

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of December 2019

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			
						$\sum Ai \times Ni$ 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	164	9817	9817	267201	27	7673009	782	47	9817	84786	9
2	Mohanpur	11	45	5124	2818	126819	25	4328755	845	16	2818	45091	9
3	Vikasnagar	11	214	19082	15893	426558	22	10776877	565	55	15893	119347	6
4	Rishikesh	11	302	13707	13707	428111	31	8180972	597	116	5594	117408	9
5	Uttarkashi	11	113	8288	7619	158300	19	4790285	578	35	7619	51297	6
6	Barkot	11	29	2370	850	24650	10	508300	214	6	850	5100	2
7	Doiwala	11	36	3399	3399	53910	16	1794144	528	9	3399	10197	3
8	Dehradun (North)	11	222	42259	42259	375683	9	38202136	904	116	40172	272571	6
9	Dehradun (South)	11	542	91148	91148	1233410	14	60486469	664	258	91148	635166	7
10	Dehradun (Central)	11	301	14472	14472	184807	13	9739656	673	137	13972	133142	9
11	Srinagar	11	114	12639	6319	149776	12	6910708	547	30	6319	38020	3
12	Pauri	11	298	16913	4939	170096	10	3477004	206	106	7331	95965	6
13	Tehri	11	333	29942	29942	711713	24	32881715	1098	182	29942	430112	14
14	Gopeshwar	11	93	4583	4583	50526	11	3417770	746	29	4583	18283	4
15	Narayanbagar	11	58	2072	2072	55804	27	2280040	1100	13	2072	18466	9
16	Gairsain	11	38	7901	7901	70023	9	5450055	690	18	7901	27070	3
17	Kotdwar	11	177	14442	5176	160880	11	5130280	355	83	5176	83440	6
18	Rudraprayag	11	225	2529	2430	82627	33	2669380	1056	61	2430	30765	12
19	Roorkee(Urban)	11	513	33430	22765	839930	25	38564450	1154	187	22765	315035	9
20	Roorkee(Rural)	11	217	15600	15600	686000	44	22241800	1426	53	15600	176400	11
21	Ramnagar (Roorkee)	11	304	35376	35376	975335	28	38306090	1083	88	35376	251872	7
22	Bhagwanpur	11	21	79352	79352	1666383	21	30867765	389	3	79352	238055	3
23	Haridwar(Urban)	11	492	2970	2231	34691	12	1621789	546	414	2231	33969	11
24	Haridwar(Rural)	11	17	605	550	4634	8	468596	775	13	550	3616	6
25	Jwalapur	11	195	51443	51443	745829	14	27244918	530	20	30721	59181	11
26	Laksar	11	43	29188	29188	649550	22	17516748	600	16	29188	239792	8
27	Hadwani (Urban)	11	504	95437	14542	386964	4	14581802	153	88	95437	420658	4
28	Hadwani (Rural)	11	87	3659	2370	47352	13	1158997	317	18	2370	17059	5
29	Nainital	11	231	28632	20158	411184	14	13703645	479	87	20158	158895	6
30	Ramnagar	11	123	16948	7775	209260	12	8311085	490	44	7775	79465	5
31	Kashipur	11	129	39753	39753	503019	13	57215538	1439	99	39753	378424	10
32	Bazpur	11	72	13927	13927	150059	11	8436261	606	31	13927	65016	5
33	Jasipur	11	32	11368	11368	90730	8	3247954	286	12	11368	33524	3
34	Rudrapur	11	318	59423	59423	763243	13	14220955	239	89	59423	209788	4
35	Sitraganj	11	145	9856	9856	295360	30	11623392	1179	29	9856	38368	4
36	Khatima	11	35	11702	4290	52910	5	6288480	537	32	4290	40150	3
37	Almora	11	157	5782	5782	80533	14	3273425	566	71	5782	39941	7
38	Bageshwar	11	38	4176	4176	158688	38	4029840	965	6	4176	25056	6
39	Ranikhet	11	201	2365	793	28661	12	799080	338	38	793	7220	3
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	326	34495	11227	384094	11	12644126	367	118	7686	103456	3
42	Dharchula	11	70	8298	4292	51927	6	3100262	374	81	4292	43389	5
43	Champawat	11	79	12766	3830	52998	4	3195475	250	54	3830	35900	3
	UPCL	11	7653	907237	715410	14000228	15	551360028	608	3008	763733	5230455	6

