

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of January 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	206	9817	9817	335920	34	9175664	935	95	9817	163322	17
2	Mohanpur	11	60	5540	3047	182820	33	3616789	653	8	3047	24376	4
3	Vikasnagar	11	174	19082	15893	347093	18	7831597	410	62	15893	122565	6
4	Rishikesh	11	287	13707	13707	391626	29	7214848	526	124	13707	109159	8
5	Uttarkashi	11	90	8288	7619	141910	17	1519390	183	9	7619	14184	2
6	Barkot	11	52	2370	852	44304	19	264120	111	14	852	10150	4
7	Doiwala	11	113	4290	4290	187483	44	1976478	461	13	4290	20642	5
8	Dehradun (North)	11	506	40814	26591	422608	10	9738932	239	271	26591	239915	6
9	Dehradun (South)	11	657	91148	91148	1524283	17	30602489	336	248	91148	641224	7
10	Dehradun (Central)	11	578	3878	3878	41534	11	1509541	389	125	3878	30210	8
11	Srinagar	11	200	18565	9282	293058	16	5165238	278	12	9282	16277	1
12	Pauri	11	411	16913	4939	260979	15	5725755	339	92	7331	81303	5
13	Tehri	11	178	29942	29942	451370	15	11026182	368	39	29942	86607	3
14	Gopeshwar	11	216	10008	10008	322572	32	5501558	550	16	10008	27336	3
15	Narayanbagar	11	57	2072	2072	62622	30	1110816	536	22	2072	25648	12
16	Gairsain	11	87	7901	7901	166241	21	3293082	417	22	7901	34971	4
17	Kotdwar	11	522	56803	46717	1060467	19	17782890	313	657	46717	1381476	24
18	Rudraprayag	11	104	2723	2723	63900	23	700234	257	12	2233	4106	2
19	Roorkee(Urban)	11	699	32000	21995	1278320	40	14595270	456	47	21995	69365	2
20	Roorkee(Rural)	11	262	20835	20835	927235	45	22454660	1078	101	20835	314680	15
21	Ramnagar (Roorkee)	11	316	35376	35376	1015483	29	21077978	596	87	35376	264147	7
22	Bhagwanpur	11	18	79352	79352	1428328	18	22139091	279	9	79352	714164	9
23	Haridwar(Urban)	11	740	2970	2231	52535	18	1719077	579	383	2231	31738	11
24	Haridwar(Rural)	11	20	1105	1005	11638	11	655360	593	14	1005	8623	8
25	Jwalapur	11	277	51443	51443	1020534	20	14898598	290	84	30721	170361	3
26	Laksar	11	68	3265	3265	101950	31	1400715	429	44	3265	65280	20
27	Hadwani (Urban)	11	534	95437	14912	781403	8	10291680	108	113	95437	600209	6
28	Haldwani (Rural)	11	40	3296	2252	22198	7	243520	74	0	2252	0	0
29	Nainital	11	209	28934	22066	319654	11	7302358	252	43	22066	70593	2
30	Ramnagar	11	262	16959	5615	312465	18	4680205	276	42	16959	158786	9
31	Kashipur	11	383	39753	39753	1499533	38	18190999	458	172	39753	669411	17
32	Bazpur	11	324	13562	13562	731416	54	8523556	628	53	13562	132641	10
33	Jaspur	11	63	11368	11368	181618	16	4370798	384	7	11368	21208	2
34	Rudrapur	11	596	59423	59423	1408433	24	32466253	546	339	59423	804018	14
35	Sitraganj	11	154	9856	9856	318880	32	3477408	353	41	9856	67408	7
36	Khatima	11	87	11702	4290	126390	11	3853410	329	41	4290	54670	5
37	Almora	11	191	5782	5782	98511	17	2105461	364	68	5782	35960	6
38	Bageshwar	11	43	4176	4176	179568	43	2012832	482	3	4176	12528	3
39	Ranikhet	11	165	2365	793	33419	14	641814	271	40	793	8207	3
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	505	35157	11434	683535	19	7545152	215	64	8110	71299	2
42	Dharchula	11	113	8298	4292	82452	10	2288038	276	51	4292	32069	4
43	Champawat	11	133	12766	3830	86201	7	2328867	182	54	3830	35539	3
	UPCL	11	10700	929040	719331	19002490	20	333018703	358	3741	789056	7446375	8

