

**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 24 to December 24**

Sr. No.	Month	Ni = No. 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 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	<b>Oct-24</b>	223451	29.02	1053284	6483839	<b>6.16</b>
2	<b>Nov-24</b>	92661	30.22	1053284	2800228	<b>2.66</b>
3	<b>Dec-24</b>	105297	27.19	1053284	2862991	<b>2.72</b>
<b>Total</b>						<b>11.53</b>

**(ii) System Average Interruption Frequency Index (SAIFI)**

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i <sup>th</sup> Feeder	Sum of Consumers of i <sup>th</sup> 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	<b>Oct-24</b>	223451	223451	1053284	<b>0.21</b>
2	<b>Nov-24</b>	92661	92661	1053284	<b>0.09</b>
3	<b>Dec-24</b>	105297	105297	1053284	<b>0.10</b>
<b>Total</b>					<b>0.40</b>

**(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	<b>Oct-24</b>	6.16	0.21	29.02
2	<b>Nov-24</b>	2.66	0.09	30.22
3	<b>Dec-24</b>	2.72	0.10	27.19
<b>Total</b>		<b>11.53</b>	<b>0.40</b>	<b>28.82</b>

**(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	<b>Oct-24</b>	27	26.56	717	26.56
2	<b>Nov-24</b>	18	34.67	624	34.67
3	<b>Dec-24</b>	23	25.70	591	25.70
	<b>Total</b>	<b>68</b>		<b>1932</b>	<b>28.42</b>