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of December 2019

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	KW		Nos.	Min		Nos.					
1	Raipur Dehradun	11	512	32745	32403	856191	26	28366391	866	340	32403	527642	16
2	Mohanpur	11	465	39472	25394	902019	23	31059840	787	226	25394	345946	9
3	Vikasnagar	11	859	52478	40448	1242663	24	30922500	589	192	40448	470456	9
4	Rishikesh	11	832	27432	27432	1161482	42	26362511	961	0	22647	0	0
5	Uttarkashi	11	377	16784	15239	420226	25	16126895	961	161	15239	147807	9
6	Barkot	11	311	18301	15124	525458	29	11033057	603	66	15124	81455	4
7	Doiwala	11	172	13411	13411	214250	16	13259140	989	80	13411	84791	6
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	431	39404	19702	331143	8	24522185	622	149	19702	168147	4
12	Pauri	11	1035	75372	17071	687209	9	24666365	327	282	14687	202184	3
13	Tehri	11	1247	103400	103400	2429209	23	118418163	1145	746	103400	1381614	13
14	Gopeshwar	11	206	7174	7174	100242	14	7945474	1108	86	7174	42364	6
15	Narayanbagar	11	261	10044	10044	288084	29	16776974	1670	65	10044	74432	7
16	Gairsain	11	360	16070	16070	543569	34	21942217	1365	74	16070	77701	5
17	Kotdwar	11	2623	97860	26818	1214409	12	35438566	362	1088	26818	576332	6
18	Rudraprayag	11	625	12930	12930	447740	35	19758200	1528	239	12930	155130	12
19	Roorkee(Urban)	11	697	24663	9344	483539	20	26811012	1087	245	9344	193797	8
20	Roorkee(Rural)	11	1320	84439	84439	4874692	58	178202484	2110	273	84439	1014229	12
21	Ramnagar (Roorkee)	11	210	24836	24836	678332	27	40202226	1619	77	24836	244826	10
22	Bhagwanpur	11	278	996445	996445	13686058	14	833050020	836	155	996445	7135909	7
23	Haridwar(Urban)	11	43	112	95	1222	11	76777	686	30	95	814	7
24	Haridwar(Rural)	11	21	1518	1380	14712	10	1390008	916	12	1380	9612	6
25	Jwalapur	11	70	4774	4774	81158	17	3075732	644	0	4774	0	0
26	Laksar	11	428	110150	110150	2225110	20	153641783	1395	96	110094	506359	5
27	Haldwani (Urban)	11	82	9100	1606	46536	5	2457632	270	19	9100	57411	6
28	Haldwani (Rural)	11	2017	210229	109255	5804888	28	98047498	466	807	109255	1162061	6
29	Nainital	11	637	44664	17195	402799	9	22992946	515	291	17195	173844	4
30	Ramnagar	11	448	24490	14557	334195	14	17116777	699	228	14557	187112	8
31	Kashipur	11	251	38042	35685	589580	15	67481374	1774	215	35685	481742	13
32	Bazpur	11	275	34552	34552	527885	15	36470671	1056	121	34552	211575	6
33	Jasipur	11	275	33024	33024	618898	19	31679236	959	170	33024	310075	9
34	Rudrapur	11	668	100462	100462	1735656	17	32990084	328	116	100462	374571	4
35	Sitraganj	11	412	41344	41344	1006048	24	53783440	1301	58	41344	119536	3
36	Khatima	11	373	44149	19018	401474	9	32267619	731	168	19018	201559	5
37	Almora	11	734	11953	11953	323490	27	14550454	1217	199	11953	83041	7
38	Bageshwar	11	324	39274	39274	605964	15	49261842	1254	133	39274	242032	6
39	Ranikhet	11	852	9697	4032	134144	14	4539955	468	266	4032	39542	4
40	Bhikyasain	11	1089	7655	7655	150239	20	7522539	983	216	7655	59456	8
41	Pithoragarh	11	1154	54680	21588	679501	12	30926290	566	278	12534	174214	3
42	Dharchula	11	275	26818	10152	115387	4	11328645	422	218	10152	108345	4
43	Champawat	11	602	22639	6792	233730	10	8806292	389	254	6792	95774	4
	UPCL	11	23851	2562587	2122267	47119132	18	2185271815	853	8439	2113482	17523437	7