

Information Note to the Press (Press Release No. 96 / 2026)

TELECOM REGULATORY AUTHORITY OF INDIA

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New Delhi, 20 July 2026 For Immediate
Release

TRAI Assesses Mobile Network Quality Across Dhanpur, Jeehan, Karot Khas, Bharti, Paddar, Bharin, Bhota, Aghar and Ladraur etc. under Hamirpur and nearby areas & Harlog, Bhager, Auhar, Bharari, Zakatkhana, Jabal, Thapna, Swarghat, Jamli, Kothipura, Ghaghas, Dehar and Salaper etc. under Bilaspur and nearby areas.

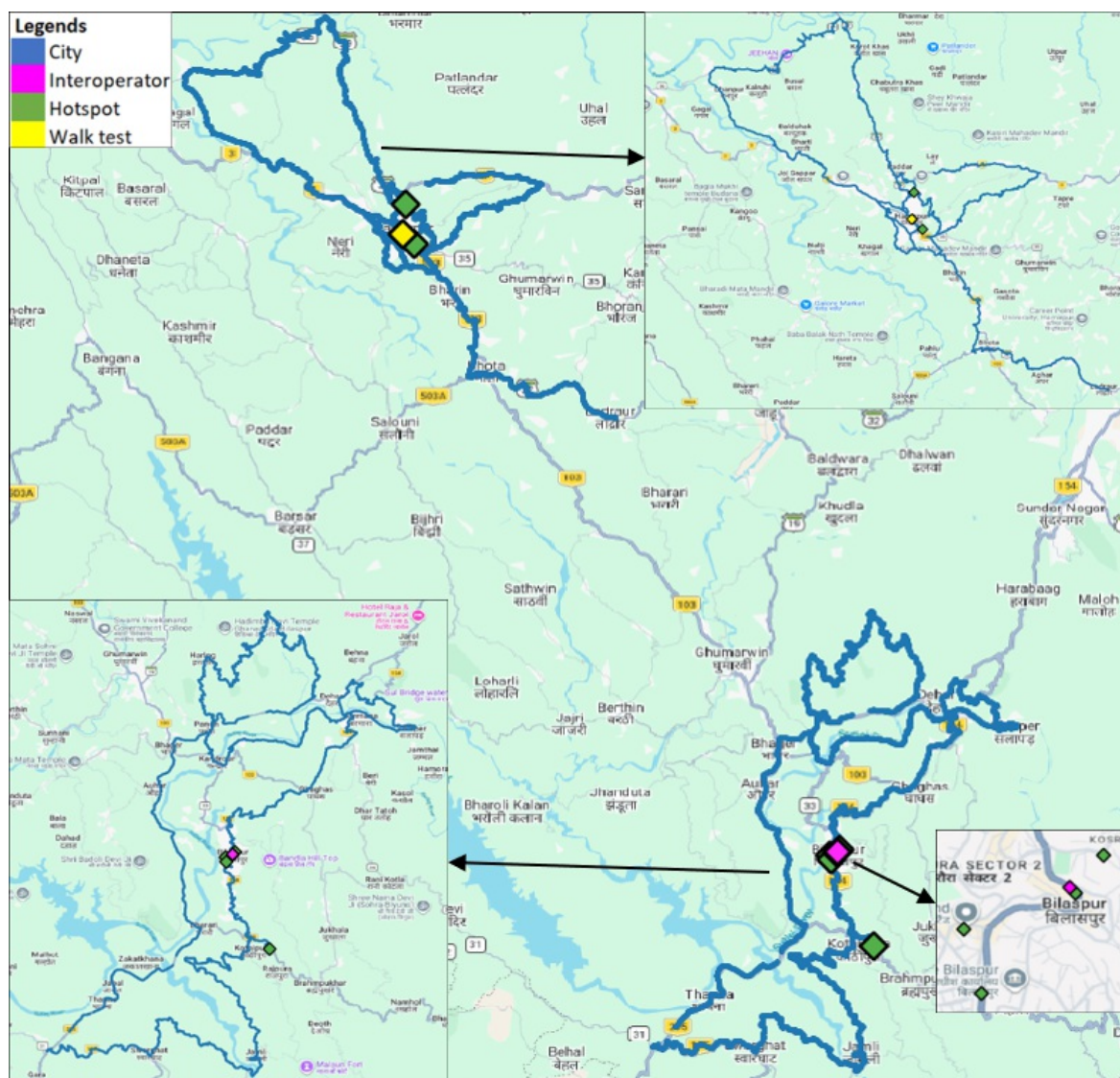
The Telecom Regulatory Authority of India (TRAI) has released findings of Independent Drive Test (IDT) conducted across Hamirpur & Bilaspur and nearby areas Route under HP LSA, during the month of May 2026, for information of general telecom consumers. The purpose of this drive test is to assess and 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.

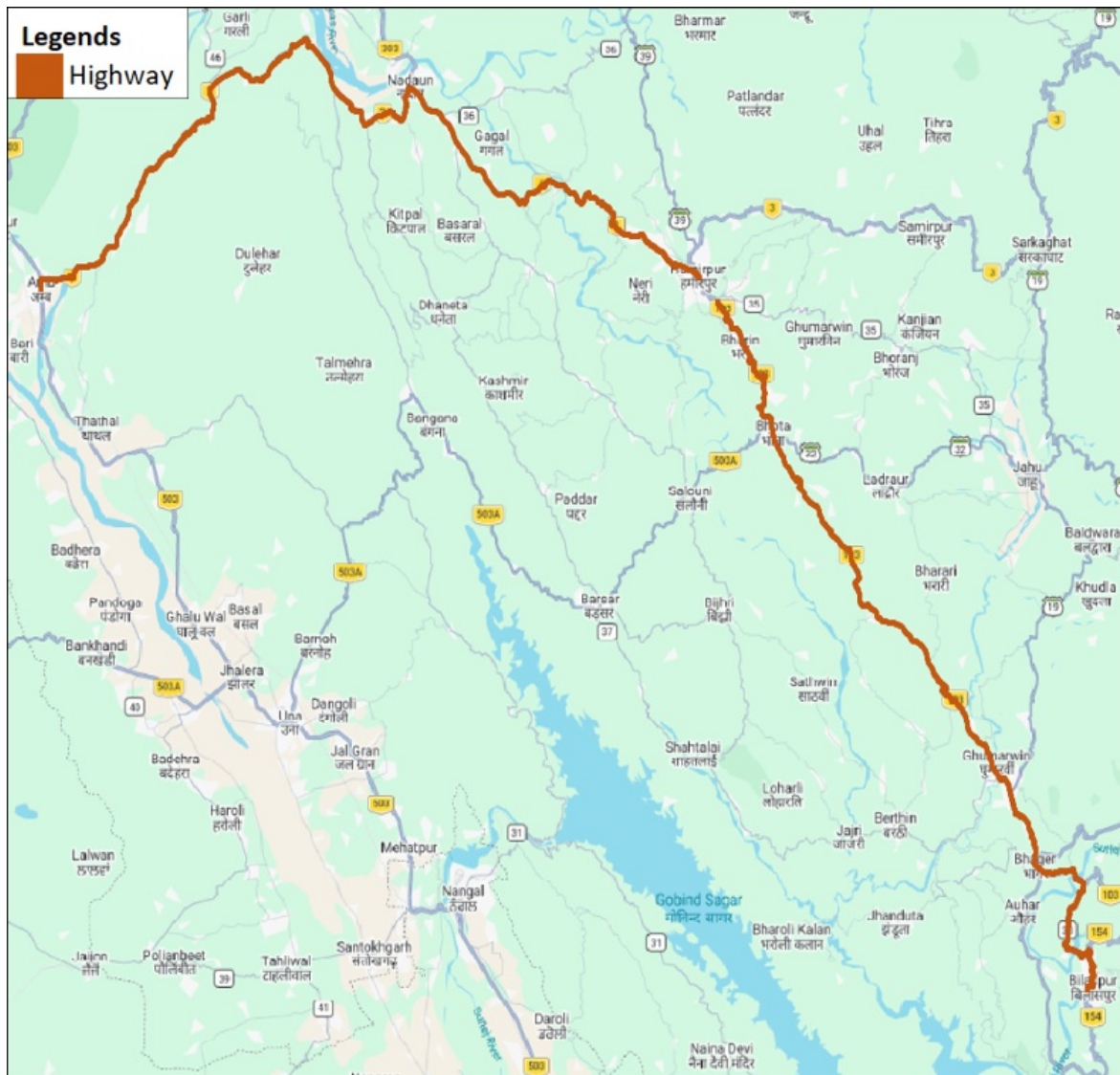
2. These IDTs have been designed to capture on ground mobile network performance of all TSPs across diverse usages environment like cities, hotspots, public transport hubs, etc. In this type of drive testing, live data and voice sessions are established using SIM cards from all TSPs over 2G, 3G, 4G and 5G networks. Multiple advanced test handsets are used, and the sessions are monitored and analyzed in real-time using advanced Software Systems.

3. TRAI, through its appointed agency, conducted drive tests across Railway Drive from Chandigarh to Amb - 168.0 Km, Highway Drive - 119.0 Km, City drive - 290.6 Km, Hotspot locations - 08, Walk Test - 2.5 Km and Inter Operator Calling

at 01 location during 12th May 2026 to 16th May 2026 in HP LSA. These tests were conducted under the supervision of the TRAI Regional Office Delhi. 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.

4. Drive Test Route Map: The following map provides overview of drive test routes indicating Railway Drive, Highway Drive, City drive, Hotspots, walk tests & Inter-operator calling, as per the legends shown on the map: -







5. Key Parameters Assessed

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

6. The overall mobile network performance in **Hamirpur and nearby areas** route for the key parameters has been summarized below: -

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 479/16503 for Airtel, 2232/16232 for BSNL, 272/15571 for RJIL and 2401/16460 for VIL. Details of the coverage gaps have been provided in the map of Annexure-I.

b) Dropped Calls - Dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G), measured as the number of dropped calls out of the number of successfully established calls, were 0/148 for Airtel, 18/151 for BSNL, 0/148 for RJIL and 1/148 for VIL. Details of the dropped call locations have been provided in the map of Annexure-I.

c) Call Silence Instance - Call silence instances in Auto-selection mode (5G/4G), measured as the total number of silence instances observed for > 3 seconds out of the total calls established, were 5/143 for Airtel, 12/118 for BSNL, 4/143 for RJIL and 1/145 for VIL. Details of the call silence instance locations have been provided in the map of Annexure-I.

d) Data Download and Upload Throughput:

i) Data Download performance (Overall): Average download speed was observed as 171.15 Mbps for Airtel (5G), 11.29 Mbps for BSNL (4G), 243.12 Mbps for RJIL (5G) and 13.51 Mbps for VIL (4G). Detail of Download throughput has been provided in the map of Annexure-I.

ii) **Data Upload performance (Overall):** Average upload speed was observed as 18.38 Mbps for Airtel (5G), 4.81 Mbps for BSNL (4G), 19.81 Mbps for RJIL (5G) and 6.35 Mbps for VIL (4G). Details of Upload throughput have been provided in the map of Annexure-I.

Locations of Dropped Calls and Call Silence instances can be

seen by clicking red dot on the map of Annexure-I.

7. The overall mobile network performance in Bilaspur and nearby areas route for the key parameters has been summarized below: -

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 902/18816 for Airtel, 5774/17483 for BSNL, 658/19006 for RJIL and 6806/18548 for VIL. Details of the coverage gaps have been provided in the map of Annexure-II.

b) Dropped Calls - Dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G), measured as the number of dropped calls out of the number of successfully established calls, were 2/170 for Airtel, 29/159 for BSNL, 3/173 for RJIL and 11/170 for VIL. Details of the dropped call locations have been provided in the map of Annexure-II.

c) Call Silence Instance - Call silence instances in Auto-selection mode (5G/4G), measured as the total number of silence instances observed for > 3 seconds out of the total calls established, were 10/163 for Airtel, 6/100 for BSNL, 4/167 for RJIL and 7/164 for VIL. Details of the call silence instance locations have been provided in the map of Annexure-II.

d) Data Download and Upload Throughput:

i) Data Download performance (Overall): Average download speed was observed as 87.49 Mbps for Airtel (5G), 6.92 Mbps for BSNL (4G), 172.19 Mbps for RJIL (5G) and 13.62 Mbps for VIL (4G). Detail of Download throughput has been provided in the map of Annexure-II.

ii) Data Upload performance (Overall): Average upload speed was observed as 11.82 Mbps for Airtel (5G), 3.78 Mbps

for BSNL (4G), 14.45 Mbps for RJIL (5G) and 3.96 Mbps for VIL (4G). Details of Upload throughput have been provided in the map of Annexure-II.

