

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

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	123	9817	9817	221206	23	10202957	1039	113	9817	203245	21
2	Mohanpur	11	61	5124	2818	171910	34	4509120	880	9	2818	25364	5
3	Vikasnagar	11	181	18966	15788	479475	25	12561949	662	5	15788	18019	1
4	Rishikesh	11	187	12834	12834	270544	21	6638999	517	26	4870	32826	3
5	Uttarkashi	11	89	8288	7619	130315	16	201339	24	0	7619	0	0
6	Doiwala	11	88	2816	2816	96504	34	3160028	1122	27	2816	38176	14
7	Dehradun (North)	11	398	46177	46177	482550	10	14185574	307	278	44284	405896	9
8	Dehradun (South)	11	1006	91148	91148	2402498	26	32654498	358	260	91148	612850	7
9	Dehradun (Central)	11	216	28960	28960	522149	18	17484021	604	110	28960	274830	9
10	Srinagar	11	207	3757	1879	92663	25	2525000	672	5	1879	2219	1
11	Pauri	11	191	16814	4917	142270	8	2042269	121	16	7331	29366	2
12	Tehri	11	352	29942	29942	805467	27	19174862	640	38	29942	69724	2
13	Gopeshwar	11	196	4810	4810	161570	34	34326668	7137	30	4810	144290	30
14	Narayanbagar	11	65	2072	2072	70910	34	2407868	1162	35	2072	34118	16
15	Gairsain	11	207	7901	7901	533090	67	12716067	1609	26	7901	64808	8
16	Kotdwar	11	340	14442	5255	400954	28	4803252	333	40	5255	36245	3
17	Rudraprayag	11	80	2529	2430	60808	24	734920	291	11	2430	10890	4
18	Roorkee(Urban)	11	672	32935	22655	1215770	37	44793810	1360	68	22655	108670	3
19	Roorkee(Rural)	11	365	15600	15600	1481300	95	62725500	4021	111	15600	448700	29
20	Ramnagar (Roorkee)	11	453	34700	34700	1334765	38	46413270	1338	113	34700	297011	9
21	Bhagwanpur	11	101	2915	2915	294411	101	8715718	2990	79	2915	230282	79
22	Haridwar(Urban)	11	531	2163	1544	36358	17	1106312	511	350	1544	24495	11
23	Haridwar(Rural)	11	28	450	409	6146	14	82204	183	31	409	5762	13
24	Jwalapur	11	706	49551	49551	2649448	53	44690467	902	0	28829	0	0
25	Laksar	11	126	12850	12850	897610	70	23061300	1795	8	12850	56580	4
26	Hadwani (Urban)	11	511	95437	13752	542234	6	9896528	104	84	95437	415895	4
27	Haldwani (Rural)	11	68	2862	1717	32631	11	678536	237	8	1717	10668	4
28	Nainital	11	214	24945	19298	426186	17	13388126	537	84	19298	170805	7
29	Ramnagar	11	176	16948	11975	488205	29	6095730	360	66	16605	278710	16
30	Kashipur	11	460	39753	39753	970833	24	26301286	662	157	39753	324913	8
31	Bazpur	11	241	13675	12939	495311	36	19320423	1413	60	12939	139273	10
32	Jaspur	11	89	11368	11368	258910	23	6008100	529	19	11368	52054	5
33	Rudrapur	11	46	59423	59423	106866	2	534330	9	0	59423	0	0
34	Sitraganj	11	22	6347	6240	39360	6	211200	33	3	6240	6160	1
35	Khatima	11	158	11702	3410	202565	17	7822100	668	4	3410	5170	0.4
36	Almora	11	496	6559	6559	306816	47	4544471	693	60	6559	37490	6
37	Bageshwar	11	71	4176	4176	296496	71	4459968	1068	5	4176	20880	5
38	Ranikhet	11	149	2785	1312	53426	19	821021	295	25	1312	7675	3
39	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
40	Pithoragarh	11	592	33962	11051	761724	22	18761639	552	28	6274	31481	1
41	Dharchula	11	224	8013	4166	141411	18	5871701	733	131	4166	79099	10
42	Champawat	11	39	12766	12766	75523	6	10876482	852	25	12766	58830	5
	UPCL	11	10525	808281	637311	20159186	25	547509614	677	2548	690684	4813468	6

