

Information Note to the Press (Press Release No 33 /2026)

TELECOM REGULATORY AUTHORITY OF INDIA
Regional Office Bhopal, March'2026

For Immediate release Website: - www.trai.gov.in

TRAI Assesses Network Quality of Mobile Service Operators across Guna & Ashoknagar Cities and nearby areas and Guna to Bhopal Highway of MP LSA.

Release of findings of Independent Drive Tests (IDT)

The Telecom Regulatory Authority of India (TRAI) has conducted Independent Drive Tests (IDT) covering Guna & Ashoknagar Cities and nearby areas and Guna to Bhopal Highway of MP LSA during the month of January – February '2026. The IDT have been designed to capture real-world mobile network performance across diverse usage environments –Urban zones, hotspots, public transport hubs etc.

TRAI, through its appointed agency, conducted detailed drive tests of 196.7 Kms of City test, 201.2 Kms of Highway test and 1.5 kms of walk test in Guna & Ashoknagar Cities and Guna to Bhopal Highway during 30th January to 02nd February '2026. 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 99.01%, 77.71%, 100.00% and 98.78%, 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 0.00%, 2.51%, 0.49% and 1.72% respectively in Auto-selection mode (5G/4G/3G/2G).

- The poor Signal Strength in auto-selection mode (5G/4G/3G/2G) during voice testing has been observed as 1.02%, 4.51%, 1.35% & 3.38% in the City IDT route in case of Airtel, BSNL, RJIL & VIL respectively.

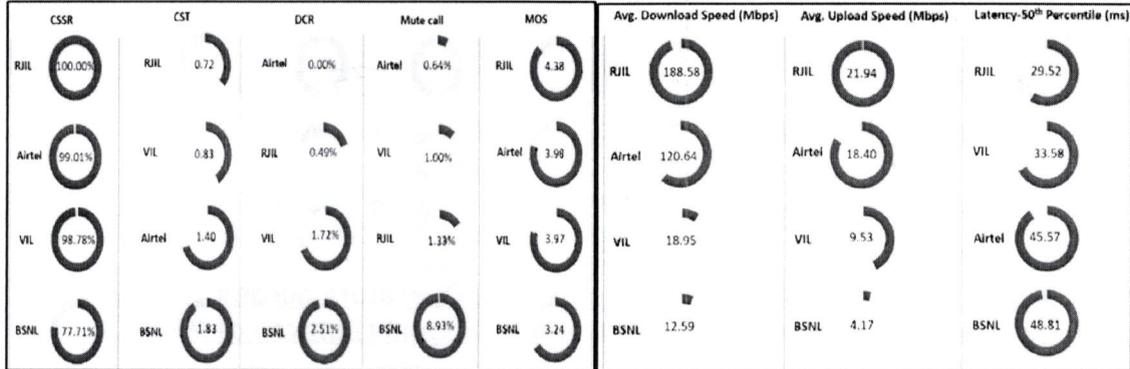
- The poor Signal Strength in auto-selection mode (5G/4G/3G/2G) during data testing has been observed as 8.23%, 7.75%, 10.41% & 7.55% in the City IDT route in case of Airtel, BSNL, RJIL & VIL respectively.

- The poor Signal Strength in auto-selection mode (5G/4G/3G/2G) during voice testing has been observed in 3.57%, 31.57%, 1.36% & 8.14% of the Highway IDT route in case of Airtel, BSNL, RJIL & VIL respectively.

- The poor Signal Strength in auto-selection mode (5G/4G/3G/2G) during data testing has been observed in 16.90%, 42.13%, 11.44% & 12.16% of the Highway IDT route in case of Airtel, BSNL, RJIL & VIL respectively.

Summary of Performance against key QoS parameters

CSSR: Call Setup Success Rate (in %), **CST:** Call Setup Time (in milli seconds), **DCR:** Drop Call Rate (in %) & **MOS:** Mean Opinion Score



Summary-Voice services	Summary-Data services												
<p>Call Setup Success Rate: Airtel, BSNL, RJIL and VIL have 99.01%, 77.71%, 100.00% and 98.78%, call setup success rate respectively in Auto-selection mode (5G/4G/3G/2G).</p> <p>Call Setup Time: Airtel, BSNL, RJIL & VIL have call setup time of 1.40, 1.83, 0.72 and 0.83 seconds respectively in Auto-selection mode (5G/4G/3G/2G).</p> <p>Drop Call Rate: Airtel, BSNL, RJIL and VIL have drop call rate of 0.00%, 2.51%, 0.49% and 1.72% respectively in Auto-selection mode (5G/4G/3G/2G).</p> <p>Call Silence/Mute Rate: Airtel, BSNL, RJIL and VIL have silence call rate of 0.64%, 8.93%, 1.33% and 1.00% respectively in packet switched network (4G/5G).</p> <p>Mean Opinion Score (MOS): Airtel, BSNL, RJIL and VIL have average MOS of 3.98, 3.24, 4.38 and 3.97 respectively.</p>	<p>Data Download performance (Overall): Average download speed of Airtel (5G/4G/2G) is 120.64 Mbps, BSNL (4G/3G/2G) is 12.59 Mbps, RJIL (5G/4G) is 188.58 Mbps and VIL (4G/2G) is 18.95 Mbps.</p> <p>Data Upload performance (Overall): Average upload speed of Airtel (5G/4G/2G) is 18.40 Mbps, BSNL (4G/3G/2G) is 4.17 Mbps, RJIL (5G/4G) is 21.94 Mbps and VIL (4G/2G) is 9.53 Mbps.</p> <p>Latency (Overall): Airtel, BSNL, RJIL and VIL 50th percentile latency is 45.57 ms, 48.81 ms, 29.52 ms & 33.58 ms respectively.</p> <p>Data performance - Hotspots (in Mbps):</p> <table border="0"> <tr> <td>Airtel- 4G D/L: 21.92</td> <td>4G U/L: 8.53</td> </tr> <tr> <td>5G D/L: 133.69</td> <td>5G U/L: 26.46</td> </tr> <tr> <td>BSNL- 4G D/L: 8.73</td> <td>4G U/L: 3.42</td> </tr> <tr> <td>RJIL- 4G D/L: 25.55</td> <td>4G U/L: 6.31</td> </tr> <tr> <td>5G D/L: 120.70</td> <td>5G U/L: 11.42</td> </tr> <tr> <td>VIL- 4G D/L: 15.71</td> <td>4G U/L: 6.84</td> </tr> </table> <p>Note- "D/L" Download speed, "U/L" Upload speed</p>	Airtel- 4G D/L: 21.92	4G U/L: 8.53	5G D/L: 133.69	5G U/L: 26.46	BSNL- 4G D/L: 8.73	4G U/L: 3.42	RJIL- 4G D/L: 25.55	4G U/L: 6.31	5G D/L: 120.70	5G U/L: 11.42	VIL- 4G D/L: 15.71	4G U/L: 6.84
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The tests were conducted using TRAI-calibrated equipment and standardized protocols in real-time environments. The detailed report is available at TRAI website www.trai.gov.in. For any clarification/information, Shri Sanjay Kumar Gupta, Advisor (Regional Office, Bhopal) TRAI may be contacted on email: adv.bhopal@trai.gov.in or at Tel. No. +91-755-2575501.


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 Advisor, RO Bhopal, TRAI