



TRAI Assesses Mobile Network Quality Across Kathgodam to Dehradun Railway under UPW LSA, during the month of August 2026

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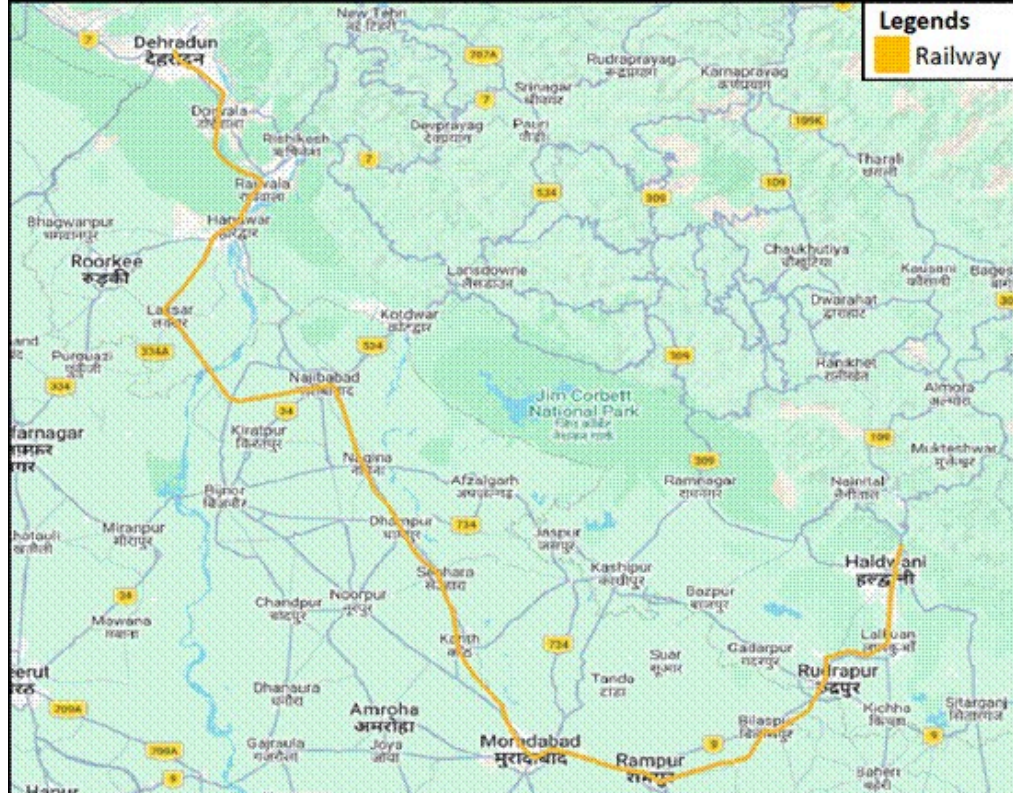
TRAI Assesses Mobile Network Quality Across Kathgodam to Dehradun Railway route passing through Haldwani, Lal Kuan, Rudrapur City, Rampur, Moradabad, Najibabad Junction, Haridwar etc.

The Telecom Regulatory Authority of India (TRAI) has released findings of Independent Drive Test (IDT) conducted through its appointed agency across Kathgodam to Dehradun Railway under UPW LSA, during the month of August 2026, for information of general telecom consumers. The purpose of this drive test is to assess and verify real time quality of mobile network services (both voice & data) provided by Telecom Service Providers (TSPs). The performance of TSPs for key Quality of Service (QoS) parameters, captured during IDT are published to inform Consumers and encourage TSPs to improve their services. These IDTs have been designed to capture on ground mobile network performance of all TSPs across diverse usages environment like cities, hotspots, public transport hubs, etc. `

These tests were conducted under the supervision of the TRAI Regional Office Bhopal. The observations presented in drive test reports represent the performance of the TSPs on the area/ route under test on the day/ time of conducting the drive test.

The drive tests conducted across City drive – 335.8 KMs Kathgodam to Dehradun Railway from 13th August 2026 in **UP West LSA**.

Drive Test Route Map: The following map provides overview of drive test routes indicating City drive, Inter-operator calling, Hotspots and Walk tests, as per the legends shown on the map: -



Key Parameters Assessed

1. **Coverage Gap:** Percentage of samples, for which signal strength observed less than the minimum prescribed signal strength for respective technology (2G/ 3G/ 4G/ 5G).
2. **Voice Services:** Call Setup Success Rate (CSSR), Drop Call Rate (DCR), Call Setup Time, Call Silence (Mute) Rate, Speech Quality (MOS).
3. **Call Silence (Mute) Instance:** Number of call silence (Mute) instance occurred during the calls.
4. **Data Servies:** Download/ Upload Throughput, Latency, Jitter, Packet Drop Rate

The overall mobile network performance in Kathgodam to Dehradun railway route for the key parameters has been summarised below: -

1. **Coverage Gap** - The signal strength observed during voice testing on the drive test route in auto-selection mode (5G/4G/3G/2G), measured as the number of samples having poor signal strength out of the total samples collected, were **2833/ 23986** for **Airtel**, **6638/ 23597** for **BSNL**, **1734/ 23643** for **RJIL** and **2774/ 24080** for **VIL** for Kathgodam to Dehradun railway route. Details of the coverage gaps have been provided in the map **Annexed**.
2. **Dropped Calls** - Dropped calls, measured as the number of dropped calls out of the number of successfully established calls, were **5/ 115** for **Airtel**, **24/ 129** for **BSNL**, **5/ 124** for **RJIL** and **6/ 126** for **VIL** for Kathgodam to Dehradun railway route. Details of the dropped call locations have been provided in the map **Annexed**.

d) Data Download and Upload Throughput:

- i) **Data Download performance (Overall):** Average download speed was observed as **113.02 Mbps** for **Airtel (5G)**, **10.84 Mbps** for **BSNL (4G)**, **156.76 Mbps** for **RJIL (5G)** and **36.32 Mbps** for **VIL (5G)** for Kathgodam to Dehradun

railway route. Detail of Download throughput has been provided in the map **Annexed**.

ii) **Data Upload performance (Overall)**: Average upload speed was observed as **16.60 Mbps** for **Airtel (5G)**, **4.83 Mbps** for **BSNL (4G)**, **18.18 Mbps** for **RJIL (5G)** and **8.47 Mbps** for **VIL (5G)** for Kathgodam to Dehradun railway route. Detail of Upload throughput has been provided in the map **Annexed**.

Locations of Dropped Calls can be seen by clicking red dot on the map **Annexed**.

Details of drive test route and area covered during the IDT is as under: -

1. **Railway Route** - Kathgodam to Dehradun passing through Haldwani, Lal Kuan, Rudrapur City, Rampur, Moradabad, Najibabad Junction, Haridwar etc.

Click here to see Annexure:-

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