

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of February 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	153	9817	9817	192126	20	7731911	788	45	9817	77968	8
2	Mohanpur	11	32	5124	2818	90182	18	3463568	676	9	2818	25364	5
3	Vikasnagar	11	174	19082	15893	347093	18	9712046	509	42	15893	88506	5
4	Rishikesh	11	236	13707	13707	322074	23	8460041	617	41	5594	36804	3
5	Uttarkashi	11	105	8288	7619	145932	18	4744571	572	25	7619	24101	3
6	Barkot	11	26	2370	850	22100	9	521050	220	4	850	3400	1
7	Doiwala	11	35	3399	3399	36010	11	1865523	549	13	3399	16187	5
8	Dehradun (North)	11	273	42259	42259	406109	10	30046149	711	109	40172	262428	6
9	Dehradun (South)	11	535	91148	91148	1219026	13	47168371	517	266	91148	668831	7
10	Dehradun (Central)	11	212	14472	14472	152824	11	12170952	841	98	13972	81333	6
11	Srinagar	11	94	12639	6319	108312	9	6457803	511	42	6319	50928	4
12	Pauri	11	329	16913	4939	248659	15	5312017	314	66	7331	54511	3
13	Tehri	11	249	29942	29942	532061	18	19486405	651	91	29942	213944	7
14	Gopeshwar	11	90	4583	4583	51449	11	3573590	780	27	4583	17004	4
15	Narayanbagar	11	60	2072	2072	59304	29	2139606	1033	4	2072	7000	3
16	Gairsain	11	37	7901	7901	75412	10	6342868	803	10	7901	19304	2
17	Kotdwar	11	165	14442	5176	150528	10	4869680	337	93	5176	63560	4
18	Rudraprayag	11	189	2529	2635	74653	30	2321315	918	56	2635	23748	9
19	Roorkee(Urban)	11	429	33430	22765	703340	21	20169705	603	145	22765	246740	7
20	Roorkee(Rural)	11	182	15600	15600	576800	37	15862100	1017	23	15600	85000	5
21	Ramnagar (Roorkee)	11	150	35376	35376	480071	14	17611130	498	52	35376	148623	4
22	Bhagwanpur	11	16	79352	79352	1269625	16	41976986	529	2	79352	158703	2
23	Haridwar(Urban)	11	346	2970	2231	23363	8	1485729	500	230	2231	16610	6
24	Haridwar(Rural)	11	25	605	550	6752	11	416178	688	7	550	2048	3
25	Jwalapur	11	69	51443	51443	282842	5	21020315	409	6	30721	19456	3
26	Laksar	11	26	29188	29188	366868	13	16436792	563	7	29188	92726	3
27	Hadwani (Urban)	11	559	95437	16062	438848	5	16572349	174	88	95437	420658	4
28	Hadwani (Rural)	11	78	3659	2370	56236	15	997897	273	17	2370	12698	3
29	Nainital	11	218	28632	20158	391027	14	11126143	389	66	20158	90670	3
30	Ramnagar	11	85	16948	7775	139850	8	6675170	394	45	7775	71435	4
31	Kashipur	11	126	39753	39753	387270	10	21053868	530	79	39753	304508	8
32	Bazpur	11	79	13927	13927	153887	11	6138306	441	34	13927	57252	4
33	Jasur	11	36	11368	11368	102098	9	3418474	301	10	11368	26112	2
34	Rudrapur	11	213	59423	59423	510468	9	13804994	232	39	59423	105080	2
35	Sitraganj	11	70	9856	9856	147520	15	8558176	868	19	9856	34416	3
36	Khatima	11	57	11702	4290	78430	7	4173510	357	30	4290	40370	3
37	Almora	11	168	5782	5782	86315	15	2799301	484	64	5782	33579	6
38	Bageshwar	11	37	4176	4176	154512	37	4084128	978	3	4176	12528	3
39	Ranikhet	11	175	2365	793	39004	16	648060	274	32	793	5502	2
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	386	34495	11227	451456	13	11835782	343	86	7686	86332	3
42	Dharchula	11	100	8298	4292	73387	9	3297694	397	48	4292	27067	3
43	Champawat	11	141	12766	3830	89621	7	3988244	312	36	3830	21991	2
	<b>UPCL</b>	<b>11</b>	<b>6765</b>	<b>907237</b>	<b>717135</b>	<b>11243446</b>	<b>12</b>	<b>430538496</b>	<b>475</b>	<b>2209</b>	<b>763938</b>	<b>3855025</b>	<b>4</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of February 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			
						$\Sigma Ai \times Ni$ 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
		KV	KW		Nos.	Min		Nos.					
