

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of November 2020

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	188	9817	9817	306469	31	9852383	1004	53	9817	94603	10
2	Mohanpur	11	52	5124	2818	146546	29	5084033	992	11	2818	31000	6
3	Vikasnagar	11	246	19082	15893	490130	26	12445642	652	46	15893	96712	5
4	Rishikesh	11	367	13707	13707	496646	36	10716767	782	90	5594	81838	6
5	Uttarkashi	11	149	8288	7619	204014	25	6481703	782	30	7619	42712	5
6	Barkot	11	32	2370	850	27200	11	599250	253	9	850	7650	3
7	Doiwala	11	48	3399	3399	67506	20	2018478	594	20	3399	19015	6
8	Dehradun (North)	11	256	42259	42259	398080	9	15973902	378	129	40172	251864	6
9	Dehradun (South)	11	624	91148	91148	1428161	16	64842334	711	258	91148	635166	7
10	Dehradun (Central)	11	622	3878	3878	54941	16	643346	225	298	3878	42874	10
11	Srinagar	11	134	12639	6319	175053	14	7567912	599	40	6319	50659	4
12	Pauri	11	340	16913	4939	199730	12	8308653	491	127	7331	117958	7
13	Tehri	11	378	29942	29942	801539	27	37552667	1254	154	29942	370228	12
14	Gopeshwar	11	117	4583	4583	64275	14	3816487	833	30	4583	21101	5
15	Narayanbagar	11	66	2072	2072	64092	31	2696512	1301	22	2072	19936	10
16	Gairsain	11	54	7901	7901	101627	13	6042630	765	22	7901	34971	4
17	Kotdwar	11	201	14442	5176	181584	13	5678936	393	69	5176	62872	4
18	Rudraprayag	11	237	2529	2430	87335	35	2926960	1157	69	2430	26557	11
19	Roorkee(Urban)	11	569	33430	22765	930990	28	43208510	1293	257	22765	428860	13
20	Roorkee(Rural)	11	232	15600	15600	732800	47	25424200	1630	43	15600	145200	9
21	Ramnagar (Roorkee)	11	326	35376	35376	1046087	30	41879066	1184	77	35376	216496	6
22	Bhagwanpur	11	29	79352	79352	2301196	29	49912144	629	5	79352	396758	5
23	Haridwar(Urban)	11	585	2970	2231	41383	14	1840378	620	476	2231	38430	13
24	Haridwar(Rural)	11	27	605	550	7384	12	520846	861	15	550	4002	7
25	Jwalapur	11	251	51443	51443	951601	18	32440661	631	17	30721	49809	10
26	Laksar	11	49	29188	29188	737114	25	20085292	688	23	29188	351382	12
27	Hadwani (Urban)	11	546	95437	14542	416048	4	16021499	168	109	95437	516095	5
28	Haldwani (Rural)	11	87	3659	2370	47352	13	1158997	317	18	2370	17059	5
29	Nainital	11	296	28632	20158	511973	18	18158512	634	100	20158	179053	6
30	Ramnagar	11	138	16948	7775	232585	14	10052685	593	39	7775	66605	4
31	Kashipur	11	173	39753	39753	662031	17	66040704	1661	121	39753	457930	12
32	Bazpur	11	100	13927	13927	205767	15	9801107	704	24	13927	51089	4
33	Jaspur	11	44	11368	11368	124834	11	4441594	391	20	11368	56260	5
34	Rudrapur	11	568	59423	59423	1357473	23	60214357	1013	314	59423	744595	13
35	Sitraganj	11	160	9856	9856	324928	33	12658272	1284	39	9856	58080	6
36	Khatima	11	41	11702	4290	61490	5	6734640	576	37	4290	50050	4
37	Almora	11	190	5782	5782	97879	17	3458449	598	48	5782	25143	4
38	Bageshwar	11	42	4176	4176	175392	42	4280400	1025	9	4176	37584	9
39	Ranikhet	11	237	2365	793	33419	14	948957	401	38	793	7220	3
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	366	34495	11227	429002	12	14945661	433	138	7686	118828	3
42	Dharchula	11	94	8298	4292	69095	8	3546630	427	60	4292	36428	4
43	Champawat	11	97	12766	3830	64487	5	3490370	273	60	3830	39730	3
	UPCL	11	9358	896643	704816	16857239	19	654512525	730	3564	753639	6100401	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of November 2020

