

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

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	Raipur Dehradun	6	11	128	9817	9817	255831	26	5271875	537	87	9817	219977	22
2	Mohanpur	-	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	7	11	195	17673	14634	536783	30	14156979	801	42	14634	62192	4
4	Rishikesh	17	11	435	14934	14086	427359	29	6441508	431	77	14086	63255	4
5	Uttarkashi	10	11	205	17327	13026	337242	19	1242384	72	3	13026	2737	0.2
6	Doiwala	3	11	171	246	246	17124	70	9875	40	33	246	2388	10
7	Dehradun (North)	38	11	485	45827	45827	659451	14	20085058	438	372	44662	533885	12
8	Dehradun (South)	35	11	309	79470	79470	823176	10	13933612	175	304	77657	671258	8
9	Dehradun (Central)	30	11	229	59575	59575	470047	8	12897988	217	222	59381	453962	8
10	Srinagar	5	11	115	5182	2591	78947	15	1708488	330	22	2591	12615	2
11	Pauri	7	11	146	16786	4887	103549	6	1087889	65	29	7331	47651	3
12	Tehri	15	11	91	29942	29942	200157	7	4179713	140	43	29942	99887	3
13	Gopeshwar	8	11	340	5490	5490	352321	64	12365519	2252	103	5490	73862	13
14	Narayanbagar	6	11	211	8382	9973	406775	49	9024702	1077	42	9973	95409	11
15	Kotdwar	6	11	325	18154	5520	331384	18	4831174	266	20	5520	17732	1
16	Rudraprayag	4	11	10	1039	182	672	1	48520	47	18	100	505	0.5
17	Roorkee(Urban)	14	11	634	32000	32000	1606195	50	28098375	878	39	32000	85750	3
18	Roorkee(Rural)	4	11	156	15600	15600	653200	42	23147000	1484	87	15600	395100	25
19	Ramnagar (Roorkee)	10	11	387	22937	22937	1014685	44	12076672	527	50	22937	108598	5
20	Bhagwanpur	1	11	144	2105	2170	303086	144	7193550	3418	5	2170	10850	5
21	Haridwar(Urban)	29	11	457	1671	1222	27569	16	726966	435	331	1222	20846	12
22	Haridwar(Rural)	2	11	46	1556	1414	28350	18	3378486	2171	33	1414	26013	17
23	Laksar	2	11	42	2270	2270	51120	23	54125	24	21	2270	22110	10
24	Hadwani (Urban)	21	11	551	56274	11964	351732	6	5063920	90	118	11964	74409	1
25	Haldwani (Rural)	2	11	74	6104	2899	82455	14	1245715	204	10	2899	13277	2
26	Nainital	10	11	310	24846	19104	619106	25	11898662	479	63	19104	125456	5
27	Ramnagar	4	11	124	15995	12225	417375	26	5843080	365	53	15995	230880	14
28	Kashipur	10	11	357	30695	30695	1102938	36	32096563	1046	124	30695	386847	13
29	Bazpur	7	11	185	12690	12690	350122	28	10746802	847	39	12690	87566	7
30	Jaspur	4	11	104	11368	11368	303344	27	8638716	760	10	11368	30576	3
31	Rudrapur	25	11	81	59423	59423	191435	3	957175	16	0	59423	0	0
32	Sitraganj	27	11	72	32353	32353	99751	3	1094942	34	44	200993	69502	2
33	Almora	11	11	693	6458	6458	423376	66	8326200	1289	9	6458	5362	1
34	Bageshwar	1	11	74	4167	4167	308358	74	6033816	1448	6	4167	25002	6
35	Ranikhet	6	11	140	3206	2591	108839	34	1848093	576	54	2591	25973	8
36	Pithoragarh	10	11	444	31825	8622	519424	16	17770276	558	38	7348	37948	1
37	Dharchula	6	11	280	7944	3757	170171	21	9858576	1241	66	3757	38906	5
38	Champawat	6	11	58	12997	12997	125242	10	32102780	2470	57	12997	99932	8
	UPCL	409	11	8808	724328	604193	13858690	19	335485774	463	2674	774519	4278218	6

