

Consumer Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2018-19


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	$\frac{\sum Ni \cdot Ci}{Ct}$	$\frac{\sum Ti \cdot Ci}{Ct}$	$\frac{SAIDI}{SAIFI}$	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	286	1266210	37033	26614.63	1266210	129	93.06	0.72	98.94
2		Bangalore EAST Circle		391	1374764	47314	67575.47	1374764	121	172.83	1.43	98.03
3		Bangalore WEST Circle		216	985356	43577	30027.01	985356	202	139.01	0.69	98.41
4		Bangalore SOUTH Circle		546	1697388	68294	54884.00	1697388	125	100.52	0.80	98.85
5		Davangere Circle		77	289736	35338	17688.72	289736	459	229.72	0.50	97.38
6		Tumakuru Circle		67	224172	20554	11413.50	224172	307	170.35	0.56	98.06
7		Bangalore Rural Circle		241	469804	97024	80431.78	469804	403	333.74	0.83	96.19
8		Ramanagara Circle		203	346866	74586	55850.33	346866	367	275.12	0.75	96.86
9		Kolar Circle		86	231635	38199	24845.69	231635	444	288.90	0.65	96.70
10	BESCOM	Davangere Circle	Rural	844	930944	523175	355166.75	930944	620	420.90	0.68	93.59
11		Tumakuru Circle		961	1107130	338740	224695.50	1107130	352	233.81	0.66	96.44
12		Bangalore Rural Circle		142	98483	78038	112332.73	98483	550	791.08	1.44	90.97
13		Ramanagara Circle		257	323427	150645	89623.58	323427	586	348.73	0.59	96.02
14		Kolar Circle		693	716408	231341	235186.39	716408	334	339.37	1.02	94.83

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.)
 Operations, BESCOM
 Corporate Office, K. R. Circle
 Bangalore - 560 001


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

Load Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2018-19

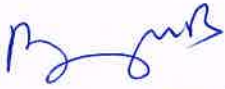
Format-2

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	$\sum Ni*Li/Ct$	$\sum Ti*Li/Ct$	SAIDI/ SAIFI	10= (1-SAIDI/ 8760)	
				1	2	3	4	5	6	7= $(\sum 4x6/3)/1$	8= $(\sum 5x6/3)/1$		9=8/7
1	BESCOM	Bangalore NORTH Circle	Urban	286	1266210	2005204	37033	26614.63	2005204	129	93.06	0.72	98.94
2		Bangalore EAST Circle		391	1374764	8781727	47314	67575.47	8781727	121	172.83	1.43	98.03
3		Bangalore WEST Circle		216	985356	1793821	43577	30027.01	1793821	202	139.01	0.69	98.41
4		Bangalore SOUTH Circle		546	1697388	1724348	68294	54884.00	1724348	125	100.52	0.80	98.85
5		Davangere Circle		77	289736	22615	35338	17688.72	22615	459	229.72	0.50	97.38
6		Tumakuru Circle		67	224172	134336	20554	11413.50	134336	307	170.35	0.56	98.06
7		Bangalore Rural Circle		241	469804	1195059	97024	80431.78	1195059	403	333.74	0.83	96.19
8		Ramanagara Circle		203	346866	1134465	74586	55850.33	1134465	367	275.12	0.75	96.86
9		Kolar Circle		86	231635	466534	38199	24845.69	466534	444	288.90	0.65	96.70
10	BESCOM	Davangere Circle	Rural	844	930944	100303	523175	355166.75	100303	620	420.90	0.68	93.59
11		Tumakuru Circle		961	1107130	2415189	338740	224695.50	2415189	352	233.81	0.66	96.44
12		Bangalore Rural Circle		142	98483	641124	78038	112332.73	641124	550	791.08	1.44	90.97
13		Ramanagara Circle		257	323427	816119	150645	89623.58	816119	586	348.73	0.59	96.02
14		Kolar Circle		693	716408	1598868	231341	235186.39	1598868	334	339.37	1.02	94.83

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
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 Operations, BESCOM
 Corporate Office, K. R. Circle
 Bangalore - 560 001


 ಉಪ ಪ್ರಧಾನ ವ್ಯವಸ್ಥಾಪಕರು
 ಆಪರೇಷನ್-3, ನಿಗಮ ಕಾರ್ಯಾಲಯ
 ಬೆಂ.ವಿ.ಕೆ., ಬೆಂಗಳೂರು