

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of December 2024

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
		KV		KW			Nos.		Min				Nos.
1	Raipur Dehradun	11	62	7239	4343	131967	18	3642086	503	21	4343	51469	7
2	Mohanpur	11	83	5300	2385	197955	37	4495725	848	33	2385	78705	15
3	Vikasnagar	11	232	46556	27934	961494	21	14505614	312	6	27934	30395	1
4	Rishikesh	11	400	21697	13018	312573	14	7424045	342	7	13018	4541	0
5	Uttarkashi	11	237	10022	4811	148300	15	2888189	288	22	4811	11787	1
6	Barkot	11	21	2370	1659	34839	15	504336	213	7	1659	11613	5
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	896	4490	2694	104347	23	2254422	502	562	2694	68017	15
9	Dehradun (South)	11	1211	112839	67703	1452407	13	21063450	187	403	67703	505222	4
10	Dehradun (Central)	11	291	4104	3693	32385	8	665319	162	190	3693	21290	5
11	Srinagar	11	317	24181	12091	418290	17	16055474	664	90	12091	116455	5
12	Pauri	11	133	16929	8126	191113	11	2201585	130	24	8126	21951	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	132	29942	20959	205847	7	5953402	199	328	20959	462864	15
15	Gopeshwar	11	336	7822	3520	159251	20	2546710	326	43	3520	18532	2
16	Narayanbagar	11	41	2430	1458	28368	12	3187656	1312	5	1458	3949	2
17	Gairsain	11	102	10594	6356	142488	13	5278118	498	18	6356	23183	2
18	Kotdwar	11	547	64959	55568	1065541	16	27182177	418	418	55568	849906	13
19	Rudraprayag	11	199	6296	3778	170561	27	3610159	573	9	3778	6498	1
20	Roorkee(Urban)	11	573	32000	19200	704000	22	55744000	1742	57	19200	130240	4
21	Roorkee(Rural)	11	606	21545	16159	495535	23	47054280	2184	53	16159	122347	6
22	Ramnagar (Roorkee)	11	381	20856	19258	611431	29	21418763	1027	129	19258	207020	10
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	501	2521	1791	26960	11	441078	175	115	1791	7179	3
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	788	23646	14188	517918	22	14326778	606	92	14188	62930	3
27	Laksar	11	96	17298	10379	394220	23	7889124	456	24	10379	110557	6
28	Hadwani (Urban)	11	1260	133347	40004	2136382	16	31913745	239	116	40004	184416	1
29	Haldwani (Rural)	11	103	13112	6161	165868	13	2590554	198	24	6161	38580	3
30	Nainital	11	186	28301	11320	262010	9	8798019	311	47	11320	66752	2
31	Ramnagar	11	236	21573	8341	345540	16	5798999	269	46	8341	66091	3
32	Kashipur	11	473	39753	21864	945842	24	37660961	947	163	21864	358315	9
33	Bazpur	11	306	15287	8408	421835	28	10323310	675	52	8408	74409	5
34	Jaspur	11	32	11368	7958	64467	6	1794737	226	7	7958	14627	1
35	Rudrapur-I	11	604	35990	21594	827770	23	67049370	1863	48	21594	97020	3
36	Rudrapur-II	11	696	43227	25936	864540	20	42291135	978	30	25936	60138	1
37	Sitraganj	11	185	8688	6081	282625	33	5494277	632	25	6081	37769	4
38	Khatima	11	209	11666	6028	220704	19	4442288	381	32	6028	32780	3
39	Almora	11	910	12503	5626	522676	42	7703103	616	61	5626	29282	2
40	Bageshwar	11	376	8759	3504	372140	42	5240534	598	48	3504	42846	5
41	Ranikhet	11	149	4297	2363	103302	24	1500980	349	47	2363	26446	6
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	542	39629	12940	798833	20	13458727	340	19	12940	28923	1
44	Dharchula	11	660	11895	8725	265641	22	6562231	552	140	7185	17398	1
45	Champawat	11	115	9979	3992	97144	10	5344772	536	45	3992	36803	4
UPCL		11	15227	945009	521916	17205109	18	528300231	559	3606	520376	4139246	4