Locations of Dropped Calls and Call Silence instances can be seen by clicking red dot on the map of Annexure-II.

8. The overall mobile network performance in Highway route from Amb to Hamirpur for the key parameters has been summarized below: -

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 433/6059 for Airtel, 4070/8372 for BSNL, 120/6097 for RJIL and 2091/5625 for VIL. Details of the coverage gaps have been provided in the map of Annexure-III.

b) Dropped Calls - Dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G), measured as the number of dropped calls out of the number of successfully established calls, were 0/30 for Airtel, 18/50 for BSNL, 0/31 for RJIL and 8/35 for VIL. Details of the dropped call locations have been provided in the map of Annexure-III.

c) Call Silence Instance - Call silence instances in Auto-selection mode (5G/4G), measured as the total number of silence instances observed for > 3 seconds out of the total calls established, were 3/30 for Airtel, 4/43 for BSNL, 1/30 for RJIL and 2/31 for VIL. Details of the call silence instance locations have been provided in the map of Annexure-III.

d) Data Download and Upload Throughput:

i) Data Download performance (Overall): Average download speed was observed as 146.26 Mbps for Airtel (5G), 9.57 Mbps for BSNL (4G), 250.71 Mbps for RJIL (5G) and

9.76 Mbps for VIL (4G). Detail of Download throughput has been provided in the map of Annexure-III.

ii) Data Upload performance (Overall): Average upload speed was observed as 15.77 Mbps for Airtel (5G), 5.03 Mbps for BSNL (4G), 22.81 Mbps for RJIL (5G) and 5.00 Mbps for VIL (4G). Details of Upload throughput have been provided in the map of Annexure-III.

Locations of Dropped Calls and Call Silence instances can be seen by clicking red dot on the map of Annexure-III.

9. The overall mobile network performance in Highway route from Hamirpur to Bilaspur for the key parameters has been summarized below: -

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 36/5892 for Airtel, 1114/5621 for BSNL, 34/5868 for RJIL and 1050/5779 for VIL. Details of the coverage gaps have been provided in the map of Annexure-IV.

b) Dropped Calls - Dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G), measured as the number of dropped calls out of the number of successfully established calls, were 0/30 for Airtel, 8/31 for BSNL, 0/30 for RJIL and 2/29 for VIL. Details of the dropped call locations have been provided in the map of Annexure-IV.

c) Call Silence Instance - Call silence instances in Auto-selection mode (5G/4G), measured as the total number of silence instances observed for > 3 seconds out of the total calls established, were 0/29 for Airtel, 9/32 for BSNL, 1/29 for RJIL and 0/30 for VIL. Details of the call silence instance locations have been provided in the map of Annexure-IV.

d) Data Download and Upload Throughput:

i) Data Download performance (Overall): Average download speed was observed as 176.88 Mbps for Airtel (5G), 5.44 Mbps for BSNL (4G), 221.34 Mbps for RJIL (5G) and 10.59 Mbps for VIL (4G). Detail of Download throughput has been provided in the map of Annexure-IV.

ii) Data Upload performance (Overall): Average upload speed was observed as 17.67 Mbps for Airtel (5G), 3.89 Mbps for BSNL (4G), 15.83 Mbps for RJIL (5G) and 5.89 Mbps for VIL (4G). Details of Upload throughput have been provided in the map of Annexure-IV.

Locations of Dropped Calls and Call Silence instances can be seen by clicking red dot on the map of Annexure-IV.

10. The overall mobile network performance in **Railway route from Chandigarh to Amb for the key parameters has been summarized below: -**

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 312/11112 for Airtel, 1501/10604 for BSNL, 341/11115 for RJIL and 1318/11020 for VIL. Details of the coverage gaps have been provided in the map of Annexure-V.

b) Dropped Calls - Dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G), measured as the number of dropped calls out of the number of successfully established calls, were 0/55 for Airtel, 8/55 for BSNL, 0/55 for RJIL and 2/55 for VIL. Details of the dropped call locations have been provided in the map of Annexure-V.

c) Data Download and Upload Throughput:

i) Data Download performance (Overall): Average download speed was observed as 165.09 Mbps for Airtel (5G), 12.77 Mbps for BSNL (4G), 195.53 Mbps for RJIL (5G)

and 27.16 Mbps for VIL (5G). Detail of Download throughput has been provided in the map of Annexure-V.

ii) Data Upload performance (Overall): Average upload speed was observed as 25.67 Mbps for Airtel (5G), 8.66 Mbps for BSNL (4G), 17.83 Mbps for RJIL (5G) and 15.48 Mbps for VIL (5G). Details of Upload throughput has been provided in the map of Annexure-V.

Locations of Dropped Calls and Call Silence instances can be seen by clicking red dot on the map of Annexure-V.

11. Details of drive test route and area covered during the IDT are as below: -

a) City - The areas covered in the city drive are Dhanpur, Jeehan, Karot Khas, Bharti, Paddar, Bharin, Bhota, Aghar and Ladraur etc. under Hamirpur and nearby areas & Harlog, Bhager, Auhar, Bharari, Zakatkhana, Jabal, Thapna, Swarghat, Jamli, Kothipura, Ghaghas, Dehar and Salaper etc. under Bilaspur and nearby areas.

b) Highway - The area covered in the Highway route are Amb to Hamirpur via Lohara Khas, Jawar, Nadaun, Bharti and Jol Sappar etc. & Hamirpur to Bilaspur via Bharin, Bhota, Dain, Ukhali, Dangar, Dadhol, Naswal, Ghumarwin, Bhager, Kandroun and Upper Nihal etc.

c) Railway - The area covered in the Railway route is Chandigarh to Amb Via Sahibzada Asngr, Morinda, Rupnagar, Anandpur Sahib, Nangal Dam, Una Himachal.

d) Hotspot - The hotspot locations, capturing stationary user experience are AIIMS Bilaspur, Bilaspur Bus Stand, DC Office Bilaspur, Dr Radhakrishnan Govt Medical College Hospital, Hamirpur, Government Post Graduate College Bilaspur, ISBT Hamirpur, National Institute of Technology, Hamirpur and Purnam Mall Bilaspur.

e) Walk Test - The walk test conducted on 14th May 2026, covered Main Bazar Hamirpur capturing mobile network behaviors in crowded pedestrian environments.

12. 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.ca@traigov.in or Regional Office of TRAI at Delhi RO can be contacted on telephone no. +91-11-20907772.

Vivek Khare
20/7/2026
(Vivek Khare)

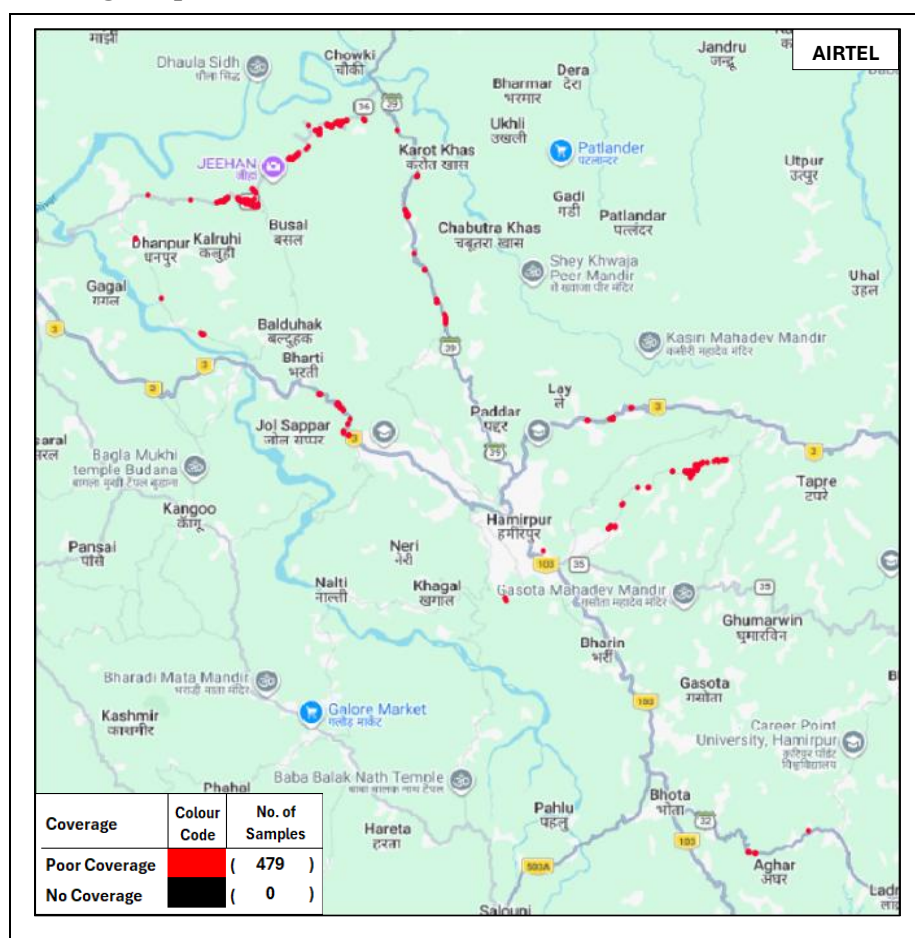
Advisor, RO Delhi, TRAI

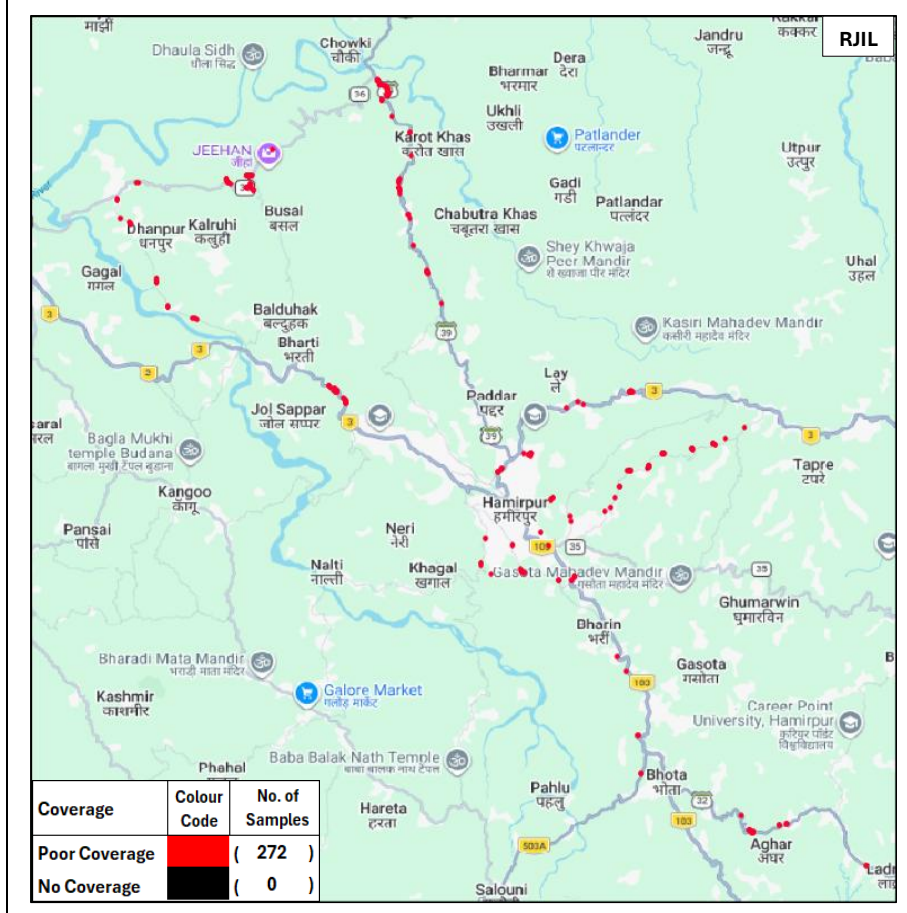
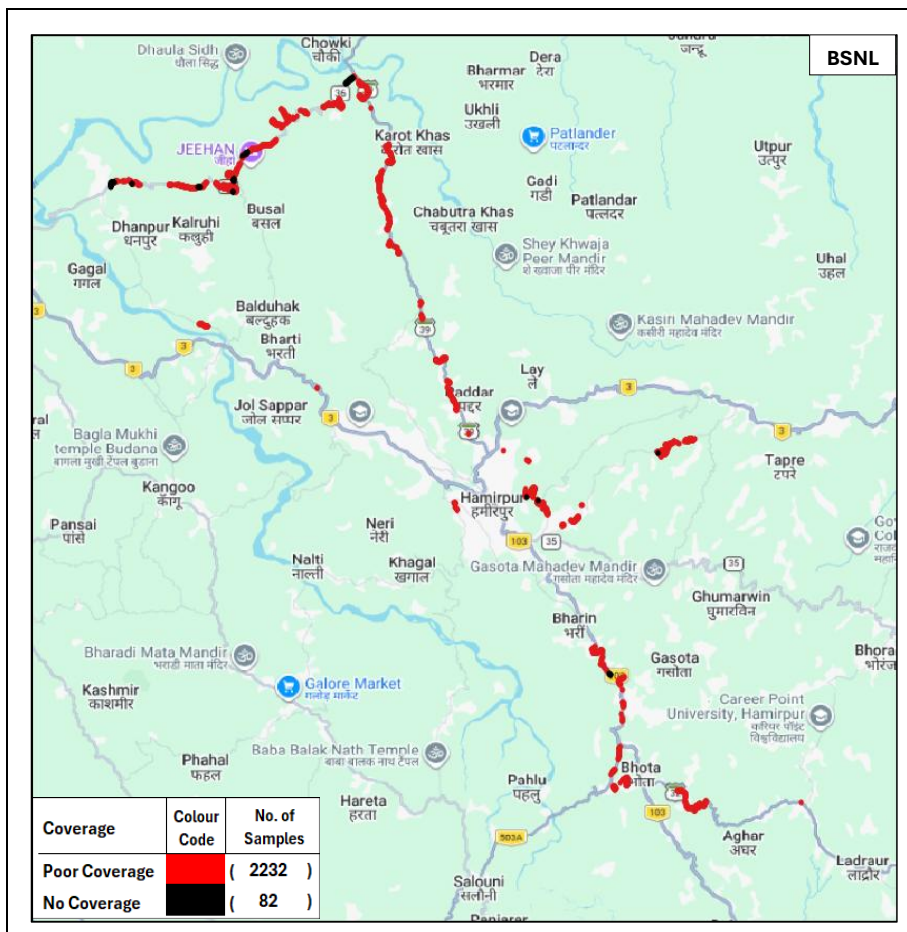
1. Hamirpur City:

