

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of May 2023

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	75	7239	5067	140212	19	3844324	531	33	5067	83387	12
2	Mohanpur	11	7	5620	3091	21637	4	593472	106	3	3091	9273	2
3	Vikasnagar	11	330	46556	25317	1262906	27	28638343	615	6	25317	24221	1
4	Rishikesh	11	642	19015	11409	384183	20	13063503	687	19	11409	10222	1
5	Uttarkashi	11	74	8288	7619	113249	14	658496	79	5	7619	6546	1
6	Barkot	11	21	2370	849	17829	8	372711	157	8	849	6792	3
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	1276	3504	2803	120961	35	2054118	586	469	2803	43381	12
9	Dehradun (South)	11	1801	112477	70861	2289984	20	53380784	475	365	70861	514559	5
10	Dehradun (Central)	11	750	4202	3362	73341	17	2321421	552	376	3362	37451	9
11	Srinagar	11	242	18888	9444	250560	13	13595128	720	17	9444	23245	1
12	Pauri	11	173	16929	5710	161380	10	5866600	347	30	5710	27700	2
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	174	29942	17965	359304	12	11762415	393	482	17965	577282	19
15	Gopeshwar	11	616	6445	3867	298035	46	7284378	1130	48	3867	28955	4
16	Narayanbagar	11	85	1760	1042	46310	26	1974342	1122	15	1042	7934	5
17	Gairsain	11	244	10594	6356	343581	32	8156091	770	33	6356	49046	5
18	Kotdwar	11	685	56803	37374	1085861	19	55285766	973	960	37374	1480257	26
19	Rudraprayag	11	199	4627	2816	94081	20	1707367	369	18	2816	6405	1
20	Roorkee(Urban)	11	1590	21430	15001	900060	42	22394350	1045	75	15001	114651	5
21	Roorkee(Rural)	11	786	24045	18034	937755	39	60497220	2516	72	18034	162306	7
22	Ramnagar (Roorkee)	11	562	20856	15546	728055	35	24936534	1196	122	15546	158048	8
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	644	3168	2108	44378	14	1212154	383	111	2108	7517	2
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	659	23646	16470	564573	24	8968825	379	21	16470	18644	1
27	Laksar	11	78	13360	6680	283140	21	5816850	435	14	6680	48500	4
28	Hadwani (Urban)	11	1076	124318	17807	1154646	9	22637328	182	162	17807	160873	1
29	Haldwani (Rural)	11	174	13939	6859	278773	20	7429044	533	14	6859	32959	2
30	Nainital	11	292	28575	23432	408973	14	14924462	522	90	23432	134164	5
31	Ramnagar	11	252	21573	8229	381813	18	8575411	398	76	8229	124751	6
32	Kashipur	11	639	39753	19081	1219386	31	41636078	1047	224	19081	438641	11
33	Bazpur	11	348	14409	8626	490749	34	16233332	1127	52	8626	75475	5
34	Jaspur	11	43	11368	7958	86058	8	8452506	744	19	7958	39050	3
35	Rudrapur-I	11	1034	35990	25193	863760	24	41604440	1156	54	25193	100200	3
36	Rudrapur-II	11	822	37237	26066	744740	20	52570522	1412	28	26066	56090	2
37	Sitraganj	11	132	10517	4733	158162	15	9072886	863	0	4733	0	0
38	Khatima	11	252	11337	3522	241458	21	4884750	431	0	3522	0	0
39	Almora	11	502	8405	5043	220307	26	7926323	943	80	5043	29825	4
40	Bageshwar	11	144	5313	2794	191174	36	3928486	739	60	2794	73817	14
41	Ranikhet	11	97	186	130	3137	17	63349	341	33	130	1036	6
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	543	37913	12390	773197	20	15077229	398	57	12390	90099	2
44	Dharchula	11	262	10900	7345	210553	19	4151231	381	45	7345	14255	1
45	Champawat	11	141	12248	4062	117649	10	5006374	409	54	4062	44107	4
	UPCL	11	18466	885744	472061	18065910	20	598558941	676	4350	472061	4861662	5