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

Sl 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	682	32745	32403	1399155	43	28545739	872	542	32403	1083507	33
2	Mohanpur	11	558	39122	25194	1423318	36	37374309	955	382	25194	670147	17
3	Vikasnagar	11	850	52443	40373	1288056	25	40447132	771	7	40373	18277	0.3
4	Rishikesh	11	269	18597	18597	379315	20	15793495	849	0	0	0	0
5	Uttarkashi	11	161	16784	15239	179840	11	318214	19	0	15239	0	0
6	Doiwala	11	339	12390	12390	454338	37	15337618	1238	137	12390	146674	12
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	811	12081	6040	275601	23	9076809	751	98	6040	28639	2
11	Pauri	11	891	56599	17071	588865	10	12059598	213	117	14687	91461	2
12	Tehri	11	1506	101435	100640	3129040	31	63842038	629	137	101424	244896	2
13	Gopeshwar	11	964	6721	6721	542263	81	18069683	2689	233	6721	126768	19
14	Narayanbagar	11	251	10044	10044	369000	37	12719009	1266	105	10044	147726	15
15	Gairsain	11	478	16070	16070	679084	42	23660765	1472	68	16070	95414	6
16	Kotdwar	11	2226	98008	68169	1811871	18	82102720	838	587	68169	370050	4
17	Rudraprayag	11	611	12930	12930	504550	39	13294360	1028	400	12930	315900	24
18	Roorkee(Urban)	11	1103	24806	12622	1140514	46	61965900	2498	308	12622	323834	13
19	Roorkee(Rural)	11	2532	79631	68468	7384622	93	292975090	3679	562	68468	1728186	22
20	Ramnagar (Roorkee)	11	532	24836	24836	1927894	78	44634905	1797	201	24836	741688	30
21	Bhagwanpur	11	1745	38263	38263	2696744	70	132921411	3474	552	38263	1000889	26
22	Haridwar(Urban)	11	74	130	94	3914	30	149095	1147	68	94	4907	38
23	Haridwar(Rural)	11	11	1221	1110	6134	5	115842	95	15	1110	8238	7
24	Jwalapur	11	100	4191	4191	97185	23	61141	15	0	4191	0	0
25	Laksar	11	983	67364	67364	4584880	68	183739710	2728	129	67364	466442	7
26	Haldwani (Urban)	11	106	9100	1373	45059	5	935196	103	35	9100	105050	12
27	Haldwani (Rural)	11	1735	206289	95173	3039209	15	66152058	321	293	95173	1296784	6
28	Nainital	11	367	44314	16805	233816	5	12958865	292	326	16805	191463	4
29	Ramnagar	11	962	25162	19006	1424018	57	30211056	1201	292	29470	541032	22
30	Kashipur	11	763	38042	35685	1509871	40	85269931	2241	278	35685	496419	13
31	Bazpur	11	737	31082	30741	2082140	67	156229431	5026	99	30741	279897	9
32	Jasipur	11	839	33024	33024	1720735	52	111855629	3387	283	33024	602297	18
33	Rudrapur	11	77	100462	100462	199056	2	995280	10	10	100462	36088	0.4
34	Sitraganj	11	112	32656	32656	232752	7	1468480	45	9	32656	19776	1
35	Khatima	11	899	44149	13743	1090137	25	69125785	1566	9	13743	7779	0.2
36	Almora	11	2384	7863	7863	726138	92	16352249	2080	244	7960	92840	12
37	Bageshwar	11	1797	39158	39158	3476934	89	68213615	1742	266	39158	545214	14
38	Ranikhet	11	1698	9602	4456	328213	34	6941862	723	231	4456	45094	5
39	Bhikiyasain	11	1760	7704	7704	524392	68	20691127	2686	351	7704	134794	17
40	Pithoragarh	11	2463	54183	22316	1447752	27	45303840	836	106	12720	43663	1
41	Dharchula	11	617	25405	9548	317892	13	18825972	741	489	9548	215081	8
42	Champawat	11	136	22639	22639	174098	8	12274678	542	93	22639	127949	6
	UPCL	11	35129	1457245	1091181	49438395	34	1813009636	1244	8062	1079676	12394864	9