

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of July 2022

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			
						$\sum Ai X Ni$ for Division	SAIFI	$\sum Bi X Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum Ci X Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	71	7239	7239	130931	18	3734443	516	29	7239	69939	10
2	Mohanpur	11	70	5525	3039	212713	39	7262613	1315	17	3039	51659	9
3	Vikasnagar	11	356	46556	37245	1889450	41	37134351	798	18	37245	118121	3
4	Rishikesh	11	1369	60375	60375	3659717	61	86935301	1440	47	60375	90860	2
5	Uttarkashi	11	64	8288	7619	100988	12	4008015	484	6	7619	8223	1
6	Barkot	11	26	2370	849	22074	9	407520	172	22	849	18678	8
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1206	3078	3078	104086	34	3067560	997	804	3078	70375	23
9	Dehradun (South)	11	1621	105580	105580	3167182	30	38317511	363	509	105580	999471	9
10	Dehradun (Central)	11	792	4276	4276	85057	20	1218708	285	603	4276	63135	15
11	Srinagar	11	334	18888	9444	336236	18	7435125	394	69	9444	70085	4
12	Pauri	11	175	16935	7712	213555	13	3972870	235	63	1089	11600	1
13	Tehri	11	178	29942	29942	460991	15	23652135	790	496	29942	1065719	36
14	Gopeshwar	11	510	12032	12032	582003	48	15882624	1320	86	12032	78007	6
15	Narayanbagar	11	150	2072	2072	168252	81	359754	174	14	2072	20216	10
16	Gairsain	11	247	10594	10594	521675	49	16784173	1584	73	10594	157780	15
17	Kotdwar	11	1008	56803	46717	2026631	36	74184718	1306	641	46717	1279568	23
18	Rudraprayag	11	208	4143	2265	83365	20	1962416	474	20	2265	8058	2
19	Roorkee(Urban)	11	1972	33450	33450	4711433	141	52917900	1582	97	33450	200700	6
20	Roorkee(Rural)	11	899	24045	16283	1829802	76	58020585	2413	166	16283	337872	14
21	Ramnagar (Roorkee)	11	684	20658	12127	691220	33	23431739	1134	96	12127	97013	5
22	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
23	Haridwar(Urban)	11	642	3384	2497	46045	14	1444210	427	186	2497	18237	5
24	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
25	Jwalapur	11	1177	23646	20595	1207202	51	27722831	1172	43	20575	44315	2
26	Laksar	11	88	9260	9260	429660	46	9909000	1070	10	9260	34900	4
27	Hadwani (Urban)	11	1008	124318	18209	1090964	9	14930042	120	193	106752	745555	6
28	Haldwani (Rural)	11	161	12974	7485	359878	28	5131200	396	55	7485	108018	8
29	Nainital	11	289	27984	22028	452082	16	18563601	663	129	22028	182476	7
30	Ramnagar	11	381	16959	5615	445295	26	6900755	407	174	16959	722189	43
31	Kashipur	11	801	39753	39753	2777686	70	78631434	1978	324	39753	1083583	27
32	Bazpur	11	544	13956	13956	1254038	90	31289352	2242	62	13956	143283	10
33	Jasur	11	43	11368	11368	122940	11	12075008	1062	19	11368	55786	5
34	Rudrapur-I	11	1794	44270	44270	4480010	101	85795260	1938	64	44270	138690	3
35	Rudrapur-II	11	1119	36751	36751	2358640	64	66158424	1800	27	36751	55734	2
36	Sitraganj	11	127	12803	6401	204009	16	9401971	734	0	6401	0	0
37	Khatima	11	380	7159	6985	587950	82	8764525	1224	0	6985	0	0
38	Almora	11	611	6980	6980	377029	54	7966054	1141	82	6980	50774	7
39	Bageshwar	11	281	4176	4176	1173456	281	9245664	2214	22	4176	91872	22
40	Ranikhet	11	174	2510	2510	156758	62	1811946	722	122	2510	60154	24
41	Bhikyasain	11	-	-	-	-	-	-	-	-	-	-	-
42	Pithoragarh	11	542	36836	12046	774242	21	13602019	369	45	9296	48630	1
43	Dharchula	11	265	10699	7534	198212	19	2991531	280	55	6921	15230	1
44	Champawat	11	249	12524	3854	143344	11	4420670	353	87	3854	66598	5
	UPCL	11	22616	931158	694211	39636799	43	877445558	942	5575	784093	8483103	9

