TRAI released findings of Independent Drive Test (IDT) conducted across Adoni - Mantralayam and Hyderabad nearby areas, during the month of September 2026

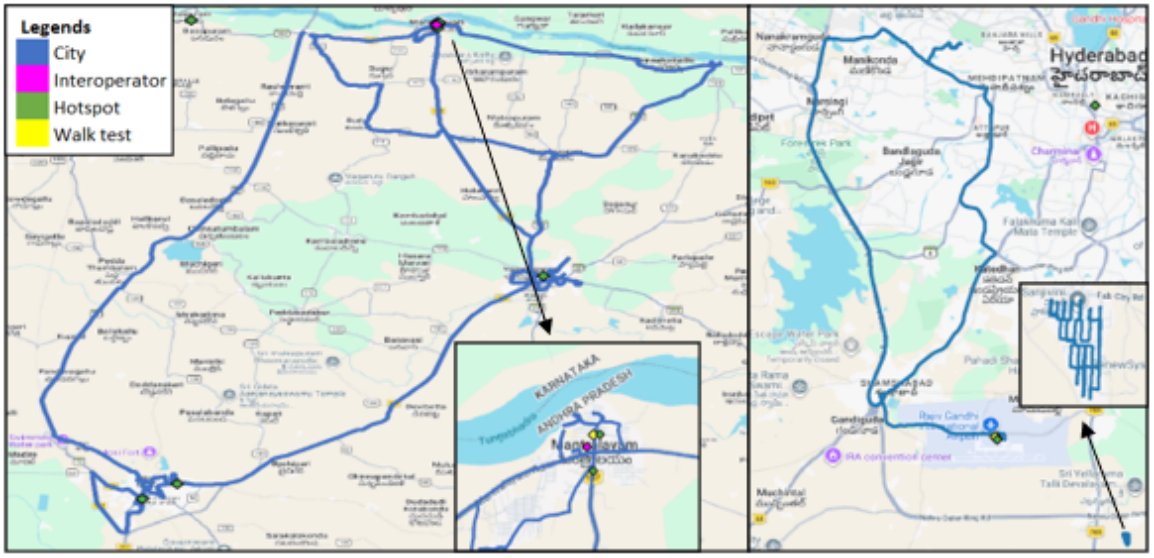
Posted On: 30 OCT 2026 3:04PM by PIB Delhi

The Telecom Regulatory Authority of India (TRAI) has released findings of Independent Drive Test (IDT) conducted across **Adoni - Mantralayam and Hyderabad nearby areas** , during the month of September 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). During the IDT, TRAI captures performance of TSPs for key Quality of Service (QoS) parameters like Coverage, Call Drop Rate (CDR), Call Setup Success Rate (CSSR), data Download (DL) and Upload (UL) throughput etc., which are then 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. 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.

TRAI, through its appointed agency, conducted drive tests across City drive – 1. Hyderabad 63 Kms, Hotspot locations –2 and walk test 21.5Km, during 15th-16th September 2026 in AP LSA. 2.Kurnool District Adoni-Mantralayam and nearby areas 201.8Kms, Hotspot locations – 6, during 17th-18th September 2026 in AP LSA. These tests were conducted under the supervision of the TRAI Regional Office Hyderabad. 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.

Drive Test Route Map: The following map provides overview of drive test routes indicating City drive, Inter-operator calling and Hotspots, 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 Rate, Speech Quality (MOS).
3. Call Silence Instance: Number of call silence instance occurred during the calls.
4. Data Servies: Download/ Upload Throughput, Latency, Jitter, Packet Drop Rate

The overall mobile network performance in Balasore City for the key parameters has been summarised below: -

The overall mobile network performance across Hyderabad city and nearby areas (Andhra Pradesh LSA)

a) 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, was 321/8478 for Airtel, 2014/7767 for BSNL, 1439/7740 for RJIL and 1139/8287 for VIL. Details of the coverage gaps have been provided in the map Annexed.

