

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of July 2020

Sl No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI 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	214	9869	9869	341826	35	7449261	755	159	9869	280637	28
2	Mohanpur	11	78	5300	2915	227370	43	4232580	799	42	2915	122430	23
3	Vikasnagar	11	172	12045	10144	399969	33	6558212	544	6	10144	20838	2
4	Rishikesh	11	290	13131	13131	390478	30	6995289	533	45	4250	39853	3
5	Uttarkashi	11	113	8288	7619	170092	21	1621048	196	7	7619	9769	1
6	Barkot	11	55	2370	850	46750	20	440300	186	10	850	8500	4
7	Doiwala	11	108	4290	4290	160596	37	3865193	901	134	4290	28009	7
8	Dehradun (North)	11	356	42259	42259	488514	12	20537874	486	238	40172	396812	9
9	Dehradun (South)	11	1275	91148	91148	2673821	29	63960340	702	481	91148	1095272	12
10	Dehradun (Central)	11	531	3969	3969	56782	14	1158305	292	443	3969	54026	14
11	Srinagar	11	151	12639	6319	177370	14	3983370	315	41	6319	53544	4
12	Pauri	11	117	16929	10425	180235	11	5129630	303	21	2650	12735	1
13	Tehri	11	196	29942	29942	493024	16	13288595	444	62	29942	130411	4
14	Gopeshwar	11	299	4162	4162	174217	42	8905433	2140	86	4162	58008	14
15	Narayanbagar	11	93	2072	2072	112770	54	2770138	1337	16	2072	20860	10
16	Gairsain	11	188	7901	7901	435054	55	7323927	927	15	7901	33923	4
17	Kotdwar	11	562	56803	56803	1399925	25	57251992	1008	540	56803	1443868	25
18	Rudraprayag	11	127	2529	2430	100271	40	2182702	863	40	2430	17633	7
19	Roorkee(Urban)	11	723	34090	23700	1415265	42	35184350	1032	151	23700	228140	7
20	Roorkee(Rural)	11	321	18335	18335	961305	52	45929355	2505	100	18335	305315	17
21	Ramnagar (Roorkee)	11	300	21920	21920	691250	32	15046375	686	110	21920	259995	12
22	Bhagwanpur	11	39	85667	85667	3341025	39	221364350	2584	17	85667	1456344	17
23	Haridwar(Urban)	11	917	2365	1735	69714	29	1905891	806	731	1735	54624	23
24	Haridwar(Rural)	11	22	540	491	10802	20	310803	576	10	491	4910	9
25	Jwalapur	11	302	52038	52038	1359629	26	44062464	847	20	31316	33488	16
26	Laksar	11	63	4058	4058	104630	26	5288640	1303	33	4058	70042	17
27	Hadwani (Urban)	11	515	95437	16557	745665	8	11461380	120	216	95437	984381	10
28	Haldwani (Rural)	11	41	4272	2514	26871	6	609915	143	3	2514	2478	1
29	Nainital	11	298	28839	21395	474683	16	19703732	683	144	21395	227777	8
30	Ramnagar	11	364	16959	5675	419680	25	8114280	478	131	14380	414660	24
31	Kashipur	11	324	39753	39753	1230740	31	42398415	1067	209	39753	795895	20
32	Bazpur	11	255	13493	13493	571152	42	18661383	1383	76	13493	180500	13
33	Jaspur	11	79	11368	11368	231502	20	8564398	753	46	11368	135442	12
34	Rudrapur	11	226	57542	57542	685595	12	29307886	509	56	57542	146027	3
35	Sitraganj	11	179	9680	9680	433440	45	8997600	930	8	9680	20320	2
36	Khatima	11	163	11702	4015	242055	21	6038285	516	49	4015	59180	5
37	Almora	11	464	5636	5636	254868	45	4332130	769	83	5636	42219	7
38	Bageshwar	11	63	4176	4176	263088	63	9132912	2187	19	4176	79344	19
39	Ranikhet	11	145	2575	2575	113749	44	1556485	604	25	2575	19098	7
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	448	34905	11353	615565	18	8885336	255	91	8758	100501	3
42	Dharchula	11	455	8616	6125	415505	48	12482710	1449	226	6125	209215	24
43	Champawat	11	402	13330	3999	287131	22	3771900	283	66	3999	45012	3
	UPCL	11	12033	902942	730049	22993974	25	780765164	865	5006	775574	9702036	11

