

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of August 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	65	7239	5067	137568	19	3714353	513	28	5067	69875	10
2	Mohanpur	11	63	5620	2627	165523	29	4970946	885	19	2627	49920	9
3	Vikasnagar	11	281	46556	25327	1024068	22	21849034	469	11	25327	48674	1
4	Rishikesh	11	807	24655	13314	571251	23	16778415	681	25	13314	14066	1
5	Uttarkashi	11	304	10022	4430	174430	17	6110290	610	28	4430	15910	2
6	Barkot	11	17	2370	849	14433	6	353184	149	7	849	5943	3
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1286	3519	2463	84456	24	2131926	606	685	2463	55600	16
9	Dehradun (South)	11	1683	112477	60231	1797998	16	24702621	220	481	60231	592454	5
10	Dehradun (Central)	11	477	3807	3046	44623	12	988157	260	250	3046	20765	5
11	Srinagar	11	292	18888	9444	307773	16	6744110	357	48	9444	29886	2
12	Pauri	11	215	16929	5660	211105	12	4904475	290	46	5660	24680	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	202	29942	23954	399173	13	19137496	639	408	23954	781741	26
15	Gopeshwar	11	503	4955	1903	119266	24	4414938	891	160	1903	39911	8
16	Narayanbagar	11	127	1760	640	42330	24	4397914	2499	23	640	7206	4
17	Gairsain	11	246	10594	5085	260622	25	12020936	1135	75	5085	87178	8
18	Kotdwar	11	1789	64959	23705	1421236	22	52215150	804	866	23705	624476	10
19	Rudraprayag	11	225	4337	2117	76145	18	1363114	314	12	2117	3912	1
20	Roorkee(Urban)	11	1855	32300	22610	1195100	37	34754800	1076	83	22610	191216	6
21	Roorkee(Rural)	11	874	21545	16159	818710	38	43283905	2009	108	16159	249310	12
22	Ramnagar (Roorkee)	11	539	20856	15766	708141	34	26093481	1251	117	15766	153715	7
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	740	3157	2344	52064	16	1182004	374	133	2344	11196	4
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	1275	23646	12250	821272	35	19237989	814	22	12250	13311	1
27	Laksar	11	185	16500	7277	584779	35	32836095	1990	23	7277	77245	5
28	Hadwani (Urban)	11	1470	124318	16332	1361217	11	22939781	185	170	16332	150404	1
29	Haldwani (Rural)	11	167	13654	7674	328185	24	10758423	788	44	7674	93349	7
30	Nainital	11	261	28202	23690	356373	13	17588333	624	123	23690	179446	6
31	Ramnagar	11	309	21573	6583	356710	17	9457717	438	97	6583	119062	6
32	Kashipur	11	689	39753	12975	870281	22	29512824	742	226	12975	280593	7
33	Bazpur	11	490	14590	6296	526689	36	23452621	1607	104	6296	118405	8
34	Jasgur	11	51	11368	9094	118562	10	4024384	443	7	9094	16966	1
35	Rudrapur-I	11	1280	35990	25193	1043710	29	43799830	1217	45	25193	90320	3
36	Rudrapur-II	11	1105	41204	28843	1071304	26	39391024	956	29	28843	58640	1
37	Sitraganj	11	198	11538	4615	233831	20	8286919	718	0	4615	0	0
38	Khatima	11	193	7215	3683	154440	21	2783484	386	0	3683	0	0
39	Almora	11	619	7757	3351	196205	25	2552482	329	66	3351	20180	3
40	Bageshwar	11	501	8751	4200	564216	64	7489890	856	126	4200	125251	14
41	Ranikhet	11	144	2623	1574	63866	24	808733	308	44	1574	16630	6
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	489	38312	12518	717260	19	12338057	322	77	12518	111816	3
44	Dharchula	11	350	10995	7545	238812	22	5391556	490	65	7545	16235	1
45	Champawat	11	172	12494	4101	142375	11	3794907	304	74	4101	63120	5
	UPCL	11	22538	916970	444536	19376100	21	588556298	642	4955	444536	4628607	5

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of August 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	KW	Nos.	Min			Nos.					
