

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of December 2018

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	231	9817	9817	491801	50	6945455	707	88	9817	175016	18
2	Mohanpur	11	69	5124	2818	194456	38	3240930	633	7	2818	19727	4
3	Vikasnagar	11	194	18924	15753	487631	26	12564556	664	17	15753	19017	1
4	Rishikesh	11	258	14011	14011	366659	26	9869362	704	36	5505	49426	4
5	Uttarkashi	11	95	17327	13026	156291	9	305126	18	0	13026	0	0
6	Doiwala	11	52	872	872	12848	15	465796	534	14	872	2936	3
7	Dehradun (North)	11	474	46177	46177	725902	16	16046046	347	467	44284	769309	17
8	Dehradun (South)	11	570	85770	85770	1324668	15	36383421	424	433	83957	995234	12
9	Dehradun (Central)	11	200	56918	56918	400703	7	19860398	349	214	56918	409810	7
10	Srinagar	11	132	5247	2623	92841	18	2580627	492	7	2623	4389	1
11	Pauri	11	140	16814	4917	106545	6	2545134	151	16	7331	17536	1
12	Tehri	11	328	29942	29942	860813	29	19001088	635	20	29942	37395	1
13	Gopeshwar	11	288	8032	8032	351349	44	7144104	889	55	8032	55449	7
14	Narayanbagar	11	74	2072	2072	106652	51	2739164	1322	21	2072	29610	14
15	Gairsain	11	185	7901	7901	453079	57	10925715	1383	26	7901	64670	8
16	Kotdwar	11	221	18154	5818	296714	16	4202890	232	15	5818	12618	1
17	Rudraprayag	11	111	2099	2000	103646	49	2650600	1263	9	2000	12690	6
18	Roorkee(Urban)	11	373	32550	22655	671035	21	15139250	465	44	22655	78755	2
19	Roorkee(Rural)	11	322	15600	15600	1313000	84	47406000	3039	120	15600	528800	34
20	Ramnagar (Roorkee)	11	345	34700	34700	963907	28	31090605	896	68	34700	205743	6
21	Bhagwanpur	11	90	2348	2348	211286	90	2793667	1190	4	2170	8680	4
22	Haridwar(Urban)	11	454	1982	1459	27758	14	644995	325	341	1459	21220	11
23	Haridwar(Rural)	11	13	565	514	6682	12	207142	367	4	514	2056	4
24	Jwalapur	11	236	6193	6193	229251	37	4086654	660	4	6193	5005	1
25	Laksar	11	90	7045	7045	320435	45	10247100	1455	7	7045	25510	4
26	Hadwani (Urban)	11	373	95437	12793	390306	4	6981527	73	45	95437	191457	2
27	Haldwani (Rural)	11	42	3795	1563	16038	4	532980	140	1	1563	1460	0.4
28	Nainital	11	216	24886	17032	391636	16	9833757	395	66	17032	111306	4
29	Ramnagar	11	171	15995	11225	485700	30	7716860	482	54	15995	256210	16
30	Kashipur	11	309	39753	39753	643119	16	17668349	444	123	39753	255449	6
31	Bazpur	11	184	12821	12821	316510	25	10352284	807	38	12821	67682	5
32	Jaspur	11	89	11368	11368	260514	23	14765580	1299	14	11368	45622	4
33	Rudrapur	11	55	59423	59423	136862	2	684310	12	0	59423	0	0
34	Sitraganj	11	41	10720	10720	104560	10	8658800	808	16	10720	38560	4
35	Khatima	11	168	11702	3410	196350	17	4578200	391	8	3410	8580	1
36	Almora	11	416	10316	10316	429552	42	5509232	534	55	10316	55047	5
37	Bageshwar	11	103	4176	4176	430128	58	7044912	1314	16	4176	66816	11
38	Ranikhet	11	97	3936	2299	60159	15	907400	231	35	2299	11931	3
39	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
40	Pithoragarh	11	498	35429	11529	687134	19	11844571	334	62	7870	66682	2
41	Dharchula	11	225	8716	4121	139063	16	6676626	766	107	4121	71953	8
42	Champawat	11	9	11921	11921	16263	1	9512986	798	22	11921	56746	5
UPCL		11	8541	806578	623452	14979847	19	392354198	486	2699	697231	4856102	6

