



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 (Mar-2021)

(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	Jan-21	20455465	563717	23707672	1302094966	54.92
2	Feb-21	18398881	577040	23707672	1297564929	54.73
3	Mar-21	21729573	671946	23707672	1445673912	60.98
	Total	60583919	1812703	71123016	4045333807	56.88

(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	Jan-21	20455465	20455465	23707672	0.86
2	Feb-21	18398881	18398881	23707672	0.78
3	Mar-21	21729573	21729573	23707672	0.92
	Total	60583919	60583919	71123016	0.85

(3) Customer Average Interruption Duration Index (CAIDI)

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Jan-21	54.92	0.86	63.66
2	Feb-21	54.73	0.78	70.52
3	Mar-21	60.98	0.92	66.53
	Total	56.88	0.85	66.77

Note:-

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