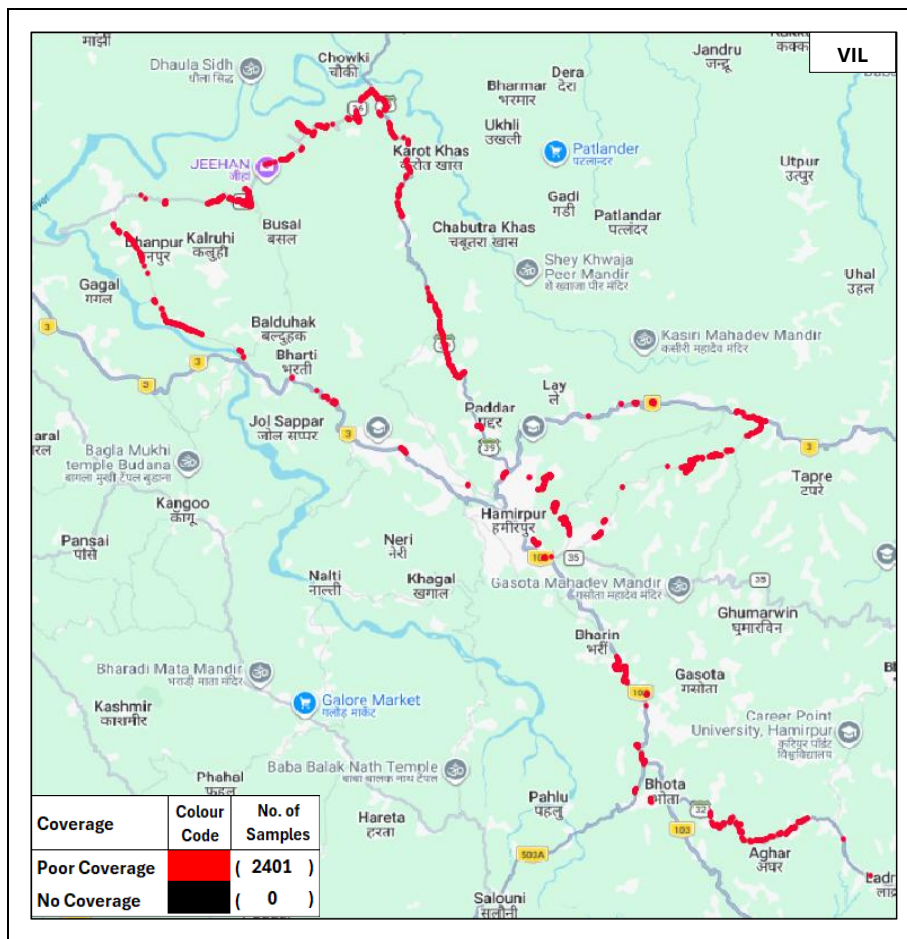
- a) **Coverage Gap** – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	16503	16232	15571	16460
Number of Samples having poor signal strength	479	2232	272	2401
Number of Samples having limited service (No Coverage)	0	82	0	0

Note: Signal strength has been considered poor if it falls below –110 dBm for 5G & 4G, –90 dBm for 3G, and –85 dBm for 2G.

Coverage Gap observed



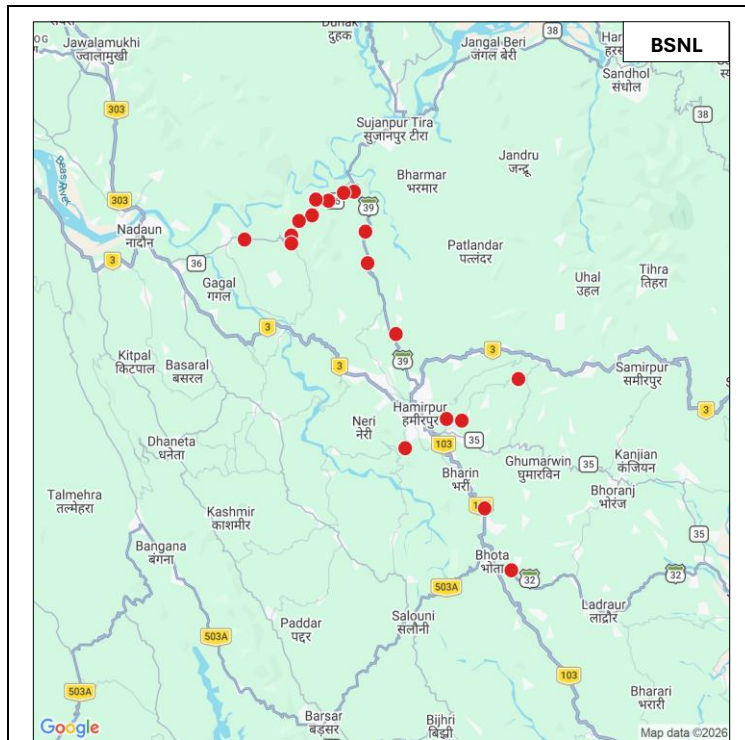


Note: Plot is based on Dynamic Drive Test results only

b) **Dropped Calls** - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	148	151	148	148
Number of dropped Calls	0	18	0	1

