

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of April 2022

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			
						$\sum Ai \times Ni$ 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	76	7239	7239	138903	19	3788090	523	30	7239	85276	12
2	Mohanpur	11	40	5525	3039	121550	22	7147140	1294	11	3039	33426	6
3	Vikasnagar	11	276	19550	15893	645571	33	11713164	599	17	15893	62297	3
4	Rishikesh	11	403	34882	34882	537127	15	8208743	235	32	4983	33775	1
5	Uttarkashi	11	80	8225	7563	126693	15	224454	27	5	7563	6490	1
6	Barkot	11	24	2370	849	20376	9	436386	184	28	849	23772	10
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	616	3049	3049	50285	16	1433880	470	467	3049	44122	14
9	Dehradun (South)	11	1121	107944	107944	2097897	19	30101587	279	423	107944	822086	8
10	Dehradun (Central)	11	409	3650	3650	168780	46	2768651	759	317	3650	50308	14
11	Srinagar	11	166	18888	9444	225838	12	4692172	248	19	9444	26173	1
12	Pauri	11	139	16935	7052	184275	11	2919350	172	50	1499	12820	1
13	Tehri	11	174	29942	29942	441075	15	25302600	845	518	29942	1226075	41
14	Gopeshwar	11	392	6883	6883	382216	56	14068906	2044	66	6883	49392	7
15	Narayanbagar	11	45	2072	2072	51618	25	298532	144	19	2072	20398	10
16	Gairsain	11	259	10594	10594	589080	56	13754566	1298	20	10594	38280	4
17	Kotdwar	11	897	56803	46717	1801895	32	119191500	2098	590	46717	1133245	20
18	Rudraprayag	11	129	3963	2636	59976	15	836078	211	21	2636	12390	3
19	Roorkee(Urban)	11	1397	32411	21402	2203948	68	103131802	3182	227	21402	615809	19
20	Roorkee(Rural)	11	741	20835	17180	1591321	76	96542267	4634	81	17180	173950	8
21	Ramnagar (Roorkee)	11	604	22863	16537	768334	34	23622468	1033	130	16537	165370	7
22	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
23	Haridwar(Urban)	11	316	2674	1927	18266	7	899223	336	95	1564	7321	3
24	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
25	Jwalapur	11	649	21796	19670	607881	28	6625868	304	15	19670	70976	3
26	Laksar	11	50	4970	4970	112420	23	1822590	367	11	4970	28490	6
27	Hadwani (Urban)	11	852	118072	19148	924605	8	14198666	120	66	118072	393573	3
28	Haldwani (Rural)	11	51	5335	4233	44975	8	1082119	203	26	4233	29913	6
29	Nainital	11	203	27829	22208	321596	12	11888802	427	77	22208	111168	4
30	Ramnagar	11	250	16959	5615	298350	18	3985110	235	67	16959	319987	19
31	Kashipur	11	552	39753	39753	1882623	47	81544179	2051	168	39753	552508	14
32	Bazpur	11	459	13851	13851	1058416	76	54554827	3939	69	13851	159620	12
33	Jaspur	11	63	11368	11368	187030	16	10201460	897	10	11368	29568	3
34	Rudrapur-I	11	1992	44270	44270	5333970	120	148272748	3349	78	44270	177380	4
35	Rudrapur-II	11	739	36751	36751	1531979	42	56960959	1550	27	36751	55734	2
36	Sitraganj	11	236	7545	3772	150900	20	3976215	527	0	3772	0	0
37	Khatima	11	158	11491	7205	248985	22	6679750	581	0	7205	0	0
38	Almora	11	498	7077	7077	311981	44	5275601	745	79	7077	49781	7
39	Bageshwar	11	70	4176	4176	292320	70	3887856	931	13	4176	54288	13
40	Ranikhet	11	117	2559	2559	95140	37	1306958	511	62	2559	39677	16
41	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
42	Pithoragarh	11	500	36462	11927	703435	19	14848337	407	35	11927	50843	1
43	Dharchula	11	242	10680	7235	189213	18	2893212	271	35	6321	14011	1
44	Champawat	11	256	12474	3845	144404	12	4613896	370	51	3845	41430	3
	UPCL	11	16241	850714	626126	26665247	31	905700712	1065	4055	699665	6821723	8

