

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of April 2021

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	91	7217	7217	170121	24	3922310	543	32	7217	99866	14
2	Mohanpur	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	11	504	49402	39770	1393384	28	21317901	432	10	39770	27896	1
4	Rishikesh	11	412	35598	35598	463743	13	9002693	253	17	35598	8229	0
5	Uttarkashi	11	71	8225	7563	112469	14	1278147	155	9	7563	14450	2
6	Barkot	11	25	2370	849	21225	9	449970	190	75	849	26070	11
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	611	2342	2342	56747	24	1069357	457	343	2342	22858	10
9	Dehradun (South)	11	1054	98992	98992	2024164	20	38210912	386	244	98992	470828	5
10	Dehradun (Central)	11	530	2913	2913	39940	14	836839	287	353	2913	25634	9
11	Srinagar	11	33	599	299	9879	16	293582	490	7	299	1976	3
12	Pauri	11	193	16929	8365	251220	15	4928820	291	50	1905	28910	2
13	Tehri	11	170	29942	29942	339343	11	10347955	346	53	29942	105795	4
14	Gopeshwar	11	581	6057	6057	168162	28	5184476	856	84	6057	83659	14
15	Narayanbagar	11	51	2072	2072	59262	29	312896	151	23	2072	27398	13
16	Gairsain	11	188	7633	7633	484094	63	8991674	1178	24	7633	54340	7
17	Kotdwar	11	404	56803	46717	799715	14	28003879	493	531	46717	1068579	19
18	Rudraprayag	11	138	2723	2223	75937	28	1632817	600	45	2233	30241	11
19	Roorkee(Urban)	11	643	31450	21830	1002312	32	31104050	989	62	31450	139279	4
20	Roorkee(Rural)	11	391	20835	17180	1119580	54	23647725	1135	79	17180	226207	11
21	Ramnagar (Roorkee)	11	424	22862	20053	654036	29	20475656	896	167	20053	257604	11
22	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
23	Haridwar(Urban)	11	444	1948	1425	18740	10	513103	263	119	1425	6993	4
24	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
25	Jwalapur	11	797	24187	22061	922968	38	8268810	342	40	22061	367480	15
26	Laksar	11	59	4700	4700	141660	30	3554412	756	21	4700	48050	10
27	Hadwani (Urban)	11	706	95436	95436	651972	7	11218234	118	169	95436	841271	9
28	Hadwani (Rural)	11	52	3305	1966	28774	9	530827	161	9	1966	6192	2
29	Nainital	11	207	29069	29069	339123	12	13462669	463	80	29069	111684	4
30	Ramnagar	11	200	16959	16959	194400	11	4952550	292	73	16959	203066	12
31	Kashipur	11	484	39753	39753	1754594	44	35539182	894	229	39753	806281	20
32	Bazpur	11	306	13575	13575	720353	53	19995975	1473	69	13575	171230	13
33	Jaspur	11	66	11368	11368	193256	17	5395900	475	18	11368	50152	4
34	Rudrapur-I	11	531	44270	44270	1619001	37	45332480	1024	68	44270	177080	4
35	Rudrapur-II	11	701	40676	40676	2182267	54	44174136	1086	34	34889	87723	2
36	Sitraganj	11	133	6630	3315	114960	17	4746539	716	0	3315	0	0
37	Khatima	11	246	14205	4335	177735	13	5454875	384	0	4335	0	0
38	Almora	11	851	19371	7596	593375	31	11687609	603	137	7596	9886	1
39	Bageshwar	11	86	4176	4176	359136	86	4618656	1106	14	4176	58464	14
40	Ranikhet	11	157	3481	3481	182266	52	2541207	730	42	3481	32508	9
41	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
42	Pithoragarh	11	514	35315	11495	702038	20	22698585	643	55	7835	63926	2
43	Dharchula	11	245	10506	7525	196903	19	3662812	349	55	6810	22925	2
44	Champawat	11	351	12987	3896	220779	17	3623373	279	80	3896	38961	3
	UPCL	11	13650	836881	724691	20559632	25	462983594	553	3520	717699	5823691	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of April 2021