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

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	21	11	725	32745	33003	1292004	39	24002340	733	507	33003	1647320	50
2	Mohanpur	32	11	652	158582	78123	1726604	11	33868994	214	413	78123	972331	6
3	Vikasnagar	30	11	780	52408	40354	1304593	25	32361148	617	32	40354	132814	3
4	Rishikesh	12	11	374	12187	11348	361731	30	2009114	165	46	11348	43959	4
5	Uttarkashi	23	11	467	35952	29711	659390	18	2901206	81	10	29711	8063	0.2
6	Doiwala	16	11	460	843	843	34043	40	42548	50	242	843	14656	17
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	28	11	730	16453	8227	265917	16	9707370	590	148	8227	46712	3
11	Pauri	31	11	798	53765	16977	587377	11	14715475	274	182	14577	193657	4
12	Tehri	61	11	1785	104127	103332	4589104	44	148928504	1430	206	104116	328826	3
13	Gopeshwar	15	11	699	6348	6348	473535	75	27367745	4311	205	6348	127319	20
14	Narayanbagar	22	11	783	24581	25884	985912	40	37036924	1507	180	25884	229288	9
15	Kotdwar	49	11	1451	96598	29368	859084	9	34124666	353	578	29383	509372	5
16	Rudraprayag	17	11	127	5245	1185	8534	2	343031	65	138	1192	9278	2
17	Roorkee(Urban)	11	11	721	16050	16050	1131165	70	51164900	3188	352	16050	571380	36
18	Roorkee(Rural)	31	11	1826	103581	89460	5081940	49	189602810	1830	477	89460	1403636	14
19	Ramnagar (Roorkee)	6	11	453	21883	21883	1592339	73	17114102	782	51	21883	264143	12
20	Bhagwanpur	42	11	2145	126366	126480	4901390	39	171490723	1357	771	126480	1951372	15
21	Haridwar(Urban)	5	11	120	310	210	10140	33	315794	1019	118	210	10021	32
22	Haridwar(Rural)	63	11	501	95475	86794	1036785	11	25652874	269	465	86794	721522	8
23	Laksar	20	11	1085	42455	42455	2962425	70	2083987	49	141	42455	307850	7
24	Haldwani (Urban)	3	11	126	5878	1412	59776	10	871650	148	20	1334	8680	1
25	Haldwani (Rural)	33	11	1211	187800	89308	1789761	10	23925600	127	166	89308	372918	2
26	Nainital	29	11	317	44242	16077	199720	5	9848976	223	164	16077	91700	2
27	Ramnagar	15	11	613	22585	22304	1401434	62	27376522	1212	168	22585	387822	17
28	Kashipur	34	11	672	102304	102304	1749773	17	82591194	807	247	102304	565521	6
29	Bazpur	18	11	381	39863	39863	1057781	27	31799778	798	69	39863	182747	5
30	Jaspur	27	11	626	41637	41637	1103531	27	50684917	1217	160	41637	319338	8
31	Rudrapur	104	11	342	257122	257122	855117	3	4290585	17	10	257122	36088	0.1
32	Sitraganj	34	11	130	62882	62882	279453	4	2830096	45	95	62882	200011	3
33	Almora	25	11	1672	14540	14540	1089883	75	23530763	1618	43	14540	28613	2
34	Bageshwar	22	11	1454	39339	39339	2853237	73	84197225	2140	320	39339	584201	15
35	Ranikhet	29	11	1284	9717	7823	472407	49	10453543	1076	200	7823	77019	8
36	Pithoragarh	39	11	1207	53007	13628	602746	11	16616504	313	205	8437	81229	2
37	Dharchula	22	11	1036	24459	9576	544189	22	22264582	910	276	9576	127947	5
38	Champawat	20	11	232	23469	23469	267892	11	51449281	2192	181	23469	197943	8
	UPCL	989	11	27985	1934799	1509317	44190711	23	1267565470	655	7586	1502734	12755297	7