

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 22 to September 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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jul-22	232767	26.68	1047369	6211242	5.93
2	Aug-22	196977	23.14	1047369	4557672	4.35
3	Sep-22	143191	26.67	1047369	3818653	3.65
Total						13.93

(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-22	232767	232767	1047369	0.22
2	Aug-22	196977	196977	1047369	0.19
3	Sep-22	143191	143191	1047369	0.14
Total					0.55

(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-22	5.93	0.22	26.68
2	Aug-22	4.35	0.19	23.14
3	Sep-22	3.65	0.14	26.67
Total		13.93	0.55	25.46

(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	
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jul-22	43	22.63	973	22.63
2	Aug-22	36	20.94	754	20.94
3	Sep-22	20	31.30	626	31.30
Total		99		2353	23.77