

New Delhi, 13 January 2026

For Immediate Release**TRAI Assesses Network Quality Across Nasik and Surrounding Area**

The Telecom Regulatory Authority of India (TRAI) released its Independent Drive Test (IDT) findings for the Nasik, Nasik Licensed Service Area (LSA), covering extensive City/Railway/Coastal routes during the month of November 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 18th November 2025 to 21st November 2025, TRAI teams conducted detailed tests across **487.2 Kms of Nasik including 250.1 Kms of City drive, 9 Hot spots, 9.4 Kms Walk Test, and Highway drive of 227.7 Kms**. 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:

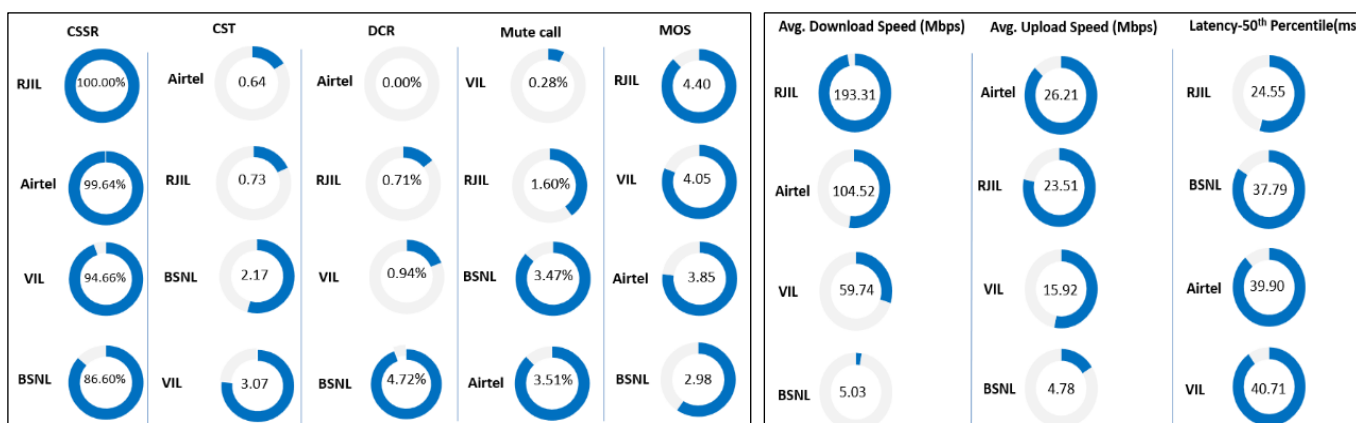
- a) **Voice Services:** Call Setup Success Rate (CSSR), Drop Call Rate (DCR), Call Setup Time, Call Silence Rate, Speech Quality (MOS), Coverage.
- b) **Data Services:** Download/Upload Throughput, Latency, Jitter, Packet Drop Rate, and Video Streaming Delay.

Call Setup Success Rate - Airtel, BSNL, RJIL and VIL have 99.64%, 86.60%, 100.00% and 94.66% 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%, 4.72%, 0.71% and 0.94% 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

Call Setup Success Rate: Airtel, BSNL, RJIL and VIL have 99.64%, 86.60%, 100.00% and 94.66% call setup success rate respectively in Auto-selection mode (5G/4G/3G/2G).

Call Setup Time: Airtel, BSNL, RJIL and VIL have call setup time of 0.64, 2.17, 0.73 and 3.07 seconds respectively in Auto-selection mode (5G/4G/3G/2G).

Drop Call Rate: Airtel, BSNL, RJIL and VIL have drop call rate of 0.00%, 4.72%, 0.71% and 0.94% respectively in Auto-selection mode (5G/4G/3G/2G).

Call Silence/Mute Rate: Airtel, BSNL, RJIL and VIL have silence call rate of 3.51%, 3.47%, 1.60% and 0.28% respectively in packet switched network (4G/5G).

Mean Opinion Score (MOS): Airtel, BSNL, RJIL and VIL have average MOS of 3.85, 2.98, 4.40 and 4.05 respectively.

Summary-Data services

Data Download performance (Overall): Average download speed of Airtel (5G/4G/2G) is 104.52 Mbps, BSNL (4G/3G/2G) is 5.03 Mbps, RJIL (5G/4G) is 193.31 Mbps and VIL (5G/4G/2G) is 59.74 Mbps.

Data Upload performance (Overall): Average upload speed of Airtel (5G/4G/2G) is 26.21 Mbps, BSNL (4G/3G/2G) is 4.78 Mbps, RJIL (5G/4G) is 23.51 Mbps and VIL (5G/4G/2G) is 15.92 Mbps.

Latency (Overall): Airtel, BSNL, RJIL and VIL 50th percentile latency is 39.90 ms, 37.79 ms, 24.55 ms & 40.71 ms respectively.

Data performance - Hotspots (in Mbps):

| | |
|-----------------------|---------------|
| Airtel- 4G D/L: 33.55 | 4G U/L: 4.93 |
| 5G D/L: 117.96 | 5G U/L: 28.24 |
| BSNL- 4G D/L: 7.58 | 4G U/L: 9.66 |
| RJIL- 4G D/L: 20.81 | 4G U/L: 6.33 |
| 5G D/L: 155.69 | 5G U/L: 22.30 |
| VIL- 4G D/L: 43.82 | 4G U/L: 9.07 |
| 5G D/L: 130.49 | 5G U/L: 20.76 |

Note- "D/L" Download speed, "U/L" Upload speed

In Nashik, the assessment included high-density neighbourhoods like Nashik International Airport, Warvandi, Mhasrul Gaon, Panchvati, Girnare, Waghera, Amboli, Trimbak, Khambale, Shivaji Nagar, Canada Corner, Mumbai Naka, Indira Nagar, Pathardi Phata, Vihitgaon, Nandur Naka, Dhattrak Phata, Amrutdham, Lokhande Mala, Adgaon, Jaulakedindori, Bhangadhwadi and Janori etc.

TRAI also evaluated real-world conditions at Civil Hospital, District Collector Office, Mahamarg Bus Stand, Nashik Airport, RTO Office Nashik, Serene Meadows, Anandvalli, Shri Kalaram Mandir Panchavati, Someshwar Waterfall, and Trimbakeshwar Jyotirling Mandir to reflect stationary user experience.

The walk tests, conducted on 18th and 19th November 2025 focused on Nashik Railway Station, Panchwati Ghat, Shalimar Market, and Shirdi Sai Baba Temple Bus Stand, capturing mobile network behaviour in crowded pedestrian environments.

The Highway drive test route covered Mahamarg Bus Stop Nashik to Amrutdham Nashik passing through Nashik Road, Gurewadi, Wavi, Derde Korhale, Shirdi, Chandekasare, Manjur, Bharwas, Lasalgaon, Chandwad, Vadolibhoi, Pimpalgaon Baswant and Adgaon etc. to understand quality of service along the route, largely through forests.

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. For any clarification/information, Shri Brajendra Kumar, Advisor (Regional Office, Bengaluru) TRAI may be contacted on email: adv.bengaluru@trai.gov.in or at Tel. No. +91-80-22865004.

(Brajendra Kumar)
Advisor, TRAI RO Bengaluru