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	617	32745	32403	1018206	31	35559857	1086	256	32403	398030	12
2	Mohanpur	11	513	39472	25394	978201	25	37560704	952	194	25394	295158	7
3	Vikasnagar	11	949	52478	40448	1364007	26	35452676	676	157	40448	353406	7
4	Rishikesh	11	916	27432	27432	1271211	46	32233010	1175	0	22647	0	0
5	Uttarkashi	11	447	16784	15239	496421	30	18092726	1078	150	15239	140473	8
6	Barkot	11	337	18301	15124	555706	30	12560581	686	64	15124	88025	5
7	Doiwala	11	216	13411	13411	267894	20	14573418	1087	91	13411	98202	7
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	491	39404	19702	390249	10	27556298	699	169	19702	187849	5
12	Pauri	11	1190	75372	17071	772564	10	29804736	395	253	14687	186096	2
13	Tehri	11	1369	103400	103400	2636009	25	133307763	1289	707	103400	1339201	13
14	Gopeshwar	11	248	7174	7174	121764	17	8426134	1175	92	7174	45781	6
15	Narayanbagar	11	297	10044	10044	328260	33	18343838	1826	83	10044	94520	9
16	Gairsain	11	388	16070	16070	575709	36	23468867	1460	88	16070	93771	6
17	Kotdwar	11	2773	97860	26818	1285674	13	39358156	402	938	26818	497407	5
18	Rudraprayag	11	705	12930	12930	499460	39	21904580	1694	179	12930	116340	9
19	Roorkee(Urban)	11	723	24663	9344	539603	22	29090948	1180	268	9344	201464	8
20	Roorkee(Rural)	11	1389	84439	84439	5128009	61	200663258	2376	319	84439	1183107	14
21	Ramnagar (Roorkee)	11	234	24836	24836	752840	30	43778610	1763	93	24836	294498	12
22	Bhagwanpur	11	370	996445	996445	17671840	18	1279457524	1284	150	996445	6856964	7
23	Haridwar(Urban)	11	51	112	95	1411	13	85755	766	34	95	908	8
24	Haridwar(Rural)	11	29	1518	1380	20232	13	1529388	1008	9	1380	6876	5
25	Jwalapur	11	82	4774	4774	95480	20	3577002	749	5	4774	8008	5
26	Laksar	11	478	110150	110150	2445410	22	178315383	1619	121	110094	616453	6
27	Haldwani (Urban)	11	94	9100	1606	52962	6	2708240	298	13	9100	39210	4
28	Haldwani (Rural)	11	2017	210229	109255	5804888	28	98047498	466	807	109255	1162061	6
29	Nainital	11	724	44664	17195	454384	10	24867201	557	349	17195	208234	5
30	Ramnagar	11	532	24490	14557	392423	16	20086405	820	211	14557	173570	7
31	Kashipur	11	315	38042	35685	732320	19	74761114	1965	183	35685	410372	11
32	Bazpur	11	311	34552	34552	596989	17	39545799	1145	93	34552	186083	5
33	Jaspur	11	326	33024	33024	717970	22	38482180	1165	153	33024	277051	8
34	Rudrapur	11	1916	100462	100462	4950440	49	196743144	1958	467	100462	1278729	13
35	Sitraganj	11	480	41344	41344	1171424	28	60605200	1466	52	41344	113392	3
36	Khatima	11	424	44149	19018	458527	10	35006148	793	185	19018	220577	5
37	Almora	11	850	11953	11953	371302	31	15327399	1282	156	11953	68369	6
38	Bageshwar	11	366	39274	39274	684512	17	50008048	1273	112	39274	212887	5
39	Ranikhet	11	968	9697	4032	150272	15	5342323	551	311	4032	44965	5
40	Bhikyasain	11	1089	7655	7655	150239	20	7522539	983	216	7655	59456	8
41	Pithoragarh	11	1253	54680	21588	744265	14	35351830	647	242	12534	140839	3
42	Dharchula	11	355	26818	10152	155995	6	12790533	477	258	10152	128649	5
43	Champawat	11	674	22639	6792	260897	12	9315670	411	290	6792	109358	5
	UPCL	11	27506	2562587	2122267	57065969	22	2951212483	1152	8518	2113482	17936340	7