

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of December 2023

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	Nos.	Min	Nos.				
1	Raipur Dehradun	11	61	7239	4343	136125	19	3698752	511	25	4343	68912	10
2	Mohanpur	11	33	5620	3091	102003	18	1931875	344	14	3091	43274	8
3	Vikasnagar	11	195	46556	37245	1191738	26	26967038	579	12	37245	81276	2
4	Rishikesh	11	282	16465	11526	213862	13	3253252	198	20	11526	10308	1
5	Uttarkashi	11	195	10022	6013	148852	15	1744623	174	17	6013	10824	1
6	Barkot	11	24	2370	849	20376	9	360825	152	7	849	5943	3
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	680	3860	2702	67793	18	1928688	500	509	2702	54787	14
9	Dehradun (South)	11	1085	109927	71453	1380017	13	38854081	353	332	71453	446230	4
10	Dehradun (Central)	11	466	3792	3034	36446	10	1631036	430	292	3034	22010	6
11	Srinagar	11	189	18888	11333	247573	13	5960969	316	36	11333	52468	3
12	Pauri	11	143	16935	7625	167488	10	3470924	205	50	7632	39635	2
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	128	29942	20959	196494	7	10158834	339	385	20959	672777	22
15	Gopeshwar	11	345	9393	5636	313367	33	6148750	655	21	5636	16644	2
16	Narayanbagar	11	42	1760	792	16632	9	2671652	1518	3	792	1079	1
17	Gairsain	11	190	10594	6356	238880	23	4142571	391	31	6356	45344	4
18	Kotdwar	11	649	64959	45471	1086365	17	25878630	398	297	45471	562177	9
19	Rudraprayag	11	231	6571	4919	238324	36	4691974	714	9	4919	9600	1
20	Roorkee(Urban)	11	1620	31520	24325	1071680	34	37760960	1198	95	24325	213706	7
21	Roorkee(Rural)	11	848	21545	16159	710985	33	35161440	1632	105	16159	242385	11
22	Ramnagar (Roorkee)	11	437	20856	18338	667796	32	14746535	707	71	18338	108498	5
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	269	2204	1670	13588	6	210388	95	88	1670	5158	2
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	567	23646	20588	596451	25	27734016	1173	8	20588	8350	0
27	Laksar	11	191	17263	9495	704550	41	25341438	1468	42	9495	157716	9
28	Hadwani (Urban)	11	724	124318	55943	2014507	16	26586823	214	85	55943	248720	2
29	Haldwani (Rural)	11	89	14972	5241	139103	9	2658035	178	18	5241	37094	2
30	Nainital	11	191	28287	19801	267542	9	9080948	321	49	19801	73436	3
31	Ramnagar	11	136	21573	9708	252273	12	3036350	141	47	9708	88608	4
32	Kashipur	11	524	39753	23852	1144097	29	25784484	649	163	23852	364182	9
33	Bazpur	11	296	14784	8870	434222	29	10993496	744	34	8870	48773	3
34	Jaspur	11	36	11368	10231	92025	8	2463021	217	9	10231	23018	2
35	Rudrapur-I	11	757	35990	25193	1043710	29	36565840	1016	53	25193	94350	3
36	Rudrapur-II	11	627	41204	28843	1030100	25	41512622	1007	29	28843	58640	1
37	Sitraganj	11	65	9343	6540	107406	11	5281801	565	0	6540	0	0
38	Khatima	11	133	9576	5746	111951	12	1991955	208	0	5746	0	0
39	Almora	11	488	9700	5335	248429	26	6022942	621	67	5335	30791	3
40	Bageshwar	11	255	8752	5251	373666	43	4689771	536	49	5251	63113	7
41	Ranikhet	11	83	3984	2789	70419	18	737288	185	12	2789	6326	2
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	329	38685	17453	684910	18	10689761	276	35	17453	82344	2
44	Dharchula	11	310	11310	7666	221823	20	6251010	553	98	7666	16801	1
45	Champawat	11	142	14360	4308	124060	9	4174387	291	47	4308	35535	2
	<b>UPCL</b>	<b>11</b>	<b>14055</b>	<b>919886</b>	<b>576691</b>	<b>17927629</b>	<b>19</b>	<b>482969785</b>	<b>525</b>	<b>3264</b>	<b>576698</b>	<b>4150832</b>	<b>5</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of December 2023

