

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of Nov. 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			
						$\Sigma Ai \times Ni$ for Division	SAIFI	$\Sigma Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\Sigma Ci \times Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	110	9817	9817	165925	17	6046949	616	30	9817	66294	7
2	Mohanpur	11	28	5124	2818	78910	15	2006558	392	4	2818	11273	2
3	Vikasnagar	11	175	19082	15893	411895	22	10935585	573	4	15893	15520	1
4	Rishikesh	11	166	10033	10166	171829	17	3780529	377	15	2112	15537	2
5	Uttarkashi	11	218	8288	7619	329820	40	7786119	939	48	7619	66622	8
6	Barkot	11	18	2370	850	15300	6	289000	122	11	850	9350	4
7	Doiwala	11	26	3399	3399	32374	10	938900	276	33	3399	43950	13
8	Dehradun (North)	11	308	42259	42259	385402	9	17114895	405	178	40172	216366	5
9	Dehradun (South)	11	544	91148	91148	1305722	14	16572875	182	264	91148	620743	7
10	Dehradun (Central)	11	129	14472	14472	155574	11	4356072	301	98	13972	122288	8
11	Srinagar	11	103	12639	6319	160621	13	2973553	235	14	6319	13298	1
12	Pauri	11	103	16913	4939	81664	5	1156541	68	18	7331	38311	2
13	Tehri	11	344	29942	29942	901116	30	14129438	472	189	29942	466645	16
14	Gopeshwar	11	490	13603	13603	547299	40	28192548	2073	38	13603	147221	11
15	Narayanbagar	11	96	2072	2072	150864	73	3864504	1865	13	2072	21322	10
16	Gairsain	11	157	7901	7901	382007	48	10254173	1298	21	7901	46913	6
17	Kotdwar	11	142	14442	14442	393928	27	9285169	643	92	14442	278095	19
18	Rudraprayag	11	64	2529	2430	40032	16	566830	224	14	2430	13419	5
19	Roorkee(Urban)	11	426	31725	21995	700860	22	19713000	621	107	21995	163595	5
20	Roorkee(Rural)	11	385	18335	18335	1137460	62	44455410	2425	54	18335	204545	11
21	Ramnagar (Roorkee)	11	442	33413	33413	1128556	34	51487329	1541	73	33413	190909	6
22	Bhagwanpur	11	41	53036	53036	2174476	41	70856103	1336	9	53036	477324	9
23	Haridwar(Urban)	11	513	1953	1485	30585	16	1130704	579	532	1485	33136	17
24	Haridwar(Rural)	11	26	501	456	5904	12	250806	501	18	456	4068	8
25	Jwalapur	11	584	51443	51443	2660536	52	44654088	868	18	30721	52939	10
26	Laksar	11	75	2850	2850	83490	29	1578888	554	16	2850	23220	8
27	Hadwani (Urban)	11	508	95437	10643	289986	3	3997117	42	116	95437	590189	6
28	Haldwani (Rural)	11	36	3557	1716	17727	5	193485	54	1	1716	762	0
29	Nainital	11	214	28654	19364	393574	14	11756653	410	59	19364	101987	4
30	Ramnagar	11	159	16959	7775	299345	18	5242680	309	50	16605	203015	12
31	Kashipur	11	344	39753	39753	1241905	31	55051230	1385	149	39753	510498	13
32	Bazpur	11	230	13981	13981	492429	35	13506194	966	52	13981	125679	9
33	Jaspur	11	49	11368	11368	133898	12	6368990	560	33	11368	92944	8
34	Rudrapur	11	60	59423	59423	142149	2	869009	15	22	59423	48019	1
35	Sitraganj	11	68	9856	9856	140240	14	10360160	1051	18	9856	42000	4
36	Khatima	11	95	11702	2970	91630	8	1950300	167	2	2970	2200	0.2
37	Almora	11	435	8145	8145	344907	42	4520785	555	56	8145	43122	5
38	Bageshwar	11	45	4176	4176	187920	45	3770928	903	8	4176	33408	8
39	Ranikhet	11	106	3368	1165	39750	12	629564	187	30	1165	8997	3
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	367	34569	11246	510757	15	9460061	274	44	7573	51633	1
42	Dharchula	11	209	8428	4360	134150	16	5770491	685	118	4360	72833	9
43	Champawat	11	324	12766	3830	216568	17	2675411	210	71	3830	48921	4
	UPCL	11	8962	861430	672873	18309084	21	510499624	593	2740	733853	5339110	6

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of Nov. 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			
						$\Sigma Ai \times Ni$ for Division	SAIFI	$\Sigma Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\Sigma Ci \times Ni$ for Division	MAIFI
		KV	KW		Nos.	Min		Nos.					
