

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of December 2021

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			
						$\sum Ai \times Ni$ 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	148	7682	7682	352598	46	3789126	493	55	7682	110588	14
2	Mohanpur	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	11	652	49402	39770	1795528	36	30166965	611	38	39770	123707	3
4	Rishikesh	11	433	35386	35386	520248	15	7496235	212	11	35386	8436	0
5	Uttarkashi	11	87	8288	7619	137118	17	11367548	1372	8	7619	13297	2
6	Barkot	11	30	2370	849	25470	11	462705	195	68	849	21330	9
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	689	3764	3764	70161	19	1296322	344	453	3764	46975	12
9	Dehradun (South)	11	1103	100578	100578	2210144	22	32760401	326	299	100578	647527	6
10	Dehradun (Central)	11	304	2266	2266	33918	15	1100270	486	243	2266	20117	9
11	Srinagar	11	25	599	299	7519	13	197627	330	3	299	1021	2
12	Pauri	11	122	16929	7120	170010	10	1967250	116	7	620	1145	0
13	Tehri	11	168	29942	29942	335350	11	16579883	554	70	29942	139729	5
14	Gopeshwar	11	379	8761	8761	340502	39	10596083	1209	51	8761	67400	8
15	Narayanbagar	11	41	2072	2072	50330	24	308290	149	21	2072	26754	13
16	Gairsain	11	220	7633	7633	515442	68	7182776	941	29	7633	64958	9
17	Kotdwar	11	441	56803	46717	873628	15	24417188	430	646	46717	1368325	24
18	Rudraprayag	11	181	5485	1389	45061	8	975167	178	43	1389	7111	1
19	Roorkee(Urban)	11	978	32550	21940	1179938	36	54804900	1684	42	32550	97650	3
20	Roorkee(Rural)	11	368	23059	17294	795524	34	27508269	1193	48	17294	103764	4
21	Ramnagar (Roorkee)	11	471	22862	19184	695051	30	13656057	597	88	19184	129861	6
22	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
23	Haridwar(Urban)	11	344	2064	1558	14634	7	485453	235	59	1558	3529	2
24	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
25	Jwalapur	11	529	21796	19670	613316	28	4280298	196	9	19670	196164	9
26	Laksar	11	68	4810	4810	163660	34	2863110	595	13	4810	47610	10
27	Hadwani (Urban)	11	764	95436	95436	674948	7	9292932	97	76	95436	382944	4
28	Haldwani (Rural)	11	36	4862	3260	19915	4	209151	43	2	3260	1048	0
29	Nainital	11	198	27814	27814	322155	12	9178773	330	52	27814	72765	3
30	Ramnagar	11	219	16959	16959	249920	15	3851370	227	43	16959	176164	10
31	Kashipur	11	347	39753	39753	1242381	31	33206398	835	164	39753	587278	15
32	Bazpur	11	286	13705	13705	671468	49	12491106	911	48	13705	111400	8
33	Jaspur	11	67	11368	11368	193256	17	5256560	462	16	11368	46052	4
34	Rudrapur-I	11	598	44270	44270	1271590	29	53138300	1200	82	44270	177080	4
35	Rudrapur-II	11	379	22909	22909	746035	33	26112419	1140	27	22909	55734	2
36	Sitraganj	11	93	7392	3696	88706	12	4278889	579	0	3696	0	0
37	Khatima	11	235	14205	3795	148638	10	4304163	303	0	3795	0	0
38	Almora	11	809	27093	12842	1025903	38	21408117	790	73	12842	78169	3
39	Bageshwar	11	84	4176	4176	350784	84	6456096	1546	13	4176	54248	13
40	Ranikhet	11	153	3580	3580	222840	62	2533163	708	26	3580	25463	7
41	Bhikyasain	11	-	-	-	-	-	-	-	-	-	-	-
42	Pithoragarh	11	498	35996	11536	717407	20	10561677	293	40	8026	45791	1
43	Dharchula	11	250	10655	7625	175251	16	2862545	269	31	6020	14204	1
44	Champawat	11	367	12987	3896	194805	15	3077919	237	79	3896	51948	4
	UPCL	11	13164	838260	712923	19261150	23	462481500	552	3076	711918	5127287	6

