

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of July 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
		KV	KW		Nos.	Min		Nos.					
1	Raipur Dehradun	11	246	9817	9817	360004	37	7279086	741	77	9817	147439	15
2	Mohanpur	11	71	5136	2825	200561	39	11383944	2217	13	2825	36722	7
3	Vikasnagar	11	367	17688	14644	913487	52	22314013	1262	4	14644	15448	1
4	Rishikesh	11	331	49787	49557	1867981	38	58483680	1175	126	49557	613556	12
5	Uttarkashi	11	187	17327	13026	310922	8	614478	301	3	13026	5961	2
6	Doiwala	11	190	4372	4372	321209	73	6243048	1428	100	4372	141343	32
7	Dehradun (North)	11	928	45827	45827	1193335	26	43124582	941	702	41095	1032482	23
8	Dehradun (South)	11	1161	85770	85770	2891573	34	104126151	1214	583	83957	1288594	15
9	Dehradun (Central)	11	728	57014	57014	1397983	25	44688143	784	536	55219	1103791	19
10	Srinagar	11	190	4988	2494	94040	19	2642165	530	19	2494	5312	1
11	Pauri	11	195	16814	4917	141856	8	4064328	242	30	7331	51128	3
12	Tehri	11	135	29942	29942	331501	11	7621328	255	27	29942	72593	2
13	Gopeshwar	11	392	4761	4761	265731	56	10512659	2208	181	4761	121473	26
14	Narayanbagar	11	191	2072	2072	234290	113	14696178	7093	25	2072	42322	20
15	Gairsain	11	139	7901	7901	304412	39	15077167	1908	28	7901	66136	8
16	Kotdwar	11	429	15478	7694	705996	46	10008458	647	74	7694	91900	6
17	Rudraprayag	11	33	4753	243	2507	1	89382	19	26	84	259	0.1
18	Roorkee(Urban)	11	1397	33980	25160	2730312	80	69612190	2049	84	25160	193518	6
19	Roorkee(Rural)	11	452	15600	15600	1891600	121	86161000	5523	128	15600	580000	37
20	Ramnagar (Roorkee)	11	591	25095	25095	1608086	64	19144258	763	101	25095	271005	11
21	Bhagwanpur	11	176	2348	2348	413181	176	6514643	2775	9	2170	19530	8
22	Haridwar(Urban)	11	1049	3482	2598	129475	37	3536309	1016	574	2598	77338	22
23	Haridwar(Rural)	11	103	2534	2303	147898	58	190468	75	82	2303	104353	41
24	Laksar	11	46	5260	5260	122960	23	87780	17	43	5260	115400	22
25	Hadwani (Urban)	11	807	56274	20100	870859	15	16656486	296	292	20100	287421	5
26	Haldwani (Rural)	11	117	7303	4183	192027	26	4214312	577	11	4183	15520	2
27	Nainital	11	553	14004	11904	694350	50	14756690	1054	133	11904	157487	11
28	Ramnagar	11	309	15995	12225	1038255	65	24200180	1513	121	15995	542155	34
29	Kashipur	11	543	30695	30695	1691192	55	42875897	1397	165	30695	473055	15
30	Bazpur	11	315	12731	12731	590928	46	25567335	2008	59	12731	122590	10
31	Jaspur	11	165	11368	11368	465966	41	13705248	1206	18	11368	50366	4
32	Rudrapur	11	71	59423	59423	171509	3	907085	15	0	59423	0	0
33	Sitraganj	11	44	4747	4640	68800	14	418000	88	7	4640	7040	1
34	Almora	11	679	5295	5295	355442	67	7277046	1374	85	5295	41651	8
35	Bageshwar	11	94	4176	4176	392544	94	7019856	1681	4	4176	16704	4
36	Ranikhet	11	102	2057	1734	58441	28	1375737	669	41	1734	21696	11
37	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
38	Pithoragarh	11	424	34441	10178	538386	16	10491723	305	98	8037	105697	3
39	Dharchula	11	576	8377	4258	396579	47	11609310	1386	136	4258	90801	11
40	Champawat	11	48	12534	12534	99730	8	7472185	596	24	12534	49228	4
UPCL		11	14574	747165	626682	26205908	35	736762528	986	4769	622049	8179014	11

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of July 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
		KV	KW	Nos.	Min			Nos.					
