

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of May 2020

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	109	9817	9817	178719	18	10508617	1070	93	9817	174128	18
2	Mohanpur	11	32	5124	2818	90182	18	2781563	543	12	2818	33818	7
3	Vikasnagar	11	140	18966	15788	295946	16	14803047	781	12	15788	23427	1
4	Rishikesh	11	191	14588	14588	248894	17	9185131	630	29	6396	28294	2
5	Uttarkashi	11	56	8288	7619	76081	9	1536258	185	16	7619	22303	3
6	Barkot	11	32	2370	1140	36480	15	519840	219	7	1140	7980	3
7	Doiwala	11	48	2816	2816	54680	19	2699924	959	22	2816	16908	6
8	Dehradun (North)	11	195	42259	42259	407799	10	33173315	785	95	40172	227776	5
9	Dehradun (South)	11	754	91148	91148	1854721	20	46893419	514	302	91148	712355	8
10	Dehradun (Central)	11	278	14472	14472	149785	10	8654256	598	111	13972	90493	6
11	Srinagar	11	137	4340	2170	297293	69	5001903	1153	5	2170	10850	3
12	Pauri	11	112	16814	4917	53227	3	3440040	205	15	7331	31683	2
13	Tehri	11	180	29942	29942	405733	14	12782373	427	47	29942	87627	3
14	Gopeshwar	11	137	4227	4227	93327	22	2988138	707	24	4227	17425	4
15	Narayanbagar	11	45	2072	2072	53046	26	1819034	878	15	2072	14826	7
16	Gairsain	11	102	7901	7901	223550	28	4316998	546	22	7901	50043	6
17	Kotdwar	11	224	14442	5255	241957	17	5492170	380	45	5255	57556	4
18	Rudraprayag	11	54	2529	2430	34706	14	802595	317	11	2430	6770	3
19	Roorkee(Urban)	11	554	33430	22655	1068915	32	54245105	1623	60	22655	87175	3
20	Roorkee(Rural)	11	135	15600	15600	566300	36	18297900	1173	49	15600	184900	12
21	Ramnagar (Roorkee)	11	283	34700	34700	845068	24	28364119	817	53	34700	139404	4
22	Bhagwanpur	11	78	2267	2267	176841	78	2323868	1025	9	2267	20405	9
23	Haridwar(Urban)	11	581	2967	2256	55800	19	2312975	780	230	2256	16947	6
24	Haridwar(Rural)	11	17	565	514	4322	8	130088	230	13	514	3576	6
25	Jwalapur	11	438	50981	50981	1697055	33	20928794	411	0	30259	0	0
26	Laksar	11	37	22360	22360	401240	18	18969520	848	5	22360	57280	3
27	Hadwani (Urban)	11	565	95437	16965	651175	7	14530285	152	95	95437	457997	5
28	Hadwani (Rural)	11	33	3862	2111	22312	6	987422	256	5	2111	5613	1
29	Nainital	11	163	24952	19444	306428	12	11111327	445	57	19444	131301	5
30	Ramnagar	11	108	16948	11975	282355	17	6888125	406	38	16605	144925	9
31	Kashipur	11	194	39753	39753	757164	19	28945015	728	60	39753	226117	6
32	Bazpur	11	351	13732	13732	778755	57	18913264	1377	35	13732	73826	5
33	Jasur	11	65	11368	11368	188390	17	7703532	678	17	11368	48678	4
34	Rudrapur	11	69	59423	59423	168414	3	6882348	116	0	59423	0	0
35	Sitraganj	11	67	11360	11360	153280	13	7228320	636	0	11360	0	0
36	Khatima	11	37	11702	3410	41690	4	1709620	146	11	3410	16390	1.4
37	Almora	11	499	5376	5376	254278	47	4439544	826	70	5376	36333	7
38	Bageshwar	11	42	4176	4176	175392	42	4079952	977	5	4176	20880	5
39	Ranikhet	11	169	2414	1133	44906	19	860463	356	44	1133	11023	5
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	429	34038	11082	495548	15	17425291	512	60	8545	56446	2
42	Dharchula	11	195	8013	4186	126550	16	5099318	636	116	4186	71111	9
43	Champawat	11	44	12766	12766	96510	8	10251846	803	42	12766	99497	8
	<b>UPCL</b>	<b>11</b>	<b>7979</b>	<b>810305</b>	<b>640972</b>	<b>14154815</b>	<b>17</b>	<b>460026660</b>	<b>568</b>	<b>1957</b>	<b>692450</b>	<b>3524086</b>	<b>4</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of May 2020