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of December 2021

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			
						$\sum Ai \times Ni$ 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	947	41329	41329	2396544	58	21726327	526	584	41329	741045	18
2	Mohanpur	11	637	49235	31034	1441199	29	28644856	582	382	31034	730864	15
3	Vikasnagar	11	333	19459	14201	300639	15	5995146	308	0	14201	0	0
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	285	19948	18048	291739	15	42376704	2124	19	18048	19964	1
6	Barkot	11	635	20264	17239	379221	19	5150843	254	640	17239	182376	9
7	Doiwala	11	294	18979	18979	394573	21	7376948	389	53	18979	74587	4
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	35	1514	757	26276	17	552502	365	5	757	3519	2
12	Pauri	11	881	63671	21310	1037179	16	17876360	281	259	8860	129555	2
13	Tehri	11	1520	105212	105212	2498785	24	94472156	898	234	105212	384681	4
14	Gopeshwar	11	698	9020	9020	260547	29	14947068	1657	124	9020	68825	8
15	Narayanbagar	11	414	10044	10044	335512	33	1701040	169	103	10044	113176	11
16	Gairsain	11	394	22248	22248	582792	26	12213210	549	63	22248	78975	4
17	Kotdwar	11	1774	53146	18205	840328	16	12841005	242	611	18205	359070	7
18	Rudraprayag	11	767	12138	3409	127348	10	3750338	309	188	3409	31600	3
19	Roorkee(Urban)	11	1358	22458	22458	1452284	65	92884149	4136	331	23876	353981	16
20	Roorkee(Rural)	11	2248	106480	79860	5280155	50	173026085	1625	524	79860	1230784	12
21	Ramnagar (Roorkee)	11	441	24116	19970	880677	37	15081344	625	157	19970	313529	13
22	Bhagwanpur	11	2010	4137	4137	188978	46	8546090	2066	369	4137	34693	8
23	Haridwar(Urban)	11	404	275	213	16803	61	332970	1211	90	213	4216	15
24	Haridwar(Rural)	11	108	7676	6978	94203	12	7128899	929	28	6978	24423	3
25	Jwalapur	11	704	27747	20426	636113	23	7239791	261	130	20426	655380	24
26	Laksar	11	1516	88402	88402	6835993	77	302169968	3418	318	88402	1315697	15
27	Hadwani (Urban)	11	185	10424	10424	105948	10	1265751	121	29	10424	142641	14
28	Haldwani (Rural)	11	1294	225846	140860	2899131	13	49324819	218	402	140860	1025823	5
29	Nainital	11	474	47045	47045	301675	6	4133022	88	138	47045	85551	2
30	Ramnagar	11	975	29448	29448	759193	26	15076061	512	206	29448	328515	11
31	Kashipur	11	858	53494	53494	1910001	36	46871273	876	287	53494	569369	11
32	Bazpur	11	1407	38171	38171	3002615	79	85514495	2240	157	38134	352215	9
33	Jaspur	11	678	33024	31456	1365523	41	71238955	2157	272	31456	536277	16
34	Rudrapur-I	11	803	86047	86047	3071113	36	102480800	1191	85	86047	275251	3
35	Rudrapur-II	11	1306	42191	42191	2801752	66	64992019	1540	38	42191	84382	2
36	Sitraganj	11	647	23853	11947	459877	19	11671141	489	0	11947	0	0
37	Khatima	11	663	48492	12351	481689	10	15631280	322	0	12351	0	0
38	Almora	11	1519	27093	14251	928252	34	20589565	760	141	14251	121278	4
39	Bageshwar	11	1690	42906	42906	3180291	74	57612546	1343	133	42906	251996	6
40	Ranikhet	11	1170	11302	11302	632376	56	12903735	1142	230	11302	116210	10
41	Bhikyasain	11	764	9942	9942	246815	25	4712501	474	124	9942	43859	4
42	Pithoragarh	11	1773	56411	25630	992265	18	17274731	306	193	15118	86101	2
43	Dharchula	11	725	24468	11630	582951	24	11251251	460	193	6025	38251	2
44	Champawat	11	960	24164	7249	386624	16	5896016	244	386	7249	144984	6
	UPCL	11	36294	1561819	1199822	50405980	32	1474473761	944	8226	1172636	11053644	7