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of January 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	659	32745	32403	1083012	33	35462648	1083	286	32403	444982	14
2	Mohanpur	11	463	43650	27947	1138185	26	22004176	504	347	27947	704431	16
3	Vikasnagar	11	709	52478	40448	1040423	20	25987844	495	283	40448	441783	8
4	Rishikesh	11	874	27432	27432	1216347	44	30696805	1119	98	27432	151861	6
5	Uttarkashi	11	231	19948	18048	228998	11	2188831	110	17	18048	15892	1
6	Barkot	11	469	20264	17233	613505	30	7437399	367	303	17233	366322	18
7	Doiwala	11	359	13654	13654	521810	38	11177367	819	43	13654	63418	5
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	796	41775	20887	547450	13	16302227	390	101	20887	99915	2
12	Pauri	11	1588	75372	17071	950447	13	31845817	423	390	14687	244860	3
13	Tehri	11	1539	105212	105212	3851366	37	155693257	1480	220	105212	428275	4
14	Gopeshwar	11	476	9603	9603	389325	41	11354304	1182	83	9603	60437	6
15	Narayanbagar	11	306	10044	10044	338304	34	13221398	1316	83	10044	94520	9
16	Gairsain	11	310	16070	16070	430986	27	17909611	1114	116	16070	125911	8
17	Kotdwar	11	1960	53146	18205	1078855	20	21483585	404	673	18205	436228	8
18	Rudraprayag	11	694	12209	12930	534200	44	10932700	895	124	12930	104470	9
19	Roorkee(Urban)	11	1618	23651	9421	924262	39	34163335	1444	291	9421	182108	8
20	Roorkee(Rural)	11	911	81504	81504	2976976	37	207260400	2543	440	81504	1496829	18
21	Ramnagar (Roorkee)	11	217	24836	24836	699121	28	30565858	1231	93	24836	294498	12
22	Bhagwanpur	11	449	996445	996445	20850648	21	1107816089	1112	242	996445	10842746	11
23	Haridwar(Urban)	11	55	112	95	1415	13	85755	766	30	95	876	8
24	Haridwar(Rural)	11	17	2095	1905	14295	7	1263546	603	27	1905	22302	11
25	Jwalapur	11	90	4774	4774	105028	22	3796606	795	32	4774	37510	8
26	Laksar	11	778	98906	98906	3678228	37	244457938	2472	232	98906	1820804	18
27	Haldwani (Urban)	11	203	9100	1879	125732	14	1568829	172	40	9100	92474	10
28	Haldwani (Rural)	11	2043	220550	151267	4876754	22	84208887	382	643	151267	1754013	8
29	Nainital	11	672	44846	17277	441689	10	5246784	117	121	17277	75135	2
30	Ramnagar	11	854	26433	13950	613586	23	12598273	477	156	26433	176067	7
31	Kashipur	11	990	53494	48045	1972351	37	97437223	1821	304	48045	626484	12
32	Bazpur	11	891	36125	36125	1771084	49	65056492	1801	182	36125	383044	11
33	Jaspur	11	553	33024	33024	1227672	37	50211514	1520	262	33024	560673	17
34	Rudrapur	11	1643	100462	100462	4247206	42	159672666	1589	654	100462	1730981	17
35	Sitraganj	11	548	41344	41344	1336800	32	41266576	998	163	41344	382144	9
36	Khatima	11	526	44149	19018	572632	13	29224809	662	253	19018	296647	7
37	Almora	11	731	11953	11953	322227	27	12542350	1049	243	11953	104228	9
38	Bageshwar	11	1140	39952	39952	2273541	57	34482157	863	193	39952	393040	10
39	Ranikhet	11	765	9697	4032	122048	13	4471411	461	232	4032	34145	4
40	Bhikyasain	11	958	7655	7655	100189	13	5236940	684	131	7655	41366	5
41	Pithoragarh	11	2062	55360	25114	1064261	19	22344240	404	177	11160	69286	1
42	Dharchula	11	500	26818	10152	215658	8	13562085	506	291	10152	137029	5
43	Champawat	11	787	22639	6792	304945	13	8996460	397	308	6792	116150	5
	UPCL	11	31434	2549526	2173112	64801560	25	2691235192	1056	8907	2176479	25453883	10