

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of August 2018

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	330	9817	9817	581546	59	9346468	952	118	9817	231681	24
2	Mohanpur	11	46	5124	2818	129637	25	3438204	671	22	2818	62000	12
3	Vikasnagar	11	285	18751	15699	697205	37	24681032	1316	5	15699	19310	1
4	Rishikesh	11	257	16186	16186	445763	28	17873791	1104	31	5968	41862	3
5	Uttarkashi	11	161	17327	13026	268408	15	515997	30	2	13026	2859	0
6	Doiwala	11	141	4288	4361	237472	55	6440596	1502	43	4361	78509	18
7	Dehradun (North)	11	928	45827	45827	1193335	26	43124582	941	702	41095	1032482	23
8	Dehradun (South)	11	1001	85770	85770	2465785	29	48047975	560	702	83957	1586347	18
9	Dehradun (Central)	11	728	57014	57014	1397983	25	44688143	784	536	55219	1103791	19
10	Srinagar	11	167	4599	2300	78769	17	1607096	349	15	2300	7368	2
11	Pauri	11	207	16814	4917	153620	9	3699510	220	24	7331	25684	2
12	Tehri	11	426	29942	29942	1009738	34	24852383	830	113	29942	241260	8
13	Gopeshwar	11	392	4988	4988	281488	56	59634299	11956	132	4988	658391	132
14	Narayanbagar	11	87	2072	2072	102270	49	9915738	4786	5	2072	5894	3
15	Gairsain	11	225	7901	7901	552644	70	11835087	1498	21	7901	52500	7
16	Kotdwar	11	534	18154	8609	893985	49	21733526	1197	43	8609	47728	3
17	Rudraprayag	11	79	2099	2000	93590	45	2915890	1389	44	2000	36992	18
18	Roorkee(Urban)	11	925	32770	22545	1566200	48	37130275	1133	81	22545	133990	4
19	Roorkee(Rural)	11	415	15600	15600	1641500	105	59975000	3845	136	15600	577600	37
20	Ramnagar (Roorkee)	11	523	24160	24160	1395647	58	43348565	1794	96	24160	265269	11
21	Bhagwanpur	11	132	2348	2348	309886	132	6197714	2640	8	2170	17360	7
22	Haridwar(Urban)	11	901	2490	1858	76442	31	1788740	718	485	1858	45015	18
23	Haridwar(Rural)	11	31	540	491	15221	28	194436	360	21	491	10311	19
24	Jwalapur	11	102	41444	20722	297265	7	2260553	55	0	20722	0	0
25	Laksar	11	134	14500	14500	1096620	76	631740	44	5	14500	39930	3
26	Hadwani (Urban)	11	811	56274	15223	647528	12	12524581	223	190	15223	149919	3
27	Haldwani (Rural)	11	101	7134	2972	104187	15	2274813	319	11	2972	35342	5
28	Nainital	11	359	24869	19266	685873	28	22173986	892	138	19266	251398	10
29	Ramnagar	11	209	15995	11225	572765	36	16774100	1049	126	15995	454385	28
30	Kashipur	11	579	39753	39753	1617306	41	55324634	1392	196	39753	559770	14
31	Bazpur	11	315	12787	12787	591962	46	21502922	1682	51	12787	112469	9
32	Jaspur	11	143	11368	11368	413096	36	17640400	1552	32	11368	99826	9
33	Rudrapur	11	60	59423	59423	144507	2	722535	12	0	59423	0	0
34	Sitraganj	11	94	7120	7120	159280	22	6262400	880	16	7120	24320	3
35	Almora	11	714	5959	5959	406628	68	8916693	1496	52	5959	28926	5
36	Bageshwar	11	123	4176	4176	513648	123	11851488	2838	2	4176	8352	2
37	Ranikhet	11	154	2462	1927	94483	38	1982597	805	67	1927	35228	14
38	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
39	Pithoragarh	11	483	34681	11286	672445	19	13797096	398	48	8575	51625	1
40	Dharchula	11	383	8428	4141	262467	31	8962110	1063	108	4141	67979	8
41	Champawat	11	53	12790	12790	115400	9	32306541	2526	28	28	61630	5
UPCL		11	13738	783744	634886	23983593	31	718894236	917	4455	607861	8265303	11