Locations of Dropped Calls

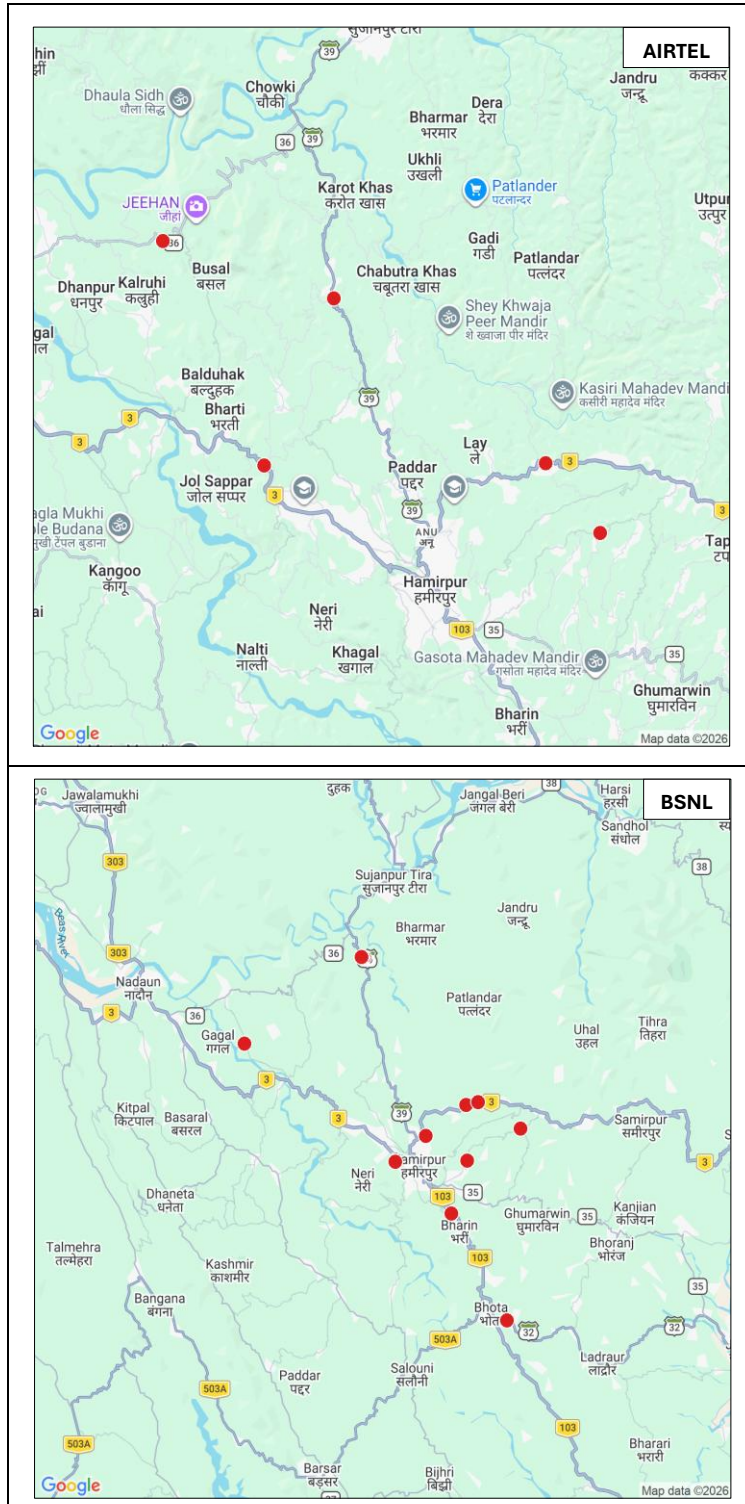


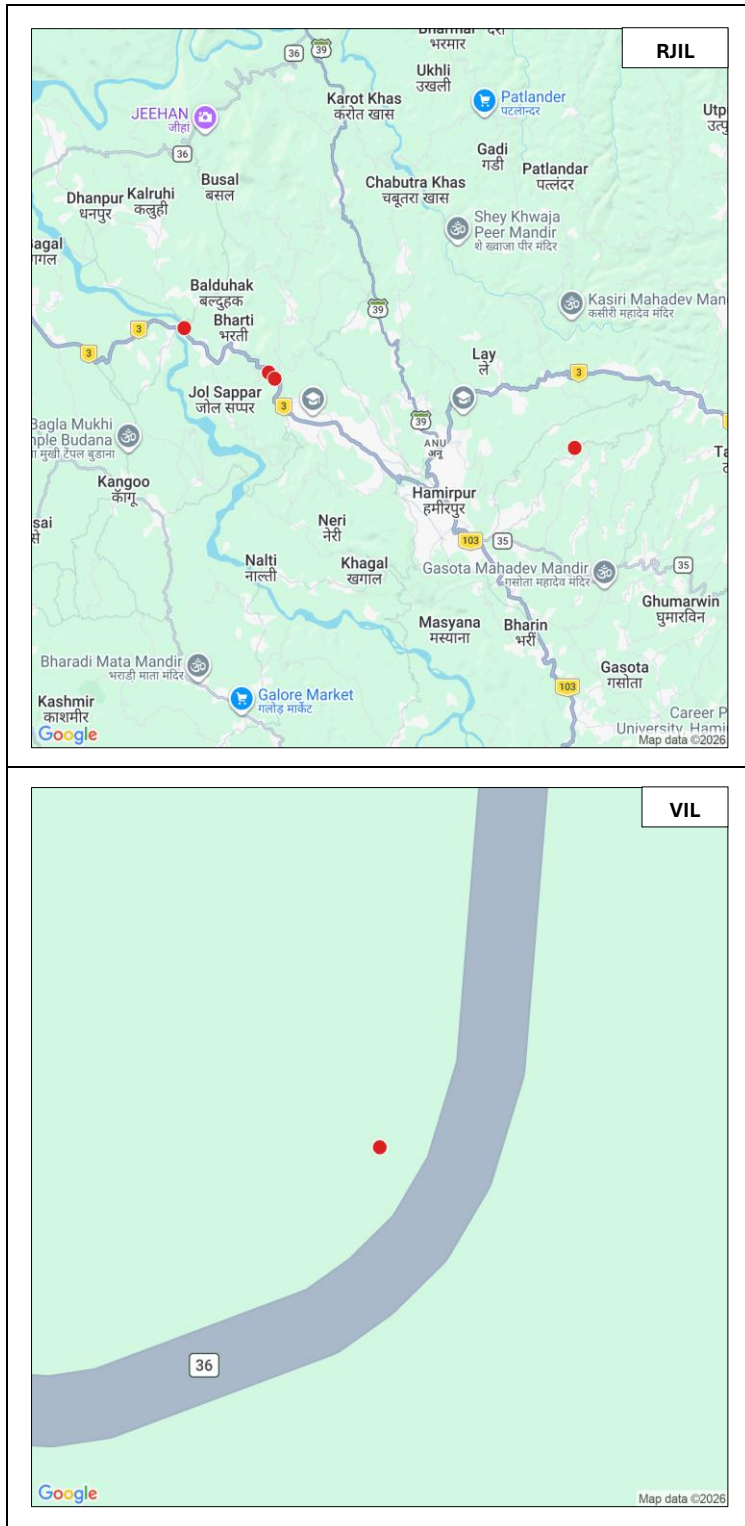
Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

- c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	143	118	143	145
Number of silences calls for >3 Sec	5	10	3	1
Total number of silence instances for >3 Sec	5	12	4	1

Locations of Call Silence Instance



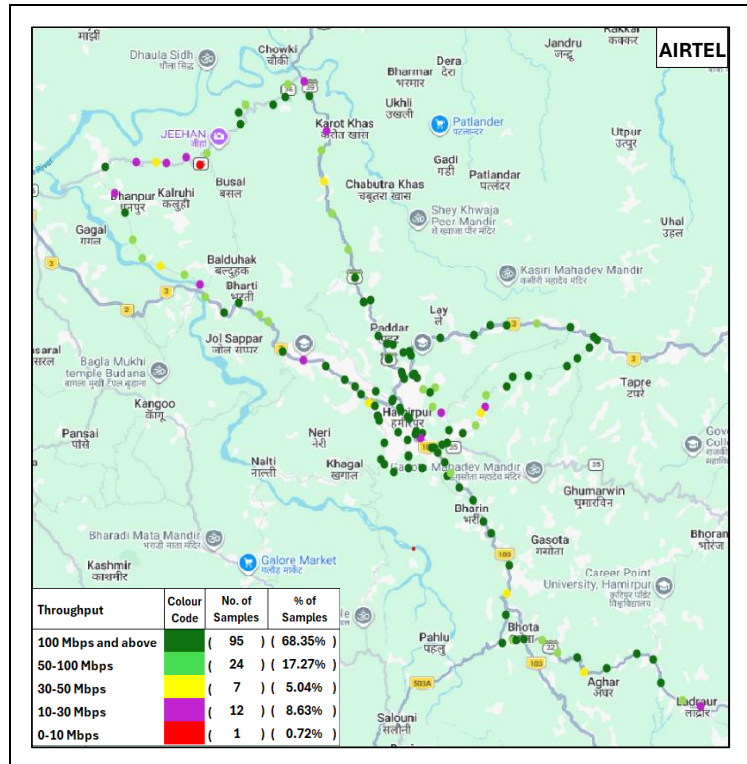


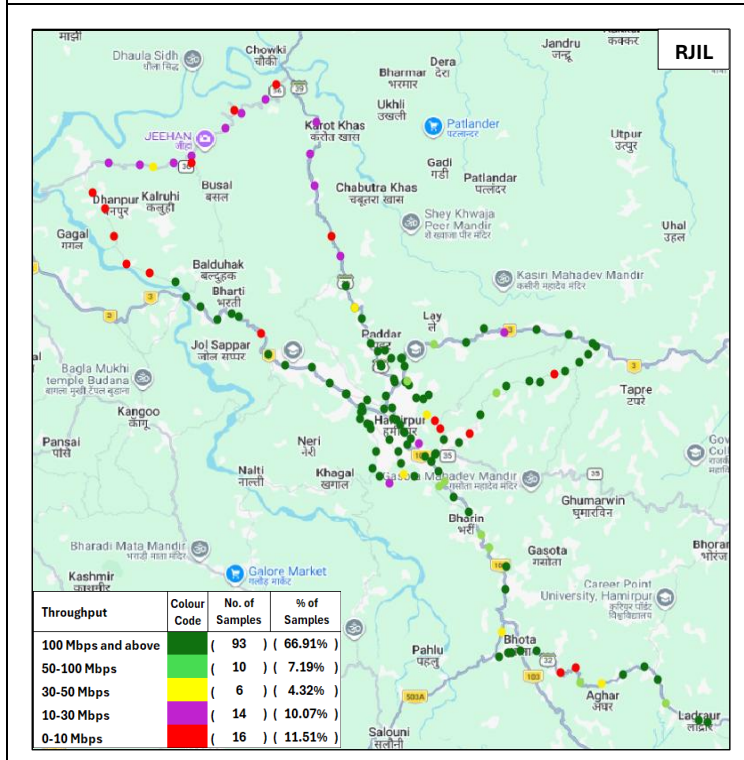
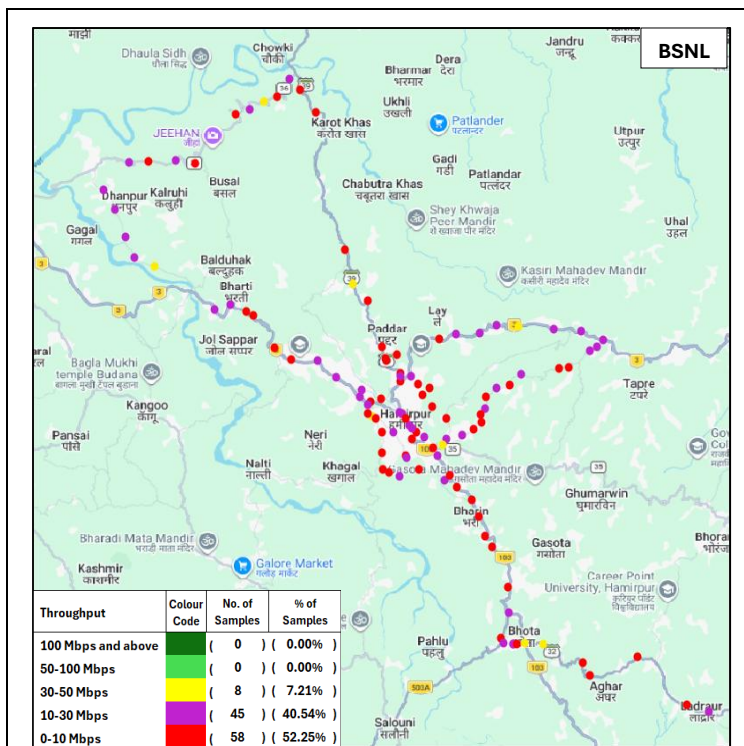
Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

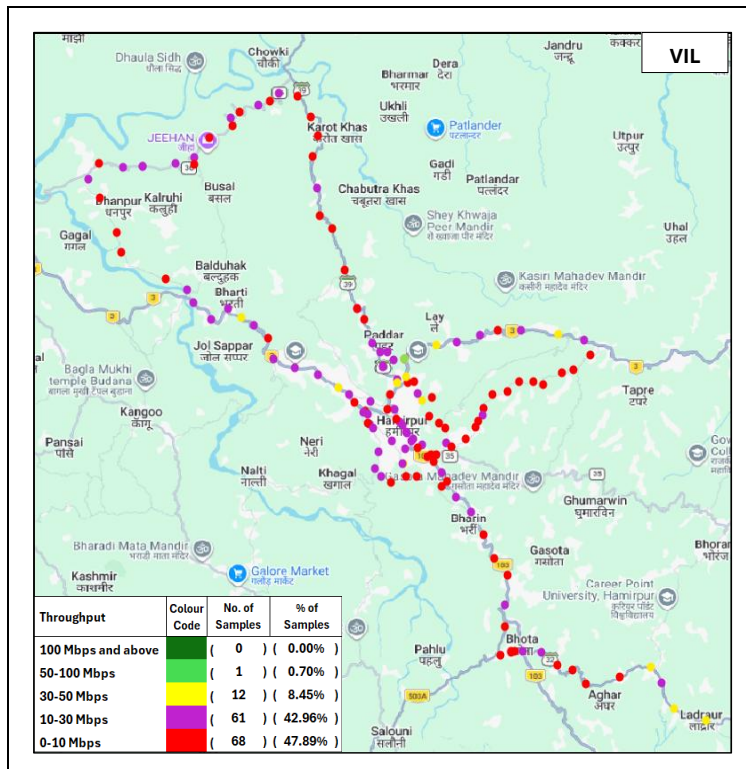
- d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below: -

(i) **Download Throughput**

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	10.07	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	171.15	11.29	243.12	13.51



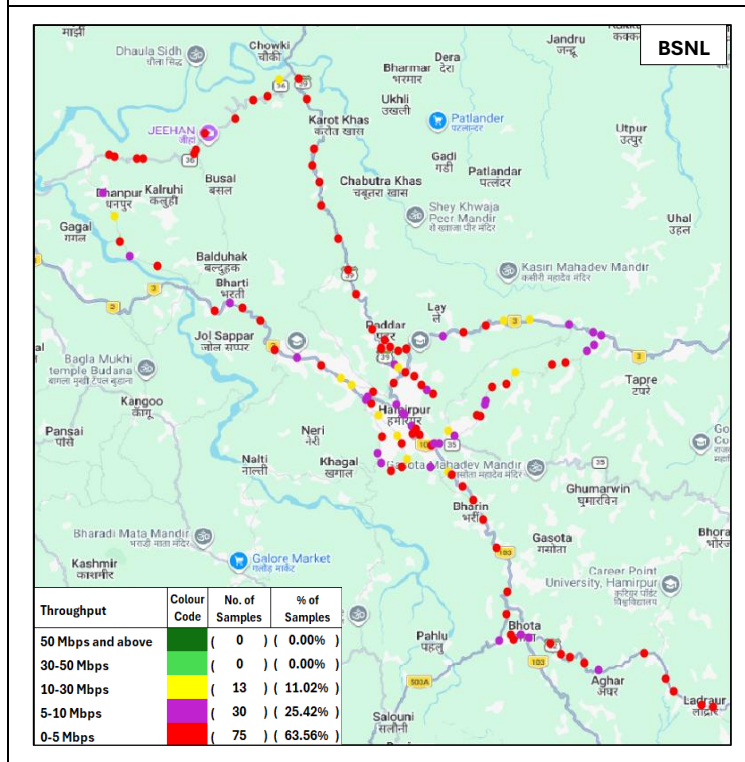
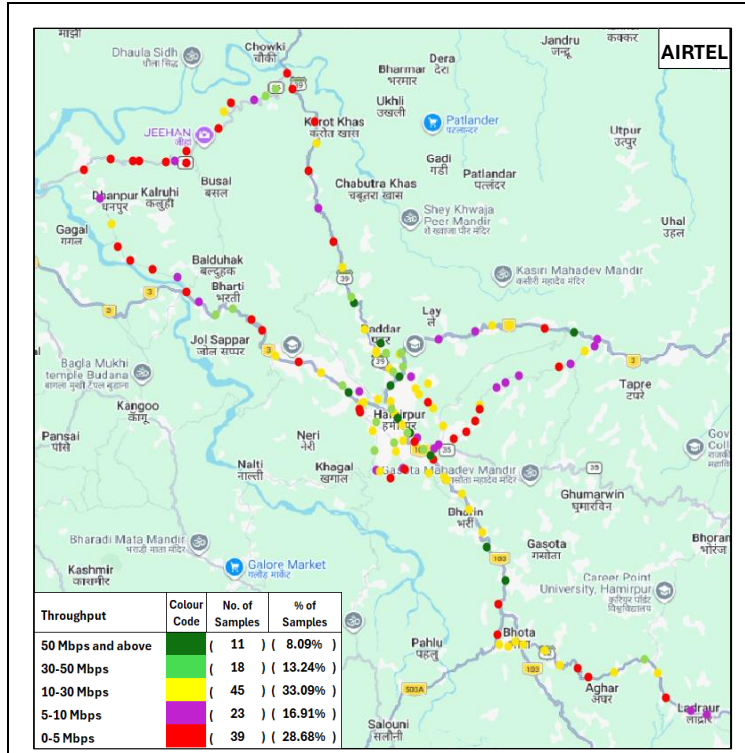


