

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 21 to September 21

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-21	258889	24.01	1043163	6217176	5.96
2	Aug-21	252637	28.70	1043163	7251162	6.95
3	Sep-21	203330	23.95	1043163	4869146	4.67
Total		714856	25.65	1043163	18337484	17.58

(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-21	258889	258889	1043163	0.25
2	Aug-21	252637	252637	1043163	0.24
3	Sep-21	203330	203330	1043163	0.19
Total		714856	714856	1043163	0.69

(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-21	5.96	0.25	24.01
2	Aug-21	6.95	0.24	28.70
3	Sep-21	4.67	0.19	23.95
Total		17.58	0.69	25.65

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-21	47	28.85	1356	28.85
2	Aug-21	30	30.17	905	30.17
3	Sep-21	28	27.61	773	27.61
Total		105	28.90	3034	28.90