



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-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	Jul-20	39424898	1051005	23260917	2557775875	109.96
2	Aug-20	35156311	992541	23319675	2451206367	105.11
3	Sep-20	34958080	968436	23396745	2394554147	102.35
	Total	109539289	3011982	69977337	7403536389	105.80

(2) System Average Interruption Frequency Index (SAIFI)

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on i th 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	Jul-20	39424898	39424898	23260917	1.69
2	Aug-20	35156311	35156311	23319675	1.51
3	Sep-20	34958080	34958080	23396745	1.49
	Total	109539289	109539289	69977337	1.57

(3) Customer Average Interruption Duration Index (CAIDI)

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Jul-20	109.96	1.69	64.88
2	Aug-20	105.11	1.51	69.72
3	Sep-20	102.35	1.49	68.50
	Total	105.80	1.57	67.59

Note:-

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