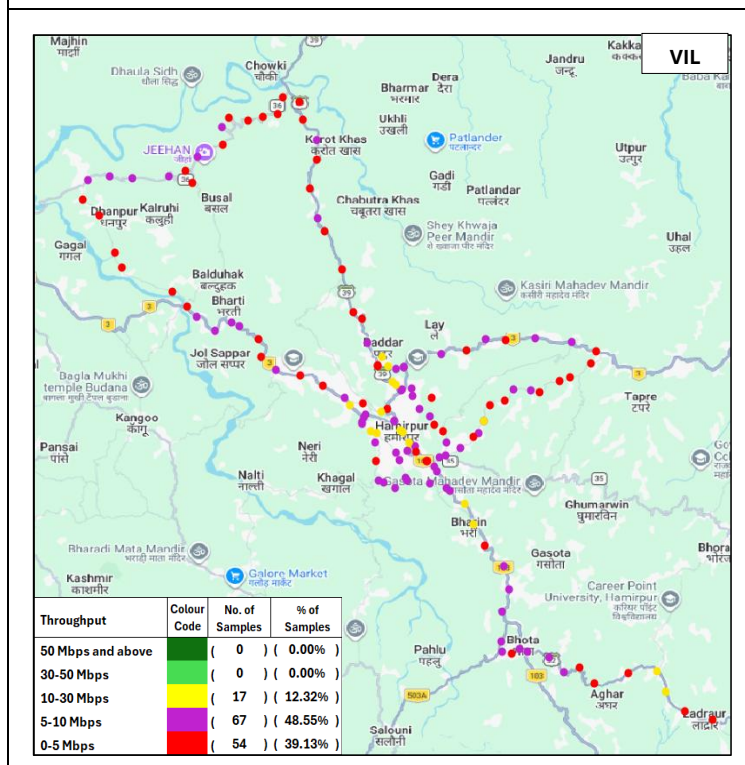
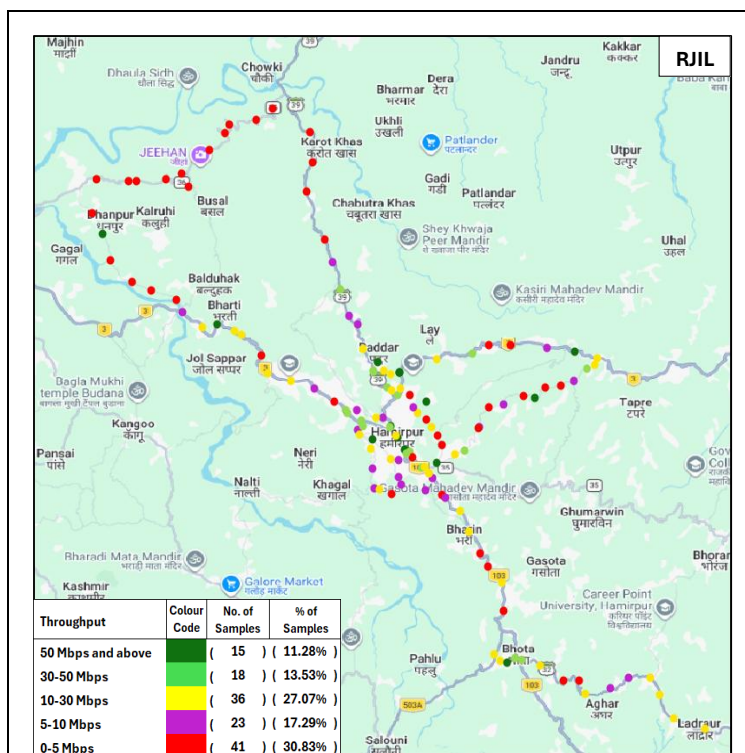


Note: Plot is based on Dynamic Drive Test results only

(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	3.63	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	18.38	4.81	19.81	6.35





Note: Plot is based on Dynamic Drive Test results only

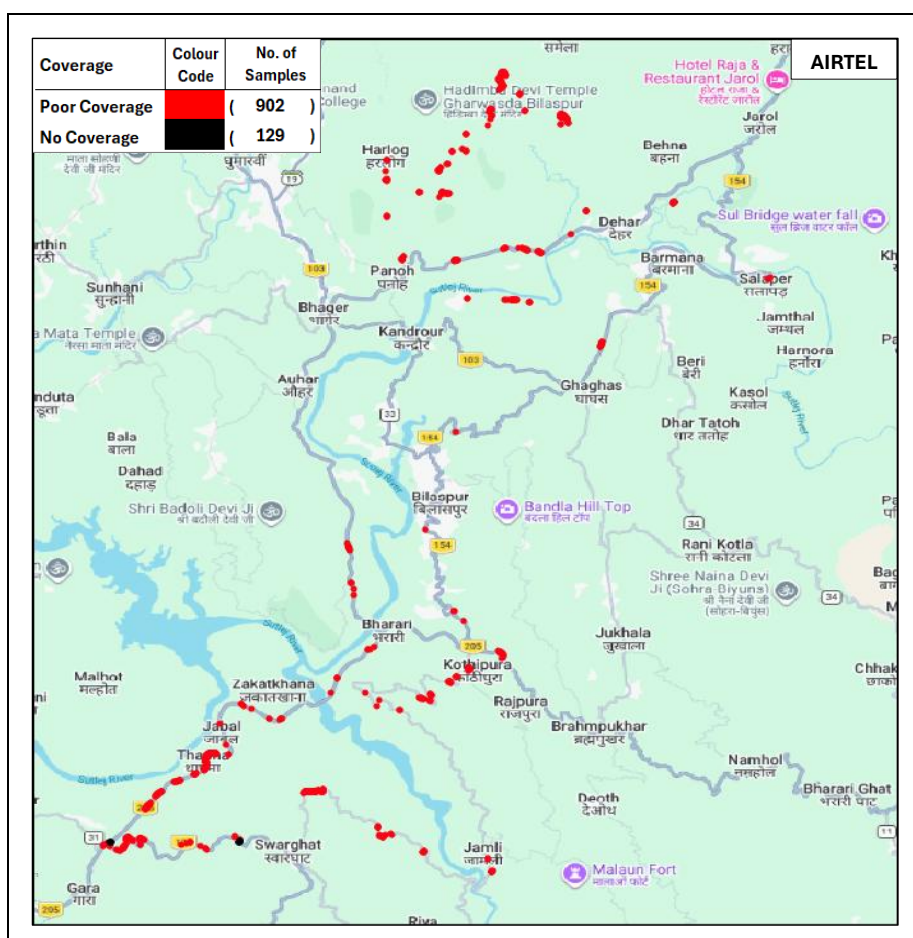
2. Bilaspur City:

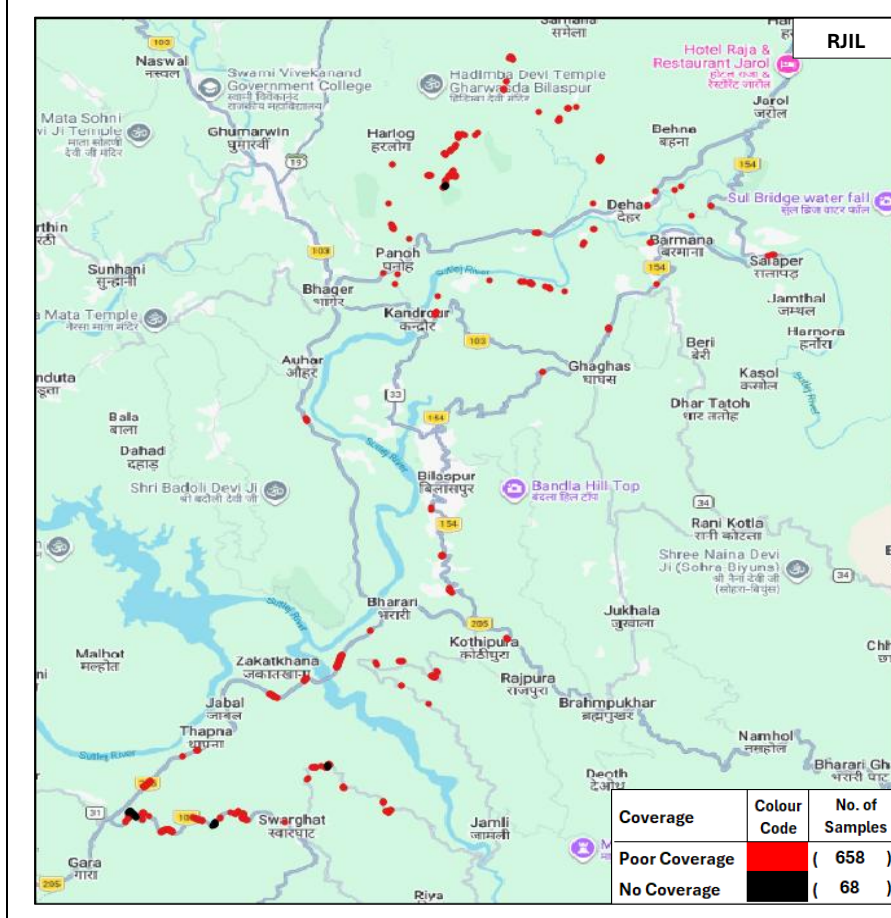
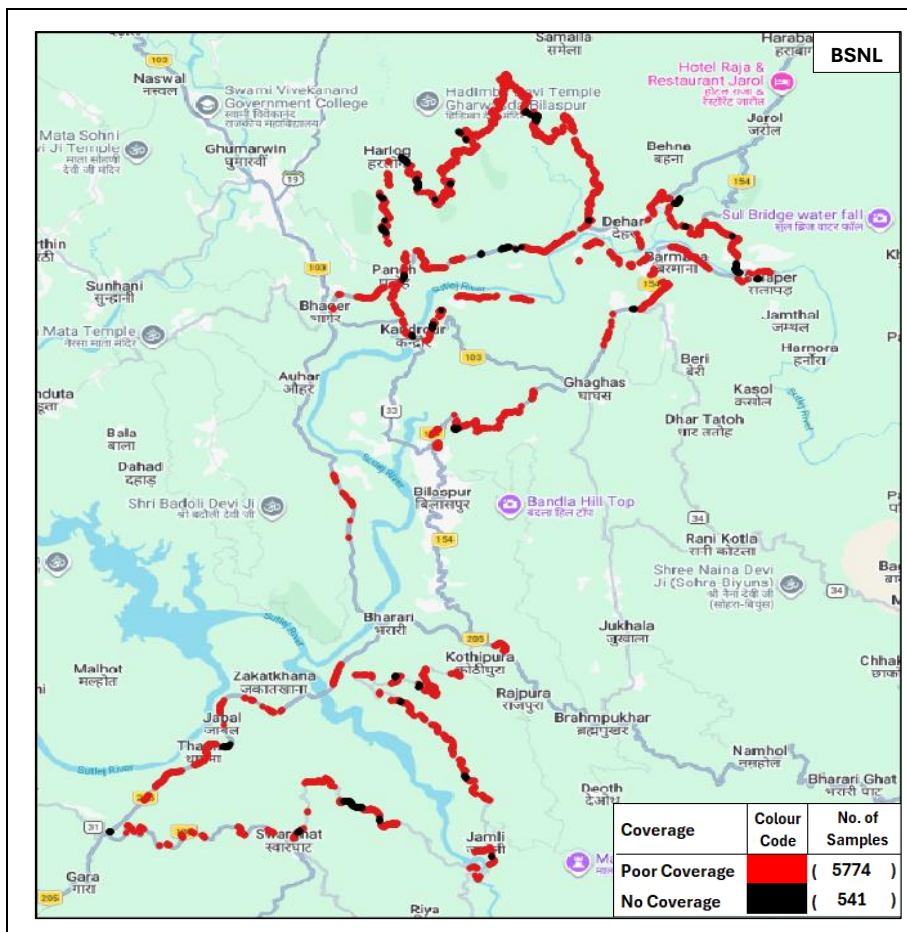
- a) **Coverage Gap** – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below: -

