

**Format-1 Consumer Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2021-22 ( June 2021)**

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 $\frac{\sum Ni \cdot Ci}{Ct}$	SAIDI $\frac{\sum Ti \cdot Ci}{Ct}$	CAIDI $\frac{SAIDI}{SAIFI}$	Nos of momentary interruptions (<3min/5min /10min @)	No of consumers in the interrupted feeders	MAIFI $\frac{\sum Mi \cdot Ci}{Ct}$	RI $\frac{12=1-7/24*31}{11=(9X10/2)/1}$
1	BESCOM	Bangalore NORTH Circle	Urban	1	1333967	3	4	5=2	7.99	7=(4X5/2)/1	8=7/6	9	10=2	5.51	12=1-7/24*31
2		Bangalore EAST Circle		439	1446407	4257	3014.37	1446407.00	9.70	6.87	0.71	13.00	1446407.00	0.03	99.08
3		Bangalore WEST Circle		235	1105772	2985	4100.00	1105772.00	12.70	17.45	1.37	1253.00	1105772.00	5.33	97.65
4		Bangalore SOUTH Circle		652	1841090	4554	2339.36	1841090.00	6.98	3.59	0.51	2222.00	1841090.00	3.41	99.52
5	BESCOM	Davangere Circle	Urban	81	353335	1614	1507.00	353335.00	19.93	18.60	0.93	908.00	353335.00	11.21	97.50
6		Tumakuru Circle		71	259030	2183	724.50	259030.00	30.75	10.20	0.33	61.00	259030.00	0.86	98.63
7		Bangalore Rural Circle		287	641103	5535	4059.63	641103.00	19.29	14.15	0.73	3652.00	641103.00	12.72	98.10
8		Ramanagara Circle		284	719903	5440	3324.00	719903.00	19.15	11.70	0.61	2073.00	719903.00	7.30	98.43
9	BESCOM	Kolar Circle	Rural	81	384356	1689	1745.80	384356.00	20.85	21.55	1.03	175.00	384356.00	2.16	97.10
10		Davangere Circle		989	1010439	26533	71068.00	1010439.00	26.83	71.86	2.68	50952.00	1010439.00	51.52	90.34
11		Tumakuru Circle		1027	1083144	42182	53023.51	1083144.00	41.07	51.63	1.26	260.00	1083144.00	0.25	93.06
12		Bangalore Rural Circle		128	115225	3314	3364.83	115225.00	25.89	26.29	1.02	3198.00	115225.00	24.98	96.47
13	BESCOM	Ramanagara Circle	Rural	389	337571	15780	15261.00	337571.00	40.57	39.23	0.97	8214.00	337571.00	21.12	94.73
14		Kolar Circle		789	895036	19362	20920.07	895036.00	24.54	26.51	1.08	1355.00	895036.00	1.72	96.44

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 ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ಸಂಸ್ಥೆ


  
 Assistant General Manager (Elec.)  
 Operations, BESCOM  
 Corporate Office, K. R. Circle  
 Bangalore - 560 001



**Format 2: Load Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2020-21. (June 2021)**

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 KW) 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 $M^*Li/Ct$ $7=(4X6/3)/1$	SAIDI $\sum TH^*Li/Ct$ $8=(5X6/3)/1$	CAIDI SAIDI/SAIFI	Nos of momentary interruptions (<3min/5min/10min) only	Affected load (KW) in the feeders	MAIFI $\sum MI^*Li/Ct$ $12=(10X11/3)/1$	RI $12=(1-7/24*31)$
1	BESCOM	Bangalore NORTH Circle	Urban	303	1333967	2335263.24	4	1015.19	2335263.24	7.99	3.35	0.42	10	2335263.24	5.51	99.55
2		Bangalore EAST Circle		439	1446407	5110579	4257	3014.37	5110579.00	9.70	6.87	0.71	13.00	5110579.00	0.03	99.08
3		Bangalore WEST Circle		235	1105772	3373470	2985	4100.00	3373470.00	12.70	17.45	1.37	1253.00	3373470.00	5.33	97.65
4		Bangalore SOUTH Circle		652	1841090	5655477	4554	2339.36	5655477.00	6.98	3.59	0.51	2222.00	5655477.00	3.41	99.52
5	BESCOM	Davangere Circle	Urban	81	353335	476883	1614	1507.00	476883.00	19.93	18.60	0.93	908.00	476883.00	11.21	97.50
6		Tumakuru Circle		71	259030	594646	2183	724.50	594646.00	30.75	10.20	0.33	61.00	594646.00	0.86	98.63
7		Bangalore Rural Circle		287	641103	1566482	5535	4059.63	1566482.00	19.29	14.15	0.73	3652.00	1566482.00	12.72	98.10
8		Ramanagara Circle		284	719903	14056340	5440	3324.00	14056339.95	19.15	11.70	0.61	2073.00	14056339.95	7.30	98.43
9	BESCOM	Kolar Circle	Rural	81	384356	293808	1689	1745.80	293808.00	20.85	21.55	1.03	175.00	293808.00	2.16	97.10
10		Davangere Circle		989	1010439	2351610	26533	71068.00	2351610.00	26.83	71.86	2.68	50952.00	2351610.00	51.52	90.34
11		Tumakuru Circle		1027	1083144	1688934	42182	53023.51	1688934.00	41.07	51.63	1.26	260.00	1688934.00	0.25	93.06
12		Bangalore Rural Circle		128	115225	620389	3314	3364.83	620389.00	25.89	26.29	1.02	3198.00	620389.00	24.98	96.47
13	BESCOM	Ramanagara Circle	Rural	389	337571	8809878	15780	15261.00	8809878.30	40.57	39.23	0.97	8214.00	8809878.30	21.12	94.73
14		Kolar Circle		789	895036	364018	19362	20920.07	364018.00	24.54	26.51	1.08	1355.00	364018.00	1.72	96.44

  
 Assistant General Manager (Elect)  
 Operations, BESCOM  
 Corporate Office, K. R. Circle  
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 20/09

  
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