

B. E. S. & T. UNDERTAKING

Annexure - VII

**Performance Report regarding Reliability Indices
Format for Quarterly Returns to be submitted to the Commission by the Distribution Licensee****(i) System Average Interruption Duration Index (SAIDI)****October 22 to December 22**

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Oct-22	202822	33.48	1047369	6790108	6.48
2	Nov-22	124868	30.84	1047369	3851516	3.68
3	Dec-22	140529	30.90	1047369	4342424	4.15
Total						14.31

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Oct-22	202822	202822	1047369	0.19
2	Nov-22	124868	124868	1047369	0.12
3	Dec-22	140529	140529	1047369	0.13
Total					0.45

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Oct-22	6.48	0.19	33.48
2	Nov-22	3.68	0.12	30.84
3	Dec-22	4.15	0.13	30.90
Total		14.31	0.45	32.00

iv) Customer Average Interruption Duration Index (CAIDI) For HT consumer

Sr. no.	Month	Ni=Number of Consumer who experienced a sustained interruption	Ri=Restoration time for each interruption event of HT Consumers	Sum, (Ri*Ni) for all HT Consumers	CAIDI=(5)/(3)
	2	3	4	5	6
1	Oct-22	42	41.02	1723	41.02
2	Nov-22	28	36.11	1011	36.11
3	Dec-22	21	26.1	548	26.1
Total		91		3282	36.07