

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of April 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	83	9817	9817	162625	17	7463518	760	59	9817	92015	9
2	Mohanpur	11	41	5124	2818	115546	23	2866109	559	16	2818	45091	9
3	Vikasnagar	11	153	18966	15788	316099	17	19728903	1040	31	15788	59979	3
4	Rishikesh	11	213	14588	14588	250428	17	10383783	712	50	6396	53068	4
5	Uttarkashi	11	81	8288	7619	106957	13	3738149	451	43	7619	51028	6
6	Barkot	11	42	2370	1140	47880	20	829920	350	5	1140	5700	2
7	Doiwala	11	43	2816	2816	46244	16	2947732	1047	28	2816	25748	9
8	Dehradun (North)	11	178	42259	42259	343143	8	38328913	907	109	40172	354553	8
9	Dehradun (South)	11	679	91148	91148	1681789	18	58286919	639	378	91148	890104	10
10	Dehradun (Central)	11	312	14472	14472	168599	12	11678904	807	147	13972	133953	9
11	Srinagar	11	116	4340	2170	251723	58	5153804	1188	12	2170	26040	6
12	Pauri	11	154	16814	4917	82729	5	4428357	263	26	7331	52345	3
13	Tehri	11	240	29942	29942	525501	18	16405355	548	62	29942	107252	4
14	Gopeshwar	11	158	4227	4227	106007	25	3858835	913	48	4227	31611	7
15	Narayanbagar	11	59	2072	2072	70406	34	2040822	985	11	2072	14966	7
16	Gairsain	11	96	7901	7901	209078	26	5080314	643	33	7901	74099	9
17	Kotdwar	11	270	14442	5255	276833	19	6732350	466	58	5255	70815	5
18	Rudraprayag	11	37	2529	2430	27906	11	853625	338	7	2430	5470	2
19	Roorkee(Urban)	11	470	33430	22655	852575	26	56261400	1683	74	22655	116290	3
20	Roorkee(Rural)	11	97	15600	15600	393700	25	19889100	1275	66	15600	267400	17
21	Ramnagar (Roorkee)	11	213	34700	34700	666070	19	38808819	1118	131	34700	347000	10
22	Bhagwanpur	11	86	2267	2267	194978	86	2897466	1278	11	2267	24939	11
23	Haridwar(Urban)	11	723	2967	2256	60905	21	2816063	949	357	2256	27088	9
24	Haridwar(Rural)	11	33	565	514	8622	15	498202	882	31	514	7920	14
25	Jwalapur	11	376	50981	50981	1321771	26	40760403	800	0	30259	0	0
26	Laksar	11	70	22360	22360	763280	34	26362800	1179	3	22360	34920	2
27	Hadwani (Urban)	11	617	95437	16965	719035	8	21468988	225	79	95437	394642	4
28	Hadwani (Rural)	11	33	4215	2111	38436	9	1287422	305	19	2111	8613	2
29	Nainital	11	253	24952	19444	481426	19	17002916	681	34	19444	74004	3
30	Ramnagar	11	163	16948	11975	414080	24	13079200	772	25	16605	107685	6
31	Kashipur	11	249	39753	39753	955929	24	37253392	937	41	39753	153976	4
32	Bazpur	11	379	13732	13732	833683	61	21508612	1566	28	13732	60094	4
33	Jaspur	11	77	11368	11368	222494	20	8828964	777	8	11368	20736	2
34	Rudrapur	11	119	59423	59423	287260	5	12761343	215	45	59423	85552	1
35	Sitraganj	11	87	11360	11360	198720	17	9511680	837	13	11360	28160	2
36	Khatima	11	43	11702	3410	48510	4	2006290	171	7	3410	9350	0.8
37	Almora	11	521	5376	5376	265030	49	5353464	996	52	5376	24474	5
38	Bageshwar	11	59	4176	4176	246384	59	4693824	1124	3	4176	12528	3
39	Ranikhet	11	199	2414	1133	50571	21	1225289	508	31	1133	9260	4
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	479	34038	11082	550958	16	22257043	654	47	8545	48743	1
42	Dharchula	11	237	8013	4186	155852	19	6271398	783	67	4186	43053	5
43	Champawat	11	75	12766	12766	158661	12	12078070	946	27	12766	74226	6
	<b>UPCL</b>	<b>11</b>	<b>8613</b>	<b>810658</b>	<b>640972</b>	<b>14678423</b>	<b>18</b>	<b>585688460</b>	<b>722</b>	<b>2322</b>	<b>692450</b>	<b>4074491</b>	<b>5</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of April 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			