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of July 2020

Sl No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI 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	646	33495	33495	1253271	37	33267287	993	522	33495	980468	29
2	Mohanpur	11	761	42680	27325	1740070	41	42424211	994	576	27325	1249408	29
3	Vikasnagar	11	881	53631	41312	1818991	34	31922279	595	73	41312	109694	2
4	Rishikesh	11	220	25657	25657	367637	14	17910284	698	0	0	0	0
5	Uttarkashi	11	232	19948	18048	234821	12	1911589	96	17	18048	17828	1
6	Barkot	11	454	18301	15124	676490	37	7308620	399	249	15124	307483	17
7	Doiwala	11	791	14543	14543	1176109	81	22880940	1573	134	14543	107152	7
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1148	39404	19702	1066998	27	31430966	798	371	19702	357945	9
12	Pauri	11	1014	64114	35160	1812210	28	36781915	574	380	15605	321350	5
13	Tehri	11	1201	105262	105262	2295754	22	105119215	999	295	105262	544684	5
14	Gopeshwar	11	828	6235	6235	383576	62	16911781	2712	219	6235	116274	19
15	Narayanbagar	11	641	10044	10044	768496	77	19360204	1928	173	10044	221508	22
16	Gairsain	11	733	16070	16070	1017119	63	21880143	1362	132	16070	178004	11
17	Kotdwar	11	2878	53146	19364	1559174	29	39153904	737	1090	19364	719169	14
18	Rudraprayag	11	918	12930	12930	699610	54	16341110	1264	231	12930	181540	14
19	Roorkee(Urban)	11	1027	30570	14613	990414	32	38105484	1246	324	14613	336816	11
20	Roorkee(Rural)	11	1687	81704	81704	6048881	74	161979140	1983	422	81704	1573397	19
21	Ramnagar (Roorkee)	11	273	24116	24116	792370	33	21955538	910	161	24116	491601	20
22	Bhagwanpur	11	929	1139359	1139359	50358440	44	1934036108	1697	593	1139359	32484415	29
23	Haridwar(Urban)	11	87	99	81	6247	63	223790	2261	92	81	6714	68
24	Haridwar(Rural)	11	31	552	502	5272	10	170002	308	17	502	3688	7
25	Jwalapur	11	155	5269	5269	225621	43	2150412	408	9	5269	15917	9
26	Laksar	11	1086	73551	73551	4372395	59	160635363	2184	239	73547	975358	13
27	Haldwani (Urban)	11	245	9100	1490	122946	14	1606335	177	57	9100	152245	17
28	Haldwani (Rural)	11	2191	215910	123815	4413161	20	73086771	339	1029	123815	2243433	10
29	Nainital	11	418	43607	17277	268441	6	17708987	406	364	17277	230510	5
30	Ramnagar	11	1077	24490	12007	867025	35	20349733	831	404	24490	689547	28
31	Kashipur	11	816	42232	38877	1761036	42	56855685	1346	343	38877	736888	17
32	Bazpur	11	1303	35830	35830	2389596	67	56346498	1573	196	35830	429869	12
33	Jaspur	11	618	31456	33024	1395836	44	64189146	2041	242	33024	546864	17
34	Rudrapur	11	378	60119	60119	950648	16	41089256	683	67	60119	167810	3
35	Sitraganj	11	703	41344	41344	1969376	48	55888096	1352	58	41344	144512	3
36	Khatima	11	1037	44149	17519	1450445	33	52591166	1191	197	17519	166446	4
37	Almora	11	2051	10901	10901	935668	86	18366581	1685	364	10901	153836	14
38	Bageshwar	11	2257	39940	39940	4462162	112	76702189	1920	582	39940	1139962	29
39	Ranikhet	11	1533	9586	9586	589139	61	13616890	1420	525	9586	209853	22
40	Bhikiyasain	11	1795	7462	7462	514878	69	22288994	2987	379	7462	97006	13
41	Pithoragarh	11	2427	55098	25027	1262648	23	26115028	474	395	13174	155615	3
42	Dharchula	11	1603	27428	20725	1572329	57	54788745	1998	673	20725	770165	28
43	Champawat	11	1221	24974	7492	565412	23	7371351	295	249	7492	109357	4
	UPCL	11	40294	2594306	2241900	105160712	41	3422821736	1319	12443	2204925	49444331	19