TELECOM REGULATORY AUTHORITY OF INDIA
Regional Office Bhopal, 22nd January'2026
For Immediate release   Website: - www.trai.gov.in

TRAI Assesses Network Quality of Mobile Service Operators across Azamgarh & Mau City and nearby area of UP(East) LSA.

Release of findings of Independent Drive Tests (IDT)

The Telecom Regulatory Authority of India (TRAI) has conducted Independent Drive Tests (IDT) covering Azamgarh & Mau City and nearby area of Uttar Pradesh (East) LSA during the month of December 2025. The IDTs have been designed to capture real-world mobile network performance across diverse usage environments –Urban zones, hotspots, public transport hubs etc.

2.   TRAI, through its appointed agency, conducted detailed drive tests of 288.2 Kms of City test and 4.3 kms of walk test in Azamgarh & Mau City and nearby area during 2nd to 5th December 2025. 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 99.51%, 89.24%, 99.68% and 99.84% 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 0.16%, 3.38%, 0.16% and 0.00% respectively in Auto-selection mode (5G/4G/3G/2G).
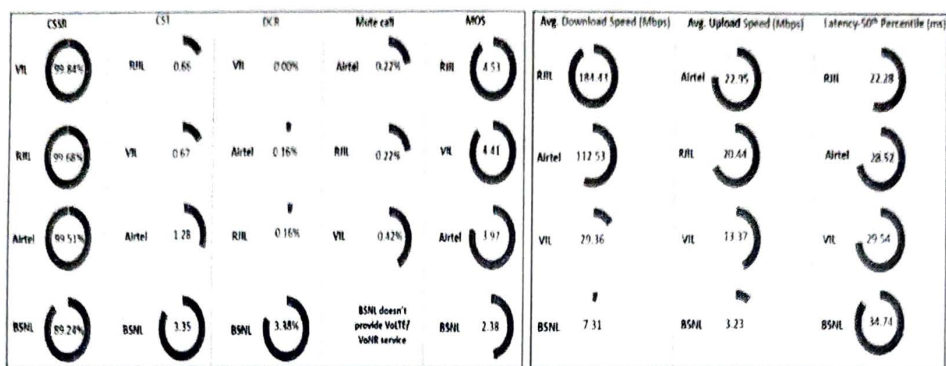
The poor Signal Strength in auto-selection mode (5G/4G/3G/2G) during voice testing has been observed as 0.85%, 22.43%, 1.09% & 1.85% in the city IDT route in case of Airtel, BSNL, RJIL & VIL respectively.

The poor Signal Strength in auto-selection mode (5G/4G/3G/2G) during data testing has been observed as 7.29%, 32.67%, 8.04% & 9.29% in the city 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 milliseconds), **DCR**: Drop Call Rate (in %) & **MOS**: Mean Opinion Score.

	CSSR		CSI		DCR		Mute call		MOS
VIL	99.84%	RJIL	0.66	VIL	0.00%	Airtel	0.22%	RJIL	4.53
RJIL	99.68%	VIL	0.67	Airtel	0.16%	RJIL	0.22%	VIL	4.41
Airtel	99.51%	Airtel	1.28	RJIL	0.16%	VIL	0.42%	Airtel	3.97
BSNL	89.24%	BSNL	3.35	BSNL	3.38%	BSNL doesn't provide VoLTE/ VoNR service		BSNL	2.38

	Avg. Download Speed (Mbps)		Avg. Upload Speed (Mbps)		Latency-50th Percentile (ms)
RJIL	184.43	Airtel	22.95	RJIL	22.28
Airtel	112.53	RJIL	20.44	Airtel	28.52
VIL	29.36	VIL	13.37	VIL	29.54
BSNL	7.31	BSNL	3.23	BSNL	34.74

Summary-Voice services	Summary-Data services

Summary-Voice services

Call Setup Success Rate: Airtel, BSNL, RJIL and VIL have 99.51%, 89.24%, 99.68% and 99.84% 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 1.28, 3.35, 0.66 and 0.67 seconds respectively in Auto-selection mode (5G/4G/3G/2G).

Drop Call Rate: Airtel, BSNL, RJIL and VIL have drop call rate of 00.16%, 3.38%, 0.16% and 0.00% respectively in Auto-selection mode (5G/4G/3G/2G).

Call Silence/Mute Rate: Airtel, RJIL and VIL have silence call rate of 0.22%, 0.22% and 0.42% respectively in packet switched network (4G/5G).

Mean Opinion Score (MOS): Airtel, BSNL, RJIL and VIL have average MOS of 3.97, 2.38, 4.53 and 4.41 respectively.

Summary-Data services

Data Download Performance (Overall): Average download speed of Airtel (5G/4G) is 112.53 Mbps, BSNL (4G/3G/2G) is 7.31 Mbps, RJIL (5G/4G) is 184.43 Mbps and VIL (4G/2G) is 29.36 Mbps.

Data Upload performance (Overall): Average upload speed of Airtel (5G/4G) is 22.95 Mbps, BSNL (4G/3G/2G) is 3.23 Mbps, RJIL (5G/4G) is 20.44 Mbps and VIL (4G/2G) is 13.37 Mbps.

Latency (Overall): Airtel, BSNL, RJIL and VIL 50th percentile latency is 28.52 ms, 34.74 ms, 22.28 ms & 29.54 ms respectively.

Data performance - Hotspots (in Mbps):
Airtel- 4G D/L: 29.60   4G U/L: 03.57
         5G D/L: 64.99   5G U/L: 16.18
BSNL- 4G D/L: 07.20   4G U/L: 06.56
RJIL - 4G D/L: 51.24   4G U/L: 11.37
         5G D/L: 126.42   5G U/L: 19.22
VIL- 4G D/L: 29.71   4G U/L: 11.81

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

The tests were conducted using TRAI-calibrated equipment and standardized protocols in real-time environments. The detailed report is available at TRAI

22/01/2026

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