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	Nos.	Min	Nos.				
1	Raipur Dehradun	11	650	41049	28734	1451123	35	19928965	485	435	28734	441789	11
2	Mohanpur	11	518	43900	28131	1019379	23	19625907	447	369	28131	636209	14
3	Vikasnagar	11	748	119431	95545	2806093	23	43130721	361	20	95545	116507	1
4	Rishikesh	11	239	16082	12061	316811	20	6643811	413	0	12061	0	0
5	Uttarkashi	11	690	19630	10797	549783	28	11418311	582	199	10797	156006	8
6	Barkot	11	619	24419	19104	506460	21	6708660	275	617	19104	512970	21
7	Doiwala	11	347	25514	17860	355501	14	8355594	327	72	17860	71336	3
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1285	59279	35567	1068953	18	29619834	500	163	35567	140051	2
12	Pauri	11	724	63922	35157	875491	14	15254687	239	102	35157	121341	2
13	Nainidanda	11	853	28373	20033	441072	16	3419953	121	266	20033	165683	6
14	Tehri	11	1030	105212	73648	1489061	14	205420282	1952	1561	73648	1858492	18
15	Gopeshwar	11	759	9862	5917	338329	34	8662132	878	104	5917	32346	3
16	Narayanbagar	11	363	11506	5178	183033	16	22857542	1987	26	5178	13923	1
17	Gairsain	11	479	29534	17720	381625	13	10690684	362	46	17720	40871	1
18	Kotdwar	11	1150	36486	20067	1009649	28	19834871	544	315	20067	524949	14
19	Rudraprayag	11	998	14580	11112	574138	39	17190455	1179	49	11112	24368	2
20	Roorkee(Urban)	11	1930	24800	17360	1091200	44	69861600	2817	460	17360	471200	19
21	Roorkee(Rural)	11	2645	86982	65237	2522478	29	253204602	2911	491	65237	1281255	15
22	Ramnagar (Roorkee)	11	496	28949	23680	783019	27	26938368	931	151	23680	238379	8
23	Bhagwanpur	11	2212	3568	2498	103472	29	4342256	1217	839	2498	68035	19
24	Haridwar(Urban)	11	356	263	158	11649	44	503640	1915	60	158	1797	7
25	Haridwar(Rural)	11	90	137127	8147	2468286	18	36475782	266	19	8147	548508	4
26	Jwalapur	11	904	29807	21250	890132	30	26135005	877	9	21250	4039	0
27	Laksar	11	1396	146510	80581	5553741	38	162129426	1107	113	80581	559066	4
28	Hadwani (Urban)	11	225	18129	8158	702070	39	12458292	687	29	8158	74124	4
29	Haldwani (Rural)	11	1782	265828	144935	4142357	16	71770727	270	389	144935	1031029	4
30	Nainital	11	466	46417	32492	649838	14	4393015	95	185	32492	112315	2
31	Ramnagar	11	937	29804	16661	766533	26	12880010	432	201	16661	146236	5
32	Kashipur	11	1080	56444	39511	1989219	35	55527391	984	498	39511	845526	15
33	Bazpur	11	1434	51077	28092	2188160	43	76806335	1504	180	28092	488154	10
34	Jaspur	11	621	31456	22019	924398	29	48425481	1539	262	22019	380398	12
35	Rudrapur-I	11	189	11740	7631	305240	26	14123220	1203	19	7631	23240	2
36	Rudrapur-II	11	1138	39601	27721	1148429	29	58332273	1473	38	27721	78311	2
37	Sitraganj	11	734	35101	17551	697006	20	37230847	1061	0	17551	0	0
38	Khatima	11	493	48655	26760	954148	20	22587553	464	0	26967	0	0
39	Almora	11	1502	13587	7473	406102	30	10708472	788	174	7473	51044	4
40	Bageshwar	11	1508	43384	28200	1714881	40	29119394	671	190	28200	225781	5
41	Ranikhet	11	1087	12743	7646	421547	33	7083854	556	138	7646	53589	4
42	Bhikiyasain	11	672	8501	5101	158695	19	2568934	302	207	5101	36819	4
43	Pithoragarh	11	1425	60853	36512	1447378	24	28483111	468	163	36512	170808	3
44	Dharchula	11	895	27455	14456	670225	24	29832121	1087	510	14456	52312	2
45	Champawat	11	717	42238	12986	454953	11	12395429	293	224	12986	147825	3
<b>UPCL</b>		<b>11</b>	<b>38386</b>	<b>1949798</b>	<b>1139444</b>	<b>46531654</b>	<b>24</b>	<b>1563079543</b>	<b>802</b>	<b>9893</b>	<b>1139651</b>	<b>11946628</b>	<b>6</b>