

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of August 2021

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	143	7217	7217	333028	46	5527092	766	11	7217	19391	3
2	Mohanpur	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	11	897	49402	39770	2399450	49	54363617	1100	2	39770	5318	0
4	Rishikesh	11	566	35051	35051	839206	24	14452852	412	6	35051	8742	0
5	Uttarkashi	11	81	8288	7619	126674	15	3969499	479	5	7619	6546	1
6	Barkot	11	30	2370	849	25470	11	462705	195	58	849	28440	12
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1099	3000	3000	88290	29	1458000	486	410	3000	30480	10
9	Dehradun (South)	11	1488	98992	98992	2657281	27	39533547	399	609	98992	1358998	14
10	Dehradun (Central)	11	720	3021	3021	56774	19	1280504	424	519	3021	40453	13
11	Srinagar	11	40	599	299	12067	20	344572	575	5	299	1578	3
12	Pauri	11	126	16929	7365	146955	9	3139100	185	10	50	160	0
13	Tehri	11	168	29942	29942	335350	11	19360497	647	85	29942	169671	6
14	Gopeshwar	11	447	4664	4664	81897	18	5443177	1167	126	4664	77441	17
15	Narayanbagar	11	75	2072	2072	81270	39	320540	155	35	2072	38402	19
16	Gairsain	11	249	7633	7633	611021	80	13298648	1742	24	7633	55857	7
17	Kotdwar	11	748	56803	46717	1453463	26	37256712	656	817	46717	1659167	29
18	Rudraprayag	11	146	2723	2223	80335	30	1689707	621	38	2233	12189	4
19	Roorkee(Urban)	11	1015	33705	22050	1598291	47	42516450	1261	110	33705	264825	8
20	Roorkee(Rural)	11	541	20835	17180	1549086	74	50590110	2428	141	17180	403736	19
21	Ramnagar (Roorkee)	11	608	22862	18510	865698	38	17356685	759	206	18510	293312	13
22	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
23	Haridwar(Urban)	11	536	2441	1841	32392	13	730835	299	153	1841	12669	5
24	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
25	Jwalapur	11	1038	25974	23848	923772	36	10725963	413	57	23848	480518	18
26	Laksar	11	77	7835	7835	282815	36	4999485	638	15	7835	74885	10
27	Hadwani (Urban)	11	896	95436	95436	849859	9	12594948	132	182	95436	700682	7
28	Haldwani (Rural)	11	66	8110	4130	57054	7	1156601	143	26	4130	26099	3
29	Nainital	11	289	29189	29189	478105	16	19424007	665	138	29189	199251	7
30	Ramnagar	11	336	16959	16959	410380	24	6279445	370	103	16959	393700	23
31	Kashipur	11	467	39753	39753	1603893	40	38676513	973	243	39753	828667	21
32	Bazpur	11	390	13625	13625	878762	64	21010692	1542	69	13625	166071	12
33	Jaspur	11	52	11368	11368	159152	14	5105850	449	31	11368	95238	8
34	Rudrapur-I	11	531	44270	44270	1619001	37	61401250	1387	62	44270	221350	5
35	Rudrapur-II	11	497	22909	22909	960345	42	22784956	995	24	22909	46870	2
36	Sitraganj	11	101	9145	4572	117894	13	9234847	1010	0	4572	0	0
37	Khatima	11	341	14205	4202	238814	17	5956335	419	0	4202	0	0
38	Almora	11	717	17811	6785	455517	26	5681406	319	61	6785	34969	2
39	Bageshwar	11	87	4176	4176	363312	87	4125888	988	18	1476	212670	51
40	Ranikhet	11	188	2803	2803	158508	57	2199417	785	38	2803	24107	9
41	Bhikyasain	11	-	-	-	-	-	-	-	-	-	-	-
42	Pithoragarh	11	484	35473	11540	642206	18	9769322	275	63	8774	68233	2
43	Dharchula	11	265	10525	7625	199627	19	2953224	281	28	5110	21254	2
44	Champawat	11	387	12987	3896	207792	16	2675322	206	66	3896	25974	2
UPCL		11	16932	831102	710936	23980806	29	559850320	674	4594	707305	8107913	10

