

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of March 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	164	9817	9817	267201	27	7015924	715	59	9817	104420	11
2	Mohanpur	11	17	5545	3050	51846	9	1256497	227	2	3050	6100	1
3	Vikasnagar	11	94	19082	15893	198186	10	4621211	242	27	15893	42682	2
4	Rishikesh	11	188	13707	13707	227904	17	6761753	493	80	13707	75291	5
5	Uttarkashi	11	53	8288	7619	79660	10	1312005	158	6	7619	7015	1
6	Barkot	11	47	2370	849	39903	17	437235	184	17	849	14433	6
7	Doiwala	11	77	4290	4290	120532	28	1921764	448	12	4290	19347	5
8	Dehradun (North)	11	398	40814	26591	191987	7	5276186	198	159	26591	162471	6
9	Dehradun (South)	11	733	91148	91148	1706579	19	19357171	212	272	91148	676672	7
10	Dehradun (Central)	11	408	3878	3878	39518	10	1516948	391	104	3878	26720	7
11	Srinagar	11	151	18565	9282	179430	10	5837565	314	52	9282	57975	3
12	Pauri	11	249	16913	4939	176711	10	4827047	285	49	7331	53432	3
13	Tehri	11	108	29942	29942	245646	8	8805950	294	28	29942	48551	2
14	Gopeshwar	11	221	8000	8000	236532	30	3633898	454	64	8000	67983	8
15	Narayanbagar	11	37	2072	2072	43330	21	997458	481	5	2072	5894	3
16	Gairsain	11	119	8064	8064	217558	27	1995468	247	22	8064	35412	4
17	Kotdwar	11	519	56803	46717	975712	17	21133811	372	285	46717	565788	10
18	Rudraprayag	11	101	2723	2723	52202	19	1435025	527	20	2233	5054	2
19	Roorkee(Urban)	11	513	32000	21995	976270	31	11579970	362	32	21995	47040	1
20	Roorkee(Rural)	11	234	20835	20835	840895	40	13969295	670	54	20835	185180	9
21	Ramnagar (Roorkee)	11	228	35376	35376	732475	21	17115866	484	59	35376	182942	5
22	Bhagwanpur	11	28	67206	67206	1881766	28	14718099	219	11	67206	739265	11
23	Haridwar(Urban)	11	890	2267	1745	58862	26	1498741	661	646	1745	47383	21
24	Haridwar(Rural)	11	20	900	818	8484	9	189168	210	16	818	7152	8
25	Jwalapur	11	180	51443	51443	656744	13	14025102	273	98	30721	201082	4
26	Laksar	11	95	2161	2161	83123	38	1131945	524	34	2161	26317	12
27	Hadwani (Urban)	11	578	95437	13402	676885	7	9312591	98	99	95437	476689	5
28	Haldwani (Rural)	11	40	3070	1918	22295	7	217611	71	10	1918	6479	2
29	Nainital	11	283	24952	19444	539758	22	20930642	839	84	19444	171225	7
30	Ramnagar	11	200	16959	5615	234545	14	6772945	399	23	16959	74041	4
31	Kashipur	11	383	39753	39753	1499533	38	17116175	431	113	39753	421604	11
32	Bazpur	11	220	13567	13567	495296	37	7785831	574	64	13567	147903	11
33	Jaspur	11	75	11368	11368	215722	19	4101764	361	20	11368	58420	5
34	Rudrapur	11	422	57542	57542	1339468	23	24546547	427	101	57542	292918	5
35	Sitraganj	11	114	9856	9856	240032	24	2008416	204	13	9856	27552	3
36	Khatima	11	90	11702	4290	129800	11	3475890	297	34	4290	51040	4
37	Almora	11	303	10819	10819	300835	28	3790078	350	41	10819	39418	4
38	Bageshwar	11	32	4176	4176	133632	32	2079648	498	11	4176	45936	11
39	Ranikhet	11	120	2365	793	26090	11	584338	247	18	793	4159	2
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	372	35228	11462	500184	14	10702511	304	47	9022	48572	1
42	Dharchula	11	113	8298	4292	82452	10	2185030	263	51	4292	32069	4
43	Champawat	11	133	12766	3830	86201	7	2064611	162	58	3830	38925	3
	UPCL	11	9350	912066	702287	16811784	18	290045730	318	3000	774406	5348550	6