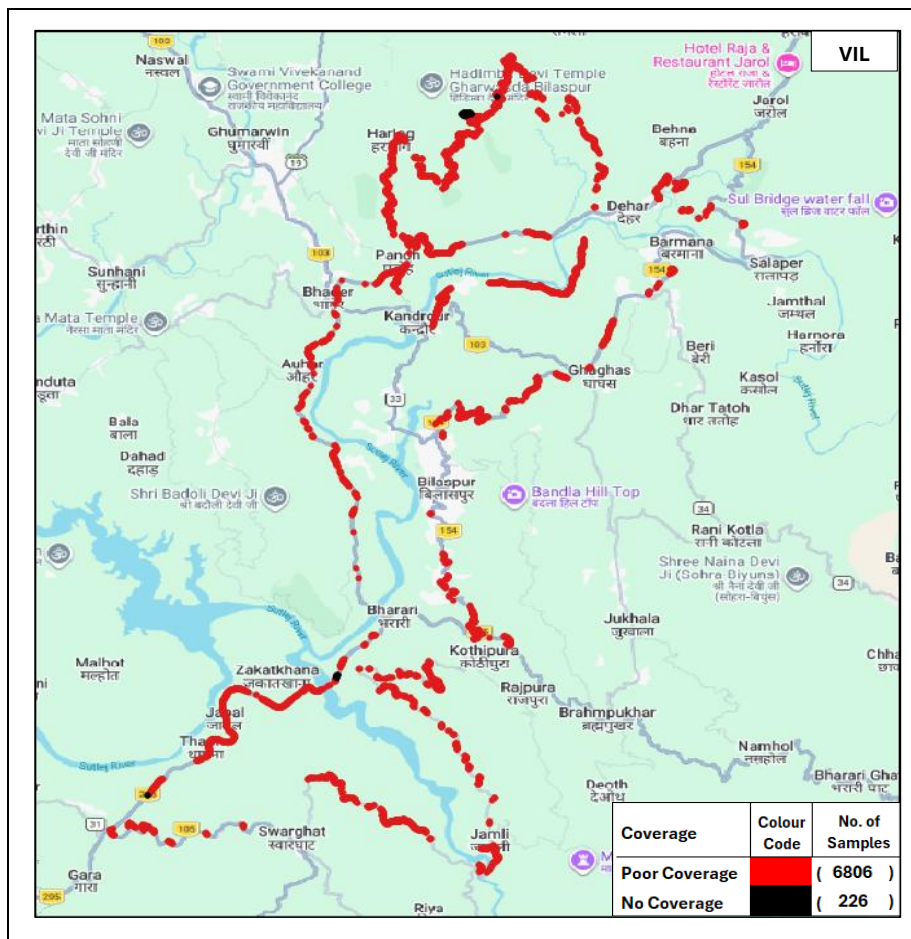
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	18816	17483	19006	18548
Number of Samples having poor signal strength	902	5774	658	6806
Number of Samples having limited service (No Coverage)	129	541	68	226

Note: Signal strength has been considered poor if it falls below –110 dBm for 5G & 4G, –90 dBm for 3G, and –85 dBm for 2G.

Coverage Gap observed





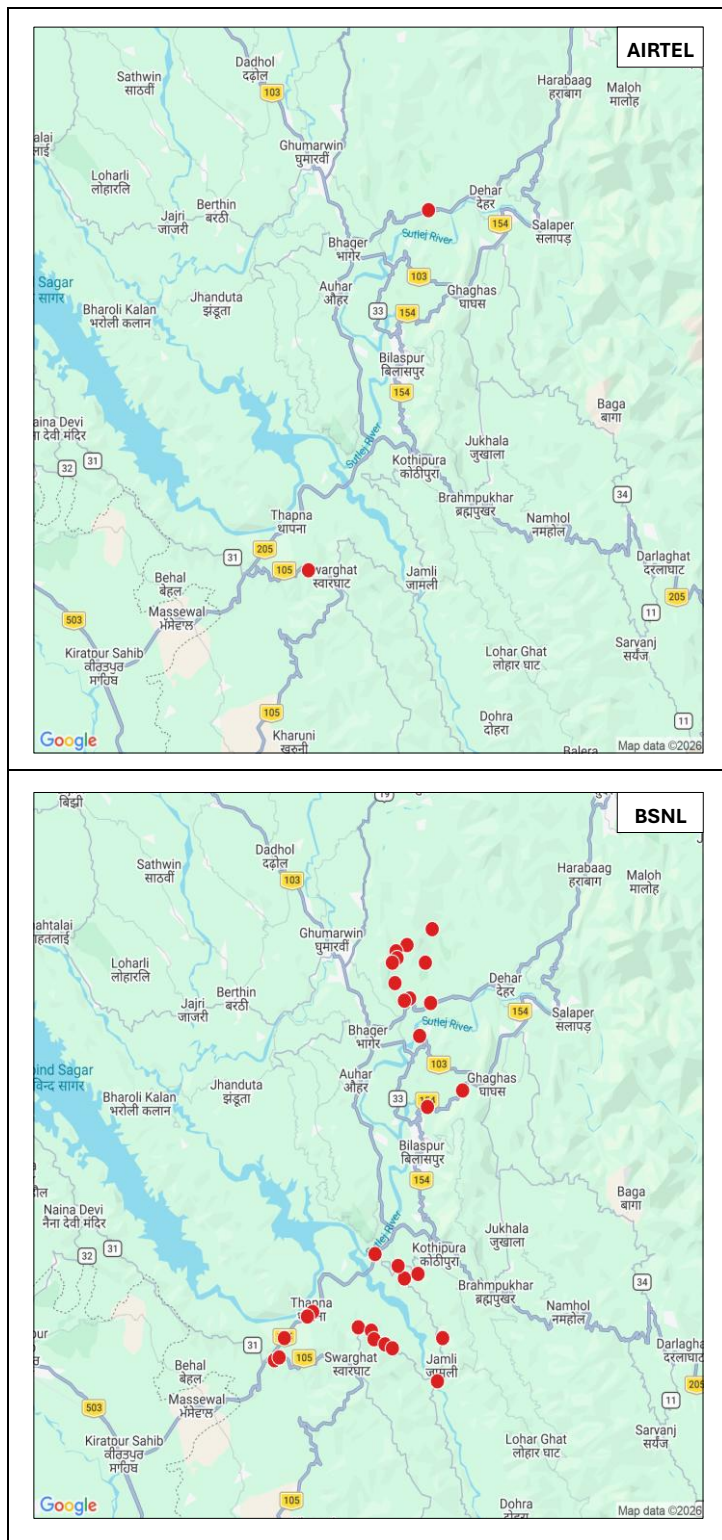


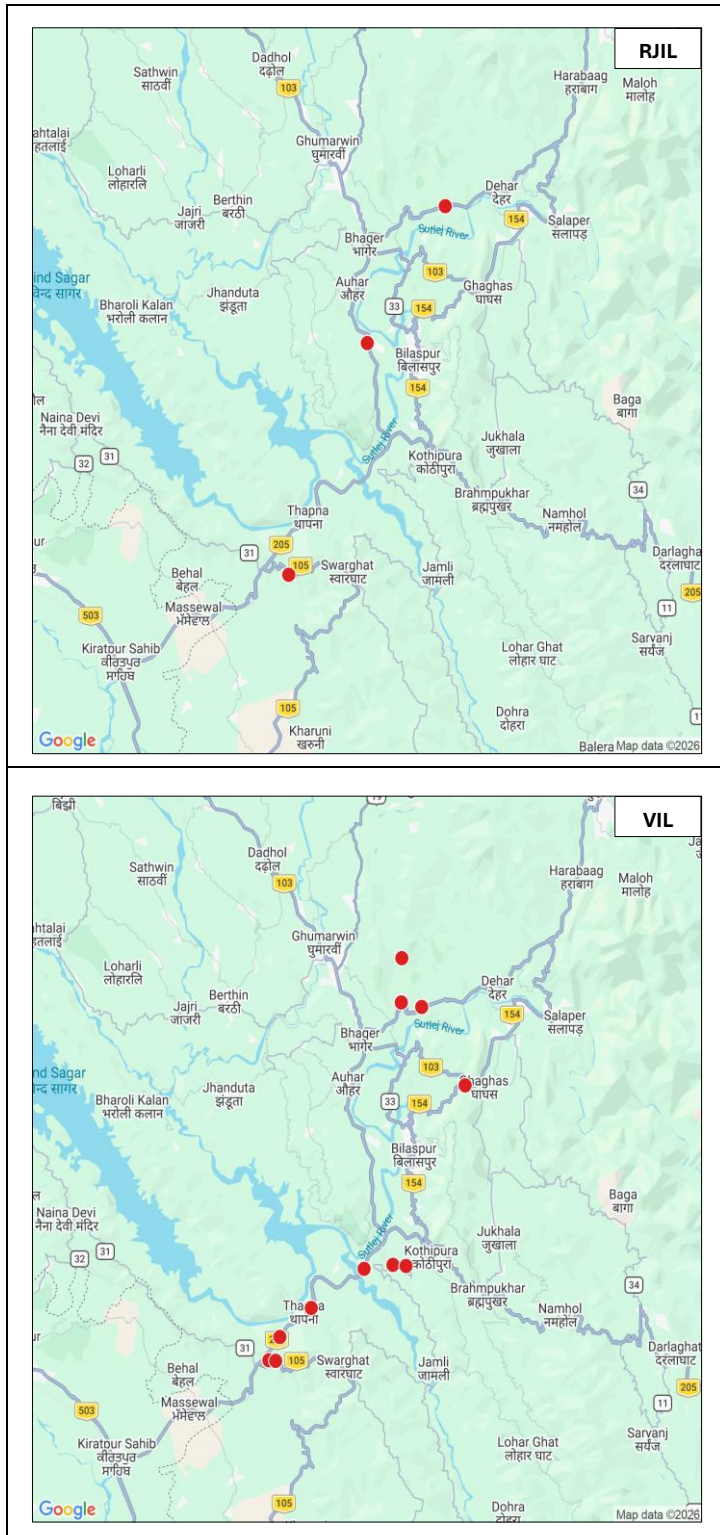
Note: Plot is based on Dynamic Drive Test results only

b) **Dropped Calls** - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	170	159	173	170
Number of dropped Calls	2	29	3	11