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of April 2022

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			
						$\sum A_i \times N_i$ 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	91	41049	41049	1482724	36	20294859	494	496	41049	556906	14
2	Mohanpur	11	613	43710	27995	1571312	36	34941676	799	340	27995	535536	12
3	Vikasnagar	11	935	53631	41312	1539894	29	33127865	618	26	41312	70771	1
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	239	16784	15239	268375	16	673858	40	14	15239	15489	1
6	Barkot	11	549	22594	18708	479122	21	7661876	339	500	18708	448405	20
7	Doiwala	11	418	18979	18979	578559	30	16780811	884	54	18979	79699	4
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1774	46916	23458	1118351	24	30471227	649	340	23458	304364	6
12	Pauri	11	899	69304	20900	1057589	15	35615855	514	378	11625	289920	4
13	Tehri	11	1572	105212	105212	3622270	34	333720129	3172	2776	105212	5829282	55
14	Gopeshwar	11	1029	7514	7514	543056	72	28963651	3855	315	7514	156015	21
15	Narayanbagar	11	425	10044	10044	341574	34	1842140	183	122	10044	142298	14
16	Gairsain	11	988	22574	22574	1204025	53	31634922	1401	80	22130	89644	4
17	Kotdwar	11	2527	53146	18205	1291622	24	29809090	561	829	18205	552566	10
18	Rudraprayag	11	922	9980	6593	282620	28	7677555	769	195	6593	56190	6
19	Roorkee(Urban)	11	1683	23470	23470	1854130	79	98268890	4187	507	23470	610220	26
20	Roorkee(Rural)	11	3310	86622	64967	8432906	97	462943636	5344	595	64967	1515885	18
21	Ramnagar (Roorkee)	11	521	24116	18450	961245	40	18485055	767	109	18450	201105	8
22	Bhagwanpur	11	2367	3367	3367	257652	77	8751063	2599	411	3367	33670	10
23	Haridwar(Urban)	11	325	246	199	12744	52	192375	782	126	198	5088	21
24	Haridwar(Rural)	11	238	8575	7796	231931	27	19619609	2288	23	7796	22414	3
25	Jwalapur	11	871	34238	18921	686666	20	13639969	398	154	18921	315524	9
26	Laksar	11	1170	90922	90922	6321171	70	356297232	3919	231	90922	1126100	12
27	Hadwani (Urban)	11	164	18129	1639	98260	5	1452043	80	33	18129	193539	11
28	Haldwani (Rural)	11	1607	226486	143135	3821373	17	70385037	311	449	143135	1127334	5
29	Nainital	11	346	47458	17778	213957	5	10987377	232	256	17778	161103	3
30	Ramnagar	11	1123	29448	16411	929856	32	17651833	599	288	29294	517673	18
31	Kashipur	11	1659	53494	48045	3368641	63	198669302	3714	510	48045	890148	17
32	Bazpur	11	2187	38584	38584	4327996	112	291022374	7543	248	38584	571014	15
33	Jasipur	11	844	31456	33024	1722324	55	76820677	2442	267	33024	543867	17
34	Rudrapur-I	11	1930	86047	86047	8319862	97	544743354	6331	98	86047	320723	4
35	Rudrapur-II	11	1766	42191	42191	3712181	88	317220951	7519	38	42191	80092	2
36	Sitraganj	11	623	26383	13192	501277	19	18045972	684	0	13192	0	0
37	Khatima	11	508	48492	18114	666016	14	18545606	382	0	18114	0	0
38	Almora	11	1780	11320	11320	773662	68	24764770	2188	513	11320	224484	20
39	Bageshwar	11	2090	42913	42913	4015255	94	82455614	1921	410	42913	779167	18
40	Ranikhet	11	1325	10122	10122	585168	58	12736175	1258	476	10122	200227	20
41	Bhikiyasain	11	1046	8269	8269	288054	35	11921118	1442	503	8269	131683	16
42	Pithoragarh	11	2758	56776	25749	1606474	28	44581666	785	379	25749	194636	3
43	Dharchula	11	655	22565	12540	475511	21	9112132	404	235	6260	42232	2
44	Champawat	11	1028	30486	9487	542298	18	9691913	318	449	9487	229256	8
	UPCL	11	46905	1623612	1184433	70107703	43	3352221257	2065	13773	1197806	19164267	12