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of March 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			
						$\sum A_i \times N_i$ 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	491	32745	32403	823788	25	28722824	877	160	32403	250564	8
2	Mohanpur	11	489	43680	27967	1129923	26	25752042	590	162	27967	349864	8
3	Vikasnagar	11	469	52478	40448	716839	14	25138436	479	127	40448	149717	3
4	Rishikesh	11	517	27432	27432	749999	27	24856929	906	56	27432	71429	3
5	Uttarkashi	11	159	19948	18048	152003	8	2741809	137	16	18048	17220	1
6	Barkot	11	443	20264	17239	568172	28	6947400	343	90	17239	126903	6
7	Doiwala	11	276	13654	13654	321623	24	5528968	405	55	13654	63338	5
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	934	42535	21267	649970	15	29837835	701	102	21267	80521	2
12	Pauri	11	1340	75372	17071	813879	11	31569933	419	281	14687	169077	2
13	Tehri	11	1468	105212	105212	3224541	31	101897968	969	195	105212	401812	4
14	Gopeshwar	11	446	8664	8664	304726	35	7853313	906	137	8664	97991	11
15	Narayanbagar	11	216	10044	10044	237864	24	9835442	979	41	10044	48050	5
16	Gairsain	11	456	21817	21817	695377	32	20839648	955	130	21817	193471	9
17	Kotdwar	11	1522	53146	18205	782012	15	14358394	270	558	18205	328136	6
18	Rudraprayag	11	453	12209	12930	336020	28	10082620	826	51	12930	40280	3
19	Roorkee(Urban)	11	1007	23651	9421	635504	27	23809980	1007	156	9421	99663	4
20	Roorkee(Rural)	11	847	86622	81504	2909513	34	102592626	1184	211	81504	737766	9
21	Ramnagar (Roorkee)	11	193	24836	24836	624613	25	24679726	994	41	24836	131870	5
22	Bhagwanpur	11	812	1113448	1113448	31370076	28	925957053	832	283	1113448	13421121	12
23	Haridwar(Urban)	11	63	112	92	2259	20	80513	719	23	92	886	8
24	Haridwar(Rural)	11	17	1953	1776	16428	8	501276	257	24	1776	20424	10
25	Jwalapur	11	98	4774	4774	114576	24	2755874	577	43	4774	57090	12
26	Laksar	11	804	57253	57253	2288668	40	60635639	1059	176	57253	541161	9
27	Haldwani (Urban)	11	155	9100	1879	97722	11	1356867	149	18	9100	34614	4
28	Haldwani (Rural)	11	1884	221910	125465	3584289	16	53461518	241	538	125465	1226546	6
29	Nainital	11	1094	44322	16919	654562	15	30714907	693	299	16983	178608	4
30	Ramnagar	11	709	26433	13950	538626	20	16564523	627	104	26433	125407	5
31	Kashipur	11	943	53494	48045	1895950	35	60255096	1126	193	48045	402801	8
32	Bazpur	11	598	36139	36139	1259463	35	31730196	878	121	36139	288719	8
33	Jaspur	11	623	33024	33024	1334053	40	35098230	1063	178	33024	389109	12
34	Rudrapur	11	578	60142	60119	1559092	26	79457551	1321	95	60119	197129	3
35	Sitraganj	11	412	41344	41344	1006048	24	28780688	696	75	41344	177264	4
36	Khatima	11	558	44149	19018	612524	14	23804805	539	236	19018	263951	6
37	Almora	11	832	14654	14654	426633	29	8311099	567	138	14654	79242	5
38	Bageshwar	11	783	39954	39954	1552086	39	29075932	728	188	39954	375207	9
39	Ranikhet	11	736	9697	4032	118016	12	4552051	469	114	4032	15188	2
40	Bhikyasain	11	1015	7655	7655	202997	27	6195398	809	154	7655	50862	7
41	Pithoragarh	11	2230	55424	25133	1038186	19	26863279	485	164	14948	64799	1
42	Dharchula	11	520	26818	10152	225810	8	12100197	451	191	10152	86269	3
43	Champawat	11	805	22639	6792	311737	14	8072789	357	218	6792	82191	4
	UPCL	11	27995	2598747	2189778	65886166	25	1943371372	748	6142	2196979	21436260	8