Locations of Dropped Calls



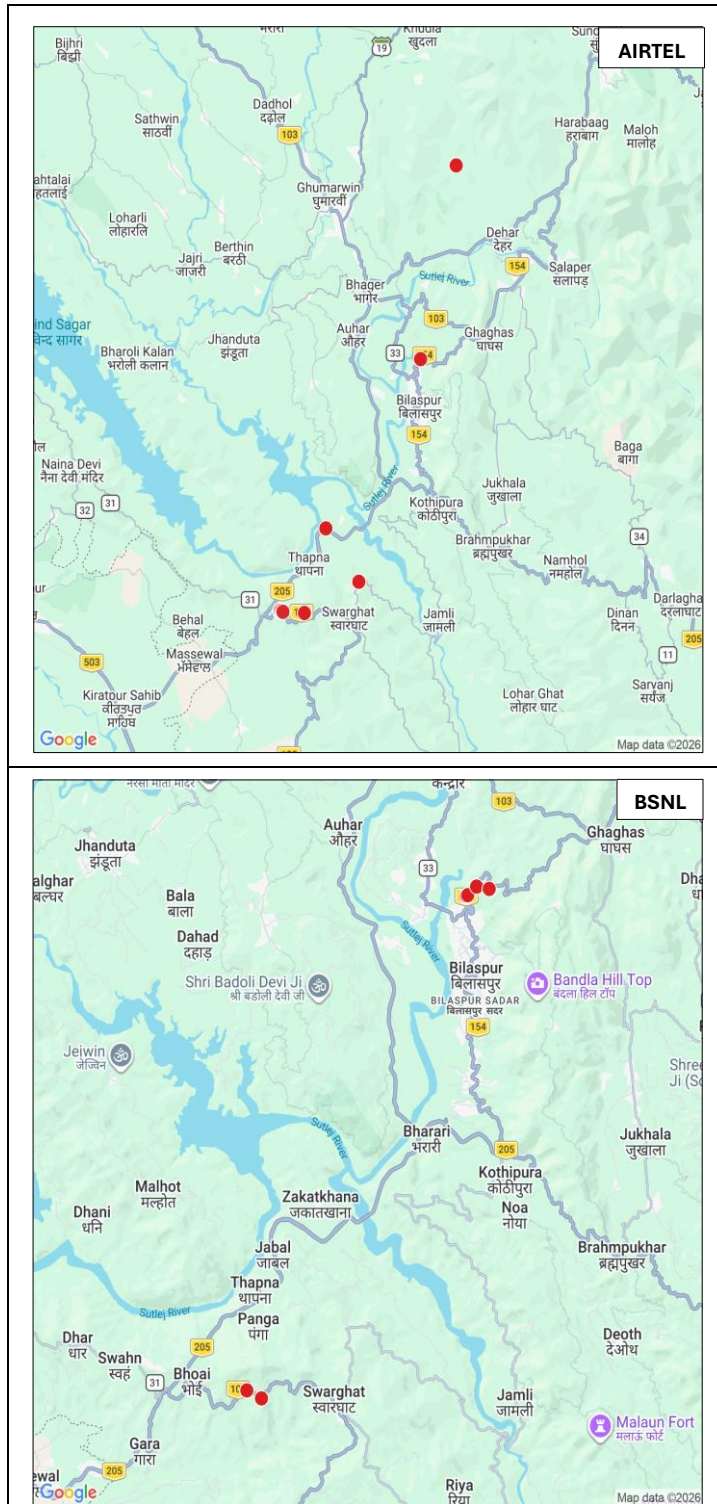


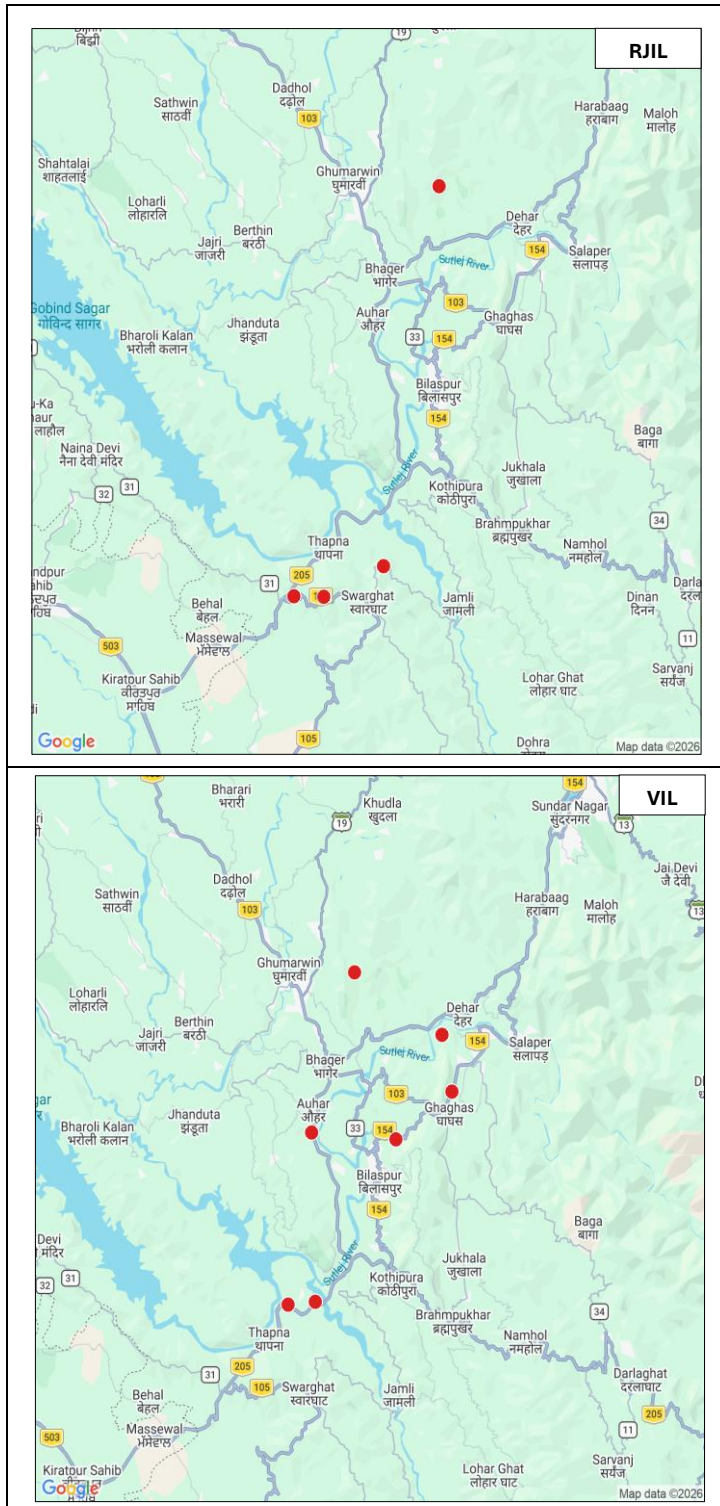
Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

- c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	163	100	167	164
Number of silences calls for >3 Sec	6	3	4	7
Total number of silence instances for >3 Sec	10	6	4	7

Locations of Call Silence Instance



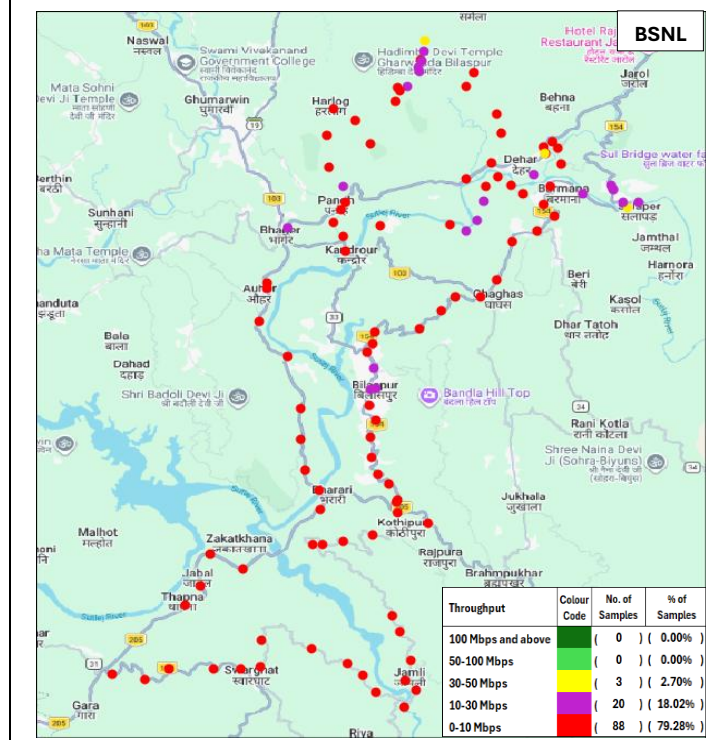
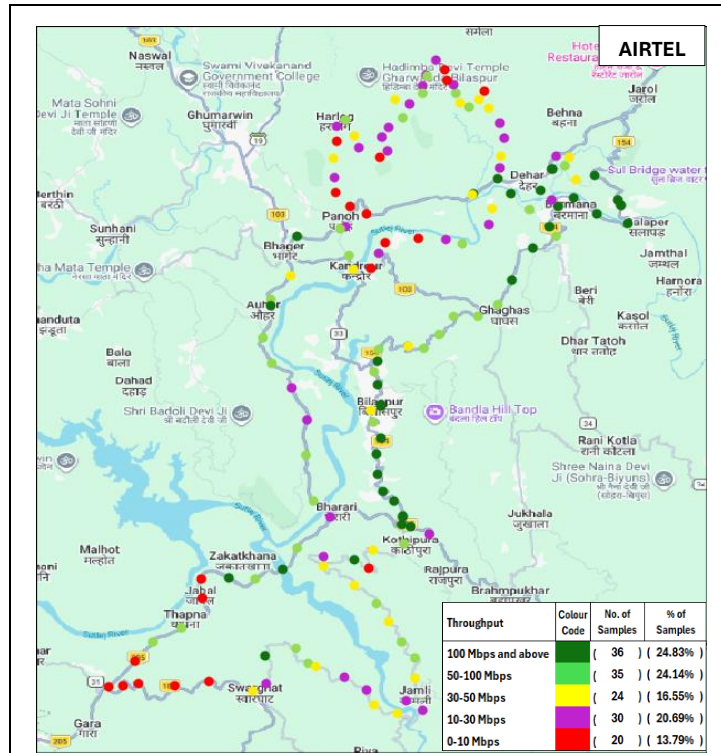


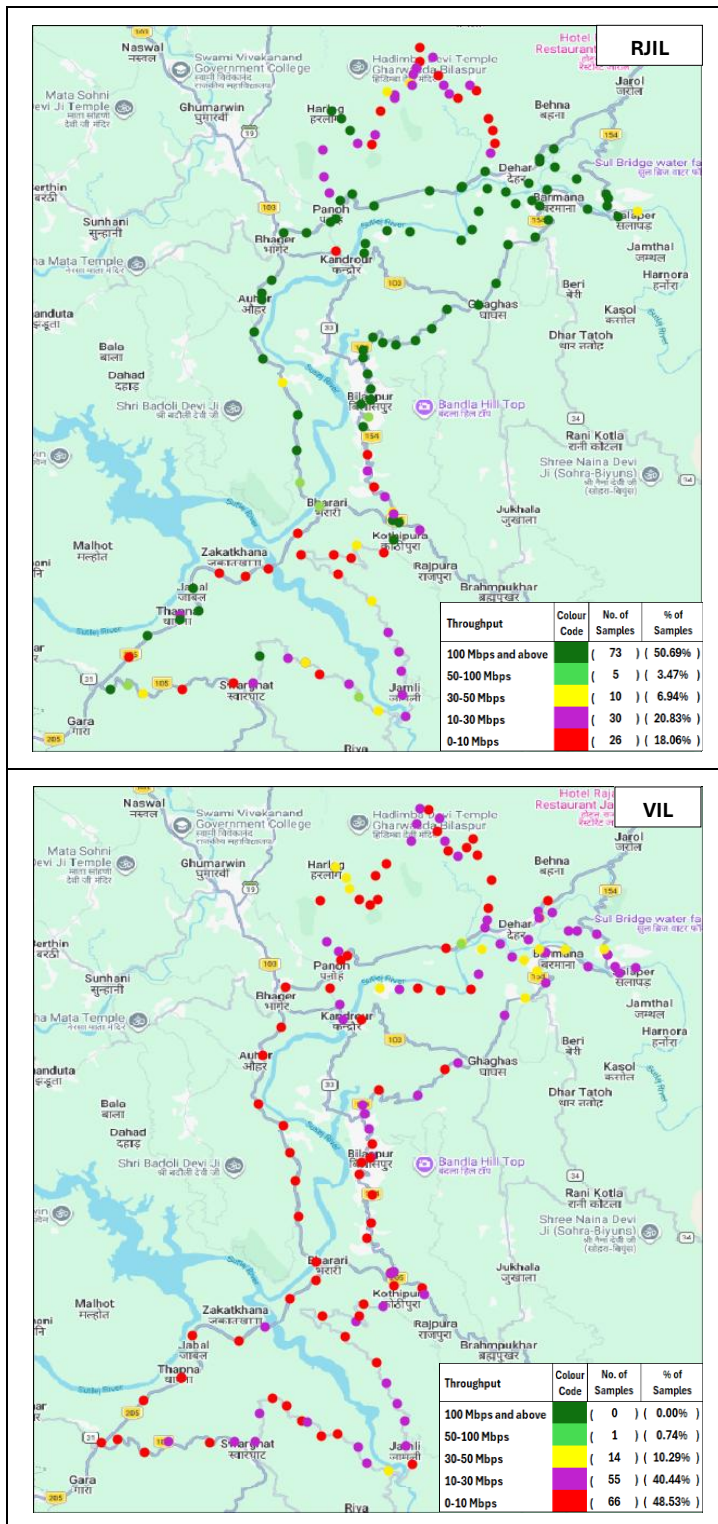
Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