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of May 2023

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.					
1	Raipur Dehradun	11	799	41049	28734	1211618	30	20422978	498	470	28734	501283	12
2	Mohanpur	11	855	43900	25317	1581662	36	34059164	776	435	25317	720860	16
3	Vikasnagar	11	1128	119431	68792	3304650	28	67506832	565	18	68792	73035	1
4	Rishikesh	11	230	13614	8169	230704	17	6505931	478	0	8169	0	0
5	Uttarkashi	11	259	19948	18048	276166	14	2636950	132	18	18048	18226	1
6	Barkot	11	668	24419	20198	570644	23	7355350	301	503	20198	406146	17
7	Doiwala	11	575	25514	17860	659329	26	10591231	415	78	17860	66232	3
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	2438	59279	29639	1775520	30	70495754	1189	404	29639	351075	6
12	Pauri	11	895	68519	19445	716979	10	15640595	228	332	19445	284805	4
13	Nainidanda	11	786	28048	12628	232616	8	6076575	217	362	12628	225329	8
14	Tehri	11	1258	105212	63127	1999028	19	147264908	1400	1598	63127	1472968	14
15	Gopeshwar	11	1470	9878	5927	604815	61	17944936	1817	317	5927	135944	14
16	Narayanbagar	11	795	11506	6431	522501	45	15493466	1347	171	6431	111452	10
17	Gairsain	11	923	29534	17720	781670	26	28740436	973	113	17720	138445	5
18	Kotdwar	11	1794	33774	7118	779294	23	18877445	559	547	7118	291634	9
19	Rudraprayag	11	1327	14256	7628	486755	34	12704920	891	169	7628	82219	6
20	Roorkee(Urban)	11	1855	23870	16709	883190	37	49554120	2076	510	16709	572880	24
21	Roorkee(Rural)	11	3615	84482	63362	3463762	41	258176992	3056	618	63362	1631572	19
22	Ramnagar (Roorkee)	11	757	28949	20245	1021698	35	22922739	792	267	20245	360361	12
23	Bhagwanpur	11	3010	4019	2411	164962	41	7580291	1886	716	2411	39240	10
24	Haridwar(Urban)	11	612	407	210	25206	62	683370	1679	166	210	6090	15
25	Haridwar(Rural)	11	160	10544	7668	191700	18	6674754	633	28	7668	33548	3
26	Jwalapur	11	1275	29807	14875	900159	30	27855001	935	50	14875	18308	1
27	Laksar	11	1491	132426	52375	3925110	30	229036936	1730	137	52375	440752	3
28	Hadwani (Urban)	11	289	18129	1956	198126	11	4747608	262	45	1956	31443	2
29	Haldwani (Rural)	11	2256	260908	135200	4174533	16	116995423	448	675	135200	1670643	6
30	Nainital	11	908	47630	17781	592505	12	21003019	441	307	17781	193601	4
31	Ramnagar	11	1340	29804	16271	957064	32	35378943	1187	302	16271	239042	8
32	Kashipur	11	1984	55894	24146	2244923	40	96222724	1722	716	24146	759702	14
33	Bazpur	11	2142	41064	19779	2009573	49	101594030	2474	237	19779	297353	7
34	Jaspur	11	603	33154	23117	914593	28	49567796	1495	277	23117	408519	12
35	Rudrapur-I	11	428	14450	10115	375700	26	18756100	1298	29	10115	49140	3
36	Rudrapur-II	11	1774	42191	29534	1181348	28	71260599	1689	38	29534	80270	2
37	Sitraganj	11	1052	39767	17895	1092221	27	76398609	1921	0	17895	0	0
38	Khatima	11	846	49138	16737	997282	20	20863060	425	0	16737	0	0
39	Almora	11	1912	10996	5938	396116	36	14521133	1321	415	5938	95476	9
40	Bageshwar	11	2484	46817	25281	2181049	47	16910176	361	627	25281	611507	13
41	Ranikhet	11	1185	617	389	17835	29	651976	1057	564	389	8719	14
42	Bhikiyasain	11	1318	9456	3782	166930	18	5503970	582	347	3782	46358	5
43	Pithoragarh	11	2909	59533	26661	1563499	26	41791816	702	516	26661	298256	5
44	Dharchula	11	685	24210	12590	485012	20	23121351	955	245	12590	43212	2
45	Champawat	11	834	36548	11203	460936	13	8970301	245	240	11203	134528	4
UPCL		11	53924	1782691	933012	46318980	26	1809060307	1015	13607	933012	12950173	7