1	Raipur Dehradun	11	662	41049	28734	1467548	36	19932655	486	445	28734	442935	11
2	Mohanpur	11	1019	43900	23911	1831195	42	47997824	1093	575	23911	886329	20
3	Vikasnagar	11	1266	119431	76436	3853696	32	65914851	552	21	76436	110272	1
4	Rishikesh	11	503	18359	8812	538078	29	17860180	973	0	8812	0	0
5	Uttarkashi	11	617	19630	10908	536868	27	25293474	1289	27	10908	20340	1
6	Barkot	11	620	24419	15283	393344	16	5225231	214	587	15283	384830	16
7	Doiwala	11	1032	25514	12400	758951	30	23721998	930	100	12400	69789	3
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	2721	59279	29639	1857590	31	48750702	822	576	29639	451323	8
12	Pauri	11	1296	60922	20210	1118525	18	31349580	515	444	20210	366075	6
13	Nainidanda	11	1149	28372	10838	352325	12	6019679	212	282	10838	107455	4
14	Tehri	11	1531	105212	73648	2280711	22	233603922	2220	1690	73648	2157968	21
15	Gopeshwar	11	1121	8194	3147	223558	27	14217287	1735	436	3147	83907	10
16	Narayanbagar	11	848	11506	4517	365045	32	16458955	1430	109	4517	46048	4
17	Gairsain	11	1029	29534	14176	604474	20	32916506	1115	204	14176	138480	5
18	Kotdwar	11	2538	33774	7118	1048830	31	23169317	686	645	7118	277864	8
19	Rudraprayag	11	1339	12555	6232	387318	31	9897213	788	96	6232	28372	2
20	Roorkee(Urban)	11	1890	24225	16958	1090125	45	53731050	2218	470	16958	542156	22
21	Roorkee(Rural)	11	3294	86982	65237	2261532	26	155436834	1787	820	65237	2139774	25
22	Ramnagar (Roorkee)	11	763	28949	20615	1048616	36	26663441	921	305	20615	419172	14
23	Bhagwanpur	11	2681	4063	1950	118832	29	5458810	1344	944	1950	41842	10
24	Haridwar(Urban)	11	618	473	232	27246	58	981650	2073	193	232	10010	21
25	Haridwar(Rural)	11	177	10748	9771	216183	20	11742299	1093	24	9771	29313	3
26	Jwalapur	11	1450	29807	18062	1243746	42	34414382	1155	41	18062	15941	1
27	Laksar	11	1742	180212	102180	7996185	44	458771537	2546	362	102180	1524990	8
28	Hadwani (Urban)	11	308	9573	2603	275476	29	5901301	616	104	2603	92183	10
29	Haldwani (Rural)	11	2622	262417	138789	5905747	23	113747533	433	1272	138789	3167994	12
30	Nainital	11	361	44678	17871	208671	5	14851119	332	332	17871	191619	4
31	Ramnagar	11	1783	29804	16661	1298188	44	36170320	1214	519	16661	393986	13
32	Kashipur	11	2277	56444	19928	1969400	35	89992141	1594	878	19928	741221	13
33	Bazpur	11	2587	41821	18067	2393363	57	102661491	2455	310	18067	358159	9
34	Jaspur	11	593	33024	17833	699182	21	37707910	1142	262	17833	302763	9
35	Rudrapur-I	11	298	11740	8218	246540	21	9380260	799	22	8218	33160	3
36	Rudrapur-II	11	1823	39601	27721	1663242	42	69737361	1761	38	27721	78311	2
37	Sitraganj	11	1152	41442	16577	1059041	26	59401905	1433	0	16577	0	0
38	Khatima	11	1146	48517	16550	1511991	31	40417916	833	0	16550	0	0
39	Almora	11	1912	10169	4881	355525	35	9684924	952	340	4881	64104	6
40	Bageshwar	11	4214	43379	20822	3265357	75	57943522	1336	533	20822	449269	10
41	Ranikhet	11	1604	9313	4470	313060	34	6059868	651	362	4470	68553	7
42	Bhikiyasain	11	1134	8597	6018	215548	25	5659267	658	365	6018	71668	8
43	Pithoragarh	11	2703	60179	26872	1531465	25	28485617	473	472	26872	264871	4
44	Dharchula	11	790	24451	13251	612132	25	28325462	1158	455	13251	49321	2
45	Champawat	11	839	38429	11690	495874	13	10241190	266	239	11690	139366	4
	UPCL	11	60052	1820687	969837	55640321	31	2095898487	1151	15899	969837	16761733	9