

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of April 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	72	7239	7239	138789	19	3788090	523	30	7239	85276	12
2	Mohanpur	11	38	5620	3091	117458	21	3863750	688	12	3091	37092	7
3	Vikasnagar	11	181	46556	37245	1071534	23	16536324	355	6	37245	39428	1
4	Rishikesh	11	452	19015	13311	343820	18	8454220	445	19	13311	13112	1
5	Uttarkashi	11	79	8288	7619	122235	15	672192	81	4	7619	5846	1
6	Barkot	11	16	2370	849	13584	6	321771	136	8	849	6792	3
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	944	3385	3385	77580	23	2282850	674	497	3385	44839	13
9	Dehradun (South)	11	1358	112477	67486	1638179	15	30985884	275	405	67486	558158	5
10	Dehradun (Central)	11	656	3458	2766	63352	18	1713024	495	336	2766	31381	9
11	Srinagar	11	170	18888	9444	207014	11	3301680	175	24	9444	28179	1
12	Pauri	11	177	16929	4945	152765	9	2535275	150	18	4945	22055	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	170	29942	17965	329362	11	11823497	395	512	17965	613212	20
15	Gopeshwar	11	484	6089	3653	226395	37	4236675	696	39	3653	21250	3
16	Narayanbagar	11	55	1760	1323	37144	21	1474052	838	13	1323	9054	5
17	Gairsain	11	237	10594	6356	314819	30	7219962	682	26	6356	38902	4
18	Kotdwar	11	709	56803	37374	1101458	19	40816809	719	424	37374	647954	11
19	Rudraprayag	11	170	4531	2861	77331	17	1481904	327	10	2861	2584	1
20	Roorkee(Urban)	11	1685	21840	13104	1004640	46	21088080	966	82	13104	76752	4
21	Roorkee(Rural)	11	715	24045	12624	913710	38	55607839	2313	62	12624	97834	4
22	Ramnagar (Roorkee)	11	403	20856	16826	565062	27	17772103	852	123	16826	172463	8
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	362	1898	1384	17973	9	490704	259	166	1384	7953	4
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	628	23646	16470	531591	22	9607638	406	16	16470	12860	1
27	Laksar	11	59	7355	4413	129867	18	2861037	389	12	4413	25845	4
28	Hadwani (Urban)	11	814	124318	14257	722929	6	10605808	85	55	14257	42863	0
29	Haldwani (Rural)	11	100	11529	6490	190344	17	3324498	288	14	6490	25054	2
30	Nainital	11	205	28371	23279	324316	11	11795305	416	78	23279	117348	4
31	Ramnagar	11	287	21573	8229	418189	19	5728793	266	61	8229	88373	4
32	Kashipur	11	425	39753	23852	988381	25	43092030	1084	186	23852	440629	11
33	Bazpur	11	343	14348	8609	507451	35	15222364	1061	56	8609	81818	6
34	Jasgur	11	60	11368	6821	105247	9	2726472	240	16	6821	27883	2
35	Rudrapur-I	11	791	44270	30989	1195290	27	44756970	1011	47	30989	104040	2
36	Rudrapur-II	11	606	37237	26066	819214	22	27518143	739	28	26066	56090	2
37	Sitraganj	11	121	9069	4534	150358	17	2880662	318	0	4534	0	0
38	Khatima	11	218	9687	3828	171628	18	3349060	346	0	3828	0	0
39	Almora	11	439	8551	5985	250989	29	3390942	397	53	5985	29201	3
40	Bageshwar	11	83	5313	3188	142322	27	3272296	616	25	3188	35289	7
41	Ranikhet	11	145	196	157	6226	32	82667	422	48	157	1374	7
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	601	37800	12355	892449	24	23103540	611	33	12355	48592	1
44	Dharchula	11	250	10895	7235	209213	19	5193212	477	40	7235	14011	1
45	Champawat	11	100	12299	4076	87007	7	4766264	388	53	4076	43790	4
	UPCL	11	15408	880160	481685	16377215	19	459744387	522	3637	481685	3755177	4