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of July 2022

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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	669	41049	41049	1426609	35	19941888	486	462	41049	443808	11
2	Mohanpur	11	921	43710	27995	2166035	50	53955544	1234	509	27995	1149873	26
3	Vikasnagar	11	1291	119431	95545	4990789	42	98189390	822	29	95545	184046	2
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	291	19948	18048	288033	14	7939870	398	17	18048	17670	1
6	Barkot	11	585	24419	20198	524956	21	7175131	294	610	20198	542653	22
7	Doiwala	11	553	18979	18979	715396	38	27566715	1452	76	18979	97839	5
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	2824	52716	26358	1481102	28	39065649	741	650	26358	504405	10
12	Pauri	11	1153	68599	20040	1283464	19	28623185	417	513	5850	159435	2
13	Tehri	11	1351	108600	108600	2467245	23	201291287	1854	1651	108600	2899946	27
14	Gopeshwar	11	1279	7579	7579	665614	88	24379056	3217	406	7579	205051	27
15	Narayanbagar	11	1187	10044	10044	1454072	145	2302788	229	101	10044	121618	12
16	Gairsain	11	1058	22574	22574	1091748	48	33425885	1481	235	22574	327052	14
17	Kotdwar	11	3370	53146	18205	1734438	33	40480013	762	1279	18205	860415	16
18	Rudraprayag	11	1379	11983	6951	506974	42	15200698	1269	293	6951	77576	6
19	Roorkee(Urban)	11	1900	25920	25920	2332800	90	108086400	4170	375	25920	440640	17
20	Roorkee(Rural)	11	3581	102130	61641	6492248	64	381793476	3738	719	61641	1303526	13
21	Ramnagar (Roorkee)	11	755	28538	19688	1061746	37	37090786	1300	210	19688	295320	10
22	Bhagwanpur	11	2403	3929	3929	214577	55	10116907	2575	411	3929	36700	9
23	Haridwar(Urban)	11	499	302	239	21727	72	436660	1446	247	239	12092	40
24	Haridwar(Rural)	11	190	10387	9443	224271	22	12298327	1184	59	9443	69642	7
25	Jwalapur	11	1407	36866	21465	1521053	41	57082697	1548	275	21485	289790	8
26	Laksar	11	1394	122362	122362	11008151	90	628573594	5137	233	122362	1462880	12
27	Hadwani (Urban)	11	258	9100	1853	167150	18	3467813	381	96	9100	255157	28
28	Haldwani (Rural)	11	2205	248033	149961	5623975	23	94464569	381	992	149961	2625731	11
29	Nainital	11	398	47487	17120	245560	5	16590852	349	349	17120	230491	5
30	Ramnagar	11	1522	29448	16411	1209375	41	26489851	900	646	29294	1032423	35
31	Kashipur	11	2091	55894	55894	3736097	67	124643620	2230	731	55894	1290030	23
32	Bazpur	11	3046	38978	38975	5977320	153	176089098	4518	254	38975	579910	15
33	Jaspur	11	603	31456	33024	1306561	42	70811137	2251	277	33024	583598	19
34	Rudrapur-I	11	2427	81837	81837	10470327	128	213676407	2611	91	81837	297679	4
35	Rudrapur-II	11	2361	42191	42191	5017305	119	94507840	2240	38	42191	80092	2
36	Sitraganj	11	1108	48377	24188	1462188	30	94628281	1956	0	24188	0	0
37	Khatima	11	960	48492	21734	1656645	34	44317513	914	0	21734	0	0
38	Almora	11	2073	10589	10589	820306	77	20071152	1895	511	10589	224107	21
39	Bageshwar	11	5667	42917	42917	10647495	248	124244715	2895	558	42917	1149495	27
40	Ranikhet	11	1811	10234	10234	798667	78	16273071	1590	631	10234	278347	27
41	Bhikiyasain	11	1534	12757	12757	760475	60	22688860	1779	483	12757	226575	18
42	Pithoragarh	11	3287	57069	25845	1811281	32	43870363	769	570	20229	246630	4
43	Dharchula	11	720	22720	13120	502131	22	9313121	410	265	6730	46133	2
44	Champawat	11	996	28937	9022	476994	16	12105543	418	671	9022	329990	11
UPCL		11	63107	1799727	1314524	96362899	54	3043269752	1691	16523	1308479	20978365	12