

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of January 2024

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	62	7239	4343	136852	19	3699921	511	24	4343	68746	9
2	Mohanpur	11	64	5620	3091	197824	35	4682865	833	13	3091	40183	7
3	Vikasnagar	11	191	46556	37245	1149040	25	26235185	564	6	37245	37009	1
4	Rishikesh	11	384	26388	18472	402604	15	10337790	392	35	18472	42120	2
5	Uttarkashi	11	247	10022	4009	124171	12	5339389	533	13	4009	5607	1
6	Barkot	11	22	2370	849	18678	8	345543	146	4	849	3396	1
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	691	4328	2597	84978	20	2155950	498	571	2597	72798	17
9	Dehradun (South)	11	1345	109527	65716	1604874	15	24483238	224	407	65716	540784	5
10	Dehradun (Central)	11	480	4608	3686	48986	11	1594707	346	235	3686	24910	5
11	Srinagar	11	157	18888	9444	181266	10	3454717	183	36	9444	38710	2
12	Pauri	11	136	16929	7618	169780	10	2486732	147	10	7618	10031	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	156	29942	20959	234553	8	10322624	345	412	20959	698422	23
15	Gopeshwar	11	301	9457	5674	263638	28	5084247	538	35	5674	30306	3
16	Narayanbagar	11	37	1760	968	17775	10	1493660	849	5	968	2553	1
17	Gairsain	11	151	10594	6356	189867	18	3320159	313	15	6356	19377	2
18	Kotdwar	11	1017	64959	28582	1072725	17	51871918	799	405	28582	458339	7
19	Rudraprayag	11	294	6863	3088	190181	28	4888385	712	6	3088	3744	1
20	Roorkee(Urban)	11	1675	31520	20488	1229280	39	50179840	1592	80	20488	179979	6
21	Roorkee(Rural)	11	1076	21545	16159	861800	40	35010625	1625	153	16159	353190	16
22	Ramnagar (Roorkee)	11	435	20856	18206	586461	28	23754597	1139	97	18206	147162	7
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	453	2850	2094	27078	10	1408473	494	92	2094	5865	2
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	523	23646	14188	369065	16	18900288	799	10	14188	12538	1
27	Laksar	11	92	17263	11221	410562	24	15559337	901	24	11221	108532	6
28	Hadwani (Urban)	11	1089	124318	49727	2082299	17	36102839	290	127	49727	284524	2
29	Haldwani (Rural)	11	128	11069	6925	259945	23	5238549	473	27	6925	50238	5
30	Nainital	11	196	28396	23796	284875	10	9586398	338	42	23796	67313	2
31	Ramnagar	11	162	21573	8229	238269	11	2476805	115	44	8229	62572	3
32	Kashipur	11	718	39753	19081	1289375	32	36842750	927	168	19081	310668	8
33	Bazpur	11	502	14827	5189	436143	29	16033411	1081	70	5189	63410	4
34	Jasgur	11	55	11368	7958	112218	10	5520088	486	18	7958	37425	3
35	Rudrapur-I	11	861	35990	21594	1063864	30	48478530	1347	55	21594	102750	3
36	Rudrapur-II	11	768	41204	26783	1342426	33	43151301	1047	29	26783	58640	1
37	Sitraganj	11	65	10288	7202	117147	11	5629294	547	0	7202	0	0
38	Khatima	11	144	9796	2893	88341	9	1165505	119	0	2893	0	0
39	Almora	11	428	10752	6451	266270	25	2958874	275	39	6451	18683	2
40	Bageshwar	11	227	8753	4814	305583	35	4379326	500	44	4814	59873	7
41	Ranikhet	11	93	3871	2710	72930	19	888326	229	25	2710	17356	4
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	249	38745	21310	626940	16	11165906	288	18	21310	45183	1
44	Dharchula	11	350	11410	7862	234924	21	6231201	546	100	7862	16890	1
45	Champawat	11	113	14549	4365	106616	7	4626093	318	45	4365	37679	3
	UPCL	11	16137	930392	531943	18500203	20	547085387	588	3539	531943	4137504	4