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
						Nos.		Min					Nos.
1	Raipur Dehradun	11	714	39023	39023	1557756	40	17085015	438	536	39023	602088	15
2	Mohanpur	11	412	30516	48405	676540	22	11338830	372	223	30516	300888	10
3	Vikasnagar	11	315	19459	14201	312533	16	3081314	158	2	14201	1122	0
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	185	16784	15239	212511	13	4999583	298	18	15239	20085	1
6	Barkot	11	635	20264	17239	376176	19	4903888	242	625	17239	222904	11
7	Doiwala	11	581	18979	18979	810593	43	11572635	610	54	18979	73259	4
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	64	1418	709	45090	32	1390857	981	18	709	12761	9
12	Pauri	11	896	63671	33170	1497860	24	34243142	538	453	11715	320790	5
13	Tehri	11	1515	105212	105212	2314664	22	90431358	860	252	105212	414272	4
14	Gopeshwar	11	1372	6381	6381	142651	22	12627394	1979	354	6381	155108	24
15	Narayanbagar	11	468	10044	10044	369396	37	1005000	100	141	10044	164696	16
16	Gairsain	11	825	22248	22248	1211118	54	26379025	1186	147	22248	260319	12
17	Kotdwar	11	2272	53146	18205	1109538	21	17750817	334	732	18205	463238	9
18	Rudraprayag	11	1008	12850	12129	808568	63	18389302	1431	248	12129	197322	15
19	Roorkee(Urban)	11	1489	26137	26137	1853238	71	29482536	1128	568	26137	706944	27
20	Roorkee(Rural)	11	2030	86622	64967	4157856	48	143446032	1656	698	64967	2519257	29
21	Ramnagar (Roorkee)	11	452	24116	21116	954443	40	33046490	1370	227	21116	479333	20
22	Bhagwanpur	11	2537	5552	5552	320123	58	16939657	3051	684	5552	86308	16
23	Haridwar(Urban)	11	386	236	193	12725	54	268804	1139	189	193	7625	32
24	Haridwar(Rural)	11	119	6339	5762	114280	18	2660245	420	42	5762	40334	6
25	Jwalapur	11	908	30095	28088	727181	24	12045625	400	144	28088	333608	11
26	Laksar	11	1438	96343	96343	7539399	78	162337955	1685	216	96343	1173704	12
27	Hadwani (Urban)	11	217	10424	10424	120679	12	1678264	161	50	10424	130900	13
28	Hadwani (Rural)	11	2039	222843	118816	3861839	17	57500460	258	964	118816	2072421	9
29	Nainital	11	351	45033	45033	231151	5	7501068	167	288	45033	182784	4
30	Ramnagar	11	1011	28719	28719	784852	27	15588130	543	321	28719	634288	22
31	Kashipur	11	1758	53494	53494	3281764	61	97519562	1823	463	53494	769110	14
32	Bazpur	11	1286	36221	36221	2576792	71	81424808	2248	189	36221	413699	11
33	Jaspur	11	688	33024	31456	1386126	42	68132168	2063	272	31456	536277	16
34	Rudrapur-I	11	784	86047	86047	1958833	23	76863604	893	79	86047	162546	2
35	Rudrapur-II	11	1725	56903	56903	3698695	65	98669802	1734	41	42094	112274	2
36	Sitraganj	11	397	24905	12452	429760	17	31455015	1263	0	12452	0	0
37	Khatima	11	567	48492	14201	473645	10	22704580	468	0	14201	0	0
38	Almora	11	2277	19371	11775	985708	51	22024827	1137	574	11775	352672	18
39	Bageshwar	11	2285	39937	39937	3035212	76	61942287	1551	576	39937	1153130	29
40	Ranikhet	11	1790	9556	9556	682177	71	15317221	1603	568	9556	220924	23
41	Bhikiyasain	11	1423	9484	9484	384797	41	11955378	1261	565	9484	157181	17
42	Pithoragarh	11	3469	55764	25417	1664562	30	53105195	952	397	20272	160830	3
43	Dharchula	11	840	24326	11325	664562	27	7871739	324	325	8845	60830	3
44	Champawat	11	1170	24164	7249	434952	18	6935068	287	254	7249	144984	6
	UPCL	11	44698	1524141	1217849	53780345	35	1393614680	914	12497	1156071	15820815	10