

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

Sl No	Name of Electricity Distribution Division	No. of Urban Feeders	Feeder Voltage KV	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.
							7	8=7/5	9	10=9/5	11	12	13	14=13/5
1	Raipur Dehradun	6	11	70	9817	9817	137393	14	2466934	251	90	9817	206198	21
2	Mohanpur	-	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	7	11	197	17664	14618	486589	28	9287284	526	9	14618	15612	1
4	Rishikesh	17	11	593	16510	15795	547533	33	3157740	191	72	15795	55805	3
5	Uttarkashi	10	11	212	17327	13027	325741	19	1875097	108	11	13027	13139	1
6	Doiwala	3	11	154	4442	4442	285755	64	8570387	1929	35	4442	47219	11
7	Dehradun (North)	38	11	529	45197	45197	807670	18	25863079	572	446	46038	668916	15
8	Dehradun (South)	37	11	537	83963	83963	1307745	16	39515232	471	361	79600	815086	10
9	Dehradun (Central)	29	11	292	58312	58312	643181	11	19119922	328	255	59575	490404	8
10	Srinagar	5	11	120	5587	2793	84590	15	4653849	833	6	2793	5069	1
11	Pauri	7	11	137	16191	5887	97161	6	1308999	81	22	7331	23216	1.4
12	Tehri	15	11	100	29942	29757	213165	7	5264600	176	31	28613	67548	2
13	Gopeshwar	8	11	274	7757	7757	366005	47	9631241	1242	30	7757	34121	4
14	Narayanbagar	6	11	211	8382	9973	446343	53	11785852	1406	37	9973	78904	9
15	Kotdwar	6	11	272	15447	5299	308727	20	5345850	346	9	5299	6508	0.4
16	Rudraprayag	4	11	10	1210	155	409	0	405	0.33	22	100	4905	4
17	Roorkee(Urban)	14	11	483	32550	32550	1215335	37	34804000	1069	42	32550	108545	3
18	Roorkee(Rural)	4	11	280	15600	15600	1124000	72	49869500	3197	103	15600	419100	27
19	Ramnagar (Roorkee)	11	11	401	23342	23342	989344	42	11775561	504	73	23342	160789	7
20	Bhagwanpur	1	11	15	2753	2753	41295	15	316595	115	10	2753	27530	10
21	Haridwar(Urban)	28	11	461	1887	1488	33565	18	1247830	661	301	1488	22158	12
22	Haridwar(Rural)	2	11	40	1800	1636	30664	17	652312	362	31	1636	28185	16
23	Laksar	2	11	80	3580	3580	146000	41	211302	59	21	3580	38640	11
24	Hadwani (Urban)	21	11	549	56274	10598	304379	5	5386785	96	122	10598	50902	1
25	Haldwani (Rural)	2	11	51	5911	3009	52481	9	1449010	245	9	3009	8423	1
26	Nainital	10	11	314	24824	18845	661281	27	19962691	804	61	18845	117993	5
27	Ramnagar	4	11	161	15995	12225	490840	31	8365115	523	51	15995	215500	13
28	Kashipur	10	11	253	30695	30695	773322	25	42929290	1399	115	30695	351227	11
29	Bazpur	7	11	155	15196	15196	334906	22	12180996	802	36	15196	84713	6
30	Jaspur	4	11	60	11368	11368	175350	15	10420540	917	15	11368	43052	4
31	Rudrapur	25	11	124	59423	59423	310212	5	1555350	26	0	59423	0	0
32	Sitraganj	27	11	69	38708	38708	96457	2	849483	22	32	207348	77167	2
33	Almora	11	11	578	6458	6458	370546	57	10402713	1611	12	6458	7171	1
34	Bageshwar	1	11	83	4164	4164	345612	83	7262016	1744	4	4164	16656	4
35	Ranikhet	6	11	100	3756	2948	84044	22	1992553	530	44	2948	27098	7
36	Pithoragarh	10	11	493	31297	13511	826503	26	26237945	838	42	7771	49628	2
37	Dharchula	6	11	341	7435	3490	217700	29	20195400	2716	71	3490	40255	5
38	Champawat	6	11	71	12790	12790	150260	12	32558764	2546	48	12790	101598	8
UPCL		410	11	8870	743553	631168	14832103	20	448472221	603	2679	795824	4528978	6

