

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of June 2020

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			
						$\Sigma Ai \times Ni$ for Division	SAIFI	$\Sigma Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\Sigma Ci \times Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	124	9817	9817	234475	24	6560731	668	63	9817	149476	15
2	Mohanpur	11	27	5124	2818	76091	15	2420834	472	9	2818	25364	5
3	Vikasnagar	11	226	18966	15788	544655	29	11683072	616	19	15788	30263	2
4	Rishikesh	11	179	14903	14903	313965	21	5475620	367	34	5877	55273	4
5	Uttarkashi	11	51	8288	7619	76855	9	1899824	229	8	7619	10647	1
6	Barkot	11	41	2370	850	34850	15	406300	171	6	850	5100	2
7	Doiwala	11	66	3399	3399	101022	30	3180743	936	16	3399	13025	4
8	Dehradun (North)	11	572	42259	42259	432310	10	30088408	712	212	40172	297503	7
9	Dehradun (South)	11	607	91148	91148	1472556	16	44376753	487	522	91148	1242971	14
10	Dehradun (Central)	11	102	14472	14472	117947	8	9102888	629	142	13972	125328	9
11	Srinagar	11	168	12639	6319	205736	16	3921280	310	17	6319	14675	1
12	Pauri	11	128	16913	4939	71402	4	1856070	110	20	7331	39740	2
13	Tehri	11	325	29942	29942	981236	33	18376936	614	113	29942	280838	9
14	Gopeshwar	11	350	5085	5085	283722	56	8838584	1738	90	5085	56194	11
15	Narayanbagar	11	165	2072	2072	180222	87	3312764	1599	23	2072	24542	12
16	Gairsain	11	113	7901	7901	245435	31	10645908	1347	25	7901	39879	5
17	Kotdwar	11	131	14442	5163	152530	11	7947669	550	115	5163	133695	9
18	Rudraprayag	11	117	2529	2430	60413	24	1367770	541	20	2430	11260	4
19	Roorkee(Urban)	11	776	33650	23370	1469095	44	34398705	1022	82	23370	173260	5
20	Roorkee(Rural)	11	364	15600	15600	1215600	78	40751900	2612	87	19700	342300	22
21	Ramnagar (Roorkee)	11	452	35376	35376	1373501	39	60279532	1704	113	35376	318377	9
22	Bhagwanpur	11	45	2429	2429	109311	45	7037190	2897	9	2429	21862	9
23	Haridwar(Urban)	11	893	3140	2240	68158	22	1757782	560	613	2240	55399	18
24	Haridwar(Rural)	11	57	579	526	13647	24	1004025	1734	51	526	12325	21
25	Jwalapur	11	427	51443	51443	1837262	36	69564107	1352	2	30721	2750	2
26	Laksar	11	97	29045	29045	1405510	48	53625855	1846	10	29045	145225	5
27	Hadwani (Urban)	11	556	95437	16486	793619	8	16148571	169	168	95437	727907	8
28	Haldwani (Rural)	11	52	3807	2422	38167	10	692865	182	21	2422	17866	5
29	Nainital	11	406	28614	19802	718061	25	25674718	897	116	19802	184740	6
30	Ramnagar	11	163	16948	7775	270945	16	6847300	404	87	7775	161315	10
31	Kashipur	11	407	39753	39753	1659551	42	80016508	2013	208	39753	833424	21
32	Bazpur	11	274	13918	13918	570031	41	17033814	1224	59	13918	126303	9
33	Jaspur	11	106	11368	11368	311194	27	10827590	952	25	11368	75146	7
34	Rudrapur	11	93	59423	59423	228436	4	13151341	221	37	59423	99205	2
35	Sitraganj	11	95	9856	9856	194960	20	10086624	1023	15	9856	34656	4
36	Khatima	11	92	11702	4290	142340	12	4254470	364	0	4290	0	0
37	Almora	11	422	5781	5781	233364	40	5606962	970	78	5781	42719	7
38	Bageshwar	11	56	4176	4176	233856	56	5040432	1207	8	4176	33408	8
39	Ranikhet	11	142	2365	793	33021	14	470948	199	35	793	7706	3
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	513	34355	11178	654987	19	14750051	429	41	8473	45098	1
42	Dharchula	11	154	8298	4292	92704	11	3870407	466	107	4292	63715	8
43	Champawat	11	253	12766	3830	166633	13	1915339	150	88	3830	58917	5
	UPCL	11	10387	832097	642095	19419375	23	656269190	789	3514	692498	6139395	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of June 2020

