

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Annexure- IV

Performance Report regarding Reliability Indices

Format for Quarterly Reports to be submitted to the Commission by the Distribution Licensee (Dec-2019)

(1) System Average Interruption Duration Index (SAIDI)

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on i th feeder	Ri = Restoration time for each interruption event on i th feeder	Nt = Total number of consumers of the distribution Licensees area	Sum (Ri*Ni) for all feeders excluding argi. Feeders)	SAIDI = (6)/(5) (In minutes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Oct-19	41028457	1210579	22764422	2855631699	125.44
2	Nov-19	30476116	875009	22764422	2123138876	93.27
3	Dec-19	27812588	910018	22764422	2114750197	92.90
	Total	99317161	2995606	68293266	7093520772	103.87

(2) System Average Interruption Frequency Index (SAIFI)

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on ith feeder	Sum of consumers of i feeders which had experienced interruptions = Sum Ni	Nt = Total number of consumers of the distribution Licensees area	SAIFI = (4)/(5)
(1)	(2)	(3)	(4)	(5)	(6)
1	Oct-19	41028457	41028457	22764422	1.80
2	Nov-19	30476116	30476116	22764422	1.34
3	Dec-19	27812588	27812588	22764422	1.22
	Total	99317161	99317161	68293266	1.45

(3) Customer Average Interruption Duration Index (CAIDI)

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Oct-19	125.44	1.80	69.60
2	Nov-19	93.27	1.34	69.67
3	Dec-19	92.90	1.22	76.04
	Total	103.87	1.45	71.42

Note:-

The Indices provided herein are computed based on the data provided by the field offices which is subjected to subsequent corrections if any.