						$\sum Ai \times Ni$ 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	512	32745	32403	1073244	33	21992617	672	242	32403	365923	11
2	Mohanpur	11	781	39122	25194	1549133	40	39075629	999	192	25194	348964	9
3	Vikasnagar	11	553	52443	40373	710623	14	41795627	797	84	40373	213746	4
4	Rishikesh	11	272	19172	19172	303563	16	14361417	749	0	0	0	0
5	Uttarkashi	11	193	16784	15239	210266	13	11690260	697	55	15239	64424	4
6	Barkot	11	368	18301	15124	597126	33	13370814	731	131	15124	151417	8
7	Doiwala	11	243	12390	12390	321647	26	13816364	1115	63	12390	81259	7
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	363	12275	6138	2227949	182	43509459	3545	33	6138	202541	17
12	Pauri	11	780	56599	17071	588481	10	17875873	316	256	14687	147533	3
13	Tehri	11	1378	101435	100640	2605442	26	78100760	770	263	101424	453593	4
14	Gopeshwar	11	328	8162	8162	187820	23	11482530	1407	125	8162	72922	9
15	Narayanbagar	11	144	10044	10044	210874	21	8200680	816	81	10044	119504	12
16	Gairsain	11	319	16070	16070	438975	27	16926626	1053	73	16070	125611	8
17	Kotdwar	11	2232	98008	27630	1249453	13	57307517	585	816	27630	450121	5
18	Rudraprayag	11	407	12930	12930	294050	23	15766110	1219	126	12930	103200	8
19	Roorkee(Urban)	11	780	27420	12622	727197	27	29308549	1069	232	12622	215634	8
20	Roorkee(Rural)	11	1347	79631	68468	3900294	49	218810064	2748	445	68468	1290002	16
21	Ramnagar (Roorkee)	11	189	24836	24836	668391	27	29773102	1199	58	24836	193428	8
22	Bhagwanpur	11	1279	39724	39724	2276354	57	80199751	2019	284	39724	480547	12
23	Haridwar(Urban)	11	120	102	88	2294	22	136373	1337	36	88	1015	10
24	Haridwar(Rural)	11	36	1582	1438	25568	16	1625562	1028	31	1438	21183	13
25	Jwalapur	11	84	4664	4664	91740	20	5080284	1089	0	4664	0	0
26	Laksar	11	533	109895	109895	3888160	35	133973385	1219	36	109895	228125	2
27	Haldwani (Urban)	11	179	9100	1581	93836	10	2408946	265	15	9100	35843	4
28	Haldwani (Rural)	11	1304	206171	115734	2030714	10	99369913	482	285	115734	1453954	7
29	Nainital	11	949	44322	16919	569969	13	23778302	536	183	16983	110675	2
30	Ramnagar	11	578	25162	19006	735086	29	26143973	1039	104	29470	150182	6
31	Kashipur	11	332	38042	35685	781537	21	42990772	1130	99	35685	234392	6
32	Bazpur	11	771	31166	31166	2110410	68	61914270	1987	68	31166	184611	6
33	Jasipur	11	456	33024	33024	938119	28	52352368	1585	95	33024	190213	6
34	Rudrapur	11	334	100462	100462	862611	9	23501297	234	41	100462	126269	1.26
35	Sitraganj	11	642	33536	33536	1641632	49	47216176	1408	64	33536	144656	4
36	Khatima	11	1140	44149	16932	1521131	34	57370715	1299	7	15349	7968	0.2
37	Almora	11	1689	8179	8179	513219	63	9601137	1174	126	8292	44028	5
38	Bageshwar	11	1531	39179	39179	3029797	77	61584556	1572	166	39179	353963	9
39	Ranikhet	11	1807	9669	4375	319154	33	8627678	892	248	4375	38257	4
40	Bhikyasain	11	1622	7964	7964	580112	73	9256108	1162	198	7964	43236	5
41	Pithoragarh	11	2757	54259	32402	2035922	38	64336773	1186	350	13602	214269	4
42	Dharchula	11	1062	25702	9639	508816	20	22598230	879	387	9639	161894	6
43	Champawat	11	337	22639	22639	440325	19	18341729	810	88	22639	117650	5
	<b>UPCL</b>	<b>11</b>	<b>30731</b>	<b>1527060</b>	<b>1148735</b>	<b>42861035</b>	<b>28</b>	<b>1535572295</b>	<b>1006</b>	<b>6186</b>	<b>1125742</b>	<b>8942752</b>	<b>6</b>