

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of January 2017

SI No	Name of Electricity Distribution Division	No. of Urban Feeders	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	2	3	4	5	6	7	8=7/5
1	Dehradun (Rural)	5	11	35	8856	7591	60437	7	14273500	1612	73	7591	111748	13
2	Vikasnagar	6	11	216	17268	15087	14678	1	32993979	1911	14	15087	38572	2
3	Rishikesh	17	11	650	18248	17494	659845	36	4536385	249	68	17494	71098	4
4	Uttarkashi	10	11	255	17327	13027	357319	21	21429978	1237	306	13027	445930	26
5	Doiwala	3	11	0	0	0	0	0	0	0	0	0	0	0
6	Dehradun (North)	36	11	561	45918	45918	972543	21	27157283	591	384	43005	730555	16
7	Dehradun (South)	31	11	733	64919	52861	1300328	20	38783260	597	496	54195	951713	15
8	Dehradun (Central)	27	11	262	50767	50767	544509	11	13501620	266	153	46477	319315	7
9	Srinagar	5	11	94	5360	2680	61878	12	1354321	253	8	2680	5417	1
10	Pauri	10	11	284	21047	8469	265830	13	6884397	327	35	14357	61964	3
11	Tehri	14	11	367	30198	30198	1144622	38	49111670	1626	265	30198	1040757	34
12	Gopeshwar	8	11	187	6397	6397	208549	33	9169188	1433	66	6397	63643	10
13	Narayanbagar	4	11	98	4989	4989	125804	25	4277134	857	37	4989	52586	11
14	Kotdwar	6	11	309	28530	14432	797517	28	44944621	1575	168	28530	840098	29
15	Rudraprayag	3	11	41	1017	395	9496	9	258340	254	68	395	12416	12
16	Roorkee(Urban)	23	11	910	61085	40338	1733181	28	38744174	634	390	40338	871548	14
17	Roorkee(Rural)	3	11	429	13100	13100	1899700	145	73244200	5591	49	13100	250500	19
18	Haridwar(Urban)	44	11	710	212747	103507	2291464	11	43821768	206	210	103507	563055	3
19	Haridwar(Rural)	2	11	72	4484	4076	175464	39	8856256	1975	8	4076	16304	4
20	Laksar	2	11	126	3390	3390	192960	57	10104500	2981	18	3390	28220	8
21	Hadwani (Urban)	16	11	579	48415	15102	640763	13	15377211	318	121	15102	124238	3
22	Haldwani (Rural)	2	11	49	9138	2566	62867	7	2033555	223	1	2566	1283	0
23	Nainital	10	11	38	13988	11890	43844	3	12004514	858	517	11890	633304	45
24	Ramnagar	4	11	225	15995	12225	676885	42	12119205	758	53	15995	227345	14
25	Kashipur	10	11	171	30582	30582	518043	17	49523016	1619	106	30582	318776	10
26	Bazpur	7	11	262	15945	13178	505981	32	30477396	1911	31	13178	61397	4
27	Jaspur	4	11	106	11368	11368	309952	27	14252822	1254	29	11368	85898	8
28	Rudrapur	21	11	84	71900	71900	309300	4	1546500	22	5	71900	27100	0
29	Sitraganj	27	11	98	28398	28398	108656	4	704782	25	40	197038	59296	2
30	Almora	18	11	1150	9176	9176	688384	75	147002544	1602	0	9176	0	0
31	Bageshwar	1	11	119	4153	4153	494207	119	9223813	2221	21	4153	87213	21
32	Ranikhet	5	11	62	4145	4145	74739	18	1096309	264	27	27	26133	6
33	Pithoragarh	10	11	515	558	410	26530	48	868680	1557	215	410	9949	18
34	Dharchula	4	11	34	6179	6179	57786	9	17443667	2823	57	6179	90214	15
35	Champawat	5	11	92	9620	9693	177468	18	38718323	4025	45	9693	86416	9
	UPCL	403	11	9923	895207	665680	17511528	20	795838910	889	4084	848089	8314001	9

