

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of December 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	224	9817	9817	365371	37	12041574	1227	77	9817	133871	14
2	Mohanpur	11	69	5124	2818	194456	38	5422217	1058	8	2818	22546	4
3	Vikasnagar	11	206	19082	15893	410665	22	11301346	592	46	15893	90779	5
4	Rishikesh	11	332	13707	13707	445656	33	10182194	743	137	13707	122866	9
5	Uttarkashi	11	173	8288	7619	234490	28	6778844	818	37	7619	47756	6
6	Barkot	11	36	2370	850	30600	13	690200	291	6	850	5100	2
7	Doiwala	11	57	3399	3399	77703	23	2280201	671	14	3399	12217	4
8	Dehradun (North)	11	336	42259	42259	551480	13	21214018	502	244	40172	361737	9
9	Dehradun (South)	11	814	91148	91148	1883901	21	68305958	749	207	91148	523559	6
10	Dehradun (Central)	11	711	3878	3878	54941	19	643346	412	177	3878	42874	5
11	Srinagar	11	159	12639	6319	206649	16	8408375	665	55	6319	69617	6
12	Pauri	11	403	16913	4939	244181	14	9691573	573	113	7331	103296	6
13	Tehri	11	319	29942	29942	681771	23	35396843	1182	126	29942	310344	10
14	Gopeshwar	11	149	4583	4583	82607	18	3995222	872	46	4583	30267	7
15	Narayanbagar	11	72	2072	2072	70308	34	2994880	1445	19	2072	17542	8
16	Gairsain	11	70	7901	7901	133231	17	6485086	821	26	7901	42872	5
17	Kotdwar	11	237	14442	5176	212640	15	6217240	430	51	5176	47344	3
18	Rudraprayag	11	291	2529	2430	108521	43	3468850	1372	87	2430	33847	13
19	Roorkee(Urban)	11	639	33430	22765	1044815	31	44210170	1322	313	22765	519920	16
20	Roorkee(Rural)	11	207	15600	15600	654800	42	23801800	1526	73	15600	238800	15
21	Ramnagar (Roorkee)	11	381	35376	35376	1222967	35	49025018	1386	109	35376	334899	9
22	Bhagwanpur	11	32	79352	79352	2539251	32	64433483	812	11	79352	872867	11
23	Haridwar(Urban)	11	678	2970	2231	48074	16	1974208	665	445	2231	36199	12
24	Haridwar(Rural)	11	23	605	550	6284	10	545046	901	7	550	1802	3
25	Jwalapur	11	293	51443	51443	1105930	21	35424355	689	20	30721	47185	1
26	Laksar	11	59	29188	29188	883054	30	23266784	797	22	29188	314780	11
27	Hadwani (Urban)	11	672	95437	14542	503303	5	19089943	200	151	95437	706968	7
28	Haldwani (Rural)	11	95	3659	2370	58412	16	1458997	399	15	2370	11059	3
29	Nainital	11	374	28632	20158	632920	22	20597602	719	82	20158	143029	5
30	Ramnagar	11	153	16948	7775	255910	15	10355910	611	29	7775	51055	3
31	Kashipur	11	261	39753	39753	980055	25	71685630	1803	99	39753	378424	10
32	Bazpur	11	121	13927	13927	247548	18	10344260	743	38	13927	78943	6
33	Jaspur	11	72	11368	11368	204410	18	5737546	505	16	11368	44892	4
34	Rudrapur	11	718	59423	59423	1714011	29	78754333	1325	389	59423	922864	16
35	Sitraganj	11	175	9856	9856	354496	36	13397472	1359	54	9856	87648	9
36	Khatima	11	89	11702	4290	130130	11	6962010	595	49	4290	67210	6
37	Almora	11	212	5782	5782	109443	19	3527833	610	70	5782	36707	6
38	Bageshwar	11	37	4176	4176	154512	37	4167648	998	7	4176	29232	7
39	Ranikhet	11	181	2365	793	36591	15	1114694	471	46	793	9422	4
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	416	34495	11227	485137	14	17213515	499	158	7686	134200	4
42	Dharchula	11	124	8298	4292	90555	11	3920034	472	72	4292	45012	5
43	Champawat	11	139	12766	3830	91296	7	3701009	290	54	3830	35900	3
