	11	744	22585	22304	1207287	53	70761518	3133	471	22585	709987	31
25	Kashipur	22	11	894	52961	52961	2379133	45	108772789	2054	306	52961	737295	14
26	Bazpur	18	11	844	41250	41250	2234508	54	96404960	2337	152	41250	404181	10
27	Jaspur	27	11	1152	41637	41637	1885865	45	101967174	2449	192	41637	362392	9
28	Rudrapur	104	11	744	257122	257122	1944682	8	6237420	24	10	257122	36088	0
29	Sitraganj	34	11	348	137332	109611	9860223	72	83987116	612	178	54806	199812	1
30	Almora	25	11	2109	11498	11498	1080380	94	19761896	1719	49	11498	23627	2
31	Bageshwar	22	11	2225	39206	39206	4266284	109	116758056	2978	506	39206	963476	25
32	Ranikhet	29	11	1142	8826	8826	501205	57	9610032	1089	297	8826	124677	14
33	Pithoragarh	33	11	732	47520	47520	1220510	26	36118600	760	184	47520	274940	6
34	Dharchula	22	11	1361	19653	7884	560424	29	43674266	2222	501	7884	212965	11
35	Champawat	18	11	428	23091	23091	577978	25	96574715	4182	327	23091	363135	16
	UPCL	941	11	39231	1788638	1452047	71979535	40	2261689155	1264	18965	1393444	19659597	11