

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Urban Feeders of UPCL for the month of September 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			
						$\sum A_i \times Ni$ for Division	SAIFI	$\sum B_i \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum C_i \times Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	197	9869	9869	341776	35	6724739	681	114	9869	214367	22
2	Mohanpur	11	46	5300	2915	134090	25	2521475	476	9	2915	26235	5
3	Vikasnagar	11	204	12045	10144	473841	39	6801964	565	16	10144	48601	4
4	Rishikesh	11	263	12600	12600	306534	24	8626220	685	42	4846	43472	3
5	Uttarkashi	11	96	8288	7619	147984	18	978408	118	4	7619	6017	1
6	Barkot	11	59	2370	850	50150	21	440300	186	14	850	11900	5
7	Doiwala	11	57	2995	2995	132378	44	1577170	527	14	2995	25339	8
8	Dehradun (North)	11	291	42259	42259	434423	10	20791428	492	149	40172	302152	7
9	Dehradun (South)	11	1262	91148	91148	2252022	25	46424838	509	346	91148	826532	9
10	Dehradun (Central)	11	556	3878	3878	52130	13	542941	140	352	3878	41665	11
11	Srinagar	11	149	17565	8782	212610	12	3644256	207	6	8782	8248	0
12	Pauri	11	194	16929	11435	391130	23	9319250	550	43	3160	29575	2
13	Tehri	11	183	29942	29942	467328	16	16263580	543	58	29942	134374	4
14	Gopeshwar	11	435	4907	4907	333795	68	9417138	1919	100	4907	74752	15
15	Narayanbagar	11	88	2072	2072	112588	54	3745327	1808	14	2072	18788	9
16	Gairsain	11	194	7901	7901	451424	57	10158301	1286	25	7901	57125	7
17	Kotdwar	11	691	56803	46717	1298652	23	35288804	621	660	46717	1387873	24
18	Rudraprayag	11	93	2723	2723	63068	23	1684956	619	23	2233	13442	5
19	Roorkee(Urban)	11	1022	31450	21775	1824385	58	23078950	734	50	21775	77475	2
20	Roorkee(Rural)	11	711	20835	20835	2344015	113	83058125	3986	162	20835	507235	24
21	Ramnagar (Roorkee)	11	310	21920	21920	713170	33	18173550	829	84	21920	196500	9
22	Bhagwanpur	11	46	83562	83562	3843855	46	230297070	2756	26	83562	2172614	26
23	Haridwar(Urban)	11	720	2085	1546	47528	23	1680353	806	599	1546	36840	18
24	Haridwar(Rural)	11	12	617	561	6732	11	198594	322	20	561	11220	18
25	Jwalapur	11	274	52038	52038	1255553	24	42397248	815	37	31316	88409	2
26	Laksar	11	129	12670	12670	726080	57	14525898	1146	28	12670	166440	13
27	Hadwani (Urban)	11	607	95437	14601	720713	8	10547367	111	127	95437	524317	5
28	Haldwani (Rural)	11	41	4126	2598	27253	7	403095	98	19	2598	17151	4
29	Nainital	11	213	28877	21395	339788	12	9732594	337	80	21395	111152	4
30	Ramnagar	11	218	16959	5675	269760	16	6297085	371	74	14380	206580	12
31	Kashipur	11	420	39753	39753	1709708	43	40020069	1007	197	39753	768932	19
32	Bazpur	11	387	13514	13514	931370	69	20475426	1515	130	13514	310155	23
33	Jaspur	11	63	11368	11368	187030	16	10201460	897	10	11368	29568	3
34	Rudrapur	11	368	57542	57542	1180421	21	54401756	945	64	57542	188168	3
35	Sitraganj	11	71	9297	4649	86915	9	7689578	827	0	4649	0	0
36	Khatima	11	157	11702	4015	223905	19	5584590	477	35	4015	50215	4
37	Almora	11	527	5441	5441	246928	45	4478196	823	68	5441	30251	6
38	Bageshwar	11	80	4176	4176	334080	80	3816864	914	9	4176	37584	9
39	Ranikhet	11	166	2607	2607	126862	49	1805043	692	13	2607	9861	4
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	346	34989	11380	466381	13	7342783	210	41	8779	45138	1
42	Dharchula	11	435	8616	6125	425305	49	20480900	2377	255	6125	249310	29
43	Champawat	11	477	13330	3999	329955	25	3771900	283	62	3999	41581	3
	<b>UPCL</b>	<b>11</b>	<b>12858</b>	<b>912505</b>	<b>722500</b>	<b>26023614</b>	<b>29</b>	<b>805409589</b>	<b>883</b>	<b>4179</b>	<b>770112</b>	<b>9147154</b>	<b>10</b>

