

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of January 2023

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	104	2845	2845	54135	19	934564	328	99	2845	43499	15
2	Mohanpur	11	54	5620	2473	133531	24	8024236	1428	7	2473	17310	3
3	Vikasnagar	11	218	46556	37245	1306083	28	27891724	599	7	37245	47803	1
4	Rishikesh	11	693	34873	34873	876340	25	9990656	286	16	34873	10158	0.3
5	Uttarkashi	11	78	8288	7619	119874	14	1523553	184	7	7619	8732	1
6	Barkot	11	27	2370	849	22923	10	352335	149	24	849	20376	9
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1589	4088	4088	200566	49	2095194	513	533	4088	53346	13
9	Dehradun (South)	11	1364	112477	53989	1373860	12	22621595	201	419	53989	472296	4
10	Dehradun (Central)	11	780	4255	4255	82780	19	1767736	415	337	4255	34662	8
11	Srinagar	11	211	18888	9444	274271	15	13462192	713	65	9444	82436	4
12	Pauri	11	103	16929	4590	101975	6	3191990	189	14	4590	12090	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	169	29942	29942	429054	14	22180070	741	466	29942	1081965	36
15	Gopeshwar	11	238	8308	8308	248370	30	5344280	643	33	8308	40048	5
16	Narayanbagar	11	54	1760	1232	35974	20	1524212	866	6	1232	4374	2
17	Gairsain	11	169	10594	10594	347269	33	6563179	620	22	10594	46592	4
18	Kotdwar	11	487	56803	32702	700741	12	24695398	435	323	32702	456329	8
19	Rudraprayag	11	214	6829	4950	210701	31	2904553	425	30	4950	26440	4
20	Roorkee(Urban)	11	1610	30540	30540	1282680	42	31120260	1019	84	30540	183240	6
21	Roorkee(Rural)	11	936	24045	18034	1154160	48	29743665	1237	83	18034	187103	8
22	Ramnagar (Roorkee)	11	445	20856	17218	638488	31	21397907	1026	104	17218	149220	7
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	571	2537	1895	35461	14	1000449	394	98	1895	5762	2
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	865	23646	20588	851321	36	18954223	802	28	20588	28703	1
27	Laksar	11	61	3910	3128	63128	16	2118072	542	9	3128	11056	3
28	Hadwani (Urban)	11	1157	124318	15225	1002506	8	29131609	234	95	15225	69860	1
29	Haldwani (Rural)	11	140	13133	7289	285772	22	6046997	460	13	7289	26768	2
30	Nainital	11	198	28139	24266	315824	11	10219672	363	43	24266	65897	2
31	Ramnagar	11	226	21573	8229	309913	14	5221925	242	42	8229	65528	3
32	Kashipur	11	730	39753	10721	756371	19	32258684	811	218	10721	226549	6
33	Bazpur	11	414	14195	6359	421665	30	13467602	949	53	6359	55697	4
34	Jasipur	11	67	11368	6139	105915	9	2838542	250	16	6139	24868	2
35	Rudrapur-I	11	1161	44270	44270	1593720	36	36611290	827	56	44270	122460	3
36	Rudrapur-II	11	735	37237	37237	1081362	29	24092339	647	28	37237	56090	2
37	Sitraganj	11	71	7316	3658	64739	9	2373994	324	0	3658	0	0
38	Khatima	11	218	11941	4953	256488	21	4027550	337	0	4953	0	0
39	Almora	11	584	11838	11838	690109	58	14901787	1259	51	11838	58638	5
40	Bageshwar	11	130	5313	5313	363579	68	3917190	737	23	5313	44385	8
41	Ranikhet	11	130	3983	3983	146580	37	2824973	709	32	3983	33844	8
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	531	37469	12249	780877	21	14888249	397	31	12249	46140	1
44	Dharchula	11	168	10790	6532	218312	20	2632121	244	58	6532	15848	1
45	Champawat	11	103	11482	3588	73693	6	3262580	284	103	3588	60677	5
	UPCL	11	17803	911076	553249	19011111	21	468119146	514	3676	553249	3996789	4

