

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of Oct. 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	127	9817	9817	216559	22	6558192	668	39	9817	63301	6
2	Mohanpur	11	36	5124	2818	101455	20	2699836	527	9	2818	25364	5
3	Vikasnagar	11	190	19082	15893	391890	21	11198830	587	6	15893	23280	1
4	Rishikesh	11	237	11026	11026	285163	26	6067118	550	51	4647	54155	5
5	Uttarkashi	11	102	8288	7619	157354	19	1608115	194	0	7619	0	0
6	Barkot	11	32	2370	850	27200	11	401200	169	17	850	14450	6
7	Doiwala	11	74	3399	3399	110815	33	2555152	752	23	3399	28975	9
8	Dehradun (North)	11	317	42259	42259	347792	8	12978584	307	197	40172	263274	6
9	Dehradun (South)	11	760	91148	91148	1777659	20	36786202	404	494	91148	1149822	13
10	Dehradun (Central)	11	115	14472	14472	142549	10	3848828	266	87	13972	133577	9
11	Srinagar	11	112	12639	6319	177649	14	5182651	410	10	6319	15291	1
12	Pauri	11	177	16913	4939	126259	7	3802797	225	23	7331	37806	2
13	Tehri	11	294	29942	29942	734495	25	17808165	595	202	29942	543725	18
14	Gopeshwar	11	138	5134	5134	96177	19	4263544	831	58	5134	40809	8
15	Narayanbagar	11	35	2072	2072	32690	16	4121460	1989	9	2072	12894	6
16	Gairsain	11	186	7901	7901	477106	60	6816874	863	23	7901	57623	7
17	Kotdwar	11	101	14442	5175	71464	5	3775963	261	126	5175	116881	8
18	Rudraprayag	11	75	2529	2430	53480	21	1292359	511	23	2430	16785	7
19	Roorkee(Urban)	11	412	32770	22545	721740	22	21933175	669	54	22545	104225	3
20	Roorkee(Rural)	11	388	18335	18335	1314065	72	53785125	2933	104	18335	487735	27
21	Ramnagar (Roorkee)	11	486	33413	33413	1262208	38	55396650	1658	73	33413	190909	6
22	Bhagwanpur	11	68	65425	65425	4448871	68	82238682	1257	9	65425	588821	9
23	Haridwar(Urban)	11	624	1974	1444	31191	16	1359531	689	559	1444	29563	15
24	Haridwar(Rural)	11	22	501	456	5028	10	310836	620	21	456	4758	9
25	Jwalapur	11	608	51443	51443	2808167	55	48851199	950	20	30721	58855	11
26	Laksar	11	131	34457	34457	1938003	56	55858944	1621	14	34457	207396	6
27	Hadwani (Urban)	11	380	95437	13648	431724	5	7905879	83	101	95437	487158	5
28	Haldwani (Rural)	11	39	4854	1955	18300	4	246885	51	7	1955	4954	1
29	Nainital	11	237	28644	19024	383386	13	14426436	504	46	19024	74527	3
30	Ramnagar	11	192	16959	7775	339140	20	5300675	313	34	16605	135940	8
31	Kashipur	11	271	39753	39753	926404	23	47699826	1200	110	39753	380754	10
32	Bazpur	11	209	13958	13958	458076	33	14953996	1071	60	13958	128392	9
33	Jaspur	11	70	11368	11368	208176	18	12986040	1142	24	11368	70574	6
34	Rudrapur	11	58	59423	59423	138148	2	690740	12	22	59423	48019	1
35	Sitraganj	11	77	9856	9856	165440	17	11762960	1193	18	9856	42000	4
36	Khatima	11	111	11702	2970	105270	9	2080650	178	2	2970	2200	0.2
37	Almora	11	413	6980	6980	286677	41	9207300	1319	64	6980	34761	5
38	Bageshwar	11	49	4176	4176	204624	49	5650128	1353	2	4176	8352	2
39	Ranikhet	11	135	2980	971	36265	12	543415	182	29	971	6619	2
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	394	34526	11236	518608	15	13865425	402	53	8538	61176	2
42	Dharchula	11	209	8428	4360	134150	16	5770491	685	118	4360	72833	9
43	Champawat	11	373	12766	3830	250312	20	3003739	235	75	3830	50870	4
	UPCL	11	9064	898683	702014	22461728	25	607594597	676	3016	762638	5879403	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of Oct. 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			
						$\sum Ai \times Ni$ for Division	SAIFI	$\sum Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum Ci \times Ni$ for Division	MAIFI
		KV	KW		Nos.	Min			Nos.				
