

Information Note to the Press (Press Release No. 18/2026)  
**TELECOM REGULATORY AUTHORITY OF INDIA**  
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**For Immediate Release**

**TRAI Assesses Network Quality Across Chitradurga City and Surrounding Area**

The Telecom Regulatory Authority of India (TRAI) released its Independent Drive Test (IDT) findings for the Chitradurga, Karnataka Licensed Service Area (LSA), covering extensive City/Highway routes during the month of December 2025. The drive tests, conducted under the supervision of the TRAI Regional Office, Bengaluru, were designed to capture real-world mobile network performance across diverse usage environments – Urban Zones, Institutional Hotspots, Public Transport Hubs, and high-speed Corridors.

Between 02<sup>nd</sup> December 2025 to 05<sup>th</sup> December 2025, TRAI teams conducted detailed tests across **401.2 kms of Chitradurga City and surrounding area including 393.2 Kms of City drive, 13 Hot spots and 8.0 Kms Walk Test**. Technologies evaluated included 2G, 3G, 4G, and 5G, reflecting the service experience of users across multiple handset capabilities. The findings of IDT have been intimated to all the TSPs concerned for further necessary action.

**Key Parameters Assessed:**

a) **Voice Services:** Call Setup Success Rate (CSSR), Drop Call Rate (DCR), Call Setup Time, Call Silence Rate, Speech Quality (MOS), Coverage.

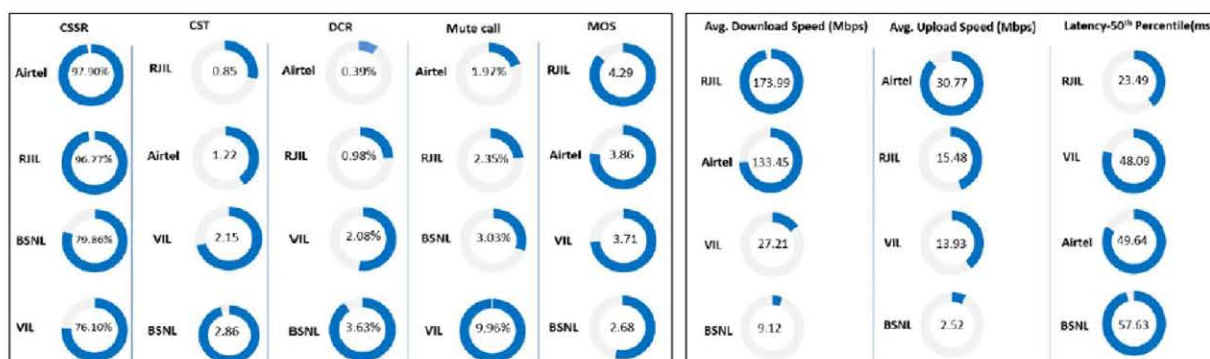
b) **Data Services:** Download/Upload Throughput, Latency, Jitter, Packet Drop Rate, and Video Streaming Delay.

**Call Setup Success Rate** - Airtel, BSNL, RJIL and VIL have 97.90%, 79.86%, 96.77% and 76.10% call setup success rate respectively in Auto-selection mode (5G/4G/3G/2G).

**Drop Call Rate** - Airtel, BSNL, RJIL and VIL have drop call rate of 0.39%, 3.63%, 0.98% and 2.08% respectively in Auto-selection mode (5G/4G/3G/2G).

**Summary of Performance against key QoS parameters**

**CSSR:** Call Setup Success Rate i.e. (in %), **CST:** Call Setup Time (in seconds), **DCR:** Drop Call Rate (in %) & **MOS:** Mean Opinion Score representing typical voice quality.



