

Information Note to the Press (Press Release No 108/2025)

**TELECOM REGULATORY AUTHORITY OF INDIA**

**New Delhi, Dated 14<sup>th</sup> October 2025**

For Immediate release

Website: - [www.trai.gov.in](http://www.trai.gov.in)

**TRAI Assesses Quality of Mobile Network on Jaipur-Udaipur Rail Route & across Udaipur & Rajsamand City (Rajasthan)**

The Telecom Regulatory Authority of India (TRAI) released findings of Independent Drive Test (IDT) conducted on Jaipur-Udaipur Rail Route & across Udaipur & Rajsamand City (In Rajasthan LSA), during the month of September 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 speeds, speech quality, etc., using SIM cards from all TSPs over 2G, 3G, 4G, and 5G networks. The data so captured is analysed using advance software tools & results so gathered are then published to inform consumers and encourage TSPs to improve their services.

TRAI, through its appointed agency, conducted detailed drive tests covering rail route of 430.7 kms from Jaipur to Udaipur & city drive of 313.1 KMs, 10 Hotspot locations, in Udaipur & Rajsamand city during 01-09-2025 to 04-09-2025 in **Rajasthan**. These tests were conducted under the supervision of the **TRAI Regional Office, Jaipur**. A summary of IDT findings of **Jaipur Udaipur Rail Route & Udaipur & Rajsamand city** is given as below:

**(A) Jaipur-udaipur Rail Route:**

**(i) Voice Services:**

S.No.	KPIs (3G/2G)	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate (CSSR)	%	100.00	82.29	98.62	92.81
2	Call Setup Time Average (CST)	sec.	1.88	3.36	0.95	2.13
3	Drop Call Rate (DCR)	%	0.70	18.06	0.70	4.93

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(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)	67.12	2.98	162.83	21.21
2	Average Upload Throughput	(Mbits/s)	13.24	3.37	15.74	9.85
3	Latency ( 50th percetile )	in ms	18.00	38.00	21.15	24.25

**(B) Udaipur & Rajsamand City :**

Voice Services:

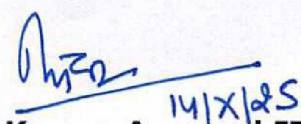
S.No.	KPIs ( 3G/2G mode)	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate (CSSR)	%	100.00	96.62	100.00	98.06
2	Call Setup Time Average (CST)	sec.	1.75	3.27	0.53	1.50
3	Drop Call Rate (DCR)	%	0.00	2.00	0.00	0.25
4	Call Silence rate (Mute Call)	%	0.75	NA	1.24	1.25
5	Mean Opinion Scroe (MOS)	1-5	4.05	2.36	3.83	4.49

**Data Services:**

S.No.	KPIs (Auto-selection mode (5G/4G/3G/2G))	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Average Download Throughput	(Mbits/s)	154.32	3.91	346.02	39.52
2	Average Upload Throughput	(Mbits/s)	29.45	3.17	37.90	13.54
3	Latency ( 50th percetile )	in ms	18.10	43.50	12.30	29.85

The drive test covered all important areas of Udaipur & Rajsamand city including surrounding nearby areas of Sukher, Palri, Pratap Nagar, Transport Nagar, Dagiyaon ki Pancholi, Sec-11, Sec-5, Savana, Balicha, Kevde Ki Naal, Dhol Ki Pati, Kelwa, Pasoond, Rajsamand, Bhana, Badarda, Nathdwara etc.

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.trai.gov.in](http://www.trai.gov.in)**. For any clarification or additional information, an email can be sent to [adv.jaipur@trai.gov.in](mailto:adv.jaipur@trai.gov.in) or Regional office of TRAI at Jaipur can be contacted on telephone no. +91-141-2701919.

  
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