

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of March 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			
						$\Sigma Ai \times Ni$ for Division	SAIFI	$\Sigma Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\Sigma Ci \times Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	129	7682	7682	315140	41	3508130	457	45	7682	84946	11
2	Mohanpur	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	11	237	19082	15893	553874	29	11508869	603	17	15893	113920	6
4	Rishikesh	11	444	27592	27592	446174	16	6499508	236	6	4371	5666	0.21
5	Uttarkashi	11	69	8288	7619	107521	13	638382	77	6	7619	7659	1
6	Barkot	11	41	2370	849	27374	12	337415	142	51	849	12774	5
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	696	3822	3822	75102	20	2034183	532	178	3822	21396	6
9	Dehradun (South)	11	1102	112477	112477	2015588	18	38180318	339	307	114145	934684	8
10	Dehradun (Central)	11	292	3424	3424	125707	37	2031439	593	252	3424	23101	7
11	Srinagar	11	125	18888	9444	165270	9	4048811	214	14	9444	18492	1
12	Pauri	11	121	16929	6960	142890	8	2188550	129	13	575	1595	0.1
13	Tehri	11	173	29942	29942	456515	15	25844060	863	501	29942	1068977	36
14	Gopeshwar	11	228	8049	8049	276127	34	9022987	1121	27	8049	33247	4
15	Narayanbagar	11	62	2072	2072	60316	29	439968	212	95	2072	34064	16
16	Gairsain	11	176	10594	10594	350762	33	6921210	653	13	10594	22918	2
17	Kotdwar	11	545	56803	56803	1381213	24	86439228	1522	439	56803	1167162	21
18	Rudraprayag	11	111	4386	1211	23306	5	527029	120	10	1389	2243	1
19	Roorkee(Urban)	11	1205	32411	21402	1898960	59	96527088	2978	77	21402	265446	8
20	Roorkee(Rural)	11	519	23059	17294	1044112	45	46784636	2029	113	17294	324440	14
21	Ramnagar (Roorkee)	11	483	22862	19184	720313	32	23104179	1011	99	19184	219955	10
22	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
23	Haridwar(Urban)	11	330	2017	1481	68578	34	7355999	3647	64	1481	4034	2
24	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
25	Jwalapur	11	882	24088	21962	650713	27	7845823	326	29	21962	407328	17
26	Laksar	11	54	4970	4970	166340	33	2416680	486	5	4970	13110	3
27	Hadwani (Urban)	11	820	118072	13610	680273	6	6751686	57	58	118072	350627	3
28	Haldwani (Rural)	11	35	4899	3371	24675	5	381649	78	6	3371	5335	1
29	Nainital	11	254	27820	27820	412798	15	9678049	348	52	27820	72558	3
30	Ramnagar	11	195	16959	5615	247205	15	2757545	163	51	5615	72785	4
31	Kashipur	11	447	39753	39753	1593033	40	35760604	900	185	39753	591374	15
32	Bazpur	11	318	13799	13806	735454	53	25537746	1851	53	13799	126707	9
33	Jaspur	11	48	11368	11368	135462	12	4626410	407	9	11368	26522	2
34	Rudrapur-I	11	1097	44270	44270	2590330	61	84336847	1905	97	44270	289145	7
35	Rudrapur-II	11	436	22909	22909	656505	31	23069956	1007	39	22909	120456	5
36	Sitraganj	11	189	7545	3772	117475	18	3366980	446	0	3772	0	0
37	Khatima	11	178	11491	5445	182600	17	4424098	385	0	5445	0	0
38	Almora	11	573	12826	12826	675509	55	9777513	762	78	12826	96901	8
39	Bageshwar	11	75	4176	4176	313200	75	626400	150	17	4176	70992	17
40	Ranikhet	11	110	3886	3886	93849	24	1064351	274	28	3886	28529	7
41	Bhikyasain	11	-	-	-	-	-	-	-	-	-	-	-
42	Pithoragarh	11	440	36338	11686	623440	17	8879717	244	28	8990	29709	1
43	Dharchula	11	255	10670	7250	181256	17	2912352	273	35	6251	13201	1
44	Champawat	11	241	12987	3896	233766	18	3727269	287	89	3896	90909	7
	UPCL	11	13735	841575	626184	20568724	24	611883664	727	3186	699184	6772905	8

