

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of November 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
							Nos.		Min				Nos.
1	Raipur Dehradun	11	122	9817	9817	260457	27	5011850	511	65	9817	162477	17
2	Mohanpur	11	0	5124	2818	0	0	0	0	0	2818	0	0
3	Vikasnagar	11	214	18920	15753	476639	25	11908305	629	7	15753	27034	1
4	Rishikesh	11	175	10453	10453	201672	19	4072424	390	25	3455	29047	3
5	Uttarkashi	11	83	17327	13026	134185	8	303805	18	0	13026	0	0
6	Doiwala	11	94	3966	3966	135419	34	2230371	562	49	3966	67667	17
7	Dehradun (North)	11	546	46183	46183	748626	16	15956227	346	376	46177	532490	12
8	Dehradun (South)	11	355	85770	85770	823988	10	15799132	184	323	83957	726386	8
9	Dehradun (Central)	11	197	41444	41444	355590	9	7669627	185	175	43659	319533	8
10	Srinagar	11	143	4567	2283	69716	15	1756714	385	3	2283	6850	2
11	Pauri	11	187	16814	4917	134734	8	3500873	208	16	7331	13911	1
12	Tehri	11	413	29942	29942	981484	33	22206372	742	17	29942	43175	1
13	Gopeshwar	11	239	6445	6445	226767	35	5512182	855	61	6445	53263	8
14	Narayanbagar	11	82	2072	2072	116368	56	2548484	1230	24	2072	34860	17
15	Gairsain	11	104	7901	7901	265571	34	4009007	507	9	7901	24071	3
16	Kotdwar	11	257	18687	3826	214857	11	4590934	246	24	3826	13692	1
17	Rudraprayag	11	68	2099	2000	58920	28	872534	416	2	2000	2820	1
18	Roorkee(Urban)	11	450	31395	21995	764360	24	21560765	687	39	21995	50515	2
19	Roorkee(Rural)	11	263	15600	15600	1031900	66	43574500	2793	136	15600	583200	37
20	Ramnagar (Roorkee)	11	338	34700	34700	992120	29	38595985	1112	105	34700	326041	9
21	Bhagwanpur	11	114	2348	2348	267629	114	5376048	2290	6	2170	13020	6
22	Haridwar(Urban)	11	530	1839	1370	30879	17	1078374	586	283	1370	18182	10
23	Haridwar(Rural)	11	39	463	421	16419	35	299752	647	7	421	2947	6
24	Jwalapur	11	240	6193	6193	229251	37	4086654	660	4	6193	5005	1
25	Laksar	11	71	5105	5105	182545	36	9505200	1862	8	5105	20420	4
26	Hadwani (Urban)	11	372	95437	13292	363864	4	9345634	98	96	95437	412301	4
27	Haldwani (Rural)	11	60	3788	1598	27053	7	1089031	287	1	1598	1748	0
28	Nainital	11	218	24880	17161	391733	16	10350299	416	62	17161	100605	4
29	Ramnagar	11	178	15995	11225	478445	30	11675835	730	63	15995	296060	19
30	Kashipur	11	213	39753	39753	452199	11	11407195	287	100	39753	193721	5
31	Bazpur	11	273	12807	12807	513214	40	15639872	1221	45	12807	86665	7
32	Jaspur	11	74	11368	11368	226854	20	10672130	939	20	11368	63830	6
33	Rudrapur	11	58	59423	59423	145494	2	727470	12	0	59423	0	0
34	Sitraganj	11	22	6400	6400	32720	5	147600	23	11	6400	15040	2
35	Khatima	11	133	11702	2860	128865	11	3007125	257	10	2860	9460	1
36	Almora	11	380	8177	8177	312867	38	5052787	618	48	8177	35433	4
37	Bageshwar	11	67	4176	4176	279792	58	6456096	1314	20	4176	83520	11
38	Ranikhet	11	98	3206	1895	54668	17	1170961	365	36	1895	18606	6
39	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
40	Pithoragarh	11	331	35394	11515	443669	13	8209168	232	28	8870	28769	1
41	Dharchula	11	222	8479	4109	149493	18	6609622	780	87	4109	57606	7
42	Champawat	11	53	12790	12790	112144	9	26597561	2080	12	12790	43578	3
UPCL		11	8076	778948	594897	12833170	16	360184505	462	2403	674801	4523547	6

