

**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 23 to June 23**

| 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-23   | 271754   | 31.02   | 1047987   | 8429295   | 8.04              |
| 2            | May-23   | 303882   | 26.84   | 1047987   | 8155133   | 7.78              |
| 3            | Jun-23   | 228699   | 23.98   | 1047987   | 5484146   | 5.23              |
| <b>Total</b> |          |  |   |   |   | <b>21.06</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-23   | 271754   | 271754  | 1047987   | 0.26              |
| 2            | May-23   | 303882   | 303882  | 1047987   | 0.29              |
| 3            | Jun-23   | 228699   | 228699  | 1047987   | 0.22              |
| <b>Total</b> |          |  |   |   | <b>0.77</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-23   | 8.04         | 0.26        | 31.02         |
| 2            | May-23   | 7.78         | 0.29        | 26.84         |
| 3            | Jun-23   | 5.23         | 0.22        | 23.98         |
| <b>Total</b> |          | <b>21.06</b> | <b>0.77</b> | <b>27.44</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 |              |
|--------------|------------|--|---|-----------------------------------|--------------|
| <u>(1)</u>   | <u>(2)</u> | <u>(3)</u>   | <u>(4)</u>  | <u>(5)</u>                        | <u>(6)</u>   |
| 1            | Apr-23     | 21   | 44.48   | 934                               | 44.48        |
| 2            | May-23     | 39   | 27.46   | 1071                              | 27.46        |
| 3            | Jun-23     | 27   | 25.00   | 675                               | 25.00        |
| <b>Total</b> |            | <b>87</b>  |   | <b>2680</b>                       | <b>30.80</b> |