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of March 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			
						$\sum Ai \times Ni$ 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	862	41329	41329	2213732	54	19495509	472	453	41329	562739	14
2	Mohanpur	11	589	49235	31034	1410593	29	33772852	686	246	31034	541862	11
3	Vikasnagar	11	859	53631	41312	1676189	31	27040805	504	37	41312	195765	4
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	240	19948	18048	241739	12	2124992	107	17	18048	16978	1
6	Barkot	11	717	20264	17239	426061	21	6565540	324	423	17239	182440	9
7	Doiwala	11	282	18979	18979	351079	18	6248656	329	45	18979	65990	3
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1071	46916	23458	778684	17	16736251	357	157	23458	138710	3
12	Pauri	11	732	63671	19645	870679	14	18865650	296	164	4060	43400	1
13	Tehri	11	1589	105212	105212	3443558	33	331423960	3150	2689	105212	5911333	56
14	Gopeshwar	11	583	7773	7773	402021	52	13479161	1734	167	7773	110898	14
15	Narayanbagar	11	398	10044	10044	415150	41	3108137	309	141	10044	143831	14
16	Gairsain	11	567	22574	22574	779622	35	16197100	718	65	22130	81865	4
17	Kotdwar	11	2243	53146	16745	1118451	21	17325803	326	473	16745	308407	6
18	Rudraprayag	11	623	11374	4426	113796	10	3877935	341	156	4393	28692	3
19	Roorkee(Urban)	11	1595	23470	23470	1769928	75	96442960	4109	413	23470	453750	19
20	Roorkee(Rural)	11	2378	106480	79860	5433889	51	310022399	2912	503	79860	1384331	13
21	Ramnagar (Roorkee)	11	456	24116	19970	788558	33	26653752	1105	204	19970	362331	15
22	Bhagwanpur	11	1871	3260	3260	141228	43	7456316	2287	522	3260	39847	12
23	Haridwar(Urban)	11	412	259	192	16408	63	324786	1254	75	192	2818	11
24	Haridwar(Rural)	11	336	8101	7364	227834	28	8629202	1065	136	7364	224094	28
25	Jwalapur	11	803	27747	20426	999491	36	12408820	447	199	20426	677619	24
26	Laksar	11	1294	98113	98113	7338009	75	380114223	3874	259	98113	1297867	13
27	Hadwani (Urban)	11	193	18129	1762	119941	7	831799	46	21	18129	133301	7
28	Haldwani (Rural)	11	1287	237745	130573	2544964	11	26833367	113	331	130573	716052	3
29	Nainital	11	285	47450	47450	175636	4	8314889	175	146	47450	92305	2
30	Ramnagar	11	977	29448	16411	862141	29	13092074	445	169	16411	133122	5
31	Kashipur	11	1158	53494	48045	2416060	45	124430689	2326	390	48045	697684	13
32	Bazpur	11	1821	38486	38486	3698345	96	158662508	4123	187	38486	398031	10
33	Jaspur	11	742	33024	33024	1571714	48	84287962	2552	163	33024	368353	11
34	Rudrapur-I	11	816	86047	86047	3357687	39	93210310	1083	101	86047	388922	5
35	Rudrapur-II	11	1326	42191	42191	2755979	65	78118288	1852	74	42191	174337	4
36	Sitraganj	11	759	26383	13192	624401	24	21220716	804	0	13192	0	0
37	Khatima	11	602	48492	12752	732919	15	19306032	398	0	12752	0	0
38	Almora	11	1234	16696	16696	818168	49	46700864	2797	138	16696	87353	5
39	Bageshwar	11	1631	42911	42911	3249394	76	49241116	1148	233	42911	435060	10
40	Ranikhet	11	1009	11515	11515	525585	46	8213218	713	215	11515	97054	8
41	Bhikiyasain	11	852	10231	10231	296220	29	28555866	2791	234	10231	82085	8
42	Pithoragarh	11	1912	56680	25715	1086010	19	18526894	327	303	19528	146954	3
43	Dharchula	11	683	22480	12531	420048	19	8954257	398	231	6255	40231	3
44	Champawat	11	912	24164	7249	483280	20	7418348	307	590	7249	265804	11
	UPCL	11	38699	1661208	1227253	56695192	34	2154234006	1297	11070	1215096	17032215	10