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of January 2024

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	649	41049	68415	1451100	35	19929152	485	432	68415	441605	11
2	Mohanpur	11	774	43900	28131	1619130	37	31094354	708	356	28131	628761	14
3	Vikasnagar	11	777	119431	95545	3046123	26	58872519	493	11	95545	74660	1
4	Rishikesh	11	362	23645	16552	667138	28	10789019	456	0	16552	0	0
5	Uttarkashi	11	572	17246	7761	350482	20	7122164	413	182	7761	121651	7
6	Barkot	11	604	24419	17864	459998	19	6007580	246	533	17864	399424	16
7	Doiwala	11	755	25514	15308	656204	26	23634674	926	66	15308	56263	2
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1010	59279	29639	759275	13	17308277	292	104	29639	78133	1
12	Pauri	11	599	65829	36206	741134	11	12813838	195	95	36206	120616	2
13	Nainidanda	11	379	28230	22584	275698	10	3069941	109	230	22584	174690	6
14	Tehri	11	1145	105212	63127	1387295	13	184810737	1757	1621	63127	1689707	16
15	Gopeshwar	11	1061	10154	6092	448777	44	11678392	1150	119	6092	42656	4
16	Narayanbagar	11	314	11506	5178	156802	14	14569082	1266	52	5178	26986	2
17	Gairsain	11	449	29534	17720	377344	13	13730054	465	46	17720	46265	2
18	Kotdwar	11	1024	36486	16419	649490	18	12113086	332	288	16419	376273	10
19	Rudraprayag	11	1114	15909	8750	509199	32	23487345	1476	53	8750	19750	1
20	Roorkee(Urban)	11	1965	25300	16445	961400	38	90371600	3572	485	16445	584177	23
21	Roorkee(Rural)	11	3869	86982	65237	3392298	39	296869566	3413	568	65237	1482185	17
22	Ramnagar (Roorkee)	11	758	28949	21925	904077	31	41252325	1425	126	21925	184170	6
23	Bhagwanpur	11	2396	4361	2835	135191	31	6223147	1427	808	2835	80084	18
24	Haridwar(Urban)	11	684	365	219	28973	79	1361097	3729	95	219	4037	11
25	Haridwar(Rural)	11	164	440641	10227	7490897	17	271637918	616	78	10227	3905577	9
26	Jwalapur	11	1184	29807	17884	1045859	35	39475507	1324	30	17884	23782	1
27	Laksar	11	1735	179792	107875	8819534	49	369149110	2053	282	107875	1076778	6
28	Hadwani (Urban)	11	229	18129	4062	326145	18	4913644	271	24	4062	32401	2
29	Haldwani (Rural)	11	2324	270705	177758	6577953	24	101402898	375	779	177758	2567162	9
30	Nainital	11	560	46425	27855	575834	12	9021176	194	110	27855	114530	2
31	Ramnagar	11	1024	29804	16661	784453	26	15246221	512	228	16661	170418	6
32	Kashipur	11	1420	56444	27093	1574438	28	123384407	2186	571	27093	599325	11
33	Bazpur	11	2042	131220	45927	7894684	60	139382737	1062	236	45927	1268579	10
34	Jasipur	11	549	33024	19814	687478	21	29315120	888	245	19814	307018	9
35	Rudrapur-I	11	306	11740	7044	316980	27	23303900	1985	22	7044	33160	3
36	Rudrapur-II	11	1516	39601	23761	2437838	62	106605892	2692	38	23761	78311	2
37	Sitraganj	11	706	34476	17238	656966	19	38052171	1104	0	17238	0	0
38	Khatima	11	360	48644	29186	727889	15	18108131	372	0	29186	0	0
39	Almora	11	1453	15254	9152	481765	32	9145417	600	117	9152	42334	3
40	Bageshwar	11	1338	43387	23863	1242453	29	19926268	459	152	23863	141802	3
41	Ranikhet	11	901	12339	7403	311141	25	5233267	424	128	7403	42400	3
42	Bhikiyasain	11	673	9602	5761	150697	16	2241082	233	172	5761	38406	4
43	Pithoragarh	11	1475	60994	27146	876947	14	18908243	310	148	27146	95076	2
44	Dharchula	11	910	28921	15325	681201	24	29942122	1035	610	15325	53215	2
45	Champawat	11	721	43973	13504	473800	11	14157639	322	221	13504	148923	3
	UPCL	11	42850	2388223	1196491	63112079	26	2275660818	953	10461	1196491	17371289	7