

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of September 2024

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	64	7239	4343	137025	19	3715897	513	28	4343	70498	10
2	Mohanpur	11	62	5620	3091	191642	34	5245427	933	24	3091	74184	13
3	Vikasnagar	11	284	46556	27934	1124671	24	21035128	452	14	27934	69355	1
4	Rishikesh	11	466	23305	13983	375634	16	7194200	309	16	13983	16376	1
5	Uttarkashi	11	430	10022	4209	188863	19	6343147	633	11	4209	6827	1
6	Barkot	11	19	2370	1659	31521	13	690144	291	5	1659	8295	4
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1448	3622	2173	121393	34	2788452	770	742	2173	70783	20
9	Dehradun (South)	11	1606	113239	58884	1583248	14	26462602	234	410	58884	469041	4
10	Dehradun (Central)	11	669	4243	3394	54997	13	1315640	310	307	3394	27646	7
11	Srinagar	11	318	24181	12091	403374	17	10534155	436	93	12091	91026	4
12	Pauri	11	301	16929	5905	319495	19	6573135	388	66	5905	59005	3
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	121	29942	17965	169756	6	5002051	167	299	17965	360099	12
15	Gopeshwar	11	456	5441	2829	137195	25	7399047	1360	132	2829	47107	9
16	Narayanbagar	11	65	2455	1772	58292	24	9487234	3864	3	1772	1956	1
17	Gairsain	11	145	10594	6356	199043	19	8296303	783	71	6356	97820	9
18	Kotdwar	11	663	62243	37346	1001357	16	24279452	390	570	37346	886549	14
19	Rudraprayag	11	202	4271	2377	74186	17	2586381	606	11	2377	2635	1
20	Roorkee(Urban)	11	972	32660	19596	620540	19	28708140	879	93	19596	217189	7
21	Roorkee(Rural)	11	670	21545	16159	581715	27	34558180	1604	119	16159	274703	13
22	Ramnagar (Roorkee)	11	412	20856	17788	508670	24	18691866	896	79	17788	117102	6
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	552	3064	2306	36716	12	845208	276	221	2306	15833	5
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	514	23646	14188	337505	14	12433182	526	21	14188	25978	1
27	Laksar	11	97	17298	10379	366137	21	8890770	514	13	10379	61594	4
28	Hadwani (Urban)	11	1053	124618	17742	964468	8	15054601	121	189	17742	168595	1
29	Haldwani (Rural)	11	146	11811	6475	236905	20	4412472	374	21	6475	37627	3
30	Nainital	11	196	26147	21489	228771	9	10683151	409	59	21489	72552	3
31	Ramnagar	11	282	21573	8341	388624	18	4369218	203	136	8341	187226	9
32	Kashipur	11	497	39753	15901	798647	20	23120704	582	208	15901	332149	8
33	Bazpur	11	468	15170	7888	619675	41	16710355	1102	80	7888	112575	7
34	Jaspur	11	69	11368	6821	119837	11	3247512	286	17	6821	29587	3
35	Rudrapur-I	11	891	35990	21594	935740	26	37285640	1036	56	21594	107970	3
36	Rudrapur-II	11	982	41204	24722	833145	20	51340184	1246	29	24722	58640	1
37	Sitraganj	11	94	8688	6081	146754	17	5086130	585	0	6081	0	0
38	Khatima	11	208	11666	6027	202391	17	4428237	380	0	6027	0	0
39	Almora	11	691	7772	4041	243938	31	6779960	872	63	4041	23652	3
40	Bageshwar	11	378	8758	3941	355145	41	7087409	809	74	3941	73278	8
41	Ranikhet	11	112	2739	1643	48125	18	1213938	443	29	1643	12003	4
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	448	39453	12731	671354	17	12755016	323	30	12731	45191	1
44	Dharchula	11	590	11830	8612	263212	22	6531231	552	135	8612	17350	1
45	Champawat	11	163	8787	3093	101895	12	3465041	394	58	3093	36456	4
UPCL		11	17804	918667	463872	15781600	17	466646537	508	4532	463872	4386451	5