1	Raipur Dehradun	11	462	32745	32403	897428	27	18070229	552	208	32403	387893	12
2	Mohanpur	11	837	39472	25394	1614141	41	35227087	892	319	25394	510053	13
3	Vikasnagar	11	611	52478	40448	1013883	19	26813677	511	8	40448	21172	0
4	Rishikesh	11	286	19982	19982	403455	20	13032839	652	0	0	0	0
5	Uttarkashi	11	161	16784	15239	179840	11	2776631	165	0	15239	0	0
6	Barkot	11	451	18301	15124	717800	39	10700524	585	151	15124	184672	10
7	Doiwala	11	407	13411	13411	539466	40	26183065	1952	122	13411	122095	9
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	700	39404	19702	757111	19	22596463	573	140	19702	101914	3
12	Pauri	11	986	61225	20937	865333	14	24361568	398	216	14936	108194	2
13	Tehri	11	1870	102550	102550	4448500	43	162452630	1584	372	102550	866858	8
14	Gopeshwar	11	381	8356	8356	244824	29	9628958	1152	95	8356	65279	8
15	Narayanbagar	11	278	10044	10044	292098	29	19587198	1950	77	10044	85356	8
16	Gairsain	11	400	16070	16070	606136	38	15644998	974	72	16070	135047	8
17	Kotdwar	11	1952	97860	26780	822659	8	34627360	354	693	26780	430248	4
18	Rudraprayag	11	607	12930	12930	499570	39	12431380	961	135	12930	119480	9
19	Roorkee(Urban)	11	716	20516	10246	576586	28	26157020	1275	240	10246	199763	10
20	Roorkee(Rural)	11	2214	81704	81704	7907993	97	243172494	2976	630	81704	2193618	27
21	Ramnagar (Roorkee)	11	404	24119	24119	1160832	48	21896445	908	150	24119	535046	22
22	Bhagwanpur	11	1347	970114	970114	66510438	69	1092981295	1127	394	970114	18630229	19
23	Haridwar(Urban)	11	71	76	64	2163	29	155510	2057	24	64	743	10
24	Haridwar(Rural)	11	13	863	784	5476	6	327068	379	16	784	6272	7
25	Jwalapur	11	58	4774	4774	98912	21	1094038	229	7	4774	6050	7
26	Laksar	11	1047	102229	102229	7160195	70	179743026	1758	101	102229	623208	6
27	Haldwani (Urban)	11	124	9100	1334	52094	6	1137338	125	29	9100	89767	10
28	Haldwani (Rural)	11	1292	210197	99243	2330605	11	37033503	176	410	99243	784443	4
29	Nainital	11	483	44677	17179	303134	7	5851223	131	242	17179	158299	4
30	Ramnagar	11	689	24490	14557	668177	27	12936497	528	195	24490	244752	10
31	Kashipur	11	683	38042	35685	1403847	37	66327728	1744	344	35685	692978	18
32	Bazpur	11	947	34629	34629	1743524	50	56602028	1635	189	34629	412954	12
33	Jaspur	11	607	33024	33024	1305617	40	58188721	1762	206	33024	468757	14
34	Rudrapur	11	114	100462	100462	297325	3	1486625	15	32	100462	91026	1
35	Sitraganj	11	241	41344	41344	521552	13	48294384	1168	55	41344	135680	3
36	Khatima	11	516	44149	10899	436581	10	9556741	216	7	10899	6328	0.1
37	Almora	11	1642	13164	13164	864286	66	22322624	1696	299	13164	165366	13
38	Bageshwar	11	1490	39315	39315	2982082	76	98013394	2493	294	39315	598001	15
39	Ranikhet	11	1198	11548	4436	240133	21	4300295	372	182	4436	38209	3
40	Bhikiyasain	11	1473	7429	7429	412663	56	25180074	3389	260	7429	60177	8
41	Pithoragarh	11	1391	54715	21599	823223	15	21518788	393	90	6501	40912	1
42	Dharchula	11	584	27023	10260	298381	11	15671555	580	407	10260	183468	7
43	Champawat	11	1324	22639	6792	525997	23	8313910	367	244	6792	92626	4
	UPCL	11	31057	2501954	2064755	112534058	45	2492396931	996	7655	2041373	29596934	12