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 Limited service out of the total samples collected, was 0/8478 for Airtel, 0/7767 for BSNL, 0/7740 for RJIL and 0/8287 for VIL. Details of the coverage gaps have been provided in the map Annexed.

b) Dropped Calls - Dropped calls, measured as the number of dropped calls out of the number of successfully established calls, were 0/74 for Airtel, 4/72 for BSNL, 1/74 for RJIL and 0/71 for VIL. Details of the dropped call locations have been provided in the map Annexed.

c) Call Silence Instance - Call silence instances, measured as the total number of silence instances observed for > 3 seconds out of the total calls established, were 0/69 for Airtel, 0/58 for BSNL 6/67 RJIL and 6/69 for VIL. Details of the call silence instance locations have been provided in the map Annexed.

d) Out of the total calls established, the number of calls with a poor speech quality score (**Mean Opinion Score below 3)** were 19/441 for Airtel, 201/326 for BSNL, 66/453 for RJIL and 44/460 for VIL.

e) Data Download and Upload Throughput:

i) Data Download performance (Overall): Average download speed was observed as 82.88 Mbps for Airtel (5G/4G), 7.13 Mbps for BSNL (3G), 145.79 Mbps for RJIL (5G/4G) and 41.41 Mbps for VIL (5G/4G/2G). Detail of Download throughput has been provided in the map Annexed.

ii) Data Upload performance (Overall): Average upload speed was observed as 14.75 Mbps for Airtel (5G/4G), 4.35 Mbps for BSNL (3G), 11.40 Mbps for RJIL (5G/4G) and 12.83 Mbps for VIL (5G/4G/2G). Detail of Upload throughput has been provided in the map Annexed

The overall mobile network performance across Adoni-Mantralayam and nearby areas (Andhra Pradesh LSA)

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, was 1323/37685 for Airtel, 8339/35351 for BSNL, 633/36991 for RJIL and 4155/37273 for VIL. Details of the coverage gaps have been provided in the map Annexed.

   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 Limited service out of the total samples collected, was 0/37685 for Airtel, 140/35351 for BSNL, 0/36991 for RJIL and 6/37273 for VIL. Details of the coverage gaps have been provided in the map Annexed.

   b) Dropped Calls - Dropped calls, measured as the number of dropped calls out of the number of successfully established calls, were 0/331 for Airtel, 15/317 for BSNL, 0/330 for RJIL and 6/310 for VIL. Details of the dropped call locations have been provided in the map Annexed.

   c) Call Silence Instance - Call silence instances, measured as the total number of silence instances observed for > 3 seconds out of the total calls established, were 12/313 for Airtel, 29/291 for BSNL 2/314 RJIL and 11/307 for VIL. Details of the call silence instance locations have been provided in the map Annexed.

   d) Out of the total calls established, the number of calls with a poor speech quality score (**Mean Opinion Score below 3)** were 83/2431 for Airtel, 1022/1993 for BSNL, 157/2630 for RJIL and 150/2564 for VIL.

   e) Data Download and Upload Throughput:

   i) Data Download performance (Overall): Average download speed was observed as 118.55 Mbps for Airtel (5G/4G), 10.19 Mbps for BSNL (3G), 209.11 Mbps for RJIL (5G/4G) and 12.27 Mbps for VIL (5G/4G/2G). Detail of Download throughput has been provided in the map Annexed.

ii) Data Upload performance (Overall): Average upload speed was observed as 18.73 Mbps for Airtel (5G/4G), 6.05 Mbps for BSNL (3G), 14.20 Mbps for RJIL (5G/4G) and 5.37 Mbps for VIL (5G/4G/2G). Detail of Upload throughput has been provided in the map Annexed.

Locations of Dropped Calls and Call Silence instances 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:-

City:

Hyderabad - Khajaguda, Narsingi, Attapur, Anergia, Pashambanda, Shamshabad, Gollapalle Khurd, Manchirevula and Vishal Sanjivini etc.

Adoni - Mantralayam and nearby area-Basaladoddi, Chinnatumbalam, Kup Gal, Ballekallu, Pandavagallu, Adoni, yemminganur, Halaharvi, Mantralayam, Rachumarri, Sunkeswari, Budur, Nandavaram and Chinnakottaliki etc.

Walk Test- 1. AIG Hospital Gachibowli Hyderabad 2. My Home Raka-Hafeezpet-Hyderabad 3. Rajiv Gandhi International Airport Hyderabad 4. Sri Raghavendra Swamy Matha Mantralayam

Hotspot - The hot spot locations, capturing stationary user experience are 1. Adoni Arts and Science College 2. Area Hospital Yemmiganur 3. General Post Office Koti Hyderabad 4. Mantralayam Bus Stand 5. Mantralayam Road Railway Station 6. Rajiv Gandhi International Airport Hyderabad 7. Senior Civil Court Adoni 8. Sri Raghavendra Swamy Matha Mantralayam

The findings of this IDT report have been shared with respective TSPs for taking further necessary action at their end. 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 adv.hydreabad@trai.gov.in or Regional Office of TRAI can be contacted on telephone no. 040-23000761.

Click here to see Annexure

*****

PSF/AR

(Release ID: 2330384) Visitor Counter : 214
Read this release in: Urdu , हिन्दी , Tamil

Share

1324 words | 5 min read