

**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 (Sept-2019)**

**(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	July-19	56946764	1591960	22454250	4067138310	181.13
2	August-19	50354384	1900551	22578314	4292367937	190.11
3	September-19	13660726	1703781	22668871	1213129534	53.52
	<b>Total</b>	<b>120961874</b>	<b>5196292</b>	<b>67701435</b>	<b>9572635781</b>	<b>141.39</b>

**(2) System Average Interruption Frequency Index (SAIFI)**

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on i <sup>th</sup> 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	July-19	56946764	56946764	22454250	2.54
2	August-19	50354384	50354384	22578314	2.23
3	September-19	13660726	13660726	22668871	0.60
	<b>Total</b>	<b>120961874</b>	<b>120961874</b>	<b>67701435</b>	<b>1.79</b>

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

Sr.No.	Month	SAIDI	SAIFI	(CAIDI) =(3)/(4)
(1)	(2)	(3)	(4)	(5)
1	July-19	181.13	2.54	71.42
2	August-19	190.11	2.23	85.24
3	September-19	53.52	0.60	88.80
	<b>Total</b>	<b>141.39</b>	<b>1.79</b>	<b>79.14</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.