	<b>UPCL</b>	<b>11</b>	<b>10809</b>	<b>896643</b>	<b>704816</b>	<b>19543074</b>	<b>22</b>	<b>730227267</b>	<b>814</b>	<b>3805</b>	<b>761752</b>	<b>7167450</b>	<b>8</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of December 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	701	32745	32403	1147818	35	38249306	1168	223	32403	347773	11
2	Mohanpur	11	609	39472	25394	1130565	29	40582590	1028	226	25394	345946	9
3	Vikasnagar	11	829	52478	40448	1202215	23	38203140	728	253	40448	401335	8
4	Rishikesh	11	1021	27432	27432	1408372	51	38076078	1388	77	27432	124429	5
5	Uttarkashi	11	573	16784	15239	633572	38	18671808	1112	206	15239	201429	12
6	Barkot	11	315	18301	15124	525718	29	12726945	695	42	15124	58037	3
7	Doiwala	11	260	13411	13411	321538	24	15270790	1139	63	13411	60394	5
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	711	39404	19702	606972	15	32600018	827	249	19702	266657	7
12	Pauri	11	1531	75372	17071	960345	13	33475001	444	359	14687	230193	3
13	Tehri	11	1674	103400	103400	3153009	30	143440963	1387	1073	103400	1959601	19
14	Gopeshwar	11	374	7174	7174	186330	26	8813531	1229	80	7174	38996	5
15	Narayanbagar	11	333	10044	10044	368436	37	19770086	1968	119	10044	134696	13
16	Gairsain	11	352	16070	16070	527547	33	24143807	1502	74	16070	77701	5
17	Kotdwar	11	2973	97860	26818	1380695	14	44988112	460	838	26818	444791	5
18	Rudraprayag	11	785	12930	12930	551180	43	23223440	1796	259	12930	168060	13
19	Roorkee(Urban)	11	866	24663	9344	642387	26	32912644	1334	398	9344	294904	12
20	Roorkee(Rural)	11	1251	84439	84439	4621375	55	209613792	2482	365	84439	1351985	16
21	Ramnagar (Roorkee)	11	249	24836	24836	798465	32	42685826	1719	77	24836	244826	10
22	Bhagwanpur	11	439	996445	996445	20661176	21	1367144712	1372	196	996445	8849855	9
23	Haridwar(Urban)	11	63	112	95	1695	15	91047	813	26	95	719	6
24	Haridwar(Rural)	11	37	1518	1380	25752	17	1605288	1058	6	1380	4140	3
25	Jwalapur	11	102	4774	4774	119350	25	3992340	836	8	4774	10560	2
26	Laksar	11	578	110150	110150	2886010	26	191973983	1743	196	110094	946735	9
27	Haldwani (Urban)	11	112	9100	1606	62600	7	2902622	319	19	9100	57411	6
28	Haldwani (Rural)	11	2095	210229	109255	6404345	30	99546498	474	529	109255	1061611	5
29	Nainital	11	840	44664	17195	523164	12	28392176	636	262	17195	156649	4
30	Ramnagar	11	616	24490	14557	450651	18	20799698	849	253	14557	202684	8
31	Kashipur	11	395	38042	35685	910745	24	78258244	2057	135	35685	303317	8
32	Bazpur	11	365	34552	34552	700645	20	41066087	1189	129	34552	255187	7
33	Jaspur	11	377	33024	33024	817042	25	41619460	1260	187	33024	343099	10
34	Rudrapur	11	2033	100462	100462	5251826	52	202168092	2012	740	100462	1981963	20
35	Sitraganj	11	633	41344	41344	1543520	37	66972176	1620	204	41344	492288	12
36	Khatima	11	577	44149	19018	629685	14	36926921	836	219	19018	258612	6
37	Almora	11	792	11953	11953	347396	29	15458882	1293	185	11953	80322	7
38	Bageshwar	11	408	39274	39274	763060	19	50008048	1273	154	39274	291435	7
39	Ranikhet	11	852	9697	4032	134144	14	5697139	588	253	4032	36901	4
40	Bhikyasain	11	1009	7655	7655	111245	15	6917423	904	179	7655	45402	6
41	Pithoragarh	11	1517	54680	21588	916969	17	40230718	736	296	12534	165907	3
42	Dharchula	11	495	26818	10152	227059	8	14597589	544	218	10152	108345	4
43	Champawat	11	746	22639	6792	288064	13	9763922	431	272	6792	102566	5
	<b>UPCL</b>	<b>11</b>	<b>30488</b>	<b>2562587</b>	<b>2122267</b>	<b>63942681</b>	<b>25</b>	<b>3143580943</b>	<b>1227</b>	<b>9647</b>	<b>2118267</b>	<b>22507461</b>	<b>9</b>