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of April 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	694	41049	41049	1482623	36	20294859	494	496	41049	556906	14
2	Mohanpur	11	782	43900	28131	1464529	33	39982484	911	423	28131	739559	17
3	Vikasnagar	11	681	119431	95545	2534390	21	39182145	328	11	95545	71076	1
4	Rishikesh	11	232	13675	9572	266815	20	2666636	195	0	9572	0	0
5	Uttarkashi	11	247	19948	18048	255263	13	2414474	121	17	18048	20368	1
6	Barkot	11	536	24419	20198	464709	19	6147130	252	452	20198	383312	16
7	Doiwala	11	272	25514	17860	247734	10	11206965	439	42	17860	32860	1
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1935	59279	29639	1397391	24	30117446	508	329	29639	303014	5
12	Pauri	11	902	68599	14665	884094	13	17540680	256	372	14665	346470	5
13	Nainidanda	11	544	24509	9318	190839	8	7966883	325	232	9318	98489	4
14	Tehri	11	1266	105212	63127	2104240	20	149355010	1420	1654	63127	1578180	15
15	Gopeshwar	11	1033	9150	4941	344644	38	16839179	1840	342	4941	130447	14
16	Narayanbagar	11	569	11506	8382	467113	41	16865217	1466	89	8382	72822	6
17	Gairsain	11	923	29534	17720	663731	22	25760437	872	103	17720	104567	4
18	Kotdwar	11	1439	33774	7118	637385	19	15650608	463	510	7118	264292	8
19	Rudraprayag	11	1057	11745	6819	412146	35	12305010	1048	117	6819	35742	3
20	Roorkee(Urban)	11	1890	24120	14472	1157760	48	55496674	2301	525	14472	361800	15
21	Roorkee(Rural)	11	3198	84482	38017	3886172	46	242970232	2876	625	38017	990031	12
22	Ramnagar (Roorkee)	11	599	28949	20750	828617	29	20903550	722	266	20750	367967	13
23	Bhagwanpur	11	3200	3200	3200	182400	57	5523200	1726	538	3200	39127	12
24	Haridwar(Urban)	11	587	334	202	21255	64	723155	2164	136	202	5710	17
25	Haridwar(Rural)	11	128	8846	8042	128672	15	5066460	573	26	8042	26137	3
26	Jwalapur	11	1149	29807	14875	801211	27	25706414	862	47	14875	17052	1
27	Laksar	11	1217	98621	59173	3840749	39	202922897	2058	118	59173	498491	5
28	Hadwani (Urban)	11	267	18129	1710	155451	9	1886385	104	32	1710	18455	1
29	Haldwani (Rural)	11	1892	263318	122705	3573530	14	67657220	257	714	122705	1422658	5
30	Nainital	11	349	42318	17781	216213	5	10185639	241	275	17781	169868	4
31	Ramnagar	11	1096	29804	16661	818982	27	14981472	503	241	16661	151204	5
32	Kashipur	11	1661	55894	27727	2228095	40	135949178	2432	554	27727	661366	12
33	Bazpur	11	2135	40835	19601	2046392	50	114481608	2804	211	19601	261912	6
34	Jaspur	11	690	33024	19814	840080	25	43059446	1304	288	19814	344507	10
35	Rudrapur-I	11	1548	81837	57286	3109806	38	112853223	1379	74	57286	198121	2
36	Rudrapur-II	11	1540	42191	29534	1687640	40	63581837	1507	38	29534	80270	2
37	Sitraganj	11	954	38392	15357	916487	24	77570784	2020	0	15357	0	0
38	Khatima	11	511	48578	21947	689272	14	20325774	418	0	21947	0	0
39	Almora	11	1712	12631	8842	581738	46	14913359	1181	306	8842	111058	9
40	Bageshwar	11	2062	46817	22472	1665298	36	17227097	368	396	22472	331550	7
41	Ranikhet	11	1097	648	518	22585	35	667394	1030	367	518	7316	11
42	Bhikiyasain	11	802	6866	4806	139878	20	4643891	676	313	4806	61615	9
43	Pithoragarh	11	2785	59362	26603	1496752	25	46624352	785	417	26603	219219	4
44	Dharchula	11	655	24110	12540	475511	20	22112132	917	238	12540	42232	2
45	Champawat	11	839	35704	10944	453024	13	8233436	231	207	10944	111238	3
UPCL		11	47675	1800061	987711	45781217	25	1750561971	973	12141	987711	11237007	6