

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of September 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			
						$\sum Ai \times Ni$ 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	210	9817	9817	417515	43	12097399	1232	122	9817	188125	19
2	Mohanpur	11	39	5124	2818	109910	21	4128663	806	9	2818	25364	5
3	Vikasnagar	11	265	18751	15699	582418	31	19572276	1044	13	15699	40416	2
4	Rishikesh	11	293	17394	17394	475982	27	22196726	1276	32	17394	46626	3
5	Uttarkashi	11	87	17327	13026	148558	8	265973	15	0	13026	0	0
6	Doiwala	11	164	4288	4288	241355	56	7570011	1765	67	4288	102441	24
7	Dehradun (North)	11	714	45821	45821	986526	22	25597443	559	642	45530	867392	19
8	Dehradun (South)	11	796	85770	85770	1966862	23	50840079	593	479	83957	1072508	13
9	Dehradun (Central)	11	598	57418	57418	1182811	21	56383902	982	411	57418	736099	13
10	Srinagar	11	180	4372	2186	89392	20	2833256	648	5	2186	3142	1
11	Pauri	11	220	16814	4917	151780	9	3750641	223	26	7331	24658	1
12	Tehri	11	303	29942	29942	937783	31	25059180	837	0	29942	0	0
13	Gopeshwar	11	338	5117	5117	242929	47	5785815	1131	142	5117	101246	20
14	Narayanbagar	11	102	2072	2072	118524	57	8167169	3942	10	2072	14644	7
15	Gairsain	11	152	7901	7901	380803	48	8842833	1119	18	7901	45384	6
16	Kotdwar	11	458	18154	8609	716209	39	21084550	1161	46	8609	52992	3
17	Rudraprayag	11	94	2209	2000	120534	55	3607740	1633	84	2000	60220	27
18	Roorkee(Urban)	11	832	32770	22545	1509450	46	40884250	1248	51	22545	86035	3
19	Roorkee(Rural)	11	410	15600	15600	1627400	104	72703400	4660	148	15600	625200	40
20	Ramnagar (Roorkee)	11	412	24160	24160	1132872	47	42151024	1745	89	24160	238747	10
21	Bhagwanpur	11	121	2348	2348	284062	121	5376048	2290	7	2170	15190	6
22	Haridwar(Urban)	11	825	2316	1765	69087	30	2488189	1074	451	1765	39607	17
23	Haridwar(Rural)	11	24	669	608	14592	22	325888	487	20	608	12160	18
24	Jwalapur	11	482	41444	41444	2908139	70	60245855	1454	0	20722	0	0
25	Laksar	11	128	14640	14640	977760	67	44409600	3033	5	14640	40680	3
26	Hadwani (Urban)	11	893	56274	14905	738171	13	17895116	318	140	14905	101266	2
27	Haldwani (Rural)	11	58	6737	2041	30955	5	892370	132	6	2041	16219	2
28	Nainital	11	224	24871	19363	442732	18	9090264	365	85	19363	177944	7
29	Ramnagar	11	198	15995	11225	561245	35	18970600	1186	102	15995	463040	29
30	Kashipur	11	557	39753	39753	1396092	35	43195647	1087	204	39753	535361	13
31	Bazpur	11	417	12794	12794	809162	63	32357564	2529	102	12794	229122	18
32	Jaspur	11	159	11368	11368	459208	40	24286806	2136	32	11368	97078	9
33	Rudrapur	11	55	59423	59423	121975	2	609875	10	0	59423	0	0
34	Sitraganj	11	24	4640	4640	35520	8	76800	17	9	4640	11520	2
35	Almora	11	544	6543	6543	338838	52	6946426	1062	57	6543	34436	5
36	Bageshwar	11	95	4176	4176	396720	95	7888464	1889	3	4176	12528	3
37	Ranikhet	11	55	2397	1928	28622	12	893689	373	32	1928	16475	7
38	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
39	Pithoragarh	11	353	34982	10339	432179	12	8096857	231	46	6506	40217	1
40	Dharchula	11	410	8446	4148	290160	34	8468834	1003	96	4148	59988	7
41	Champawat	11	61	12790	12790	128932	10	29911368	2339	28	12790	63930	5