Sl 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
		KV	KW		Nos.	Min			Nos.				
1	Raipur Dehradun	11	479	32745	32403	904326	28	20419599	624	381	32403	1102320	34
2	Mohanpur	11	667	39472	25394	1124025	28	25238608	639	298	25394	398122	10
3	Vikasnagar	11	799	52443	40373	1506292	29	36426617	695	11	40373	40088	1
4	Rishikesh	11	290	23834	23834	475705	20	14690543	616	17	23834	21274	1
5	Uttarkashi	11	173	16784	15239	192018	11	3839749	229	13	15239	21242	1
6	Barkot	11	443	18301	15124	707526	39	9591428	524	137	15124	173659	9
7	Doiwala	11	383	13411	13411	579552	43	12704488	947	99	13411	106959	8
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1067	39177	19589	912180	23	28512616	728	190	19589	203200	5
12	Pauri	11	1180	75372	17071	845013	11	16638112	221	387	14687	287171	4
13	Tehri	11	2587	103400	103400	5502950	53	175597509	1698	450	103400	899657	9
14	Gopeshwar	11	798	7838	7838	499445	64	18685483	2384	338	7838	207334	26
15	Narayanbagar	11	617	10044	10044	639042	64	22530078	2243	88	10044	97944	10
16	Gairsain	11	341	16070	16070	436544	27	25847767	1608	79	16070	113741	7
17	Kotdwar	11	3222	97806	27780	1186191	12	48856890	500	1206	27780	737969	8
18	Rudraprayag	11	794	12930	12930	610950	47	14356120	1110	162	12930	122160	9
19	Roorkee(Urban)	11	1076	26555	11456	946102	36	42931953	1617	325	11456	317238	12
20	Roorkee(Rural)	11	2462	84439	68468	7702170	91	241936992	2865	563	68468	1812114	21
21	Ramnagar (Roorkee)	11	566	24836	24836	1842967	74	28192093	1135	67	24836	248248	10
22	Bhagwanpur	11	1500	40000	40000	3147910	79	99962586	2499	512	40000	1026129	26
23	Haridwar(Urban)	11	109	88	63	3824	43	98693	1122	100	63	4223	48
24	Haridwar(Rural)	11	35	1530	1391	24570	16	2440152	1595	42	1391	31031	20
25	Jwalapur	11	83	4774	4774	109714	23	4786100	1003	0	4774	0	0
26	Laksar	11	1457	126862	126862	12665997	100	306405261	2415	129	126862	847629	7
27	Haldwani (Urban)	11	231	9100	1594	130745	14	2095529	230	37	9100	97189	11
28	Haldwani (Rural)	11	1889	208345	117343	3991463	19	80365202	386	982	117343	1361664	7
29	Nainital	11	600	44647	16968	363209	8	19347502	433	361	16968	221697	5
30	Ramnagar	11	959	24490	14557	917500	37	23948473	978	443	14557	422163	17
31	Kashipur	11	1152	38042	35685	2864593	75	82866594	2178	288	35685	711698	19
32	Bazpur	11	732	31432	31432	1986345	63	71388842	2271	139	31432	344325	11
33	Jaspur	11	829	33024	33024	1807951	55	59041692	1788	161	33024	330141	10
34	Rudrapur	11	278	100462	100462	731036	7	34497014	343	54	100462	172585	2
35	Sitraganj	11	207	41344	41344	438864	11	43994608	1064	40	41344	110288	3
36	Khatima	11	813	44149	19018	1067855	24	38833394	880	0	17435	0	0
37	Almora	11	1938	11224	11224	836237	75	14983635	1335	321	11224	142609	13
38	Bageshwar	11	1695	39253	39253	3380317	86	75143021	1914	317	39253	639389	16
39	Ranikhet	11	1598	9697	4032	268256	28	4654683	480	306	4032	51821	5
40	Bhikyasain	11	2008	7527	7527	447763	59	10694762	1421	1724	7527	121001	16
41	Pithoragarh	11	1649	54527	21541	942870	17	35716125	655	165	13494	75603	1
42	Dharchula	11	620	26818	10152	313065	12	14800883	552	481	10152	206898	8
43	Champawat	11	1237	22639	6792	493834	22	7977942	352	316	6792	128503	6
	UPCL	11	39563	1615432	1170296	63546916	39	1821039339	1127	11729	1165789	13957026	9