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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	328	32745	32403	660577	20	33707090	1029	371	32403	767225	23
2	Mohanpur	11	863	39122	25194	1722323	44	34313963	877	269	25194	465904	12
3	Vikasnagar	11	493	52443	40373	629877	12	37475716	715	56	40373	129797	2
4	Rishikesh	11	208	19172	19172	272898	14	12263544	640	0	0	0	0
5	Uttarkashi	11	151	16784	15239	164549	10	5487987	327	27	15239	33946	2
6	Barkot	11	485	18301	15124	733242	40	11011470	602	149	15124	172233	9
7	Doiwala	11	303	12390	12390	419538	34	9950684	803	79	12390	108848	9
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	371	12275	6138	2277050	186	28165455	2295	31	6138	190266	16
12	Pauri	11	696	56599	17071	537268	9	15281081	270	166	14687	93060	2
13	Tehri	11	1278	101435	100640	2389086	24	55356120	546	137	101424	244896	2
14	Gopeshwar	11	272	8162	8162	155173	19	10037878	1230	107	8162	64469	8
15	Narayanbagar	11	118	10044	10044	148426	15	7992686	796	69	10044	79256	8
16	Gairsain	11	361	16070	16070	487185	30	12475236	776	43	16070	49912	3
17	Kotdwar	11	1982	98008	27630	1111303	11	48852780	498	623	27630	326176	3
18	Rudraprayag	11	457	12930	12930	337830	26	14455410	1118	146	12930	117600	9
19	Roorkee(Urban)	11	939	27420	12622	899837	33	26922991	982	209	12622	194954	7
20	Roorkee(Rural)	11	1625	79631	68468	4685514	59	213127220	2676	371	68468	1055422	13
21	Ramnagar (Roorkee)	11	238	24836	24836	851358	34	24160166	973	74	24836	243258	10
22	Bhagwanpur	11	1469	39724	39724	2631088	66	72056255	1814	376	39724	607185	15
23	Haridwar(Urban)	11	83	102	88	1570	15	93450	916	36	88	1015	10
24	Haridwar(Rural)	11	15	1582	1438	10627	7	660739	418	19	1438	14451	9
25	Jwalapur	11	65	4664	4664	80806	17	1097228	235	0	4664	0	0
26	Laksar	11	414	109895	109895	3118895	28	89465910	814	41	109895	277575	3
27	Haldwani (Urban)	11	158	9100	1581	82772	9	1610766	177	28	9100	86958	10
28	Haldwani (Rural)	11	1129	206171	115734	1030714	5	92369913	448	187	115734	1153954	6
29	Nainital	11	659	44322	16919	400783	9	16723266	377	238	16983	144690	3
30	Ramnagar	11	425	25162	19006	566507	23	14792987	588	163	29470	226310	9
31	Kashipur	11	274	38042	35685	668482	18	34730617	913	160	35685	383392	10
32	Bazpur	11	711	31166	31166	1954580	63	58454844	1876	97	31166	281017	9
33	Jaspur	11	405	33024	33024	839047	25	50833264	1539	145	33024	288085	9
34	Rudrapur	11	217	100462	100462	561225	6	12048629	120	24	100462	83587	0.83
35	Sitraganj	11	591	33536	33536	1541024	46	45002800	1342	0	33536	0	0
36	Khatima	11	1090	44149	15349	1461939	33	55098298	1248	7	15349	7968	0.2
37	Almora	11	2182	8179	8179	652262	80	9413020	1151	197	8292	77875	10
38	Bageshwar	11	1447	39179	39179	2873081	73	49008097	1251	287	39179	604661	15
39	Ranikhet	11	1749	9669	4375	310404	32	7848928	812	349	4375	64350	7
40	Bhikyasain	11	1542	7964	7964	520112	65	8856108	1112	218	7964	69944	9
41	Pithoragarh	11	2866	54259	21129	1934133	36	52568558	969	350	13602	214269	4
42	Dharchula	11	962	25702	9639	460621	18	20583679	801	567	9639	248645	10
43	Champawat	11	229	22639	22639	304491	13	14200288	627	139	22639	160483	7
	<b>UPCL</b>	<b>11</b>	<b>29850</b>	<b>1527060</b>	<b>1135879</b>	<b>40488197</b>	<b>27</b>	<b>1308555120</b>	<b>857</b>	<b>6555</b>	<b>1125742</b>	<b>9333635</b>	<b>6</b>