

B. E. S. & T. UNDERTAKING

Annexure - VII

Performance Report regarding Reliability Indices
Format for yearly Returns to be submitted to the Commission by the Distribution Licensee

(i) System Average Interruption Duration Index (SAIDI)

April 23 to March 24

| 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) |
|--------------|--------|--|---|---|---|-------------------|
| | 2 | 3 | 4 | 5 | 6 | 7 |
| 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 |
| 4 | Jul-23 | 206221 | 27.94 | 1047987 | 5760980 | 5.50 |
| 5 | Aug-23 | 199212 | 25.46 | 1047987 | 5072646 | 4.84 |
| 6 | Sep-23 | 123966 | 28.14 | 1047987 | 3488756 | 3.33 |
| 7 | Oct-23 | 212918 | 31.88 | 1047987 | 6787123 | 6.48 |
| 8 | Nov-23 | 105866 | 28.87 | 1047987 | 3056133 | 2.92 |
| 9 | Dec-23 | 142837 | 26.68 | 1047987 | 3810322 | 3.64 |
| 10 | Jan-24 | 153991 | 28.13 | 1047987 | 4331769 | 4.13 |
| 11 | Feb-24 | 122282 | 29.21 | 1047987 | 3571633 | 3.41 |
| 12 | Mar-24 | 197755 | 31.14 | 1047987 | 6158476 | 5.88 |
| Total | | | | | | 61.17 |

(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) |
|--------------|--------|--|---|---|-------------------|
| | 2 | 3 | 4 | 5 | 6 |
| 1 | Apr-23 | 271754 | 271754 | 1047987 | 0.26 |
| 2 | May-23 | 303882 | 303882 | 1047987 | 0.29 |
| 3 | Jun-23 | 228699 | 228699 | 1047987 | 0.22 |
| 4 | Jul-23 | 206221 | 206221 | 1047987 | 0.20 |
| 5 | Aug-23 | 199212 | 199212 | 1047987 | 0.19 |
| 6 | Sep-23 | 123966 | 123966 | 1047987 | 0.12 |
| 7 | Oct-23 | 212918 | 212918 | 1047987 | 0.20 |
| 8 | Nov-23 | 105866 | 105866 | 1047987 | 0.10 |
| 9 | Dec-23 | 142837 | 142837 | 1047987 | 0.14 |
| 10 | Jan-24 | 153991 | 153991 | 1047987 | 0.15 |
| 11 | Feb-24 | 122282 | 122282 | 1047987 | 0.12 |
| 12 | Mar-24 | 197755 | 197755 | 1047987 | 0.19 |
| Total | | | | | 2.17 |

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April 23 to March 24

(iii) Consumer Average Interruption Duration Index (CAIDI)

| Sr. No. | Month | SAIDI | SAIFI | SAIDI / SAIFI |
|--------------|--------|--------------|-------------|---------------|
| 1 | 2 | 3 | 4 | 5 |
| 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 |
| 4 | Jul-23 | 5.50 | 0.20 | 27.94 |
| 5 | Aug-23 | 4.84 | 0.19 | 25.46 |
| 6 | Sep-23 | 3.33 | 0.12 | 28.14 |
| 7 | Oct-23 | 6.48 | 0.20 | 31.88 |
| 8 | Nov-23 | 2.92 | 0.10 | 28.87 |
| 9 | Dec-23 | 3.64 | 0.14 | 26.68 |
| 10 | Jan-24 | 4.13 | 0.15 | 28.13 |
| 11 | Feb-24 | 3.41 | 0.12 | 29.21 |
| 12 | Mar-24 | 5.88 | 0.19 | 31.14 |
| Total | | 61.17 | 2.17 | 28.25 |

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) |
|--------------|--------|--|---|-----------------------------------|---------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 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 |
| 4 | Jul-23 | 36 | 27.36 | 985 | 27.36 |
| 5 | Aug-23 | 36 | 28.61 | 1030 | 28.61 |
| 6 | Sep-23 | 26 | 33.62 | 874 | 33.62 |
| 7 | Oct-23 | 33 | 22.70 | 749 | 22.70 |
| 8 | Nov-23 | 31 | 30.26 | 938 | 30.26 |
| 9 | Dec-23 | 17 | 44.29 | 753 | 44.29 |
| 10 | Jan-24 | 28 | 29.54 | 827 | 29.54 |
| 11 | Feb-24 | 25 | 40.88 | 1022 | 40.88 |
| 12 | Mar-24 | 29 | 30.93 | 897 | 30.93 |
| Total | | 348 | | 10755 | 30.91 |