

**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 (June-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	Apr-20	36999384	1185281	23163446	2757748374	119.06
2	May-20	38448030	1371291	23188543	3270129152	141.02
3	Jun-20	45494634	1386897	23211599	3615559122	155.77
	<b>Total</b>	<b>120942048</b>	<b>3943469</b>	<b>69563588</b>	<b>9643436648</b>	<b>138.63</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	Apr-20	36999384	36999384	23163446	1.60
2	May-20	38448030	38448030	23188543	1.66
3	Jun-20	45494634	45494634	23211599	1.96
	<b>Total</b>	<b>120942048</b>	<b>120942048</b>	<b>69563588</b>	<b>1.74</b>

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

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Apr-20	119.06	1.60	74.53
2	May-20	141.02	1.66	85.05
3	Jun-20	155.77	1.96	79.47
	<b>Total</b>	<b>138.63</b>	<b>1.74</b>	<b>79.74</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.