

Format-1 Consumer Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2022-23 (July-2022)

Sl no	DISCOM	Name of the Circle/Area	Type of the Circle/Area (R/U)	Total Nos of feeders (U/R) in the Circle Area	Total Nos of Consumers (U/R) in the feeders in the Circle Area	Nos of interruptions (>3 min/ 5 min/ 10 min)	Duration of interruptions (>3 min/5 min/10 min)	Nos of consumers in the affected feeders	SAIFI	SAIDI	CAIDI	Nos of momentary Interrptions (<3min/5min/10min @	No of consumers in the interrupted feeders	MAIFI	RI
				Ct	Ni	Ti	Ci	$\sum Ni \cdot Ci / Ct$	$\sum Ti \cdot Ci / Ct$	SAIDI/SAIFI	Mi	Ci	$\sum Mi \cdot Ci / Ct$	12=(1-7/24*30)	
				1	2	3	4	5=2	6=(3X5/2)/1	7=(4X5/2)/1	8=7/6	9	10=2	11=(9X10/2)/1	
1	BESCOM	Bangalore NORTH	Urban	321	1342796	2421	1014.61	1342796	7.54	3.16	0.42	1186	1342796	3.69	99.58
2		Bangalore EAST		463	1488618	4098	1405.60	1488618	8.85	3.04	0.34	14	1488618	0.03	99.59
3		Bangalore WEST		237	1142344	3500	184.37	1142344	14.77	0.78	0.05	1667	1142344	7.03	99.90
4		Bangalore SOUTH		673	1887288	1812	804.96	1887288	2.69	1.20	0.44	504	1887288	0.75	99.84
5		Davangere		72	415247	1442	1204.05	415247	20.03	16.72	0.83	1071	415247	14.88	97.75
6		Tumkur		77	324295	1518	1501.25	324295	19.71	19.50	0.99	2053	324295	26.66	97.38
7		Bangalore Rural		307	684655	3586	2117.52	684655	11.68	6.90	0.59	828	684655	2.70	99.07
8		Ramanagara		318	721123	5503	1310.25	721123	17.31	4.12	0.24	2485	721123	7.81	99.45
9		Kolar		103	410875	2455	1148.01	410875	23.83	11.15	0.47	374	410875	3.63	98.50
10	BESCOM	Davangere	Rural	1032	1084370	25738	37192.37	1084370	24.94	36.04	1.45	47776	1084370	46.29	95.16
11		Tumkur		1103	1120424	27484	37190.84	1120424	24.92	33.72	1.35	32335	1120424	29.32	95.47
12		Bangalore Rural		129	119220	3025	2199.95	119220	23.45	17.05	0.73	1444	119220	11.19	97.71
13		Ramanagara		412	338403	12977	10447.90	338403	31.50	25.36	0.81	6145	338403	14.92	96.59
14		Kolar		678	880090	18866	11021.49	880090	27.83	16.26	0.58	923	880090	1.36	97.82


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Format 2: Load Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2022-23 (July-2022)

Sl no	DISCOM	Name of the Circle/Area	Type of the Circle/Area (R/U)	Total Nos of feeders (U/R) in the Circle Area	Total Nos of Consumers (U/R) in the feeders in the Circle Area	Total connected Load (In KWs) (U/R) in the feeders in the Circle Area	Nos of interruptions (>3 min/ 5 min/ 10 min)	Duration of interruptions (>3 min/5 min/10 min)	Affected Load in the feeders	SAIFI	SAIDI	CAIDI	Nos of momentary Interruptions (<3min/5min in/10min) only numbers	Affected load (KW) in the feeders	MAIFI	RI
					Ct	Li	Ni	Ti	Li	Ni*Li/Ct	ΣTi*Li/Ct	SAIDI/ SAIFI	Mi	LI	ΣMI*Li/Ct	12={1-7/24*30}
					1	2	3	4	5	6=3	7={4X6/3}/1	8={5X6/3}/1	9=8/7	10	11=3	12={10X11/3}/1
1	BESCOM	Bangalore NORTH	Urban	321	1342796	2772950	2421	1014.61	2772950	7.54	3.16	0.42	1186	2772950	3.69	99.56
2		Bangalore EAST		463	1488618	4266339	4098	1405.60	4266339	8.85	3.04	0.34	14	4266339	0.03	99.59
3		Bangalore WEST		237	1142344	3004381	3500	184.37	3004381	14.77	0.78	0.05	1667	3004381	7.03	99.90
4		Bangalore SOUTH		673	1887288	5861184	1812	804.96	5861184	2.69	1.20	0.44	504	5861184	0.75	99.84
5		Davangere		72	415247	482676	1442	1204.05	482676	20.03	16.72	0.83	1071	482676	14.88	97.75
6		Tumkur		77	324295	369041	1518	1501.25	369041	19.71	19.50	0.99	2053	369041	26.66	97.38
7		Bangalore Rural		307	684655	1704467	3586	2117.52	1704467	11.68	6.90	0.59	828	1704467	2.70	99.07
8		Ramanagara		318	721123	721115	5503	1310.25	721115	17.31	4.12	0.24	2485	721115	7.81	99.45
9		Kolar		103	410875	460514	2455	1148.01	460514	23.83	11.15	0.47	374	460514	3.63	98.50
10		BESCOM		Davangere	Rural	1032	1084370	2918303	25738	37192.37	2918303	24.94	36.04	1.45	47776	2918303
11	Tumkur		1103	1120424		1311158	27484	37190.84	1311158	24.92	33.72	1.35	32335	1311158	29.32	95.47
12	Bangalore Rural		129	119220		656889	3025	2199.95	656889	23.45	17.05	0.73	1444	656889	11.19	97.71
13	Ramanagara		412	338403		338478	12977	10447.90	338478	31.50	25.36	0.81	6145	338478	14.92	96.59
14	Kolar		678	880090		2093105	18866	11021.49	2093105	27.83	16.26	0.58	923	2093105	1.36	97.82


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