

**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 22 to June 22

| 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-22   | 315033   | 34.59   | 1047369   | 10897783  | 10.40             |
| 2            | May-22   | 285486   | 29.60   | 1047369   | 8451751   | 8.07              |
| 3            | Jun-22   | 202001   | 28.55   | 1047369   | 5767536   | 5.51              |
| <b>Total</b> |          |  |   |   |   | <b>23.98</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-22   | 315033   | 315033  | 1047369   | 0.30              |
| 2            | May-22   | 285486   | 285486  | 1047369   | 0.27              |
| 3            | Jun-22   | 202001   | 202001  | 1047369   | 0.19              |
| <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-22   | 10.40        | 0.30        | 34.59         |
| 2            | May-22   | 8.07         | 0.27        | 29.60         |
| 3            | Jun-22   | 5.51         | 0.19        | 28.55         |
| <b>Total</b> |          | <b>23.98</b> | <b>0.77</b> | <b>31.30</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-22     | 50   | 31.68   | 1584                              | 31.68         |
| 2            | May-22     | 42   | 32.52   | 1366                              | 32.52         |
| 3            | Jun-22     | 25   | 25.88   | 647                               | 25.88         |
| <b>Total</b> |            | <b>117</b>   |   | <b>3597</b>                       | <b>30.74</b>  |