

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-2020)

(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-20	29369452	1036099	23484495	2219398671	94.50
2	Nov-20	20838010	611671	23602770	1375338091	58.27
3	Dec-20	18783555	541244	23602770	1276391344	54.08
	Total	68991017	2189014	70690035	4871128106	68.91

(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-20	29369452	29369452	23484495	1.25
2	Nov-20	20838010	20838010	23602770	0.88
3	Dec-20	18783555	18783555	23602770	0.80
	Total	68991017	68991017	70690035	0.98

(3) Customer Average Interruption Duration Index (CAIDI)

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Oct-20	94.50	1.25	75.57
2	Nov-20	58.27	0.88	66.00
3	Dec-20	54.08	0.80	67.95
	Total	68.91	0.98	70.61

Note:-

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