

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of July 2019

SI No	Name of Electricity Distribution Division	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	Raipur Dehradun	11	155	9817	9817	306193	31	7523547	766	162	9817	360406	37
2	Mohanpur	11	35	5124	2818	98637	19	3142293	613	12	2818	33818	7
3	Vikasnagar	11	278	18966	15788	647260	34	13950325	736	5	15788	19380	1
4	Rishikesh	11	296	17843	17843	640744	36	12031420	674	40	6191	68188	4
5	Uttarkashi	11	66	8288	7619	103145	12	2257410	272	32	7619	42828	5
6	Barkot	11	46	2370	850	39100	16	481950	203	9	850	7650	3
7	Doiwala	11	81	3399	2831	94246	28	2745932	808	21	2831	31150	9
8	Dehradun (North)	11	334	29280	29280	387960	13	10679880	365	227	21380	345211	12
9	Dehradun (South)	11	1206	91148	91148	2822642	31	53366103	585	666	91148	1650745	18
10	Dehradun (Central)	11	194	29673	29673	357263	12	17921899	604	203	14472	643904	22
11	Srinagar	11	207	12639	6319	251456	20	7425653	588	23	6319	19535	2
12	Pauri	11	117	16913	4917	80616	5	1698439	100	18	7331	39757	2
13	Tehri	11	454	29942	29942	1349525	45	33016575	1103	173	29942	456857	15
14	Gopeshwar	11	293	4275	4275	181796	43	5339633	1249	152	4275	84599	20
15	Narayanbagar	11	129	2072	2072	140070	68	2611532	1260	46	2072	59080	29
16	Gairsain	11	267	7901	7901	619495	78	15498533	1962	36	7901	64625	8
17	Kotdwar	11	11	466	167	11368	24	277827	596	7	167	8309	18
18	Rudraprayag	11	138	2529	2430	112936	45	2146177	849	24	2430	21245	8
19	Roorkee(Urban)	11	1084	34090	23700	2084865	61	34467610	1011	67	23700	144945	4
20	Roorkee(Rural)	11	621	15900	15900	2278900	143	35578800	2238	137	19700	560900	35
21	Ramnagar (Roorkee)	11	636	35376	35376	1913940	54	61914072	1750	160	35376	444640	13
22	Bhagwanpur	11	77	78542	78542	6047724	77	214026596	2725	32	78542	2513340	32
23	Haridwar(Urban)	11	1167	3261	2331	100306	31	3592904	1102	671	2331	67099	21
24	Haridwar(Rural)	11	50	579	526	13150	23	523371	904	53	526	14203	25
25	Jwalapur	11	1156	52038	52038	4951997	95	83211984	1599	0	31316	0	0
26	Laksar	11	194	30340	30340	2948800	97	62282080	2053	8	30340	121360	4
27	Hadwani (Urban)	11	655	95437	16881	867096	9	12953676	136	203	95437	868366	9
28	Haldwani (Rural)	11	61	4112	2179	37470	9	1314575	320	14	2179	14259	3
29	Nainital	11	303	28609	19802	503904	18	24619337	861	149	19802	275922	10
30	Ramnagar	11	227	16948	7775	356980	21	9947505	587	119	16605	475490	28
31	Kashipur	11	699	39753	39753	2451230	62	79421745	1998	165	39753	512118	13
32	Bazpur	11	413	13862	13862	874614	63	14773387	1066	68	13862	168846	12
33	Jaspur	11	154	11368	11368	445502	39	12455106	1096	35	11368	106080	9
34	Rudrapur	11	57	59423	59423	136939	2	684695	12	0	59423	0	0
35	Sitraganj	11	239	11216	11216	552896	49	12193280	1087	16	179856	367328	33
36	Khatima	11	178	11702	4015	262130	22	7315275	625	0	4015	0	0
37	Almora	11	572	5587	5587	312555	56	6156160	1102	78	5587	43087	8
38	Bageshwar	11	64	4176	4176	267264	64	5808816	1391	5	4176	20880	5
39	Ranikhet	11	190	2478	907	51151	21	847926	342	25	907	5409	2
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	596	34270	11155	797494	23	16099520	470	69	8603	69563	2
42	Dharchula	11	161	8298	4284	98092	12	5295567	638	136	4284	82522	10
43	Champawat	11	244	12766	3830	128911	10	1933659	151	85	3830	57507	5
	UPCL	11	14105	902775	720655	36728362	41	899532773	996	4151	924868	10891150	12