UPCL		11	12350	783427	653342	23603763	30	755948590	965	3819	633689	6297999	8

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of September 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	793	32745	32403	1449935	44	36833395	1125	394	32403	464699	14
2	Mohanpur	11	635	83462	47448	2704307	32	69782451	836	461	47448	1907953	23
3	Vikasnagar	11	803	52413	40363	1082470	21	23788437	454	15	40363	28674	1
4	Rishikesh	11	303	19580	19580	386990	20	21062872	1076	1	19580	969	0
5	Uttarkashi	11	112	35952	29711	148772	4	455796	13	0	29711	0	0
6	Doiwala	11	455	11284	11284	680289	60	21736061	1926	187	11284	217111	19
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	1030	12793	6397	369147	29	14126322	1104	191	6397	64129	5
11	Pauri	11	1131	53831	17001	833023	15	22376847	416	249	14687	278433	5
12	Tehri	11	2523	102203	101408	5702203	56	189216571	1851	1	102192	1732	0.02
13	Gopeshwar	11	744	7676	7676	419721	55	19753960	2573	259	7676	143319	19
14	Narayanbagar	11	392	10044	10044	572408	57	31965193	3183	79	10044	117726	12
15	Gairsain	11	468	16070	16070	641407	40	21358354	1329	69	16070	85198	5
16	Kotdwar	11	2852	104386	33792	2243433	21	69088010	662	567	33792	349864	3
17	Rudraprayag	11	885	12510	12510	682430	55	17525360	1401	490	12430	354580	28
18	Roorkee(Urban)	11	1019	17095	10015	928105	54	55526750	3248	355	9905	351960	21
19	Roorkee(Rural)	11	2594	79631	68468	7640216	96	405707510	5095	629	68468	2032232	26
20	Ramnagar (Roorkee)	11	705	26466	26466	2723829	103	85980215	3249	61	26466	236130	9
21	Bhagwanpur	11	1603	48766	48766	3921269	80	73023581	1497	299	46632	668663	14
22	Haridwar(Urban)	11	145	175	133	11899	68	563631	3221	119	133	12201	70
23	Haridwar(Rural)	11	25	1029	935	10302	10	695618	676	29	935	12824	12
24	Jwalapur	-	-	-	-	-	-	-	-	-	-	-	-
25	Laksar	11	1480	109022	109022	12055768	111	606269219	5561	122	109022	564904	5
26	Haldwani (Urban)	11	242	6445	1321	113644	18	2308801	358	40	1347	18264	3
27	Haldwani (Rural)	11	1932	190360	90358	3311947	17	92923790	488	415	90358	1858194	10
28	Nainital	11	693	44271	16564	452237	10	15449985	349	342	16564	242134	5
29	Ramnagar	11	1050	23035	17569	1333813	58	42201025	1832	377	23035	693296	30
30	Kashipur	11	986	38042	35685	1999927	53	131146633	3447	318	35685	527340	14
31	Bazpur	11	791	29366	29366	2206192	75	114436321	3897	129	29366	332733	11
32	Jaspur	11	1063	35034	35034	2221475	63	146014160	4168	297	35034	581593	17
33	Rudrapur	11	74	100462	100462	189185	2	945925	9	10	100462	36088	0.36
34	Sitraganj	11	169	30864	30864	323920	10	1031920	33	56	30864	97632	3
35	Almora	11	1923	8487	8487	648276	76	14991639	1766	191	8487	69240	8
36	Bageshwar	11	2021	38897	38897	4065274	105	106528730	2739	283	38897	583309	15
37	Ranikhet	11	1272	9215	6980	403076	44	9351397	1015	194	6980	70728	8
38	Bhikiyasain	11	1643	7597	7597	558656	74	18733580	2466	198	7597	73212	10
39	Pithoragarh	11	1317	55802	19074	633613	11	19204589	344	173	9684	64644	1
40	Dharchula	11	1205	23910	8873	602223	25	23286876	974	517	8873	223572	9
41	Champawat	11	175	22618	22618	239851	11	33933734	1500	82	22618	106446	5
	UPCL	11	37253	1501538	1119241	64511231	43	2559325257	1704	8199	1111489	13471725	9