



**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-2020)**

**(1) System Average Interruption Duration Index (SAIDI)**

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on i <sup>th</sup> feeder	Ri = Restoration time for each interruption event on i <sup>th</sup> 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-20	32626303	1179311	23023010	2647920142	115.01
2	Feb-20	25113745	741130	23098758	1922686294	83.24
3	Mar-20	32848790	1002033	23098758	2266588357	98.13
	<b>Total</b>	<b>90588838</b>	<b>2922474</b>	<b>69220526</b>	<b>6837194793</b>	<b>98.77</b>

**(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-20	32626303	32626303	23023010	1.42
2	Feb-20	25113745	25113745	23098758	1.09
3	Mar-20	32848790	32848790	23098758	1.42
	<b>Total</b>	<b>90588838</b>	<b>90588838</b>	<b>69220526</b>	<b>1.31</b>

**(3) Customer Average Interruption Duration Index (CAIDI)**

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Jan-20	115.01	1.42	81.16
2	Feb-20	83.24	1.09	76.56
3	Mar-20	98.13	1.42	69.00
	<b>Total</b>	<b>98.77</b>	<b>1.31</b>	<b>75.48</b>

**Note:-**

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