

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of June 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	197	9817	9817	360761	37	9172018	934	182	9817	383501	39
2	Mohanpur	11	103	6144	3618	255965	42	5336231	869	15	3618	34200	6
3	Vikasnagar	11	267	18966	15788	524268	28	10944698	577	33	15788	57348	3
4	Rishikesh	11	288	17583	16481	590394	34	14025961	798	42	6997	67056	4
5	Uttarkashi	11	84	8288	7619	118777	14	202613	24	5	7619	6919	1
6	Barkot	11	42	2370	850	35700	15	442850	187	2	850	1700	1
7	Doiwala	11	91	2816	2816	102528	36	2443740	868	23	2816	38164	14
8	Dehradun (North)	11	334	29280	29280	387960	13	10679880	365	227	21380	345211	12
9	Dehradun (South)	11	1075	91148	91148	2657067	29	57152738	627	476	91148	1282491	14
10	Dehradun (Central)	11	194	29673	29673	357263	12	17921899	604	203	14472	643904	22
11	Srinagar	11	152	4113	2057	78024	19	2727022	663	4	2057	1814	0.4
12	Pauri	11	191	16814	4917	121653	7	2690226	160	34	7331	54707	3
13	Tehri	11	365	29942	29942	828617	28	20769352	694	41	29942	84872	3
14	Gopeshwar	11	366	4923	4923	286702	58	8968656	1822	174	4923	113554	23
15	Narayanbagar	11	98	2072	2072	95816	46	5084932	2454	16	2072	26572	13
16	Gairsain	11	277	7901	7901	643528	81	14385104	1821	17	7901	47702	6
17	Kotdwar	11	470	14442	5163	490963	34	6905740	478	73	5163	42033	3
18	Rudraprayag	11	118	2529	2430	114628	45	3124199	1235	19	2430	17670	7
19	Roorkee(Urban)	11	1207	33430	23700	2365220	71	49210465	1472	63	23700	133975	4
20	Roorkee(Rural)	11	484	15600	15600	2010000	129	56108000	3597	155	15600	609100	39
21	Ramnagar (Roorkee)	11	765	34700	34700	2313804	67	85055690	2451	121	34700	319277	9
22	Bhagwanpur	11	153	2267	2267	346880	153	10973190	4840	39	2267	88420	39
23	Haridwar(Urban)	11	999	3528	2576	109937	31	2469284	700	669	2576	82569	23
24	Haridwar(Rural)	11	40	630	573	10170	16	698652	1109	42	573	10485	17
25	Jwalapur	11	956	50981	50981	3944318	77	60709807	1191	0	30259	0	0
26	Laksar	11	190	30255	30255	2902000	96	165600000	5473	7	30255	103115	3
27	Hadwani (Urban)	11	854	95437	18157	1192612	12	20679087	217	161	95437	741521	8
28	Haldwani (Rural)	11	55	3650	2176	37980	10	827338	227	3	2176	4563	1
29	Nainital	11	244	24952	18183	460394	18	16211299	650	121	18183	232223	9
30	Ramnagar	11	402	16948	11975	1068100	63	32838560	1938	82	16605	349825	21
31	Kashipur	11	557	39753	39753	2003604	50	98083792	2467	141	39753	496114	12
32	Bazpur	11	349	13811	13811	723071	52	23820263	1725	98	13811	216978	16
33	Jaspur	11	143	11368	11368	408922	36	17265970	1519	33	11368	97828	9
34	Rudrapur	11	57	59423	59423	136939	2	684695	12	0	59423	0	0
35	Sitraganj	11	281	9680	9680	630240	65	28736400	2969	0	9680	0	0
36	Khatima	11	242	11707	4076	337480	29	17502100	1495	14	4083	3300	0
37	Almora	11	590	5247	5247	297394	57	5319403	1014	77	5247	39062	7
38	Bageshwar	11	81	4176	4176	338256	81	8285184	1984	10	4176	41760	10
39	Ranikhet	11	208	2867	1101	60353	21	1369616	478	26	1101	6542	2
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	584	34177	11119	750153	22	15944405	467	68	8569	72112	2
42	Dharchula	11	156	8028	4183	90909	11	5427432	676	132	4183	81230	10
43	Champawat	11	371	12766	3830	236779	19	2841343	223	55	3830	33854	3
	UPCL	11	14680	824202	645404	30826128	37	919639833	1116	3703	673878	7013272	9