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of August 2021

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
		KV	KW	Nos.	Min			Nos.					
1	Raipur Dehradun	11	1055	40552	40552	2365350	58	43865089	1082	543	40552	592357	15
2	Mohanpur	11	829	30519	48405	1188715	39	22942658	752	459	30518	449850	15
3	Vikasnagar	11	480	19459	14201	476370	24	11171894	574	2	14201	325	0
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	224	19948	18048	223646	11	47015040	2357	14	18048	12846	1
6	Barkot	11	639	20264	17239	386208	19	4397288	217	625	17239	182376	9
7	Doiwala	11	561	18979	18979	811162	43	18755048	988	74	18979	96224	5
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	63	1508	754	47231	31	1174857	779	12	754	8885	6
12	Pauri	11	1140	63671	27189	1611169	25	50948382	800	669	3195	195270	3
13	Tehri	11	1599	105212	105212	2628656	25	127516944	1212	281	105212	461946	4
14	Gopeshwar	11	1103	6866	6866	245550	36	10965546	1597	359	6866	178638	26
15	Narayanbagar	11	531	10044	10044	412178	41	1881943	187	154	10044	182406	18
16	Gairsain	11	910	22248	22248	1315048	59	29300616	1317	106	22248	170416	8
17	Kotdwar	11	3176	53146	18205	1641896	31	36889211	694	1035	18205	701934	13
18	Rudraprayag	11	1001	12850	12129	787559	61	23334833	1816	338	12129	270487	21
19	Roorkee(Urban)	11	1944	25510	25510	1658150	65	71810650	2815	461	25510	560005	22
20	Roorkee(Rural)	11	2408	86622	64967	6669894	77	255968010	2955	748	64967	2699719	31
21	Ramnagar (Roorkee)	11	548	24116	20184	1106083	46	20908572	867	211	20184	425882	18
22	Bhagwanpur	11	2699	6425	6425	394115	61	14192825	2209	591	6425	86299	13
23	Haridwar(Urban)	11	571	350	269	20682	59	550410	1573	236	269	8869	25
24	Haridwar(Rural)	11	161	8385	7621	153373	18	8795587	1049	154	7621	146704	17
25	Jwalapur	11	1203	28671	21181	904678	32	18435519	643	186	21181	939666	33
26	Laksar	11	1707	102568	102568	5846376	57	278061848	2711	400	102568	2265808	22
27	Hadwani (Urban)	11	222	10424	10424	118282	11	1685466	162	110	10424	334568	32
28	Haldwani (Rural)	11	2150	219253	121852	4374724	20	79699297	364	1097	121852	2480548	11
29	Nainital	11	399	46986	46986	563832	12	17510770	373	359	46986	228034	5
30	Ramnagar	11	1275	29448	29448	1006626	34	24110380	819	506	29448	746649	25
31	Kashipur	11	1538	53494	53494	3155030	59	97359080	1820	564	53494	1105302	21
32	Bazpur	11	1889	36331	36331	2579501	71	70046168	1928	263	36331	601390	17
33	Jaspur	11	742	33024	31456	1557107	47	103728384	3141	183	31456	404827	12
34	Rudrapur-I	11	749	86047	86047	1820449	21	79445770	923	81	86047	167204	2
35	Rudrapur-II	11	1893	42094	42094	2483546	59	72527962	1723	41	42094	84188	2
36	Sitraganj	11	587	37235	18618	679631	18	50413779	1354	0	18618	0	0
37	Khatima	11	1299	48492	18277	1396578	29	38650479	797	0	18277	0	0
38	Almora	11	1773	17811	11026	851695	48	20580771	1156	291	11026	185821	10
39	Bageshwar	11	2294	42901	42901	3689486	86	106236171	2476	463	42901	928629	22
40	Ranikhet	11	1436	10495	10495	618131	59	13542312	1290	455	10495	195411	19
41	Bhikiyasain	11	1135	10536	10536	409058	39	3239537	307	357	10536	128664	12
42	Pithoragarh	11	2593	55924	25469	1411626	25	29482799	527	448	18826	185877	3
43	Dharchula	11	998	24398	11469	411626	17	10256251	420	445	12335	84877	3
44	Champawat	11	1240	24164	7249	434952	18	6645100	275	264	7249	169148	7
	UPCL	11	48764	1536971	1222968	58455969	38	1924043246	1252	13585	1175310	18668050	12