| Summary-Voice services   | Summary-Data services  |                       |              |                |               |                     |              |                     |              |                |               |                    |               |
|--|--|-----------------------|--------------|----------------|---------------|---------------------|--------------|---------------------|--------------|----------------|---------------|--------------------|---------------|
| <p><b>Call Setup Success Rate:</b> Airtel, BSNL, RJIL and VIL have 97.90%, 79.86%, 96.77% and 76.10% call setup success rate respectively in Auto-selection mode (5G/4G/3G/2G).</p> <p><b>Call Setup Time:</b> Airtel, BSNL, RJIL &amp; VIL have call setup time of 1.22, 2.86, 0.85 and 2.15 seconds respectively in Auto-selection mode (5G/4G/3G/2G).</p> <p><b>Drop Call Rate:</b> Airtel, BSNL, RJIL and VIL have drop call rate of 0.39%, 3.63%, 0.98% and 2.08% respectively in Auto-selection mode (5G/4G/3G/2G).</p> <p><b>Call Silence/Mute Rate:</b> Airtel, BSNL, RJIL and VIL have silence call rate of 1.97%, 3.03%, 2.35% and 9.96% respectively in packet switched network (4G/5G).</p> <p><b>Mean Opinion Score (MOS):</b> Airtel, BSNL, RJIL and VIL have average MOS of 3.86, 2.68, 4.29 and 3.71 respectively.</p> | <p><b>Data Download performance (Overall):</b> Average download speed of Airtel (5G/4G/2G) is 133.45 Mbps, BSNL (4G/3G/2G) is 9.12 Mbps, RJIL (5G/4G) is 173.99 Mbps and VIL (4G/2G) is 27.21 Mbps.</p> <p><b>Data Upload performance (Overall):</b> Average upload speed of Airtel (5G/4G/2G) is 30.77 Mbps, BSNL (4G/3G/2G) is 2.52 Mbps, RJIL (5G/4G) is 15.48 Mbps and VIL (4G/2G) is 13.93 Mbps.</p> <p><b>Latency (Overall):</b> Airtel, BSNL, RJIL &amp; VIL 50th percentile latency is 49.64 ms, 57.63 ms, 23.49 ms &amp; 48.09 ms respectively.</p> <p><b>Data performance - Hotspots (in Mbps):</b></p> <table> <tr> <td>Airtel- 4G D/L: 21.15</td><td>4G U/L: 9.11</td></tr> <tr> <td>5G D/L: 171.66</td><td>5G U/L: 42.18</td></tr> <tr> <td>BSNL- 4G D/L: 13.13</td><td>4G U/L: 5.12</td></tr> <tr> <td>RJIL- 4G D/L: 29.76</td><td>4G U/L: 9.90</td></tr> <tr> <td>5G D/L: 220.06</td><td>5G U/L: 24.01</td></tr> <tr> <td>VIL- 4G D/L: 25.46</td><td>4G U/L: 17.64</td></tr> </table> <p>Note- "D/L" Download speed, "U/L" Upload speed</p> | Airtel- 4G D/L: 21.15 | 4G U/L: 9.11 | 5G D/L: 171.66 | 5G U/L: 42.18 | BSNL- 4G D/L: 13.13 | 4G U/L: 5.12 | RJIL- 4G D/L: 29.76 | 4G U/L: 9.90 | 5G D/L: 220.06 | 5G U/L: 24.01 | VIL- 4G D/L: 25.46 | 4G U/L: 17.64 |
| Airtel- 4G D/L: 21.15  | 4G U/L: 9.11   |                       |              |                |               |                     |              |                     |              |                |               |                    |               |
| 5G D/L: 171.66   | 5G U/L: 42.18  |                       |              |                |               |                     |              |                     |              |                |               |                    |               |
| BSNL- 4G D/L: 13.13  | 4G U/L: 5.12   |                       |              |                |               |                     |              |                     |              |                |               |                    |               |
| RJIL- 4G D/L: 29.76  | 4G U/L: 9.90   |                       |              |                |               |                     |              |                     |              |                |               |                    |               |
| 5G D/L: 220.06   | 5G U/L: 24.01  |                       |              |                |               |                     |              |                     |              |                |               |                    |               |
| VIL- 4G D/L: 25.46   | 4G U/L: 17.64  |                       |              |                |               |                     |              |                     |              |                |               |                    |               |

In Chitradurga city, the assessment included high-density neighbourhoods like Adarsha Nagar, Seebara, Vijapur, Obavanagathihalli, Hunasekatte, Malappanahatty, Shivaganga, Holalkere, Herur, Hosadurga, Madadhakere, Beerenahalli, Hiriyr, Aimangala, Kyadiggere, Kalliroppa, Vittala Nagar, Nandanahalli, Madakaripura, Haikal, Challakere, Thalaku, Mustur, Bogalerahatty, G. R. Halli, Pillekerenahalli etc.

TRAI also evaluated real-world conditions at Challakere Bus Stand, Challakere Taluk Office, Chitradurga District Hospital, Chitradurga KSRTC Bus Stand, Chitradurga RTO Office, District Collector Office Chitradurga, Hiriyr Government Hospital, Hiriyr KSRTC Bus Stand, Hosadurga Government Hospital, Hosadurga New Bus Stand, Muruga Rajendra Mata, Onake Obavva Stadium Chitradurga, and SJM Institute Of Technology.reflect stationary user experience.

The walk tests, conducted on 03<sup>rd</sup> to 05<sup>th</sup> December 2025 in APMC Market, Chandravalli Kere Park, Chitradurga Fort, and Chitradurga Railway Station capturing mobile network behaviour in crowded pedestrian environments.

The tests were conducted using TRAI-calibrated equipment and standardised protocols in real-time environments. The detailed report is available at TRAI website [www.trai.gov.in](http://www.trai.gov.in). For any clarification/information, Shri Brajendra Kumar, Advisor (Regional Office, Bengaluru) TRAI may be contacted on email: [adv.bengaluru@trai.gov.in](mailto:adv.bengaluru@trai.gov.in) or at Tel. No. +91-80-22865004.

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