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of December 2018

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	947	32745	32403	1554602	47	35468886	1083	682	32403	1983756	61
2	Mohanpur	11	549	39122	25194	1330230	34	26315354	673	401	25194	688034	18
3	Vikasnagar	11	675	52438	40363	975195	19	22172990	423	10	40363	44577	1
4	Rishikesh	11	371	24880	24880	868717	35	19730934	793	0	22969	0	0
5	Uttarkashi	11	208	35952	29711	287940	8	580175	16	0	29711	0	0
6	Doiwala	11	280	13847	13847	418411	30	14251793	1029	76	13847	94592	7
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	657	14850	7425	326653	22	9431543	635	120	7425	59611	4
11	Pauri	11	585	56599	17071	445322	8	12071348	213	62	14687	77996	1
12	Tehri	11	1834	102203	101408	4011720	39	80509139	788	136	102192	281850	3
13	Gopeshwar	11	654	9538	9538	534635	56	19265964	2020	153	9538	120177	13
14	Narayanbagar	11	276	10044	10044	407864	41	14716306	1465	76	10044	104388	10
15	Gairsain	11	347	16070	16070	498084	31	13800344	859	14	16070	19977	1
16	Kotdwar	11	1571	104174	37873	1589561	15	32594333	313	264	37412	200463	2
17	Rudraprayag	11	742	12930	12930	513840	40	19422720	1502	144	12930	116220	9
18	Roorkee(Urban)	11	860	22980	14800	1182965	51	45522700	1981	290	14800	425070	18
19	Roorkee(Rural)	11	1780	79631	68468	5173206	65	208662790	2620	452	68468	1335974	17
20	Ramnagar (Roorkee)	11	548	24836	24836	1896914	76	33933164	1366	25	24836	114565	5
21	Bhagwanpur	11	1199	48766	48766	2960331	61	41240057	846	213	46632	480512	10
22	Haridwar(Urban)	11	81	107	95	5086	48	204561	1912	69	95	5620	53
23	Haridwar(Rural)	11	9	1388	1262	5749	4	181876	131	9	1262	5469	4
24	Jwalapur	11	92	2970	2970	81840	28	3260400	1098	0	2970	0	0
25	Laksar	11	961	67525	67525	4486635	66	217076580	3215	89	67525	348580	5
26	Haldwani (Urban)	11	127	10424	1632	73949	7	1244051	119	17	10424	61917	6
27	Haldwani (Rural)	11	1304	201711	100940	2241991	11	35635322	177	143	100940	598020	3
28	Nainital	11	526	44286	17017	384671	9	4238197	96	132	17017	85925	2
29	Ramnagar	11	584	23035	17569	803620	35	15324586	665	162	23035	215443	9
30	Kashipur	11	650	38042	35685	1340861	35	61892346	1627	162	35685	305023	8
31	Bazpur	11	493	29591	29591	1290446	44	56842624	1921	87	29591	206046	7
32	Jaspur	11	758	35034	35034	1492806	43	77267647	2206	160	35034	303906	9
33	Rudrapur	11	106	100462	100462	286418	3	1432090	14	10	100462	36088	0.36
34	Sitraganj	11	406	41504	41504	1003376	24	38684880	932	57	41504	132944	3
35	Khatima	11	826	44149	10632	714655	16	23743181	538	43	10632	33873	1
36	Almora	11	1428	9944	9944	580269	58	8470973	852	127	9449	56702	6
37	Bageshwar	11	763	38970	38970	1533434	39	30417028	781	138	38970	258988	7
38	Ranikhet	11	930	11093	6330	281605	25	5937466	535	91	6330	26609	2
39	Bhikiyasain	11	574	7991	7991	189440	24	4094165	512	109	7991	47529	6
40	Pithoragarh	11	1373	55649	23869	805647	14	16369476	294	64	8170	31916	1
41	Dharchula	11	799	24534	9045	381533	16	18535200	755	372	9045	170234	7
42	Champawat	11	39	20166	20166	41787	2	10534373	522	54	20166	65457	3
UPCL		11	26912	1510181	1113861	43002009	28	1281077561	848	5213	1105820	9144050	6