

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

SI No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI 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
		KV	KW		Nos.	Min		Nos.					
1	Raipur Dehradun	11	165	9817	9817	311244	32	6964144	709	123	9817	275738	28
2	Mohanpur	11	46	5124	2818	129637	25	3001383	586	10	2818	28182	6
3	Vikasnagar	11	251	18924	15753	542755	29	13413688	709	0	15753	0	0
4	Rishikesh	11	206	15752	14726	351575	22	8820362	560	21	6002	32930	2
5	Uttarkashi	11	220	17327	13026	361189	21	553472	32	3	13026	5289	0
6	Doiwala	11	61	872	872	14444	17	12517	14	20	872	4000	5
7	Dehradun (North)	11	407	46177	46177	539809	12	14782181	320	385	44284	430370	9
8	Dehradun (South)	11	622	79470	79470	1549387	19	33115854	417	416	77657	909515	11
9	Dehradun (Central)	11	157	53649	53649	114272	2	18875328	352	186	53649	114809	2
10	Srinagar	11	189	5344	2672	105295	20	3233642	605	1	2672	470	0
11	Pauri	11	113	16814	4917	75350	4	1440016	86	5	7331	4694	0
12	Tehri	11	321	29942	29942	851414	28	20105968	671	35	29942	77846	3
13	Gopeshwar	11	252	7546	7546	334686	44	14813742	1963	110	7546	123351	16
14	Narayanbagar	11	65	2072	2072	92330	45	2910524	1405	23	2072	27398	13
15	Gairsain	11	180	7901	7901	442736	56	18225818	2307	24	7901	55718	7
16	Kotdwar	11	419	16707	6310	595260	36	9045134	541	39	6310	48574	3
17	Rudraprayag	11	91	2099	2000	89384	43	2046526	975	4	2000	5640	3
18	Roorkee(Urban)	11	698	32990	22765	1246485	38	37001375	1122	41	22765	75135	2
19	Roorkee(Rural)	11	407	15600	15600	1641500	105	54474000	3492	112	15600	465600	30
20	Ramnagar (Roorkee)	11	436	34700	34700	1286743	37	49625060	1430	56	34700	145014	4
21	Bhagwanpur	11	85	2348	2348	199548	85	2793667	1190	3	2170	6510	3
22	Haridwar(Urban)	11	690	2408	1811	56899	24	2429456	1009	362	1811	30449	13
23	Haridwar(Rural)	11	21	669	608	12768	19	437760	654	10	608	6080	9
24	Jwalapur	11	861	49142	49144	3447102	70	53007329	1079	13	28422	20075	0
25	Laksar	11	97	6565	6565	314140	48	11832300	1802	6	6565	19695	3
26	Hadwani (Urban)	11	584	95437	14309	647282	7	14571502	153	181	95437	751766	8
27	Haldwani (Rural)	11	39	3957	1518	17843	5	487273	123	6	1518	8706	2
28	Nainital	11	351	24909	17307	608388	24	16129514	648	44	17307	76935	3
29	Ramnagar	11	208	15995	11225	578400	36	13610820	851	48	15995	169525	11
30	Kashipur	11	355	39753	39753	742266	19	26237271	660	128	39753	264728	7
31	Bazpur	11	211	12880	12834	430987	33	17448313	1355	36	12834	63939	5
32	Jaspur	11	116	11368	11368	341726	30	11436890	1006	27	11368	82726	7
33	Rudrapur	11	54	59423	59423	129147	2	645735	11	0	59423	0	0
34	Sitraganj	11	39	10720	10720	103120	10	8665200	808	12	10720	30560	3
35	Khatima	11	173	11702	3245	186890	16	5760700	492	8	3245	8140	1
36	Almora	11	529	10460	10460	548216	52	8387581	802	71	10460	72024	7
37	Bageshwar	11	85	4176	4176	354960	58	9166320	1314	4	4176	16704	4
38	Ranikhet	11	42	4081	1976	15431	4	243075	60	25	1976	10236	3
39	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
40	Pithoragarh	11	561	35502	11547	772431	22	16346338	460	79	7152	89791	3
41	Dharchula	11	220	8722	4122	140459	16	6838034	784	114	4122	70241	8
42	Champawat	11	9	13366	13366	18644	1	12065096	903	24	13366	54276	4
	UPCL	11	10636	842410	660559	20342142	24	551000908	654	2815	711145	4683377	6

