

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Annexure- VII

Performance Report regarding Reliability Indices

Format for Quarterly Reports to be submitted to the Commission by the Distribution Licensee (Qtr Dec-2024)

(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	Oct-24	135572737	4068923	26082783	5365592454	205.71
2	Nov-24	76408354	3112502	26178068	2318495442	88.57
3	Dec-24	76542094	4755721	26225769	3810317668	145.29
	Total	288523185	11937146	78486620	11494405564	146.45

(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	Oct-24	135572737	135572737	26082783	5.20
2	Nov-24	76408354	76408354	26178068	2.92
3	Dec-24	76542094	76542094	26225769	2.92
	Total	288523185	288523185	78486620	3.68

(3) Customer Average Interruption Duration Index (CAIDI)

Sr.No.	Month	SAIDI	SAIFI	(CAIDI)
(1)	(2)	(3)	(4)	(5) = (3)/(4)
1	Oct-24	205.71	5.20	39.58
2	Nov-24	88.57	2.92	30.34
3	Dec-24	145.29	2.92	49.78
	Total	146.45	3.68	39.84

(4) Customer Average Interruption Duration Index (CAIDI) for HT Consumer

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on ith feeder	Ri = Restoration time for each interruption event on HT Consumer	Sum (Ri*Ni) for all HT consumer	(CAIDI)
(1)	(2)	(3)	(4)	(5)	(6) = (5)/(3)
1	Oct-24	67862	5256046	5256046	77.45
2	Nov-24	47438	4569200	4569200	96.32
3	Dec-24	43702	4478478	4478478	102.48
	Total	159002	14303724	14303724	89.96

Note:-

The indices are computed based on the data fetched by the System which is subjected to subsequent updation, if any.