

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of March 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			
						$\sum Ai \times Ni$ for Division	SAIFI	$\sum Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum Ci \times Ni$ for Division	MAIFI
						KV	Nos.	Min	Nos.				
1	Raipur Dehradun	11	59	7239	4705	135892	19	3698321	511	23	4705	68521	9
2	Mohanpur	11	28	5620	3091	86548	15	3724655	663	8	3091	24728	4
3	Vikasnagar	11	199	46556	37245	1163811	25	24571058	528	5	37245	30667	1
4	Rishikesh	11	553	19803	12872	328544	17	8147616	411	12	12872	10006	1
5	Uttarkashi	11	318	10022	4009	163230	16	4405446	440	22	4009	9266	1
6	Barkot	11	23	2370	855	19665	8	355680	150	7	855	5985	3
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	870	3798	2659	88190	23	1910352	503	629	2659	63231	17
9	Dehradun (South)	11	1135	112477	78734	1618631	14	25646455	228	377	78734	601175	5
10	Dehradun (Central)	11	404	3701	2961	33534	9	668316	181	303	2961	22831	6
11	Srinagar	11	195	18888	9444	208702	11	3238539	171	24	9444	22716	1
12	Pauri	11	202	16929	6130	227895	13	3559670	210	35	6130	41280	2
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	192	29942	20959	307588	10	12095504	404	476	20959	731113	24
15	Gopeshwar	11	392	9393	5166	261094	28	8487130	904	68	5166	41898	4
16	Narayanbagar	11	42	2015	806	17127	8	2071406	1028	3	806	1108	1
17	Gairsain	11	199	10594	6992	262244	25	7018478	662	43	6992	67420	6
18	Kotdwar	11	558	62243	40458	834931	13	19466105	313	403	40458	675549	11
19	Rudraprayag	11	196	5731	3439	136144	24	3215764	561	13	3439	7559	1
20	Roorkee(Urban)	11	1720	31580	18948	1164986	37	48443720	1534	95	18948	214112	7
21	Roorkee(Rural)	11	673	21545	16159	560170	26	36303325	1685	75	16159	173132	8
22	Ramnagar (Roorkee)	11	319	20856	19056	506563	24	15816724	758	62	19056	98454	5
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	585	2094	1589	29911	14	546937	261	165	1589	10696	5
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	506	23646	20588	498149	21	21686025	917	16	20588	16635	1
27	Laksar	11	130	17263	12084	626026	36	13196253	764	28	12084	134939	8
28	Hadwani (Urban)	11	993	124318	43511	1995587	16	27922605	225	90	43511	203623	2
29	Haldwani (Rural)	11	125	9462	5178	216404	23	5544260	586	20	5178	38331	4
30	Nainital	11	241	25947	21960	321209	12	8123361	313	47	21960	57403	2
31	Ramnagar	11	219	21573	8229	336909	16	4776524	221	56	8229	83789	4
32	Kashipur	11	435	39753	21864	928228	23	29212461	735	184	21864	401730	10
33	Bazpur	11	465	14917	7160	548103	37	15123504	1014	62	7160	80679	5
34	Jaspur	11	70	11368	7389	133069	12	5125796	451	16	7389	32081	3
35	Rudrapur-I	11	658	35990	21594	863760	24	63666310	1769	44	21594	88820	2
36	Rudrapur-II	11	768	41204	28843	1282681	31	40765177	989	29	28843	58640	1
37	Sitraganj	11	78	8688	5213	104435	12	5064936	583	0	5213	0	0
38	Khatima	11	134	8587	6870	84166	10	1289452	150	0	6870	0	0
39	Almora	11	565	11337	6802	366136	32	5852423	516	88	6802	60232	5
40	Bageshwar	11	262	8754	4815	308773	35	5566899	636	54	4815	63039	7
41	Ranikhet	11	127	3839	2303	88762	23	1207910	315	34	2303	20428	5
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	356	38868	12696	543640	14	10676460	275	26	12696	40316	1
44	Dharchula	11	340	11523	8321	252132	22	6253212	543	98	8321	16821	1
45	Champawat	11	114	10788	7552	176075	16	4904724	455	63	7552	93769	9
	UPCL	11	15448	911220	549248	17829643	20	509349495	559	3803	549248	4412725	5