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of January 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	690	45976	45976	1516856	33	22895100	498	420	45976	560091	12
2	Mohanpur	11	711	43900	28131	1407605	32	39833956	907	525	28131	852890	19
3	Vikasnagar	11	882	119431	95545	3405161	29	62246579	521	10	95545	69313	1
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	299	19948	18048	303030	15	2847434	143	22	18048	22623	1
6	Barkot	11	639	24419	20198	542922	22	6870094	281	728	20198	652736	27
7	Doiwala	11	572	25514	25514	789118	31	45842468	1797	51	25514	66285	3
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1356	59279	29639	970666	16	34142193	576	357	29639	400234	7
12	Pauri	11	669	69314	11420	518839	7	7964350	115	159	11420	107930	2
13	Nainidanda	11	617	24274	9083	358806	15	9369295	386	380	9083	239891	10
14	Tehri	11	1263	105212	105212	2842016	27	201565061	1916	1665	105212	3014542	29
15	Gopeshwar	11	675	8745	8745	410491	47	14279090	1633	107	8745	74493	9
16	Narayanbagar	11	506	11506	8054	413852	36	12164332	1057	82	8054	64894	6
17	Gairsain	11	440	22574	22574	622466	28	16278904	721	48	22574	44035	2
18	Kotdwar	11	1202	28874	6765	542714	19	10205845	353	351	6765	185518	6
19	Rudraprayag	11	876	13138	9595	422099	32	13062269	994	92	9595	45985	4
20	Roorkee(Urban)	11	1870	23880	23880	1337280	56	39616920	1659	535	23880	682252	29
21	Roorkee(Rural)	11	3523	84482	63362	5153402	61	176229452	2086	471	63362	1243479	15
22	Ramnagar (Roorkee)	11	599	28874	20800	889943	31	32244457	1117	192	20800	285257	10
23	Bhagwanpur	11	2263	3266	3266	167976	51	9105682	2788	379	3266	28132	9
24	Haridwar(Urban)	11	555	267	173	18545	69	968965	3629	150	173	4775	18
25	Haridwar(Rural)	11	173	9963	9057	195858	20	7655429	768	24	9057	27171	3
26	Jwalapur	11	1190	29807	21250	1215217	41	26274211	881	68	21250	42789	1
27	Laksar	11	1242	98917	77134	5622935	57	227083649	2296	76	77134	470893	5
28	Hadwani (Urban)	11	184	18129	2500	150865	8	3423247	189	22	2500	18876	1
29	Haldwani (Rural)	11	2023	259471	162309	5090960	20	89843384	346	830	162309	2334486	9
30	Nainital	11	563	41510	18444	374358	9	5880908	142	114	18444	73482	2
31	Ramnagar	11	822	29448	16411	621409	21	11391843	387	224	16411	172091	6
32	Kashipur	11	1686	55894	27723	2134949	38	137000788	2451	586	27723	709445	13
33	Bazpur	11	2311	40229	17952	2277624	57	81987238	2038	206	17952	238600	6
34	Jaspur	11	678	31456	22648	948179	30	48695440	1548	272	22648	366927	12
35	Rudrapur-I	11	1670	81837	81837	3600828	44	116454051	1423	66	81837	233141	3
36	Rudrapur-II	11	968	42191	42191	1585960	38	92187335	2185	38	42191	80092	2
37	Sitraganj	11	653	26398	13199	469792	18	24009871	910	0	13199	0	0
38	Khatima	11	512	48492	15445	703419	15	19237185	397	0	15445	0	0
39	Almora	11	1377	14912	14912	763019	51	19999131	1341	151	14912	94730	6
40	Bageshwar	11	1985	42747	42747	2695847	63	32271795	755	215	42747	297617	7
41	Ranikhet	11	1277	13134	13134	761132	58	15431724	1175	268	13134	144021	11
42	Bhikiyasain	11	719	7854	7854	183796	23	5292369	674	328	7854	63671	8
43	Pithoragarh	11	1762	58810	24621	1007580	17	22932544	390	230	24621	133282	2
44	Dharchula	11	678	22890	13355	521231	23	8912421	389	271	13355	42355	2
45	Champawat	11	522	29990	9328	251012	8	7311507	244	464	9328	242721	8
	UPCL	11	43202	1766951	1210031	53809756	30	1761008517	997	11177	1210031	14431746	8