1	Raipur Dehradun	11	581	32745	32403	905312	28	27912749	852	193	32403	300821	9
2	Mohanpur	11	415	39472	25394	742842	19	26851840	680	141	25394	241252	6
3	Vikasnagar	11	559	52478	40448	838183	16	25017092	477	105	40448	339078	6
4	Rishikesh	11	692	27432	27432	980996	36	21781327	794	4	22647	6300	4
5	Uttarkashi	11	465	16784	15239	511939	31	15212555	906	104	15239	85668	5
6	Barkot	11	382	18301	15124	608152	33	9673177	529	48	15124	53915	3
7	Doiwala	11	222	13411	13411	280476	21	11116321	829	49	13411	57149	4
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	573	39404	19702	531963	14	22768704	578	148	19702	148278	4
12	Pauri	11	1254	75372	17793	790308	10	23035436	306	477	14687	309222	4
13	Tehri	11	1247	103400	103400	2429209	23	103631963	1002	561	103400	994201	10
14	Gopeshwar	11	262	7174	7174	128938	18	7299811	1018	63	7174	33733	5
15	Narayanbagar	11	288	10044	10044	318216	32	12950210	1289	44	10044	47348	5
16	Gairsain	11	286	16070	16070	447229	28	20238797	1259	69	16070	86363	5
17	Kotdwar	11	1973	97860	26818	905593	9	34654648	354	1038	26818	550023	6
18	Rudraprayag	11	525	12930	12930	383090	30	16292960	1260	108	12930	73600	6
19	Roorkee(Urban)	11	613	24663	11764	478259	19	20437866	829	189	9344	137519	6
20	Roorkee(Rural)	11	1090	84439	84439	4030302	48	146115664	1730	134	84439	516431	6
21	Ramnagar (Roorkee)	11	242	24836	24836	777676	31	30739710	1238	40	24836	113585	5
22	Bhagwanpur	11	301	996445	996445	14682504	15	732409043	735	93	996445	4064971	4
23	Haridwar(Urban)	11	76	112	95	1964	18	78573	702	25	95	434	4
24	Haridwar(Rural)	11	40	1518	1380	26712	18	1508784	994	9	1380	6876	5
25	Jwalapur	11	78	4774	4774	90706	19	3514940	736	16	4774	18436	4
26	Laksar	11	578	110150	110150	2886010	26	136568533	1240	86	110094	383897	3
27	Haldwani (Urban)	11	109	9100	1606	64310	7	2531788	278	9	9100	31794	3
28	Haldwani (Rural)	11	1792	210229	109255	5222701	25	99969895	476	572	109255	901007	4
29	Nainital	11	927	44664	17195	574749	13	18264321	409	258	17195	146646	3
30	Ramnagar	11	468	24490	14557	348752	14	14970609	611	147	14557	109552	4
31	Kashipur	11	267	38042	35685	625265	16	39717208	1044	87	35685	188237	5
32	Bazpur	11	347	34552	34552	666093	19	39960423	1157	119	34552	206609	6
33	Jasipur	11	311	33024	33024	686750	21	31901040	966	112	33024	177324	5
34	Rudrapur	11	512	100462	100462	1333808	13	36707178	365	50	100462	144561	1
35	Sitraganj	11	446	41344	41344	1088736	26	53163280	1286	53	41344	129568	3
36	Khatima	11	526	44149	19018	572632	13	32077443	727	136	19018	156016	4
37	Almora	11	792	11953	11953	347396	29	14144052	1183	142	11953	57671	5
38	Bageshwar	11	345	39274	39274	645238	16	45373716	1155	98	39274	167387	4
39	Ranikhet	11	765	9697	4032	122048	13	4632691	478	201	4032	30818	3
40	Bhikyasain	11	1027	7655	7655	137895	18	5104347	667	121	7655	35307	5
41	Pithoragarh	11	1543	54680	31584	1082554	20	30810204	563	205	12534	117393	2
42	Dharchula	11	555	26818	10152	257515	10	13744821	513	126	10152	62336	2
43	Champawat	11	782	22639	6792	301647	13	10415925	460	254	6792	93506	4
	<b>UPCL</b>	<b>11</b>	<b>24256</b>	<b>2562587</b>	<b>2135405</b>	<b>47854667</b>	<b>19</b>	<b>1943299645</b>	<b>758</b>	<b>6434</b>	<b>2113482</b>	<b>11324831</b>	<b>4</b>