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

Sl 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	Raipur Dehradun	20	11	461	32645	33245	901791	28	16527300	506	407	33245	1511367	46
2	Mohanpur	32	11	707	156447	76649	1675408	11	44585580	285	467	76649	1010109	6
3	Vikasnagar	29	11	617	50380	38810	1060967	21	20300047	403	58	38810	141341	3
4	Rishikesh	12	11	300	10961	10648	268410	24	2257050	206	43	10648	39122	4
5	Uttarkashi	23	11	454	35952	29711	601266	17	3128630	87	32	29711	45528	1
6	Doiwala	15	11	327	14120	14120	451520	32	13634252	966	141	14120	184327	13
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	28	11	536	18218	9109	221820	12	11695216	642	110	9109	37587	2
11	Pauri	31	11	747	46552	17457	567697	12	14087780	303	502	14603	343333	7
12	Tehri	61	11	1329	102240	102177	3148551	31	140761341	1377	243	101317	242495	2
13	Gopeshwar	15	11	451	8826	8826	482830	55	21716568	2461	58	8826	44550	5
14	Narayanbagar	22	11	592	24581	25884	971613	40	25873992	1053	117	25884	180727	7
15	Kotdwar	51	11	1591	96588	32086	1235856	13	27353877	283	478	32086	364668	4
16	Rudraprayag	17	11	56	5870	993	3270	1	5015	1	281	999	15203	3
17	Roorkee(Urban)	11	11	647	16600	16600	1092065	66	57054375	3437	258	16600	431590	26
18	Roorkee(Rural)	31	11	1794	103581	89460	5283384	51	288310710	2783	423	89460	1240734	12
19	Ramnagar (Roorkee)	7	11	495	26513	26513	1787727	67	34592845	1305	55	26513	279738	11
20	Bhagwanpur	41	11	675	127498	115088	1822438	14	51648812	405	690	118817	1633394	13
21	Haridwar(Urban)	5	11	144	314	220	11942	38	432477	1377	92	220	9048	29
22	Haridwar(Rural)	63	11	509	84811	77095	844588	10	41406754	488	445	77095	573567	7
23	Laksar	20	11	1487	36635	36635	2856795	78	2625408	72	125	36635	279445	8
24	Haldwani (Urban)	4	11	75	5878	1264	32029	5	492872	84	21	1334	10048	2
25	Haldwani (Rural)	33	11	1165	185145	94350	1877138	10	30882276	167	167	94350	332803	2
26	Nainital	29	11	623	44203	16708	483774	11	9476250	214	112	16708	95084	2
27	Ramnagar	15	11	590	22585	22304	1282529	57	25566986	1132	166	22585	356342	16
28	Kashipur	34	11	806	102304	102304	2014337	20	144511478	1413	232	102304	517439	5
29	Bazpur	18	11	498	41315	41316	1335170	32	38725859	937	107	41316	267658	6
30	Jaspur	27	11	510	40313	41637	1061438	26	50305734	1248	135	41637	279207	7
31	Rudrapur	104	11	385	257122	257122	966977	4	4835135	19	10	257122	36088	0.1
32	Sitraganj	34	11	177	50080	50080	266402	5	1783200	36	116	50080	190082	4
33	Almora	25	11	1570	14540	14540	1040724	72	19688263	1354	43	14540	28613	2
34	Bageshwar	22	11	909	39282	39282	1759370	45	44078851	1122	165	39282	320165	8
35	Ranikhet	29	11	910	10623	8196	389438	37	8033295	756	139	8196	63161	6
36	Pithoragarh	33	11	927	47835	13449	536929	11	12965107	271	65	9340	32070	1
37	Dharchula	22	11	1148	22530	8507	539316	24	43225560	1919	464	8507	197273	9
38	Champawat	20	11	223	23032	23032	263103	11	53067187	2304	176	23032	193345	8
UPCL		983	11	24435	1906120	1495417	39138611	21	1305636082	685	7143	1491680	11527250	6