

TRAI Assesses Quality of Mobile across Bikaner City, Nokha & Shri Dungargarh towns , Deshnok to Norangdesar Highway (Part of Amritsar to Jamnagar Bharatmala National Highway(NH 754A)) & Pugal to Ranjeetpura National Highway (NH-911) in Bikaner District

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The Telecom Regulatory Authority of India (TRAI) released findings of Independent Drive Test (IDT) conducted across **Bikaner City, Nokha & Shri Dungargarh towns, Deshnok to Norangdesar Highway (Part of Amritsar to Jamnagar Bharatmala National Highway (NH 754A)) & Pugal to Ranjeetpura National Highway (NH-911) in Bikaner District in Rajasthan LSA**, during the month of January 2026, 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 in real-time and analysed 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 in **Bikaner district of Rajasthan** covering distance of 293.8 KMs in Bikaner City, Nokha & Shri Dungargarh towns, 41.1 Km of Deshnok to Norangdesar Highway and 104.2 Kms of Pugal to Ranjeetpura National Highway (NH-911) during 13.01.2026 to 16.01.2026. A summary of IDT findings of mobile services is given as below:

a. Bikaner City ,Nokha & Shri Dungargarh towns in Bikaner District.

(i) Voice Services

S.No.	KPIs (Auto-selection mode (5G/4G/3G/2G))	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate %	%	100.00	95.61	99.78	99.55
2	Drop Call Rate %	%	0.00	0.92	0.00	0.45

3	Call Setup Time Average (Second)	sec	1.82	1.71	0.57	1.10
4	Call Silence rate (Mute Call)	%	0.46	3.54	0.23	6.73
5	Mean Opinion Score (MOS)	1-5	4.05	3.38	4.55	4.53

(ii) Data Services:

S.No.	KPIs	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Average Download Throughput 5G	(Mbits/s)	225.02	NA	337.31	NA
2	Average Upload Throughput 5G	(Mbits/s)	33.60	NA	42.24	NA
3	Average Download Throughput 4G	(Mbits/s)	42.17	14.41	54.68	33.96
4	Average Upload Throughput 4G	(Mbits/s)	13.41	4.33	21.46	12.61
5	Latency (50th percetile)	in ms	25.17	39.96	24.12	33.64

b. Deshnok to Norangdesar Highway (Part of Amritsar to Jamnagar Bharatmala National Highway (NH 754A)) in Bikaner District:

(i) Voice Services

S.No.	KPIs (Auto-selection mode (5G/4G/3G/2G))	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate %	%	100.00	74.07	100.00	95.83
2	Drop Call Rate %	%	0.00	0.00	0.00	4.35
3	Call Setup Time Average (Second)	sec	1.89	2.19	0.86	1.76
4	Call Silence rate (Mute Call)	%	0.00	6.25	9.09	23.81
5	Mean Opinion Score (MOS)	1-5	3.78	3.03	3.58	3.60

(ii) Data Services:

S.No.	KPIs	Measured in	AIRTEL	BSNL	RJIL	VIL
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1	Average Download Throughput	(Mbits/s)	55.22	10.63	147.24	11.43
2	Average Upload Throughput	(Mbits/s)	7.27	2.63	9.83	5.71
3	Latency (50th percetile)	in ms	35.29	231.04	26.51	39.88

c. Pugal to Ranjeetpura National Highway (NH-911) in Bikaner District:

(i) Voice Services

S.No.	KPIs (Auto-selection mode (5G/4G/3G/2G))	Measured in	AIRTEL	BSNL	RJIL	VIL
1	Call Setup Success Rate %	%	88.64	64.91	100.00	18.82
2	Drop Call Rate %	%	12.82	24.32	2.50	31.25
3	Call Setup Time Average (Second)	sec	2.10	3.20	1.63	5.39
4	Call Silence rate (Mute Call)	%	7.69	4.35	5.00	NA
5	Mean Opinion Score (MOS)	1-5	3.90	3.38	4.25	2.26

(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)	70.17	9.53	91.80	0.04
2	Average Upload Throughput	(Mbits/s)	12.16	1.73	6.61	0.14
3	Latency (50th percetile)	in ms	30.61	42.90	37.14	860.39

The drive test covered all important areas of Bikaner City, Nokha & Shri Dungargarh towns, Deshnok to Norangdesar Highway (Part of Amritsar to Jamnagar Bharatmala National Highway (NH 754A)) & Pugal to Ranjeetpura NH-911 Highway city including Nokha, Bikasar, Budhro ki dhani, Rasisar, Palana, Udairamsagar, Gangashar, Sarah Kajani, Mukta Prasad Nagar, Norangdesar, Seruna, Jodhasar, Shri Dungargarh, Pugal to Ranjeetpura passing through Gangajali, Dantour, Miranwala, Karnisar, Miyawala, Kandharli and Gour etc.

The findings of this IDT report have been shared with respective TSPs for taking further necessary action at their end, if required. Detailed report of IDT is 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@trai.gov.in.

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