

Information Note to the Press (Press Release No 85/2025)

TELECOM REGULATORY AUTHORITY OF INDIA

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For Immediate release

Website: - www.trai.gov.in

**TRAI Assesses Quality of Mobile Network across
Vadodara City (Gujarat)**

The Telecom Regulatory Authority of India (TRAI) released findings of Independent Drive Test (IDT) conducted across Vadodara City (In Gujarat LSA), during the month of July 2025, for information of general telecom consumers. The purpose of this drive test is to assess and verify real world quality of mobile network services (both voice & data) provided by Telecom Service Providers(TSPs). During the IDT, TRAI Captures performance data on key performance indicators (KPIs) like Call setup success rate, data download and upload reports, speech quality, etc., which are then published to inform consumers and encourage TSPs to improve their services.

TRAI, through its appointed agency, conducted detailed drive tests across city drive of 388 KMs, 12 Hotspot locations, Walk Test of 2 Kms in Vadodara city during 15-07-2025 to 18-07-2025 in **Gujarat LSA**. These tests were conducted under the supervision of the **TRAI Regional Office, Jaipur**. A summary of IDT findings of **Vadodara city** is given as below:

(i) Voice Services:

S.No	KPIs (Auto-selection mode (5G/4G/3G/2G))	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate (CSSR)	%	99.82	92.39	100.00	76.81
2	Call Setup Time Average (CST)	sec.	1.21	1.56	0.66	0.71
3	Drop Call Rate (DCR)	%	0.00	0.73	0.00	0.00
4	Call Silence rate (Mute Call)	%	0.00	14.56	0.56	0.73
5	Mean Opinion Scroe (MOS)	1-5	4.04	3.12	3.97	4.46

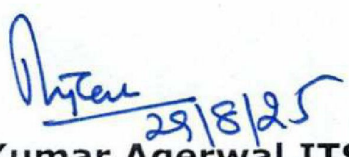
(ii) **Data Services:**

S.No.	KPIs (Auto-selection mode (5G/4G/3G/2G))	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Average Download Throughput	(Mbits/s)	198.98	3.87	284.19	53.54
2	Average Upload Throughput	(Mbits/s)	36.64	7.03	44.88	17.36
3	Latency (50th percetile)	in ms	39.90	27.45	13.65	22.55

The drive test conducted in Vadodara City covered all important areas of Vadodra city including areas of Vadodara Railway Station, Vadodara Bus stand, Sayajigunj, Manjalpur, Gotri,Akota, sursagar lake, Parul University, etc.

These IDT have been designed to capture real-world mobile network performance of all Telecom Service Providers (TSPs) across diverse usages environment –Urban zones, hotspots, public transport hubs, etc. In this type of Drive testing, live data and voice sessions are established using SIM cards from all TSPs over 2G, 3G, 4G, and 5G networks. Multiple advanced test handsets are used and the sessions are monitored and analysed in real-time using advanced Software Systems.

The findings of this IDT report have been shared with respective TSPs for taking further necessary action at their end, if required. Detailed reports of IDT are made available on the TRAI website at www.traigov.in. For any clarification or additional information, an email can be sent to adv.jaipur@traigov.in or Regional office of TRAI at Jaipur can be contacted on telephone no. +91-141-2701919.


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