

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)

July 24 to Sept 24

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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>	<u>(7)</u>
1	Jul-24	283964	25.25	1053284	7169372	6.81
2	Aug-24	247862	26.05	1053284	6457877	6.13
3	Sep-24	166068	28.82	1053284	4786545	4.54
Total						17.48

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jul-24	283964	283964	1053284	0.27
2	Aug-24	247862	247862	1053284	0.24
3	Sep-24	166068	166068	1053284	0.16
Total					0.66

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>
1	Jul-24	6.81	0.27	25.25
2	Aug-24	6.13	0.24	26.05
3	Sep-24	4.54	0.16	28.82
Total		17.48	0.66	26.38

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jul-24	45	25.98	1169	25.98
2	Aug-24	47	29.49	1386	29.49
3	Sep-24	23	43.43	999	43.43
Total		115		3554	30.90