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of July 2019

SI No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI Calculation		SAIDI Calculation		MAIFI Calculation			
						$\sum Ai \times Ni$ for Division	SAIFI	$\sum Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum Ci \times Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	766	32745	32403	1581994	48	39584750	1209	775	32403	2187371	67
2	Mohanpur	11	947	39472	25394	1627152	41	33239432	842	572	25394	846931	21
3	Vikasnagar	11	1007	52443	40373	1801897	34	41610042	793	6	40373	16743	0.3
4	Rishikesh	11	350	22992	22992	592558	26	16904529	735	0	0	0	0
5	Uttarkashi	11	210	16784	15239	239858	14	4522123	269	60	15239	59181	4
6	Barkot	11	475	18301	15124	766557	42	10498043	574	192	15124	260939	14
7	Doiwala	11	550	13411	12402	689329	51	25697586	1916	167	12402	160581	12
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1033	39177	19589	967047	25	30839128	787	242	19589	259524	7
12	Pauri	11	1268	75372	17071	908597	12	21321282	283	303	14687	182244	2
13	Tehri	11	3657	103400	103400	8685866	84	273470375	2645	558	103400	1244075	12
14	Gopeshwar	11	978	7417	7417	583574	79	21598496	2912	340	7417	192695	26
15	Narayanbagar	11	950	10044	10044	1196268	119	19757614	1967	239	10044	316504	32
16	Gairsain	11	605	16070	16070	831543	52	38566636	2400	102	16070	159684	10
17	Kotdwar	11	136	3155	896	62147	20	1694217	537	52	896	36676	12
18	Rudraprayag	11	935	12930	12930	700620	54	20931670	1619	169	12930	120020	9
19	Roorkee(Urban)	11	1535	30570	14613	1781490	58	65147480	2131	374	14613	456549	15
20	Roorkee(Rural)	11	3670	79631	68468	10327930	130	315484160	3962	595	68468	1952850	25
21	Ramnagar (Roorkee)	11	848	24836	24836	3015937	121	36183497	1457	264	24836	1045526	42
22	Bhagwanpur	11	1444	1151068	1151068	85955073	75	1923472664	1671	993	1151068	61310496	53
23	Haridwar(Urban)	11	172	101	89	7416	73	232160	2299	89	89	5283	52
24	Haridwar(Rural)	11	24	1863	1694	21380	11	934488	502	56	1694	47432	25
25	Jwalapur	11	199	5269	5269	304051	58	200169	38	0	5269	0	0
26	Laksar	11	1558	127933	127933	13437331	105	348108003	2721	120	127933	788773	6
27	Haldwani (Urban)	11	280	9100	1736	162901	18	3025556	332	78	9100	220104	24
28	Haldwani (Rural)	11	2429	208040	111351	4762942	23	102560128	493	777	111351	2399736	12
29	Nainital	11	424	44639	17211	278033	6	18621142	417	378	17211	274532	6
30	Ramnagar	11	972	24490	14557	818510	33	28508297	1164	517	24490	848628	35
31	Kashipur	11	1085	38042	35685	2397961	63	81941111	2154	322	35685	596766	16
32	Bazpur	11	947	31354	31354	2832161	90	75995954	2424	244	31354	713566	23
33	Jaspur	11	1310	33024	33024	2791621	85	94456413	2860	418	33024	902750	27
34	Rudrapur	11	87	100462	100462	222234	2	1111170	11	10	100462	36088	0
35	Sitraganj	11	1339	41344	41344	3624800	88	88757872	2147	62	41344	161792	4
36	Khatima	11	1606	44149	17519	2358363	53	74567405	1689	0	17519	0	0
37	Almora	11	2425	10899	10899	1006578	92	24590596	2256	421	10899	189975	17
38	Bageshwar	11	2062	39233	39233	4155628	106	140895746	3591	552	39233	1117846	28
39	Ranikhet	11	1664	9442	4000	282665	30	6446318	683	334	4000	60543	6
40	Bhikiyasain	11	2115	7462	7462	634623	85	26847538	3598	506	7462	133696	18
41	Pithoragarh	11	2148	54452	21524	1295449	24	37211548	683	195	9384	88953	2
42	Dharchula	11	666	26818	9930	315215	12	16036086	598	548	9930	247852	9
43	Champawat	11	1157	22811	6843	479231	21	7188471	315	300	6843	146258	6
	UPCL	11	46033	2630745	2249448	164504531	63	4118759893	1566	11930	2229229	79789161	30