

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of April 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	110	9817	9817	240565	25	4677448	476	121	9817	251192	26
2	Mohanpur	11	-	-	-	-	-	-	-	-	-	-	-
3	Vikasnagar	11	199	17673	14634	550501	31	9166485	519	6	14634	23172	1
4	Rishikesh	11	486	16807	15898	450074	27	4298357	256	81	15898	64204	4
5	Uttarkashi	11	336	17327	13026	520116	30	1440564	83	4	13026	5495	0.3
6	Doiwala	11	174	244	244	17358	71	5180	21	17	244	1198	5
7	Dehradun (North)	11	504	46183	46183	694592	15	17592952	381	475	46038	625780	14
8	Dehradun (South)	11	574	79470	79470	1446267	18	28225580	355	429	77657	903343	11
9	Dehradun (Central)	11	308	54314	54314	663717	12	20508423	378	293	54314	595281	11
10	Srinagar	11	184	4049	2024	87870	22	2980947	736	37	2024	21587	5
11	Pauri	11	166	16786	4887	113322	7	1247140	74	19	7331	36754	2
12	Tehri	11	114	29942	29942	236176	8	6190471	207	39	29942	103595	3
13	Gopeshwar	11	308	5992	5992	359527	60	12842276	2143	79	5992	72939	12
14	Narayanbagar	11	61	2072	2072	62482	30	3529470	1703	6	2072	9072	4
15	Gairsain	11	212	7901	7901	526018	67	19342807	2448	14	7901	37034	5
16	Kotdwar	11	362	18154	5562	423902	23	6847308	377	27	5562	30144	2
17	Rudraprayag	11	28	621	58	342	1	15654	25	40	100	1205	2
18	Roorkee(Urban)	11	728	32880	32880	1865285	57	61763955	1878	62	32880	151460	5
19	Roorkee(Rural)	11	174	13200	13200	834900	63	36004000	2728	90	13100	453000	34
20	Ramnagar (Roorkee)	11	419	22592	22592	1033410	46	12297487	544	70	22592	157859	7
21	Bhagwanpur	11	165	2105	2170	347286	165	7193550	3418	7	2170	15190	7
22	Haridwar(Urban)	11	655	2190	1641	52836	24	1624492	742	313	1641	24712	11
23	Haridwar(Rural)	11	56	1877	1707	54105	29	1531958	816	48	1707	47978	26
24	Laksar	11	29	2200	2200	33460	15	5776	3	18	2200	20840	9
25	Hadwani (Urban)	11	845	56274	13694	612186	11	12150158	216	127	13694	79818	1
26	Haldwani (Rural)	11	98	7275	3319	107113	15	2195188	302	13	3319	16028	2
27	Nainital	11	218	24855	18926	426105	17	13910610	560	87	18926	168408	7
28	Ramnagar	11	163	15995	12225	502635	31	5971210	373	62	15995	271405	17
29	Kashipur	11	474	30695	30695	1450516	47	64314185	2095	135	30695	403024	13
30	Bazpur	11	234	12699	12699	404191	32	10945284	862	25	12699	54358	4
31	Jaspur	11	96	11368	11368	278930	25	8638716	760	10	11368	30576	3
32	Rudrapur	11	74	59423	59423	172693	3	879185	15	0	59423	0	0
33	Sitraganj	11	53	21506	21309	62928	3	640592	30	45	21309	57094	3
34	Almora	11	712	6458	6458	430562	67	8326200	1289	9	6458	5362	1
35	Bageshwar	11	87	4168	4168	362616	87	6106120	1465	9	4168	37512	9
36	Ranikhet	11	146	2851	2591	134613	47	2083254	731	35	2591	18691	7
37	Pithoragarh	11	482	32775	7915	560455	17	24457740	746	46	6921	50240	2
38	Dharchula	11	352	8284	4020	238940	29	10854820	1310	105	4020	63945	8
39	Champawat	11	60	12790	12790	131380	10	27055779	2115	42	12790	75054	6
	UPCL	11	10446	711811	590013	16489974	23	457861322	643	3045	593217	4984550	7