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

Sl No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI 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
		KV	KW		Nos.	Min		Nos.					
1	Raipur Dehradun	11	689	32745	32403	1408008	43	23748903	725	529	32403	1882504	57
2	Mohanpur	11	686	39122	25194	1505512	38	37099672	948	462	25194	783294	20
3	Vikasnagar	11	731	52438	40363	1163312	22	27682542	528	0	40363	0	0
4	Rishikesh	11	297	23253	23253	598435	26	14960237	643	0	21342	0	0
5	Uttarkashi	11	439	35952	29711	594350	17	1030599	29	15	29711	25256	1
6	Doiwala	11	387	13847	13847	593002	43	329216	24	99	13847	132135	10
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	818	15304	7652	399122	26	10277511	672	110	7652	47838	3
11	Pauri	11	632	56599	17071	538821	10	15444021	273	119	14687	126610	2
12	Tehri	11	1903	101435	100640	4323223	43	94376088	930	104	101424	182681	2
13	Gopeshwar	11	842	10559	10559	781062	74	58494325	5540	229	10559	154736	15
14	Narayanbagar	11	241	10044	10044	356930	36	13432546	1337	83	10044	116948	12
15	Gairsain	11	366	16070	16070	494270	31	25414321	1581	50	16070	75472	5
16	Kotdwar	11	2080	104189	32301	1578805	15	43237431	415	320	32301	202147	2
17	Rudraprayag	11	710	12930	12930	532260	41	14864280	1150	244	12930	203140	16
18	Roorkee(Urban)	11	833	22155	11115	849415	38	50782275	2292	283	11115	292670	13
19	Roorkee(Rural)	11	2278	79631	68468	6735920	85	306428090	3848	369	68468	1074030	13
20	Ramnagar (Roorkee)	11	784	24836	24836	2708078	109	56631515	2280	33	24836	146080	6
21	Bhagwanpur	11	1154	48766	48766	2856470	59	39973719	820	186	46632	414950	9
22	Haridwar(Urban)	11	121	107	91	7690	72	379038	3542	73	91	6250	58
23	Haridwar(Rural)	11	20	1286	1169	14375	11	537933	418	24	1169	12954	10
24	Jwalapur	11	77	3223	3223	89001	28	86258	27	0	3223	0	0
25	Laksar	11	971	72150	72150	4910930	68	232708500	3225	109	71759	348886	5
26	Haldwani (Urban)	11	182	10424	1587	97327	9	2181359	209	30	10424	102716	10
27	Haldwani (Rural)	11	1478	203129	109706	2795293	14	73265709	361	241	109706	1177165	6
28	Nainital	11	799	44289	17681	550081	12	6367440	144	129	17065	87158	2
29	Ramnagar	11	745	25162	19006	1064076	42	24437970	971	163	29470	214259	9
30	Kashipur	11	673	38042	35685	1342804	35	73832654	1941	198	35685	385498	10
31	Bazpur	11	546	29741	29720	1513732	51	74814959	2516	99	29720	232776	8
32	Jaspur	11	928	35034	35034	1844705	53	95218909	2718	200	35034	439256	13
33	Rudrapur	11	95	100462	100462	258856	3	1294280	13	10	100462	36088	0
34	Sitraganj	11	402	41504	41504	987248	24	38484480	927	62	41504	144896	3
35	Khatima	11	807	44149	11200	724992	16	31955246	724	43	11200	35345	1
36	Almora	11	1998	9955	9955	743805	75	17806723	1789	192	9585	87805	9
37	Bageshwar	11	1138	39094	39094	2221776	57	66508858	1701	190	39094	380623	10
38	Ranikhet	11	1237	11009	5524	317887	29	8361269	759	145	5524	38380	3
39	Bhikiyasain	11	1299	9052	9052	530506	59	23929795	2644	132	9052	62176	7
40	Pithoragarh	11	1770	55723	23128	1051822	19	31063039	557	97	8597	48158	1
41	Dharchula	11	742	24579	9047	356439	15	18664905	759	426	9047	178136	7
42	Champawat	11	39	22637	22637	47330	2	14211664	628	87	22637	129795	6
	UPCL	11	31937	1520625	1121877	49487671	33	1670318279	1098	5885	1119626	10008810	7