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of December 2024

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			
						$\sum A_i \times N_i$ 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	553	41049	24629	1235985	30	19644409	479	278	24629	287753	7
2	Mohanpur	11	883	44234	19905	1268409	29	26594411	601	414	19905	646284	15
3	Vikasnagar	11	844	119431	71658	2428171	20	37754909	316	22	71658	66401	1
4	Rishikesh	11	399	20768	12461	423171	20	13948121	672	0	12461	0	0
5	Uttarkashi	11	846	19630	6871	435377	22	9317738	475	392	6871	208804	11
6	Barkot	11	782	24419	17093	548143	22	10757358	441	94	17093	64700	3
7	Doiwala	11	560	26308	15785	513349	20	10245802	389	77	15785	68274	3
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1260	53986	26993	858866	16	23585897	437	201	26993	114521	2
12	Pauri	11	668	65829	29623	656660	10	9059104	138	89	29623	84730	1
13	Nainidanda	11	925	29872	23363	374972	13	14853225	497	625	23363	395154	13
14	Tehri	11	926	105212	68388	1071914	10	157716518	1499	1298	68388	1516660	14
15	Gopeshwar	11	503	10559	4751	133221	13	4347285	412	98	4751	24959	2
16	Narayanbagar	11	277	17501	10501	288609	16	24737868	1414	51	10501	61783	4
17	Gairsain	11	310	29534	17720	308087	10	10277663	348	95	17720	82681	3
18	Kotdwar	11	1315	38286	8329	644452	17	12931203	338	475	8329	253992	7
19	Rudraprayag	11	823	16687	10012	438402	26	11479479	688	54	10012	28481	2
20	Roorkee(Urban)	11	722	35957	21574	862968	24	78314346	2178	881	21574	647226	18
21	Roorkee(Rural)	11	2228	86982	65237	2174550	25	279908076	3218	541	65237	1411729	16
22	Ramnagar (Roorkee)	11	489	28949	24750	806850	28	33558839	1159	197	24750	325050	11
23	Bhagwanpur	11	2913	4399	2639	114374	26	6976814	1586	1115	2639	39591	9
24	Haridwar(Urban)	11	434	389	330	22772	59	324965	835	85	330	3861	10
25	Haridwar(Rural)	11	137	9559	6691	162503	17	13277451	1389	59	6691	76472	8
26	Jwalapur	11	915	30679	15953	648260	21	41527542	1354	197	15953	141653	5
27	Laksar	11	1714	178896	143117	7528332	42	313077346	1750	165	80503	534200	3
28	Hadwani (Urban)	11	262	18129	5439	489128	27	8502473	469	42	5439	76142	4
29	Haldwani (Rural)	11	2105	286780	155037	4813037	17	91195956	318	539	155037	1375143	5
30	Nainital	11	458	45908	16068	502234	11	4912156	107	182	16068	109132	2
31	Ramnagar	11	1039	31860	17144	933040	29	15479170	486	296	17144	265566	8
32	Kashipur	11	1149	56444	31044	1628692	29	69522609	1232	485	31044	608713	11
33	Bazpur	11	1674	45391	20426	1920260	42	58209764	1282	179	20426	253508	6
34	Jasipur	11	558	33024	19814	732997	22	36969474	1119	180	19814	229117	7
35	Rudrapur-I	11	199	11740	7044	234800	20	19828860	1689	23	7044	31820	3
36	Rudrapur-II	11	1106	39601	23761	955176	24	73063845	1845	38	23761	78311	2
37	Sitraganj	11	754	32800	22960	928277	28	56611290	1726	129	22960	158831	5
38	Khatima	11	786	49014	19606	831998	17	39284077	801	125	19606	118128	2
39	Almora	11	1634	14849	6682	386602	26	8528301	574	151	6682	34634	2
40	Bageshwar	11	2170	43395	17358	1518192	35	28247380	651	235	17358	174084	4
41	Ranikhet	11	1266	12904	5807	321197	25	6472166	502	218	5807	49815	4
42	Bhikiyasain	11	486	7369	4421	103889	14	2807132	381	126	4421	29477	4
43	Pithoragarh	11	2297	63012	27810	1425885	23	38021270	603	226	27810	136761	2
44	Dharchula	11	990	32010	16350	715445	22	31955325	998	895	8950	59895	2
45	Champawat	11	613	42869	17148	510950	12	18528193	432	215	17148	171877	4
UPCL		11	40972	1906214	1082294	42900195	23	1772355809	930	11787	1012280	11045914	6