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of August 2018

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	1259	32745	32403	1815471	55	30945334	945	481	32403	738194	23
2	Mohanpur	11	750	83462	47448	3353031	40	87276035	1046	616	47448	2677651	32
3	Vikasnagar	11	972	52413	40363	1422951	27	34785220	664	12	40363	30887	1
4	Rishikesh	11	211	20028	20028	319893	16	5298056	265	0	16492	0	0
5	Uttarkashi	11	333	35952	29711	454143	13	934817	26	10	29711	14337	0
6	Doiwala	11	530	10346	10476	774086	75	24890767	2406	202	10476	208591	20
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	966	12599	6300	347090	28	10619274	843	211	6300	70639	6
11	Pauri	11	1125	53831	16024	810813	15	27787428	516	221	12625	173526	3
12	Tehri	11	2526	102203	101408	5687295	56	197930067	1937	348	102192	623541	6
13	Gopeshwar	11	917	7336	7336	505113	69	23408991	3191	279	7336	145715	20
14	Narayanbagar	11	386	10044	10044	534016	53	28408252	2828	128	10044	180348	18
15	Gairsain	11	498	16070	16070	663384	41	18988649	1182	103	16070	111570	7
16	Kotdwar	11	2783	94943	33505	2155035	23	67629535	712	599	33935	392071	4
17	Rudraprayag	11	781	12510	12510	572720	46	20148720	1611	489	12510	371970	30
18	Roorkee(Urban)	11	1082	16930	9905	1001050	59	46389125	2740	446	9905	393975	23
19	Roorkee(Rural)	11	2406	79631	68468	7049674	89	331269990	4160	525	68468	1704198	21
20	Ramnagar (Roorkee)	11	695	26206	26206	2946757	112	63932610	2440	81	26206	436140	17
21	Bhagwanpur	11	1692	48766	48766	4136489	85	77938686	1598	306	46632	702153	14
22	Haridwar(Urban)	11	256	183	148	22199	121	614791	3360	184	148	20137	110
23	Haridwar(Rural)	11	40	578	526	7478	13	603302	1044	54	526	13864	24
24	Jwalapur	-	-	-	-	-	-	-	-	-	-	-	-
25	Laksar	11	1495	107264	107264	11914738	111	8817784	82	160	107264	968405	9
26	Haldwani (Urban)	11	193	6445	1257	83640	13	2989190	464	72	1295	30180	5
27	Haldwani (Rural)	11	2009	188246	88489	3225440	17	67104597	356	445	88489	1643920	9
28	Nainital	11	468	44267	16288	277466	6	19191480	434	307	16288	200865	5
29	Ramnagar	11	1012	23035	17569	1298365	56	45741992	1986	384	23035	637374	28
30	Kashipur	11	786	38042	35685	1777498	47	91081638	2394	287	35685	524965	14
31	Bazpur	11	881	30038	30038	2600717	87	129436495	4309	118	30038	319410	11
32	Jaspur	11	1078	35034	35034	2270920	65	112269020	3205	372	35034	802778	23
33	Rudrapur	11	86	100462	100462	224419	2	1122095	11	10	100462	36088	0
34	Sitraganj	11	613	37184	37184	1363600	37	85680480	2304	54	37184	118480	3
35	Almora	11	2274	8756	8756	800548	91	21936449	2505	280	8756	111079	13
36	Bageshwar	11	1981	38878	38878	3893658	100	144477688	3716	340	38878	655905	17
37	Ranikhet	11	1411	9180	7158	483483	53	10635604	1159	230	7158	85063	9
38	Bhikiyasain	11	1487	7870	7870	482182	61	20329092	2583	342	7870	121517	15
39	Pithoragarh	11	1640	55597	21371	917575	17	23471842	422	175	12051	78963	1
40	Dharchula	11	1418	23898	8852	727607	30	26379172	1104	555	8852	234619	10
41	Champawat	11	151	22618	22618	196807	9	36297521	1605	122	122	166971	7
	UPCL	11	39191	1493591	1122418	67117350	45	1946761786	1303	9548	1088252	15746090	11