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of June 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	877	32745	32403	1654653	51	40988876	1252	678	32403	2029663	62
2	Mohanpur	11	791	39122	25194	1833976	47	48071885	1229	491	25194	713426	18
3	Vikasnagar	11	924	52443	40373	1549826	30	43224433	824	14	40373	53455	1
4	Rishikesh	11	335	24642	24642	705769	29	20420501	829	0	0	0	0
5	Uttarkashi	11	217	16784	15239	231999	14	442004	26	10	15239	9788	1
6	Barkot	11	511	18301	15124	854943	47	11498121	628	168	15124	231036	13
7	Doiwala	11	464	12390	12390	620754	50	18678096	1508	171	12390	181024	15
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1273	12016	6008	422078	35	11454433	953	241	6008	78461	7
12	Pauri	11	1361	56599	17071	965559	17	25746717	455	387	14687	475005	8
13	Tehri	11	1535	103400	103400	3165236	31	65170408	630	154	103400	265629	3
14	Gopeshwar	11	1208	7984	7984	767216	96	31308797	3922	385	7984	212355	27
15	Narayanbagar	11	795	10044	10044	1036160	103	52022419	5179	152	10044	201958	20
16	Gairsain	11	849	16070	16070	1144013	71	36681181	2283	126	16070	204804	13
17	Kotdwar	11	3954	97806	27766	2332001	24	63027224	644	681	27766	391898	4
18	Rudraprayag	11	898	12930	12930	713310	55	16544910	1280	258	12930	234470	18
19	Roorkee(Urban)	11	1766	32308	10158	1340536	41	59185185	1832	368	10158	323950	10
20	Roorkee(Rural)	11	3619	79631	68468	10067740	126	302941870	3804	546	68468	1750670	22
21	Ramnagar (Roorkee)	11	658	24836	24836	2301564	93	65128900	2622	204	24836	748520	30
22	Bhagwanpur	11	1434	39724	39724	2707686	68	104323684	2626	600	39724	1163327	29
23	Haridwar(Urban)	11	122	118	97	4688	40	107747	913	67	97	3688	31
24	Haridwar(Rural)	11	22	1748	1589	15795	9	1648923	943	32	1589	25845	15
25	Jwalapur	11	150	4664	4664	214984	46	113870	24	0	4664	0	0
26	Laksar	11	1250	128320	128320	12765715	99	618130524	4817	93	128320	673885	5
27	Haldwani (Urban)	11	312	9100	1704	182237	20	5431327	597	90	9100	319952	35
28	Haldwani (Rural)	11	2837	208502	116574	5924542	28	169614797	813	435	116574	1819598	9
29	Nainital	11	516	44322	16920	355785	8	16768273	378	523	16920	465198	10
30	Ramnagar	11	1346	25162	19006	1847350	73	56247280	2235	560	25162	971625	39
31	Kashipur	11	1064	38042	35685	2351646	62	121310295	3189	358	35685	723519	19
32	Bazpur	11	952	31253	31253	2701548	86	113171212	3621	143	31253	392168	13
33	Jaspur	11	902	33024	33024	1970647	60	115564517	3499	272	33024	585782	18
34	Rudrapur	11	87	100462	100462	222234	2	1111170	11	10	100462	36088	0.4
35	Sitraganj	11	1020	38832	38832	2923440	75	267712992	6894	0	38832	0	0
36	Khatima	11	1725	44149	18242	2608055	59	122371073	2772	7	18242	10806	0
37	Almora	11	2466	8083	8083	810433	100	19064141	2359	368	8083	159342	20
38	Bageshwar	11	1970	39211	39211	3974865	101	100721109	2569	480	39211	967842	25
39	Ranikhet	11	1749	9716	4389	308910	32	7253747	747	275	4389	54240	6
40	Bhikiyasain	11	2693	11529	11529	1101092	96	38824912	3368	506	11529	161150	14
41	Pithoragarh	11	2451	54397	21157	1412796	26	37386098	687	245	13005	114324	2
42	Dharchula	11	641	25720	9636	299141	12	16372606	637	526	9636	222401	9
43	Champawat	11	1639	22639	6792	619883	27	7438597	329	149	6792	51444	2
	UPCL	11	49383	1568768	1156993	77030804	49	2853224855	1819	10773	1135367	17028335	11