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of September 2024

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	678	41049	24629	1454368	35	19935428	486	468	24629	443852	11
2	Mohanpur	11	727	44674	28634	1479418	33	39761037	890	415	28634	953788	21
3	Vikasnagar	11	1207	119431	71658	3381755	28	53001405	444	16	71658	77979	1
4	Rishikesh	11	574	19421	9322	583399	30	8490567	437	0	9322	0	0
5	Uttarkashi	11	1265	19630	7459	703320	36	18762279	956	200	7459	124466	6
6	Barkot	11	340	24419	17093	270992	11	5940444	243	56	17093	42163	2
7	Doiwala	11	621	25514	14033	480136	19	12822149	503	78	14033	53413	2
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1872	53986	26993	1203928	22	41487926	768	242	26993	201323	4
12	Pauri	11	1272	65829	14510	965495	15	17676650	269	424	14510	277355	4
13	Nainidanda	11	1176	29872	17923	608686	20	10904567	365	963	17923	623882	21
14	Tehri	11	936	105212	63127	1117561	11	132745064	1262	1223	63127	1348408	13
15	Gopeshwar	11	1267	9506	4563	348722	37	21419680	2253	325	4563	97002	10
16	Narayanbagar	11	554	17426	9759	464756	27	60655647	3481	141	9759	101413	6
17	Gairsain	11	618	29534	17720	582991	20	30448441	1031	245	17720	241220	8
18	Kotdwar	11	1989	38286	5714	638570	17	10935571	286	732	5714	244131	6
19	Rudraprayag	11	1678	14513	9675	606367	42	15547346	1071	98	9675	34325	2
20	Roorkee(Urban)	11	1080	35341	21205	636138	18	57605830	1630	915	21205	494774	14
21	Roorkee(Rural)	11	2826	86982	65237	2435496	28	179356884	2062	817	65237	2131945	25
22	Ramnagar (Roorkee)	11	617	28949	23595	826783	29	37453130	1294	253	23595	397969	14
23	Bhagwanpur	11	2613	5237	3142	130925	25	6321059	1207	1079	3142	62844	12
24	Haridwar(Urban)	11	467	404	297	18631	46	312870	774	120	297	4285	11
25	Haridwar(Rural)	11	148	313904	11197	3766848	12	216279856	689	148	11197	4394656	14
26	Jwalapur	11	1128	29807	15500	834567	28	26053573	874	54	15500	36412	1
27	Laksar	11	1391	169693	93331	6846246	40	202309477	1192	163	93331	631308	4
28	Hadwani (Urban)	11	241	9100	2300	188889	21	3761071	413	68	2300	45603	5
29	Haldwani (Rural)	11	2613	285989	146255	5666704	20	111249855	389	1012	146255	2566184	9
30	Nainital	11	380	42144	16241	452627	11	4837638	115	198	16241	108951	3
31	Ramnagar	11	1303	29804	16079	888417	30	21182880	711	537	16079	384006	13
32	Kashipur	11	1349	56444	25400	1530910	27	54725944	970	602	25400	614435	11
33	Bazpur	11	1973	44954	20229	2067214	46	55124404	1226	259	20229	335940	7
34	Jaspur	11	675	33024	18163	736243	22	38336419	1161	244	18163	262527	8
35	Rudrapur-I	11	344	11740	7044	316980	27	18502240	1576	22	7044	37920	3
36	Rudrapur-II	11	1540	39601	23761	918347	23	59757909	1509	38	23761	78311	2
37	Sitraganj	11	537	32800	22960	641790	20	38324567	1168	0	22960	0	0
38	Khatima	11	919	49012	19605	1145641	23	28852629	589	0	19605	0	0
39	Almora	11	2176	12260	5517	395599	32	16097054	1313	331	5517	56496	5
40	Bageshwar	11	2781	43393	19527	2026245	47	53459640	2738	430	19527	362232	8
41	Ranikhet	11	1607	9225	4797	320545	35	7834654	849	462	4797	88795	10
42	Bhikyasain	11	994	7708	4625	169254	22	7358342	955	287	4625	52299	7
43	Pithoragarh	11	2682	62518	27646	1581996	25	34454856	551	353	21466	163552	3
44	Dharchula	11	935	31410	16251	713251	23	31921531	1016	815	16251	59501	2
45	Champawat	11	914	38533	11349	520202	14	9445567	245	244	11349	141070	4
UPCL		11	51007	2168279	984066	50666953	23	1821454078	840	15077	977886	18376732	8