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of March 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	632	41049	24629	1442230	35	19924352	485	422	24629	441486	11
2	Mohanpur	11	540	43900	28131	1095487	25	26842470	611	235	28131	396657	9
3	Vikasnagar	11	680	119431	95545	2542569	21	51547285	432	9	95545	59444	0
4	Rishikesh	11	300	19730	11838	375545	19	8448280	428	0	11838	0	0
5	Uttarkashi	11	1042	19630	6871	511165	26	10417809	531	335	6871	183893	9
6	Barkot	11	572	24419	19143	478759	20	6545881	268	605	19143	506623	21
7	Doiwala	11	533	25514	16584	554770	22	11677931	458	52	16584	39127	2
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1602	59279	29639	1034527	17	29423921	496	199	29639	183411	3
12	Pauri	11	873	66544	36599	997729	15	28147586	423	168	36599	211771	3
13	Nainidanda	11	3555	28372	17023	822998	29	4830219	170	463	17023	185801	7
14	Tehri	11	1216	105212	68388	1721780	16	212659285	2021	1617	68388	1817518	17
15	Gopeshwar	11	834	8534	4694	250655	29	11278506	1322	296	4694	100834	12
16	Narayanbagar	11	423	21495	8598	444758	21	27552316	1282	66	8598	38711	2
17	Gairsain	11	844	29534	19492	758404	26	24671199	835	133	19492	138906	5
18	Kotdwar	11	1264	33774	7118	600757	18	13508089	400	532	7118	250387	7
19	Rudraprayag	11	1013	14394	8636	391504	27	14756516	1025	66	8636	22205	2
20	Roorkee(Urban)	11	1945	25345	15207	924839	36	74818440	2952	512	15207	617911	24
21	Roorkee(Rural)	11	2897	86982	65237	2685134	31	288693258	3319	453	65237	1182094	14
22	Ramnagar (Roorkee)	11	390	28949	25237	656162	23	65027849	2246	161	25237	270877	9
23	Bhagwanpur	11	2508	3544	2481	116952	33	6311864	1781	957	2481	77082	22
24	Haridwar(Urban)	11	616	262	157	17806	68	455481	1738	118	157	4060	15
25	Haridwar(Rural)	11	196	8205	5744	180510	22	5054280	616	59	5744	57435	7
26	Jwalapur	11	953	29807	21250	942895	32	28942135	971	32	21250	20947	1
27	Laksar	11	1482	173295	155966	4970049	29	281938989	1627	121	155966	439492	3
28	Hadwani (Urban)	11	239	18129	5439	489958	27	6707648	370	43	5439	58979	3
29	Haldwani (Rural)	11	1924	275760	136992	3278783	12	63046674	229	602	136992	1433382	5
30	Nainital	11	254	42088	35775	334622	8	13470676	320	144	35775	184556	4
31	Ramnagar	11	1206	29804	16661	905622	30	16938426	568	286	16661	220344	7
32	Kashipur	11	1057	56444	27093	1264266	22	60622962	1074	689	27093	743153	13
33	Bazpur	11	1524	41571	22864	1625539	39	53946461	1298	235	22864	330569	8
34	Jaspur	11	569	33024	25415	916116	28	44577915	1350	245	25415	393940	12
35	Rudrapur-I	11	186	11740	7044	246540	21	36511400	3110	20	7044	25960	2
36	Rudrapur-II	11	1159	39601	27721	1316337	33	75558708	1908	38	27721	78311	2
37	Sitraganj	11	678	32800	16400	591976	18	36089579	1100	0	16400	0	0
38	Khatima	11	600	48517	13536	660249	14	17853300	368	0	13536	0	0
39	Almora	11	1903	13539	7446	503287	37	13655351	1009	361	7446	100517	7
40	Bageshwar	11	1732	43389	23864	1530304	35	54978142	1267	354	23864	359116	8
41	Ranikhet	11	1462	12324	7394	460791	37	8785910	713	298	7394	85552	7
42	Bhikyasain	11	683	6363	3818	107637	17	3210857	505	301	3818	69529	11
43	Pithoragarh	11	1936	61251	27229	1084271	18	23502613	384	251	27229	149768	2
44	Dharchula	11	960	30123	17324	692432	23	31332152	1040	678	17324	55354	2
45	Champawat	11	631	31817	19090	603155	19	16513151	519	356	19090	356245	11
UPCL		11	45613	1845484	1135311	41129873	22	1830775864	992	12512	1135311	11891950	6