

TRAI Assesses Quality of Mobile Network covering Jaipur Churu Highway across Sikar City and Nearby area

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The Telecom Regulatory Authority of India (TRAI) released findings of Independent Drive Test (IDT) conducted on Jaipur-Churu Highway & across Sikar City and nearby area including Salasar and Reengus (In Rajasthan), during the month of October 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 live performance data of mobile network of all service providers on key performance indicators (KPIs) like Call setup success rate, data download and upload speeds, speech quality, etc. Multiple advanced test handsets are used and the sessions are monitored and analysed in real-time using advanced Software Systems. The results of the IDT are published on TRAI website and in newspapers to inform consumers and to encourage TSPs to improve their services.

TRAI Regional Office, Jaipur, through its appointed agency, conducted detailed drive tests covering National Highway of 204.3 KMs, across city drive of 263.5 KMs, 8 Hotspot locations, Walk Test of 2.5 Kms, during 13.10.2025 to 16.10.2025 in Rajasthan LSA. A summary of IDT findings of **Jaipur Churu Highway & Sikar city and Nearby area including Salasar and Reengus** is given as below:

(A) Jaipur to Churu Highway (IDT on 13th Oct 2025):

(i) Voice Services:

S.No.	KPIs (5G/4G/3G/2G)	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate %	%	100.00	96.67	100.00	98.86
2	Drop Call Rate %	%	0.00	4.60	0.00	2.30
3	Call Setup Time Average (Second)	sec	1.76	3.21	0.79	1.66
4	Call Silence rate (Mute Call)	%	0.00	NA#	3.95	1.33

5	Mean Opinion Score (MOS)	1-5	3.99	2.27	3.86	4.54
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#NA- Due to unavailability of packet switched (VoLTE & VoNR) network in BSNL Call silence rate

instances are not captured.

(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)	158.19	3.24	239.38	43.97
2	Average Upload Throughput	(Mbits/s)	26.80	2.10	24.32	15.98
3	Latency (50th percentile)	in ms	15.65	34.86	17.38	30.40

The Drive test was conducted on National Highway(NH-52) from Jaipur to Churu passing through Govindgarh, Palsana, Bajor, Rashidpura, Fatehpur, Khotiya, Khasoli, etc.

(B) Sikar City & Nearby area including Salasar & Reengus (IDT from 14th

Oct to 16th Oct 2025):

S.No.	KPIs ((3G/2G mode)	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate %	%	99.65	93.38	99.66	98.63
2	Drop Call Rate %	%	0.00	2.84	0.69	0.35
3	Call Setup Time Average (Second)	sec	1.83	3.27	0.74	1.58
4	Call Silence rate (Mute Call)	%	0.00	0.34	2.46	1.45
5	Mean Opinion Score (MOS)	1-5	4.04	2.36	3.72	4.53

(i) Voice Services:

(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)	169.54	4.49	201.99	34.63
2	Average Upload Throughput	(Mbits/s)	27.24	3.14	23.24	13.06
3	Latency (50th percetile)	in ms	22.38	35.72	19.44	32.88

The drive test conducted in Sikar covered all important areas of Sikar city including surrounding nearby areas of Reengus, Dheengpur, Koor, Nechwa, Khatu, Subhash Chowk, Tilak Nagar, Radhakishan Pura, Jaipur-Jhunjhunu Bypass, Sabalpura, Salasar-Sikar Road, Juliasar, Jajod and Garoda, 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. For any clarification or additional information, an email can be sent to Regional office of TRAI at Jaipur on Email id adv.jaipur@traigov.in.

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