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of April 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	742	32745	33003	1419106	43	28090147	858	641	33003	2199396	67
2	Mohanpur	11	729	82069	25921	1927121	23	36722183	447	340	25921	677637	8
3	Vikasnagar	11	691	52408	40354	1056291	20	15805790	302	27	40354	74403	1
4	Rishikesh	11	374	12187	11348	361731	30	2009114	165	46	11348	43959	4
5	Uttarkashi	11	853	35952	29711	1147915	32	3473656	97	11	29711	15141	0.4
6	Doiwala	11	447	616	616	30718	50	33964	55	129	616	9577	16
7	Dehradun (North)	-	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (South)	-	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (Central)	-	-	-	-	-	-	-	-	-	-	-	-
10	Srinagar	11	860	11984	5992	302378	25	12208403	1019	139	5992	44396	4
11	Pauri	11	1019	53765	16977	718160	13	19627020	365	234	14631	210727	4
12	Tehri	11	2072	101312	100517	4942312	49	159980110	1579	123	101301	174682	2
13	Gopeshwar	11	677	6737	6737	456093	68	23953424	3556	203	6737	119594	18
14	Narayanbagar	11	441	10044	10044	601814	60	49105115	4889	106	10044	154142	15
15	Gairsain	11	427	16070	16070	589809	37	32916411	2048	82	16070	124685	8
16	Kotdwar	11	1878	95334	26457	1430369	15	43865321	460	431	26454	258527	3
17	Rudraprayag	11	289	6144	1237	17836	3	1527746	249	336	1242	21593	4
18	Roorkee(Urban)	11	1015	18195	18195	1824925	100	86670300	4763	399	18195	697875	38
19	Roorkee(Rural)	11	2271	79031	68958	6436720	81	303814850	3844	474	69558	1433746	18
20	Ramnagar (Roorkee)	11	516	22110	22110	1643890	74	32004850	1448	58	22110	308140	14
21	Bhagwanpur	11	1997	45631	45744	3882629	85	111181725	2437	578	45744	1140089	25
22	Haridwar(Urban)	11	116	167	155	11544	69	245452	1470	104	155	11851	71
23	Haridwar(Rural)	11	67	1402	1274	44242	32	872860	623	38	1274	15756	11
24	Laksar	11	1079	49161	49161	3845576	78	2476404	50	333	49161	1025583	21
25	Haldwani (Urban)	11	147	5878	1393	66688	11	1774431	302	31	1334	13118	2
26	Haldwani (Rural)	11	1944	188147	85809	2904939	15	59763322	318	351	85809	686991	4
27	Nainital	11	376	44251	16028	240454	5	13581370	307	330	16028	186493	4
28	Ramnagar	11	807	23035	22754	1623701	70	42571183	1848	224	23035	473621	21
29	Kashipur	11	944	34142	34142	2003071	59	120233340	3522	230	34142	457066	13
30	Bazpur	11	566	35310	35310	1531790	43	89990586	2549	55	35310	151104	4
31	Jaspur	11	487	35034	35034	911462	26	45557470	1300	137	35034	279727	8
32	Rudrapur	11	119	100462	100462	299082	3	1495410	15	10	100462	36088	0.4
33	Sitraganj	11	96	32656	32656	213168	7	1468480	45	49	32656	106576	3
34	Almora	11	1676	14540	14540	1091775	75	23637553	1626	43	14540	28613	2
35	Bageshwar	11	1498	38790	38790	3104363	80	65472227	1688	283	38790	534595	14
36	Ranikhet	11	1511	9246	7369	480950	52	13802628	1493	251	7369	98603	11
37	Pithoragarh	11	1502	54076	20153	838052	15	28989485	536	182	7438	69554	1
38	Dharchula	11	1143	23240	9033	620699	27	41405149	1782	388	9033	192230	8
39	Champawat	11	170	22618	22618	215521	10	45809235	2025	92	22618	129707	6
	UPCL	11	31546	1394489	1006671	48836894	35	1562136713	1120	7488	993219	12205584	9