1	Raipur Dehradun	11	1238	32745	33003	2283037	70	49107682	1500	287	33003	385294	12
2	Mohanpur	11	825	79239	44709	3284236	41	96601438	1219	576	44709	2407747	30
3	Vikasnagar	11	1062	52413	40363	1745965	33	38204043	729	8	40363	22324	0.4
4	Rishikesh	11	185	9681	9515	151866	16	1529974	158	53	9515	39748	4
5	Uttarkashi	11	466	35952	29711	643058	398	1494019	900	3	29711	2006	3
6	Doiwala	11	475	10500	10500	690027	66	19801419	1886	220	10500	249540	24
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	876	12648	6324	310321	25	11133634	880	253	6324	81271	6
11	Pauri	11	821	53831	16024	565401	11	17453330	324	166	12625	152330	3
12	Tehri	11	2513	102805	102010	6394490	62	194101445	1888	108	102794	147488	1
13	Gopeshwar	11	851	6996	6996	468207	67	22061569	3153	360	6996	201666	29
14	Narayanbagar	11	967	10044	10044	1331436	133	63420912	6314	231	10044	319008	32
15	Gairsain	11	362	16070	16070	548421	34	25397402	1580	104	16070	158798	10
16	Kotdwar	11	2869	93992	34662	2252721	24	59274598	631	636	34659	454174	5
17	Rudraprayag	11	321	11218	2969	41110	4	3378843	301	372	3027	122143	11
18	Roorkee(Urban)	11	1298	23365	11588	1393550	60	83941875	3593	422	11588	448484	19
19	Roorkee(Rural)	11	2948	77131	67058	8346450	108	406587690	5271	760	67058	2349824	30
20	Ramnagar (Roorkee)	11	794	22540	22540	2611538	116	35524604	1576	51	22540	280694	12
21	Bhagwanpur	11	2387	58415	58415	6055886	104	108270086	1853	544	55151	1290570	22
22	Haridwar(Urban)	11	124	192	166	13478	70	469213	2444	176	166	21640	113
23	Haridwar(Rural)	11	141	2019	1835	131433	65	56879	28	114	1835	76204	38
24	Laksar	11	1367	89365	89365	8904745	100	6708963	75	200	89365	1412555	16
25	Haldwani (Urban)	11	167	6445	1581	92683	14	3179712	493	58	1386	27980	4
26	Haldwani (Rural)	11	2212	188077	108118	4265204	23	90173506	479	360	108118	1100598	6
27	Nainital	11	1529	11384	9676	694754	61	22119411	1943	679	9676	366964	32
28	Ramnagar	11	941	23035	22754	1517870	66	66685256	2895	327	23035	614671	27
29	Kashipur	11	1099	34142	34142	2370349	69	119037674	3487	305	34142	662169	19
30	Bazpur	11	937	35847	35847	2571470	72	122803314	3426	83	35847	244105	7
31	Jaspur	11	709	35034	35034	1317855	38	51263087	1463	157	35034	314215	9
32	Rudrapur	11	108	100462	100462	282051	3	1410255	14	10	100462	36088	0
33	Sitraganj	11	243	30864	30864	453792	15	2541472	82	50	30864	91504	3
34	Almora	11	1317	7688	7688	520141	68	15598379	2029	178	7688	46531	6
35	Bageshwar	11	2142	38878	38878	4133969	106	93986268	2417	364	38878	680431	18
36	Ranikhet	11	1324	9068	7384	436582	48	10048784	1108	288	7384	110067	12
37	Bhikiyasain	11	1773	8566	8566	766053	89	17418444	2033	324	8566	155290	18
38	Pithoragarh	11	1406	55329	19169	757474	14	19969733	361	224	9400	100578	2
39	Dharchula	11	2012	23812	8985	1075905	45	34305202	1441	821	8985	363383	15
40	Champawat	11	144	22568	22568	187751	8	18887226	837	82	22568	103188	5
UPCL		11	40953	1432360	1105583	69611279	49	1933947340	1350	9954	1090076	15641269	11