

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of May 2019

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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	127	9817	9817	208170	21	13590276	1384	198	9817	360006	37
2	Mohanpur	11	49	5124	2818	138092	27	3333931	651	18	2818	50728	10
3	Vikasnagar	11	217	18966	15788	559902	30	20326919	1072	0	15788	0	0
4	Rishikesh	11	291	14588	14588	469459	32	10794110	740	34	6396	54942	4
5	Uttarkashi	11	91	8288	7619	130814	16	258783	31	7	7619	10619	1
6	Barkot	11	49	2370	1140	55860	24	664620	280	9	1140	10260	4
7	Doiwala	11	120	2816	2816	138304	49	3811448	1353	24	2816	36964	13
8	Dehradun (North)	11	613	43781	43781	894008	20	31857245	728	464	45741	582287	13
9	Dehradun (South)	11	1201	91148	91148	2903006	32	52143147	572	401	91148	1005629	11
10	Dehradun (Central)	11	323	46508	46508	679482	15	21850389	470	173	46104	347880	7
11	Srinagar	11	246	4340	2170	533826	123	16698325	3848	10	2170	21700	5
12	Pauri	11	144	16814	4917	85202	5	3588494	213	22	7331	47570	3
13	Tehri	11	352	29942	29942	805467	27	19174862	640	38	29942	69724	2
14	Gopeshwar	11	302	4227	4227	218962	52	6757856	1599	39	4227	31773	8
15	Narayanbagar	11	72	2072	2072	80304	39	2430548	1173	41	2072	40334	19
16	Gairsain	11	207	7901	7901	533090	67	12716067	1609	26	7901	64808	8
17	Kotdwar	11	421	14442	5255	450389	31	8603986	596	44	5255	21904	2
18	Rudraprayag	11	90	2529	2430	61756	24	1070624	423	12	2430	9076	4
19	Roorkee(Urban)	11	1020	33430	22655	1905845	57	81136590	2427	92	22655	150775	5
20	Roorkee(Rural)	11	438	15600	15600	1823000	117	57793000	3705	119	15600	476700	31
21	Ramnagar (Roorkee)	11	614	34700	34700	1831752	53	87642730	2526	105	34700	285939	8
22	Bhagwanpur	11	125	2267	2267	283399	125	6404806	2825	25	2267	56680	25
23	Haridwar(Urban)	11	1042	2967	2256	93539	32	2907093	980	616	2256	59667	20
24	Haridwar(Rural)	11	22	565	514	5654	10	209926	372	42	514	10982	19
25	Jwalapur	11	846	50981	50981	3316414	65	58672292	1151	0	30259	0	0
26	Laksar	11	173	22360	22360	1921720	86	71875200	3214	9	22360	102000	5
27	Hadwani (Urban)	11	658	95437	16965	848965	9	15000513	157	156	95437	734647	8
28	Haldwani (Rural)	11	64	3862	2111	44539	12	1087453	281	6	2111	7717	2
29	Nainital	11	314	24952	19444	606672	24	21904843	878	106	19444	197486	8
30	Ramnagar	11	259	16948	11975	722750	43	15882270	937	74	16605	305485	18
31	Kashipur	11	521	39753	39753	1420022	36	51226827	1289	138	39753	393233	10
32	Bazpur	11	401	13732	13732	863768	63	26415666	1924	65	13732	158750	12
33	Jaspur	11	132	11368	11368	381118	34	14591500	1284	27	11368	80764	7
34	Rudrapur	11	55	59423	59423	134885	2	674425	11	0	59423	0	0
35	Sitraganj	11	143	11360	11360	329280	29	12656800	1114	0	11360	0	0
36	Khatima	11	102	11702	3410	129360	11	3015650	258	2	3410	2860	0.2
37	Almora	11	587	5376	5376	302128	56	5206183	968	94	5376	49248	9
38	Bageshwar	11	53	4176	4176	221328	53	4890096	1171	7	4176	29232	7
39	Ranikhet	11	165	2414	1133	49991	21	1027065	425	38	1133	10248	4
40	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
41	Pithoragarh	11	496	34038	11082	625317	18	16216312	476	45	8545	46463	1
42	Dharchula	11	185	8013	4186	108020	13	5879185	734	136	4186	86283	11
43	Champawat	11	31	12766	12766	60497	5	9789196	767	23	12766	65537	5
	UPCL	11	13361	843863	674530	26976054	32	801777251	950	3485	730151	6076899	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of May 2019

