

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of October 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	62	7239	5067	136852	19	3710231	513	26	5067	69785	10
2	Mohanpur	11	46	5620	3091	142186	25	3291915	586	7	3091	21637	4
3	Vikasnagar	11	193	38147	30518	1057521	28	17977746	471	1	30518	7276	0
4	Rishikesh	11	499	24500	15925	447152	18	11325917	462	28	15925	28376	1
5	Uttarkashi	11	209	10022	6013	177685	18	6135025	612	29	6013	24533	2
6	Barkot	11	20	2370	764	15282	6	298763	126	7	764	5349	2
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1014	3439	2407	90784	26	2091462	608	594	2407	55723	16
9	Dehradun (South)	11	1247	108592	95561	2174542	20	34978256	322	368	95561	702176	6
10	Dehradun (Central)	11	690	3786	3029	53887	14	1295733	342	369	3029	25830	7
11	Srinagar	11	153	18888	9444	170344	9	6246916	331	20	9444	25770	1
12	Pauri	11	159	16929	5285	157050	9	4078915	241	22	5285	14600	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	161	29942	23954	302749	10	17397792	581	430	23954	827984	28
15	Gopeshwar	11	417	6040	2936	161138	27	3841706	636	63	2936	28019	5
16	Narayanbagar	11	65	1760	610	18120	10	1820910	1035	10	610	1810	1
17	Gairsain	11	221	10594	5721	266579	25	9061870	855	24	5721	31580	3
18	Kotdwar	11	837	64959	40144	1178837	18	47481684	731	444	40144	614761	9
19	Rudraprayag	11	235	5242	3202	133802	26	1666756	318	29	3202	14261	3
20	Roorkee(Urban)	11	1870	32315	25250	1227970	38	43205155	1337	85	25250	196152	6
21	Roorkee(Rural)	11	637	21545	16159	624805	29	38113105	1769	88	16159	203142	9
22	Ramnagar (Roorkee)	11	327	20856	18221	496513	24	31667507	1518	82	18221	124508	6
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	632	2895	1940	37826	13	1497675	517	31	1940	3213	1
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	984	23646	14412	768400	32	19128972	809	59	14412	51031	2
27	Laksar	11	107	16763	6809	399169	24	16957758	1012	29	6809	105331	6
28	Hadwani (Urban)	11	798	124318	18539	732924	6	30967508	249	95	18539	67789	1
29	Haldwani (Rural)	11	130	13234	5973	255481	19	5965202	451	39	5973	74493	6
30	Nainital	11	161	29812	23209	238863	8	11524038	387	40	23209	57478	2
31	Ramnagar	11	230	21573	8229	332558	15	9090220	421	90	8229	143141	7
32	Kashipur	11	485	39753	25839	1245202	31	56229885	1414	122	25839	324137	8
33	Bazpur	11	316	14695	7274	383833	26	13486157	918	64	7274	79835	5
34	Jaspur	11	57	11368	7958	113357	10	3679592	324	16	7958	32236	3
35	Rudrapur-I	11	783	35990	23394	827770	23	40416770	1123	44	23394	88960	2
36	Rudrapur-II	11	734	41204	28843	841386	20	50250001	1220	29	28843	58640	1
37	Sitraganj	11	64	9175	5505	89767	10	3447147	376	0	5505	0	0
38	Khatima	11	157	10236	4569	133817	13	2706540	264	0	4569	0	0
39	Almora	11	531	9069	4489	238551	26	6349593	700	59	4489	23622	3
40	Bageshwar	11	318	8752	3851	323257	37	3856001	441	75	3851	63694	7
41	Ranikhet	11	148	3028	2120	85739	28	1590499	525	25	2120	12048	4
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	320	38549	12595	465642	12	8767487	227	49	12595	67053	2
44	Dharchula	11	260	11265	7586	216523	19	5950321	528	85	7586	16621	1
45	Champawat	11	176	13788	4136	144722	10	3870852	281	76	4136	54013	4
	UPCL	11	16453	911900	530569	16908585	19	581419583	638	3753	530569	4346608	5