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

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.	Nos.						
1	Raipur Dehradun	11	553	32745	32403	1105231	34	18667745	570	457	32403	1461190	45
2	Mohanpur	11	323	39122	15169	152847	4	6104207	156	273	15169	118740	3
3	Vikasnagar	11	713	52413	40363	943254	18	24351504	465	7	40363	17935	0
4	Rishikesh	11	258	16714	16714	309397	19	13587223	813	1	787	787	0
5	Uttarkashi	11	160	35952	29711	218718	6	542423	15	0	29711	0	0
6	Doiwala	11	287	12811	12811	398785	31	13477609	1052	128	12811	104583	8
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	584	14445	7223	256646	18	8356094	578	70	7223	25603	2
11	Pauri	11	869	56519	17071	601215	11	17239708	305	88	14687	90663	2
12	Tehri	11	2297	102203	101408	5074189	50	131685585	1288	85	102192	83980	1
13	Gopeshwar	11	558	8437	8437	373892	44	13386304	1587	122	8437	83675	10
14	Narayanbagar	11	289	10044	10044	424686	42	15937666	1587	81	10044	114870	11
15	Gairsain	11	303	16070	16070	468384	29	8852043	551	45	16070	65992	4
16	Kotdwar	11	1773	102801	28782	1194901	12	38562906	375	402	28226	210460	2
17	Rudraprayag	11	471	12930	12930	378960	29	8034940	621	199	12930	149770	12
18	Roorkee(Urban)	11	778	18415	9905	726655	39	29941425	1626	360	9905	339705	18
19	Roorkee(Rural)	11	1754	79631	68468	5243354	66	182340330	2290	485	68468	1486148	19
20	Ramnagar (Roorkee)	11	628	24836	24836	2040742	82	39692220	1598	58	24836	228695	9
21	Bhagwanpur	11	1450	48766	48766	3512216	72	70378705	1443	259	46632	584028	12
22	Haridwar(Urban)	11	74	144	114	5640	39	233697	1623	95	114	10232	71
23	Haridwar(Rural)	11	4	977	888	1940	2	79078	81	12	888	5492	6
24	Jwalapur	11	92	2970	2970	81840	28	3260400	1098	0	2970	0	0
25	Laksar	11	1090	49440	49440	3410670	69	147581460	2985	127	49440	272940	6
26	Haldwani (Urban)	11	160	10424	1555	87798	8	1532800	147	15	10424	44843	4
27	Haldwani (Rural)	11	1187	201718	88698	1948609	10	41180435	204	208	88698	958194	5
28	Nainital	11	464	44281	17260	348671	8	4088087	92	130	17260	89893	2
29	Ramnagar	11	629	23035	17569	931801	40	23185981	1007	168	23035	290854	13
30	Kashipur	11	536	38042	35685	1048717	28	48268342	1269	191	35685	351014	9
31	Bazpur	11	587	29521	29521	1614246	55	63052078	2136	121	29521	299821	10
32	Jaspur	11	711	35034	35034	1382014	39	84178306	2403	223	35034	469472	13
33	Rudrapur	11	92	100462	100462	234645	2	1173225	12	10	100462	36088	0
34	Sitraganj	11	174	30864	30864	328688	11	1741760	56	49	30864	84912	3
35	Khatima	11	887	44149	10381	765827	17	24466708	554	48	10381	34777	1
36	Almora	11	1386	10492	10492	587727	56	10667312	1017	105	10077	48903	5
37	Bageshwar	11	990	38947	38947	2016091	52	37319946	958	169	38947	340853	9
38	Ranikhet	11	1045	11741	6800	327197	28	5837618	497	114	6800	42081	4
39	Bhikiyasain	11	861	7901	7901	303170	38	6458702	817	129	7901	53494	7
40	Pithoragarh	11	1099	55614	19692	621412	11	14972389	269	85	11452	41652	1
41	Dharchula	11	677	24162	9046	320334	13	18385380	761	330	9046	160909	7
42	Champawat	11	132	22618	22618	173112	8	31974821	1414	48	22618	71560	3
UPCL		11	26925	1467391	1037048	39964220	27	1210777162	825	5497	1022511	8874808	6