

Consumer Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2019-20.


Format-1

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	RI
				Ct	Ni	Ti	Ci	$\sum Ni \cdot Ci / Ct$	$\sum Ti \cdot Ci / Ct$	SAIDI / SAIFI	10= (1- SAIDI/ 8760)	
				1	2	3	4	5	6= $\sum 4 \times 5 / 2 / 1$	7= $\sum 4 \times 5 / 2 / 1$		8=7/6
1	BESCOM	Bangalore NORTH Circle	Urban	300	1303745	38935	29868.26	1303745	130	99.56	0.77	98.86
2		Bangalore EAST Circle		412	1412879	51810	55376.80	1412879	126	134.41	1.07	98.47
3		Bangalore WEST Circle		224	1014516	45811	30136.92	1014516	205	134.54	0.66	98.46
4		Bangalore SOUTH Circle		608	1771016	66588	55719.75	1771016	110	91.64	0.84	98.95
5		Davangere Circle		79	335289	39108	20337.46	335289	493	256.35	0.52	97.07
6		Tumakuru Circle		69	240895	20491	11768.30	240895	297	170.56	0.57	98.05
7		Bangalore Rural Circle		256	569099	105826	71116.61	569099	413	277.80	0.67	96.83
8		Ramanagara Circle		252	478753	83530	65537.33	478753	331	260.07	0.78	97.03
9		Kolar Circle		78	238818	38649	25907.57	238818	496	332.15	0.67	96.21
10	BESCOM	Davangere Circle	Rural	880	941948	606002	433202.00	941948	689	492.37	0.71	92.51
11		Tumakuru Circle		970	1116477	338621	214246.00	1116477	349	220.87	0.63	96.64
12		Bangalore Rural Circle		123	99680	82916	92485.08	99680	674	751.91	1.12	91.42
13		Ramanagara Circle		322	341825	149436	98139.45	341825	464	304.78	0.66	96.52
14		Kolar Circle		730	738410	281662	268321.91	738410	386	367.56	0.95	94.41

NOTE:

- BESCOM comprises of total 9 O&M Circles as listed above. With 04 nos of O&M Circles of purely urban load consisting Bangalore City as listed from Sl no:1 to 04 and rest of the 05 O&M Circles consisting both of Urban and Rural feeders are mentioned above from Sl no:5 to 14
- The SAIFI and SAIDI of the concerned circles are calculated considering the total interruptions both Scheduled and Un-scheduled occurred in all the feeders of the concerned circles during the said year.
- SAIDI, SAIFI is calculated for the complete year.


 Assistant General Manager (Elec.)
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 ಉಪ ಪ್ರಧಾನ ವ್ಯವಸ್ಥಾಪಕರು
 ಆಪರೇಷನ್-3, ವಿಗಮ ಕಾರ್ಯಾಲಯ
 ಬೆಂ.ಪಿ.ಕಂ., ಬೆಂಗಳೂರು

Load Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2019-20.

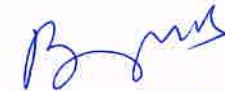
Format-2

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	RI
				Ct	Li	Ni	Ti	Li	$\sum Ni \cdot Li / Ct$	$\sum Ti \cdot Li / Ct$	SAIDI/ SAIFI	10= (1-SAIDI/ 8760)	
				1	2	3	4	5	7= ($\sum 4 \times 6 / 3 / 1$)	8= ($\sum 5 \times 6 / 3 / 1$)	9= 8/7		
1	BESCOM	Bangalore NORTH Circle	Urban	300	1303745	1677906	38935	29868.26	1677906	130	99.56	0.77	98.86
2		Bangalore EAST Circle		412	1412879	4686742	51810	55376.80	4686742	126	134.41	1.07	98.47
3		Bangalore WEST Circle		224	946497	2015921	8590	30514.15	2015921	38	136.22	3.55	98.44
4		Bangalore SOUTH Circle		608	1771016	1724348	66588	55719.75	1724348	110	91.64	0.84	98.95
5		Davangere Circle		79	335289	22615	39108	20337.46472	22615	493	256.35	0.52	97.07
6		Tumakuru Circle		69	240895	141095	20491	11768.3	141095	297	170.56	0.57	98.05
7		Bangalore Rural Circle		256	569009	1389164	105826	71116.61	1389164	413	277.80	0.67	96.83
8		Ramanagara Circle		252	478753	1193450	83530	65537.33	1193450	331	260.07	0.78	97.03
9		Kolar Circle		78	238818	420271	38649	25907.57	420271	496	332.15	0.67	96.21
10	BESCOM	Davangere Circle	Rural	880	941948	100303	606002	433202.02	100303	689	492.37	0.71	92.51
11		Tumakuru Circle		970	1116477	2458189	338621	214246.00	2458189	349	220.87	0.63	96.64
12		Bangalore Rural Circle		123	99680	649914	82916	92485.08	649914	674	751.91	1.12	91.42
13		Ramanagara Circle		322	341825	891548	149436	98139.45	891548	464	304.78	0.66	96.52
14		Kolar Circle		730	738410	1598868	281662	268321.91	1598868	386	367.56	0.95	94.41

NOTE:

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