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of January 2017

SI No	Name of Electricity Distribution Division	No. of Rural Feeders	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	2	3	4	5	6	7	8=7/5
1	Dehradun (Rural)	46	11	1425	163666	88206	3574026	22	172797500	1056	833	46296	2226714	14
2	Vikasnagar	29	11	1218	49048	40973	40361	1	119697032	2440	80	40973	139839	3
3	Rishikesh	12	11	485	12006	11705	476648	40	2855922	238	41	11705	40247	3
4	Uttarkashi	23	11	669	35952	29711	839412	23	39505855	1099	788	29711	1027448	29
5	Doiwala	15	11	193	5503	5503	337149	61	8915085	1620	50	5503	89994	16
6	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Srinagar	25	11	481	19044	9522	228063	12	11972291	629	86	9522	36818	2
10	Pauri	29	11	663	42531	15191	481939	11	95187082	2238	158	14216	77153	2
11	Tehri	60	11	1522	94007	94007	3520297	37	185559955	1974	347	97747	831697	9
12	Gopeshwar	12	11	342	14542	14542	437519	30	22973772	1580	97	14542	98380	7
13	Narayanbagar	19	11	667	29209	29209	969424	33	46087112	1578	231	29209	402798	14
14	Kotdwar	48	11	1453	99975	61014	2394789	24	128635294	1287	849	100118	2068190	21
15	Rudraprayag	17	11	356	5908	1530	37327	6	966566	164	271	1523	34711	6
16	Roorkee(Urban)	17	11	1250	39825	24181	1697984	43	80777111	2028	358	24181	565368	14
17	Roorkee(Rural)	61	11	5682	142012	131391	12047968	85	764705413	5385	544	127777	1281061	9
18	Haridwar(Urban)	6	11	155	12879	9235	462609	36	14750778	1145	104	9235	284350	22
19	Haridwar(Rural)	80	11	1980	144221	131105	4159107	29	338013193	2344	268	131105	596414	4
20	Laksar	20	11	1627	14086	14086	1243682	88	91523281	6497	96	14086	68844	5
21	Haldwani (Urban)	4	11	83	5878	1664	51600	9	1624160	276	25	1334	12270	2
22	Haldwani (Rural)	35	11	1090	167761	47108	1853880	11	30916922	184	266	47108	398079	2
23	Nainital	29	11	147	15980	13583	98697	6	21303779	1333	1133	27867	920424	58
24	Ramnagar	15	11	342	22585	22304	634943	28	34791346	1540	137	22585	289665	13
25	Kashipur	22	11	469	53326	53326	1233217	23	179997392	3375	276	53326	743353	14
26	Bazpur	18	11	630	41075	37487	1475606	36	120502970	2934	79	37487	174914	5
27	Jaspur	27	11	582	41637	41637	1061208	25	72633546	1744	138	41637	276468	7
28	Rudrapur	79	11	347	170760	170760	804020	5	4020100	24	5	170760	17530	0
29	Sitraganj	33	11	156	45378	45378	239366	5	1844710	41	122	45378	186291	4
30	Almora	15	11	1573	6390	6001	647825	101	14746666	2308	176	6390	76734	12
31	Bageshwar	22	11	1024	39076	39076	2026634	52	45249586	1158	200	39076	382742	10
32	Ranikhet	27	11	568	11254	11254	333409	30	9860265	876	131	131	73520	7
33	Pithoragarh	28	11	925	1173	905	32506	28	1117290	953	653	905	21292	18
34	Dharchula	19	11	198	19791	19791	213135	11	59440854	3003	312	19791	347996	18
35	Champawat	18	11	364	24585	25003	541085	22	113443957	4614	200	25003	265072	11
	UPCL	910	11	28666	1591064	1246388	44195435	28	2836416785	1783	9054	1246227	14056375	9