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of October 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	649	41049	24629	1451100	35	19931892	486	438	24629	442123	11
2	Mohanpur	11	642	43475	27854	1077895	25	33789006	777	455	27854	707413	16
3	Vikasnagar	11	1052	125580	100464	3845218	31	64010290	510	16	100464	104937	1
4	Rishikesh	11	326	20277	13180	504708	25	10350860	510	0	13180	0	0
5	Uttarkashi	11	879	19630	9177	608732	31	17064661	869	214	9177	151679	8
6	Barkot	11	589	24425	17194	426973	17	5454584	223	442	17194	291389	12
7	Doiwala	11	576	25514	14543	504958	20	12879803	505	72	14543	62571	2
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1549	59279	29639	1080479	18	39130131	660	237	29639	205861	3
12	Pauri	11	912	60922	18535	743265	12	14649550	240	219	18535	183560	3
13	Nainidanda	11	947	28373	10594	339084	12	4075893	144	220	10594	91913	3
14	Tehri	11	1185	105212	94691	2296448	22	299108238	2843	1656	94691	2722917	26
15	Gopeshwar	11	978	9668	4641	346235	36	11528426	1192	269	4641	97313	10
16	Narayanbagar	11	620	11506	3772	225412	20	9319869	810	90	3772	33012	3
17	Gairsain	11	770	29534	15948	574985	19	21346523	723	92	15948	66712	2
18	Kotdwar	11	1433	33774	7118	703120	21	11828364	350	442	7118	231707	7
19	Rudraprayag	11	845	12635	8361	341713	27	7258537	574	120	8361	53447	4
20	Roorkee(Urban)	11	1930	25475	19106	1069950	42	74794600	2936	448	19106	543382	21
21	Roorkee(Rural)	11	2352	86982	65237	1826622	21	271731768	3124	679	65237	1771837	20
22	Ramnagar (Roorkee)	11	367	28949	25592	626151	22	27240125	941	135	25592	230328	8
23	Bhagwanpur	11	2575	4134	2480	136422	33	9049326	2189	971	2480	91230	22
24	Haridwar(Urban)	11	465	252	150	13562	54	421444	1672	126	150	3905	15
25	Haridwar(Rural)	11	162	8654	7866	159287	18	11795402	1363	21	7866	20648	2
26	Jwalapur	11	1312	29807	17627	1092417	37	30809885	1034	79	17627	73424	2
27	Laksar	11	1414	142061	99443	6312134	44	273619910	1926	252	99443	1172981	8
28	Hadwani (Urban)	11	297	9100	1853	191338	21	4083413	449	44	1853	28100	3
29	Haldwani (Rural)	11	1816	266193	126137	3660780	14	93492096	351	581	126137	1282645	5
30	Nainital	11	437	44802	30886	472012	11	9438667	211	229	30886	253684	6
31	Ramnagar	11	1154	29804	16151	750229	25	21347821	716	259	16151	205437	7
32	Kashipur	11	1284	56444	42333	2321152	41	132472511	2347	618	42333	1122503	20
33	Bazpur	11	1745	42286	18606	1635631	39	63348334	1498	268	18606	313538	7
34	Jasipur	11	678	33024	19814	819314	25	42743373	1294	272	19814	321766	10
35	Rudrapur-I	11	304	11740	7631	293500	25	24137440	2056	20	7631	24380	2
36	Rudrapur-II	11	1392	39601	27721	883894	22	111318411	2811	38	27721	78311	2
37	Sitraganj	11	817	36671	18336	842076	23	36490959	995	0	18336	0	0
38	Khatima	11	756	48517	21833	1113079	23	25183410	519	0	21833	0	0
39	Almora	11	1443	11433	5659	307621	27	8871910	776	220	5659	50418	4
40	Bageshwar	11	2079	43384	20282	1669177	38	22870254	527	243	20282	203581	5
41	Ranikhet	11	1175	10688	5772	305327	29	8154136	763	253	5772	72784	7
42	Bhikyasain	11	884	9293	5576	155506	17	5177351	557	382	5576	61939	7
43	Pithoragarh	11	1787	60562	26997	1059985	18	27877800	460	295	26997	179375	3
44	Dharchula	11	855	27425	14322	653212	24	29031252	1059	487	14322	51231	2
45	Champawat	11	958	40747	12481	617532	15	11765384	289	430	12481	252160	6
	UPCL	11	44390	1798881	1060229	44058234	24	1958993607	1089	12332	1060229	13856140	8