

Format-1 Consumer Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2021-22 (January-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 Interruptions (<3min/5min/10min @)	No of consumers in the interrupted feeders	MAIFI	RI
				Ct	Ct	Ni	Ti	CI	$\sum Ni \cdot Ci / Ct$	$\sum Ti \cdot Ci / Ct$	$\frac{SAIDI}{SAIFI}$	Mi	CI	$\frac{\sum Mi \cdot Ci}{Ct}$	$\frac{12 \cdot (1 - 7/24 \cdot 31)}{1}$
				1	2	3	4	5=2	$6=(3 \times 5/2)/1$	$7=(4 \times 5/2)/1$	$8=7/6$	9	10=2	$11=(9 \times 10/2)/1$	12=11
1	BESCOM	Bangalore NORTH	Urban	315	1324943	2074	1249.38	1324943	6.58	3.97	0.60	681	1324943	2.16	99.47
2		Bangalore EAST		446	1475226	2464	2006.25	1475226	5.52	4.50	0.81	34	1475226	0.08	99.40
3		Bangalore WEST		234	1123961	3202	1466.25	1123961	13.68	6.27	0.46	43	1123961	0.18	99.16
4		Bangalore SOUTH		659	1863039	1957.6	1155.01	1863039	2.97	1.75	0.59	1218	1863039	1.85	99.76
5		Davangere		73	394070	1443	784.44	394070	19.77	10.75	0.54	389	394070	5.33	98.56
6		Tumkur		77	323609	1388	1078.48	323609	18.03	14.01	0.78	1347	323609	17.49	98.12
7		Bangalore Rural		301	663752	3913	5664.48	663752	13.00	18.82	1.45	2341	663752	7.78	97.47
8		Ramanagara		310	720564	3904	2089.15	720564	12.59	6.74	0.54	310	720564	1.00	99.09
9		Kolar		104	404472	2109	1486.06	404472	20.28	14.29	0.70	306	404472	2.94	98.08
10	BESCOM	Davangere	Rural	1007	1101050	24987	30986.03	1101050	24.81	30.77	1.24	15879	1101050	15.77	95.86
11		Tumkur		1074	1115134	23923	27443.30	1115134	22.27	25.55	1.15	16732	1115134	15.58	96.57
12		Bangalore Rural		126	117095	2224	1760.21	117095	17.65	13.97	0.79	1862	117095	14.78	98.12
13		Ramanagara		406	337974	9368	7549.90	337974	23.07	18.60	0.81	3147	337974	7.75	97.50
14		Kolar		660	861907	13282	13012.55	861907	20.12	19.72	0.98	1343	861907	2.03	97.35

[Signature]

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ಅಪರೇಟಿಂಗ್-3, ಶಿಗಮು ಶಾಖಾಲಯ
ಬೆಂ.ವಿ.ಕಂ., ಬೆಂಗಳೂರು

Format 2: Load Affected/Interrupted Basis on the Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas for the period of 2021-22. (January -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/10min) only numbers	Affected load (KW) in the feeders	MAIFI	RI
					Ct	Li	Ni	Ti	Li	$\frac{Ni \cdot Li}{Ct}$	$\frac{\sum Ti \cdot Li}{Ct}$	$\frac{SAIDI}{SAIFI}$	Mi	Li	$\frac{\sum Mi \cdot Li}{Ct}$	$\frac{12 \cdot (10 \times 11 \cdot 3)}{7 \cdot 24 \cdot 31}$
					1	2	3	4	5	6=3	7=(4X6/3)/1	8=(5X6/3)/1	9=8/7	10	11=3	12
1	BESCOM	Bangalore NORTH	Urban	315	1324943	2539728	2074	1249.38	2539728	6.58	3.97	0.60	681	2539728	2.16	99.47
2		Bangalore EAST		446	1475226	4223113	2464	2006.25	4223113	5.52	4.50	0.81	34	4223113	0.08	99.40
3		Bangalore WEST		234	1123961	2801393	3202	1466.25	2801393	13.68	6.27	0.46	43	2801393	0.18	99.16
4		Bangalore SOUTH		659	1863039	5744040	1958	1155.01	5744040	2.97	1.75	0.59	1218	5744040	1.85	99.76
5		Davangere		73	394070	474151	1443	784.44	474151	19.77	10.75	0.54	389	474151	5.33	98.56
6		Tumkur		77	323609	409602	1388	1078.48	409602	18.03	14.01	0.78	1347	409602	17.49	98.12
7		Bangalore Rural		301	663752	1647438	3913	5664.48	1647438	13.00	18.82	1.45	2341	1647438	7.78	97.47
8		Ramanagara		310	720564	720715	3904	2089.15	720715	12.59	6.74	0.54	310	720715	1.00	99.09
9		Kolar		104	404472	585905	2109	1486.06	585905	20.28	14.29	0.70	306	585905	2.94	98.08
10	BESCOM	Davangere	Rural	1007	1101050	2807677	24987	30986.03	2807677	24.81	30.77	1.24	15879	2807677	15.77	95.86
11		Tumkur		1074	1115134	1394412	23923	27443.30	1394412	22.27	25.55	1.15	16732	1394412	15.58	96.57
12		Bangalore Rural		126	117095	648245	2224	1760.21	648245	17.65	13.97	0.79	1862	648245	14.78	98.12
13		Ramanagara		406	337974	338147	9368	7549.90	338147	23.07	18.60	0.81	3147	338147	7.75	97.50
14		Kolar		660	861907	2142292	13282	13012.55	2142292	20.12	19.72	0.98	1343	2142292	2.03	97.35

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