## Distribution System Reliability Indices (SAIFI, SAIDI &amp; MAIFI) of Rural Feeders of UPCL for the month of September 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			
						$\sum Ai \times Ni$ 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	887	33495	33395	1770841	53	22988775	686	556	33395	1025562	31
2	Mohanpur	11	468	43105	27601	1041580	24	23068227	535	361	27601	871422	20
3	Vikasnagar	11	960	53631	41312	1965835	37	35388843	660	88	41312	149933	3
4	Rishikesh	11	251	23674	23674	353923	15	10783371	455	0	0	0	0
5	Uttarkashi	11	222	19948	18048	227324	11	2712204	136	13	18048	13386	1
6	Barkot	11	499	18301	15124	721899	39	6973736	381	264	15124	335731	18
7	Doiwala	11	542	14543	14543	758312	52	16099376	1107	77	14543	97567	7
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	743	35656	17828	578438	16	10631013	298	204	17828	216257	6
12	Pauri	11	1190	63409	36780	2265770	36	43200920	681	309	18010	317020	5
13	Tehri	11	1916	105212	105212	4458369	42	183411006	1743	459	105212	891100	8
14	Gopeshwar	11	1045	7028	7028	536611	76	19613686	2791	228	7028	125489	18
15	Narayanbagar	11	794	10044	10044	966660	96	4331429	431	178	10044	234590	23
16	Gairsain	11	611	16070	16070	874423	54	19586745	1219	73	16070	108948	7
17	Kotdwar	11	2562	53146	18205	1208347	23	25479427	479	878	18205	526750	10
18	Rudraprayag	11	596	12930	12930	489990	38	10727760	830	214	12930	179320	14
19	Roorkee(Urban)	11	1087	23893	9663	810257	34	36745596	1538	384	9663	270546	11
20	Roorkee(Rural)	11	2017	81504	81504	7085292	87	251551431	3086	583	81504	2112258	26
21	Ramnagar (Roorkee)	11	293	24116	24116	828226	34	24121796	1000	127	24116	375622	16
22	Bhagwanpur	11	969	1065999	1065999	50788914	48	1550666795	1455	703	1065999	40035690	38
23	Haridwar(Urban)	11	67	111	91	3642	33	61255	552	79	91	6154	55
24	Haridwar(Rural)	11	18	1736	1578	16190	9	368500	212	43	1578	29454	17
25	Jwalapur	11	159	5269	5269	230890	44	2214080	420	23	5269	30503	6
26	Laksar	11	1176	94308	94308	6743490	72	257544248	2731	211	94308	1435248	15
27	Haldwani (Urban)	11	194	9100	1606	104161	11	1202685	132	53	9100	175145	19
28	Haldwani (Rural)	11	1842	217445	127237	3819288	18	64044874	295	553	127237	1238842	6
29	Nainital	11	475	44769	17277	299146	7	5808539	130	223	17277	138199	3
30	Ramnagar	11	888	24490	12007	738663	30	17194233	702	352	24490	568260	23
31	Kashipur	11	944	42232	39877	2452523	58	63498678	1504	253	39877	625801	15
32	Bazpur	11	1690	35945	35945	3900558	109	99935997	2780	223	35945	526357	15
33	Jaspur	11	844	31456	33024	1722324	55	76820677	2442	267	33024	543867	17
34	Rudrapur	11	541	60119	60119	1350467	22	59828901	995	4	60119	150441	3
35	Sitraganj	11	502	31855	15927	470493	15	30086050	944	0	15927	0	0
36	Khatima	11	934	44149	19102	1271646	29	50634766	1147	221	17519	213274	5
37	Almora	11	1587	11224	11224	702389	63	13489399	1202	385	11224	185886	17
38	Bageshwar	11	1954	39944	39944	3814810	96	57248183	1433	404	39944	755574	19
39	Ranikhet	11	1439	9002	9002	556416	62	9986059	1109	320	9002	129230	14
40	Bhikiasain	11	1327	7382	7382	401165	54	8927342	1209	440	7382	117770	16
41	Pithoragarh	11	2020	55185	25052	1045553	19	22375695	405	217	17318	91188	2
42	Dharchula	11	1558	27428	20725	1530027	56	68676030	2504	870	20725	924912	34
43	Champawat	11	1252	24974	7492	560286	22	7371351	295	224	7492	93301	4
	<b>UPCL</b>	<b>11</b>	<b>39063</b>	<b>2523829</b>	<b>2163266</b>	<b>109465139</b>	<b>43</b>	<b>3215399678</b>	<b>1274</b>	<b>11064</b>	<b>2131481</b>	<b>55866596</b>	<b>22</b>