1	Raipur Dehradun	11	389	32745	32403	795082	24	17973020	549	156	32403	307125	9
2	Mohanpur	11	729	39472	25394	1349922	34	32026428	811	259	25394	356359	9
3	Vikasnagar	11	577	52478	40448	1026969	20	26771965	510	13	40448	34717	1
4	Rishikesh	11	290	21446	21446	414226	19	11812258	551	0	0	0	0
5	Uttarkashi	11	594	16784	15239	667975	40	4579416	273	85	15239	80487	5
6	Barkot	11	431	18301	15124	662293	36	9533514	521	134	15124	163369	9
7	Doiwala	11	155	13411	13411	226550	17	9672365	721	196	13411	265706	20
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	559	39404	19702	676079	17	16123236	409	178	19702	219907	6
12	Pauri	11	723	61225	20937	608305	10	20256299	331	189	14936	129843	2
13	Tehri	11	1994	102550	102550	4441163	43	124964468	1219	321	102550	736217	7
14	Gopeshwar	11	517	7968	7968	308224	39	18785337	2358	126	7968	75173	9
15	Narayanbagar	11	508	10044	10044	586494	58	19829995	1974	99	10044	108772	11
16	Gairsain	11	423	16070	16070	652456	41	23211234	1444	62	16070	93563	6
17	Kotdwar	11	1814	97860	97860	3271472	33	124338340	1271	741	97860	1615999	17
18	Rudraprayag	11	490	12930	12930	391910	30	14070160	1088	180	12930	171891	13
19	Roorkee(Urban)	11	808	21396	9370	621195	29	19692850	920	357	9370	278565	30
20	Roorkee(Rural)	11	2053	81704	81704	7336065	90	216536990	2650	424	81704	1496688	18
21	Ramnagar (Roorkee)	11	404	24119	24119	1160832	48	21896445	908	150	24119	535046	22
22	Bhagwanpur	11	1190	914891	914891	52499329	57	1700573687	1859	415	914891	20492384	22
23	Haridwar(Urban)	11	82	104	81	3405	33	92382	888	100	44	2084	20
24	Haridwar(Rural)	11	18	863	784	7208	8	267408	310	9	784	3604	4
25	Jwalapur	11	59	4774	4774	101376	21	1337842	280	5	4774	4092	5
26	Laksar	11	1010	42724	42724	2574216	60	127418109	2982	80	42724	171856	4
27	Haldwani (Urban)	11	156	9100	1237	65522	7	585181	64	22	9100	44277	5
28	Haldwani (Rural)	11	1332	212771	107401	2337675	11	36501092	172	397	107401	837568	4
29	Nainital	11	456	44692	17551	298141	7	4012965	90	128	17551	82428	2
30	Ramnagar	11	656	24490	14557	642211	26	12376597	505	206	24490	328848	13
31	Kashipur	11	692	38042	35685	1437626	38	60269040	1584	307	35685	678194	18
32	Bazpur	11	1138	34693	34693	1900733	55	54420865	1569	148	34693	338691	10
33	Jasipur	11	575	33024	33024	1276863	39	57522020	1742	241	33024	603590	18
34	Rudrapur	11	121	100462	100462	304175	3	1687549	17	32	100462	91026	1
35	Sitraganj	11	241	41344	41344	521552	13	47678224	1153	55	41344	135680	3
36	Khatima	11	483	44149	10899	406621	9	9556741	216	7	10899	6328	0.1
37	Almora	11	1493	12472	12472	698419	56	13486553	1081	197	11058	82549	7
38	Bageshwar	11	922	39336	39336	1847644	47	50492035	1284	196	39336	405553	10
39	Ranikhet	11	1184	10672	4148	222899	21	4386846	411	225	4148	43803	4
40	Bhikyasain	11	1227	7429	7429	356592	48	20407463	2747	209	7429	52003	7
41	Pithoragarh	11	1303	54760	21610	766445	14	16804307	307	117	11301	60958	1
42	Dharchula	11	584	27023	10260	298381	11	15671555	580	407	10260	183468	7
43	Champawat	11	1198	22639	6792	478455	21	7887944	348	226	6792	85835	4
	UPCL	11	29578	2390361	2028873	94242701	39	2975510724	1245	7399	2007462	31404247	13