

**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)**

**April 24 to June 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	Apr-24	199370	28.89	1053284	5759123	5.47
2	May-24	307223	27.85	1053284	8556487	8.12
3	Jun-24	234453	25.83	1053284	6055311	5.75
<b>Total</b>						<b>19.34</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	Apr-24	199370	199370	1053284	0.19
2	May-24	307223	307223	1053284	0.29
3	Jun-24	234453	234453	1053284	0.22
<b>Total</b>					<b>0.70</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	Apr-24	5.47	0.19	28.89
2	May-24	8.12	0.29	27.85
3	Jun-24	5.75	0.22	25.83
<b>Total</b>		<b>19.34</b>	<b>0.70</b>	<b>27.49</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	Apr-24	27	23.96	647	23.96
2	May-24	28	21.57	604	21.57
3	Jun-24	27	28.37	766	28.37
<b>Total</b>		<b>82</b>		<b>2017</b>	<b>24.60</b>