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.
	KV		KW										
1	Raipur Dehradun	11	650	32745	32403	1278827	39	47932260	1464	795	32403	2197325	67
2	Mohanpur	11	1007	39122	25194	2171166	55	49214103	1258	504	25194	865198	22
3	Vikasnagar	11	913	52443	40373	1408013	27	51404366	980	0	40373	0	0
4	Rishikesh	11	302	19172	19172	440579	23	16489908	860	0	0	0	0
5	Uttarkashi	11	186	16784	15239	209250	12	398161	24	13	15239	14871	1
6	Barkot	11	638	18301	15124	942099	51	12385765	677	210	15124	268475	15
7	Doiwala	11	438	12390	12390	564794	46	22071561	1781	130	12390	134421	11
8	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	976	12275	6138	5990299	488	206389136	16814	169	6138	1037255	85
12	Pauri	11	836	56599	17071	638528	11	16408266	290	179	14687	102672	2
13	Tehri	11	1506	101435	100640	3129040	31	63842038	629	137	101424	244896	2
14	Gopeshwar	11	1013	8162	8162	676707	83	24363251	2985	230	8162	151448	19
15	Narayanbagar	11	285	10044	10044	400672	40	12353906	1230	123	10044	161896	16
16	Gairsain	11	478	16070	16070	679084	42	23660765	1472	68	16070	95414	6
17	Kotdwar	11	3101	98008	27630	1879348	19	52765184	538	657	27630	347908	4
18	Rudraprayag	11	853	12930	12930	688350	53	20858780	1613	271	12930	267510	21
19	Roorkee(Urban)	11	1403	27420	12622	1280613	47	68107345	2484	446	12622	459949	17
20	Roorkee(Rural)	11	3559	79631	68468	10244924	129	507004720	6367	655	68468	1875362	24
21	Ramnagar (Roorkee)	11	641	24836	24836	2381569	96	89768260	3614	237	24836	848832	34
22	Bhagwanpur	11	1901	39724	39724	3414239	86	156389738	3937	833	39724	1202079	30
23	Haridwar(Urban)	11	149	102	88	4717	46	300954	2951	83	88	3735	37
24	Haridwar(Rural)	11	21	1582	1438	15573	10	1087932	688	53	1438	37001	23
25	Jwalapur	11	150	4664	4664	214984	46	113870	24	0	4664	0	0
26	Laksar	11	1141	109895	109895	9908230	90	613934142	5587	105	109895	624680	6
27	Haldwani (Urban)	11	244	9100	1581	130758	14	2101826	231	103	9100	441150	48
28	Haldwani (Rural)	11	2291	206171	115734	4830714	23	102369913	497	355	115734	1653954	8
29	Nainital	11	1134	44322	16919	710725	16	23650012	534	354	16983	212623	5
30	Ramnagar	11	1083	25162	19006	1506296	60	40648973	1615	444	29470	862673	34
31	Kashipur	11	983	38042	35685	2001889	53	94872940	2494	276	35685	523549	14
32	Bazpur	11	795	31166	31166	2172742	70	87468737	2807	136	31166	357743	11
33	Jaspur	11	1012	33024	33024	2236364	68	127187398	3851	344	33024	708078	21
34	Rudrapur	11	100	100462	100462	259839	3	1299195	13	10	100462	36088	0.36
35	Sitraganj	11	945	33536	33536	2247376	67	143737552	4286	0	33536	0	0
36	Khatima	11	1090	44149	15349	1461939	33	55098298	1248	7	15349	7968	0.2
37	Almora	11	2559	8179	8179	793983	97	14572366	1782	295	8292	125324	15
38	Bageshwar	11	1582	39744	39744	3158862	79	65596701	1650	429	39744	916949	23
39	Ranikhet	11	1585	9669	4375	299228	31	6815970	705	290	4375	60100	6
40	Bhikiyasain	11	2783	7964	7964	915112	115	21578113	2709	455	7964	161177	20
41	Pithoragarh	11	2283	54259	21129	1307208	24	38755137	714	177	13602	82243	2
42	Dharchula	11	743	25702	9639	362612	14	18138985	706	484	9639	211905	8
43	Champawat	11	116	22639	22639	148709	7	9966795	440	80	22639	115969	5
	UPCL	11	43475	1527625	1136444	73105962	48	2911103322	1906	10137	1126307	17418421	11