- d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below: -

(i) **Download Throughput**

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	10.07	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	87.49	6.92	172.19	13.62

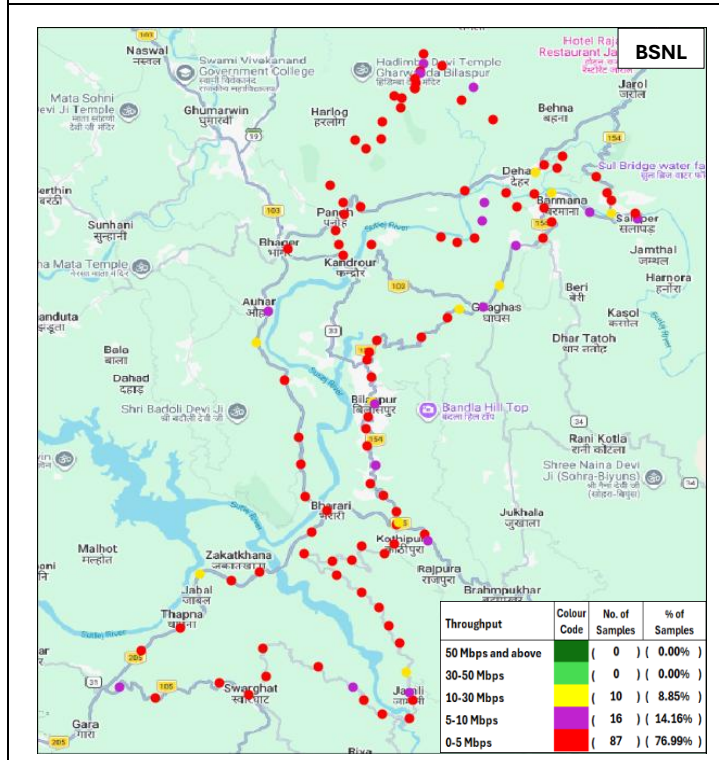
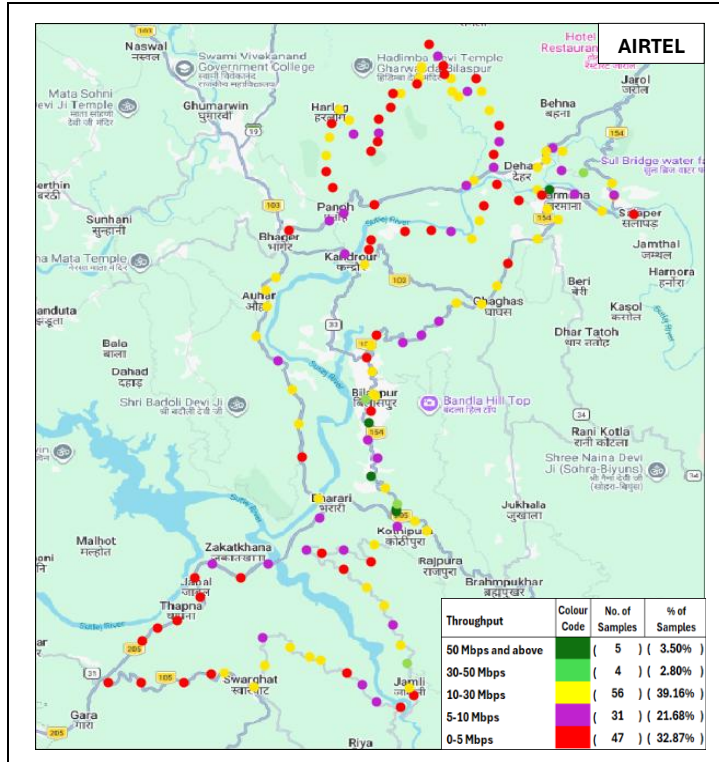


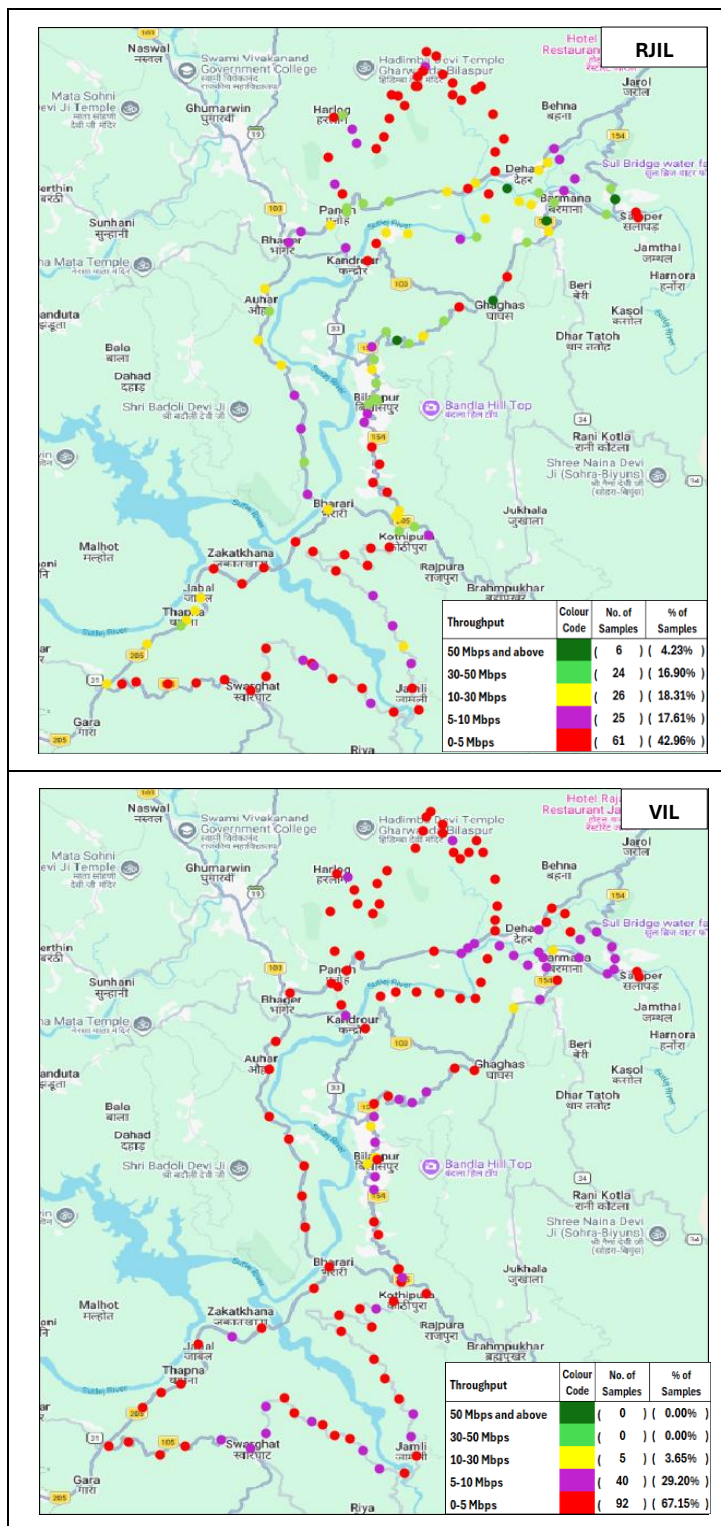


Note: Plot is based on Dynamic Drive Test results only

(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	3.63	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	11.82	3.78	14.45	3.96





Note: Plot is based on Dynamic Drive Test results only

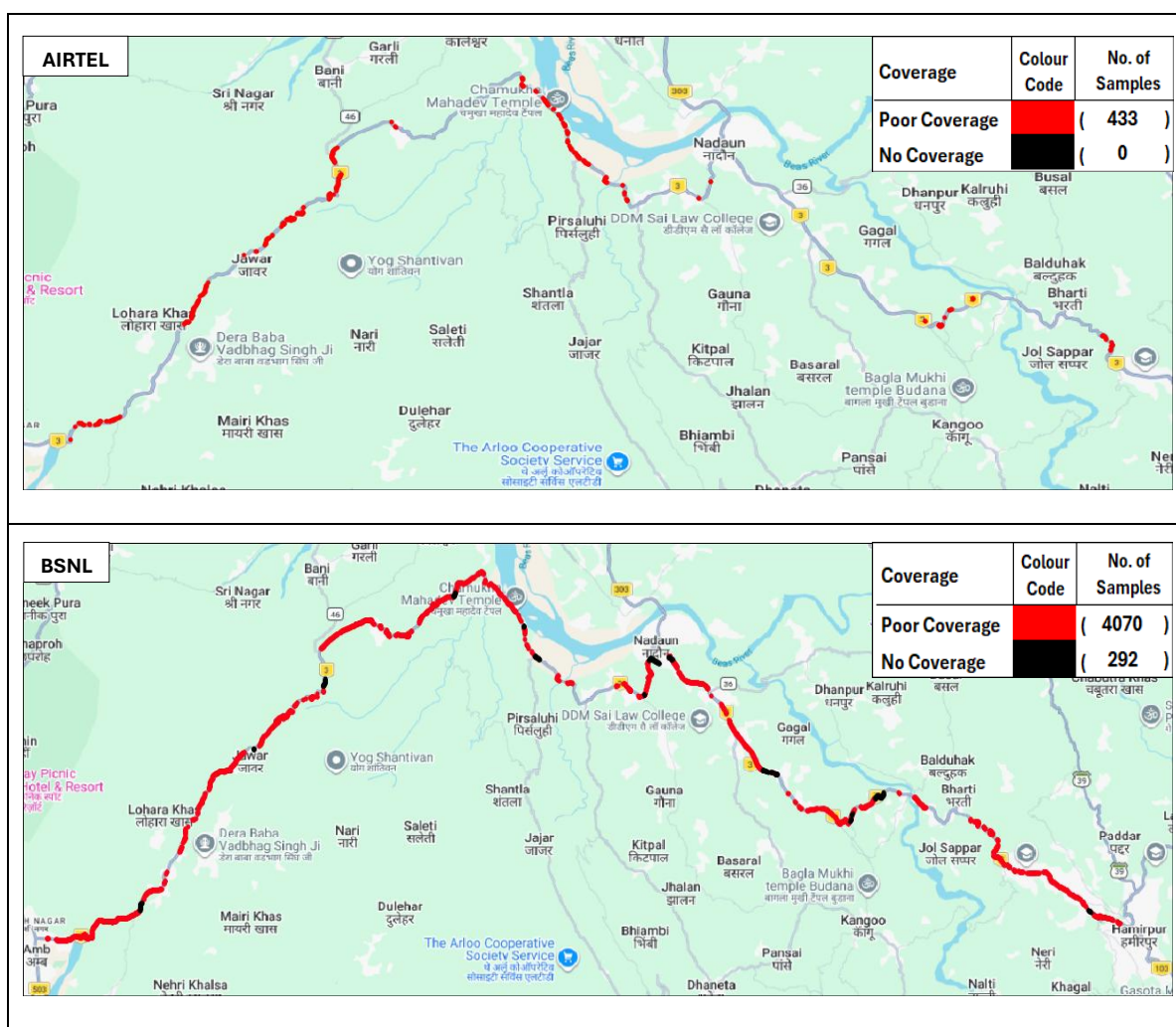
3. Amb to Hamirpur Highway Route:

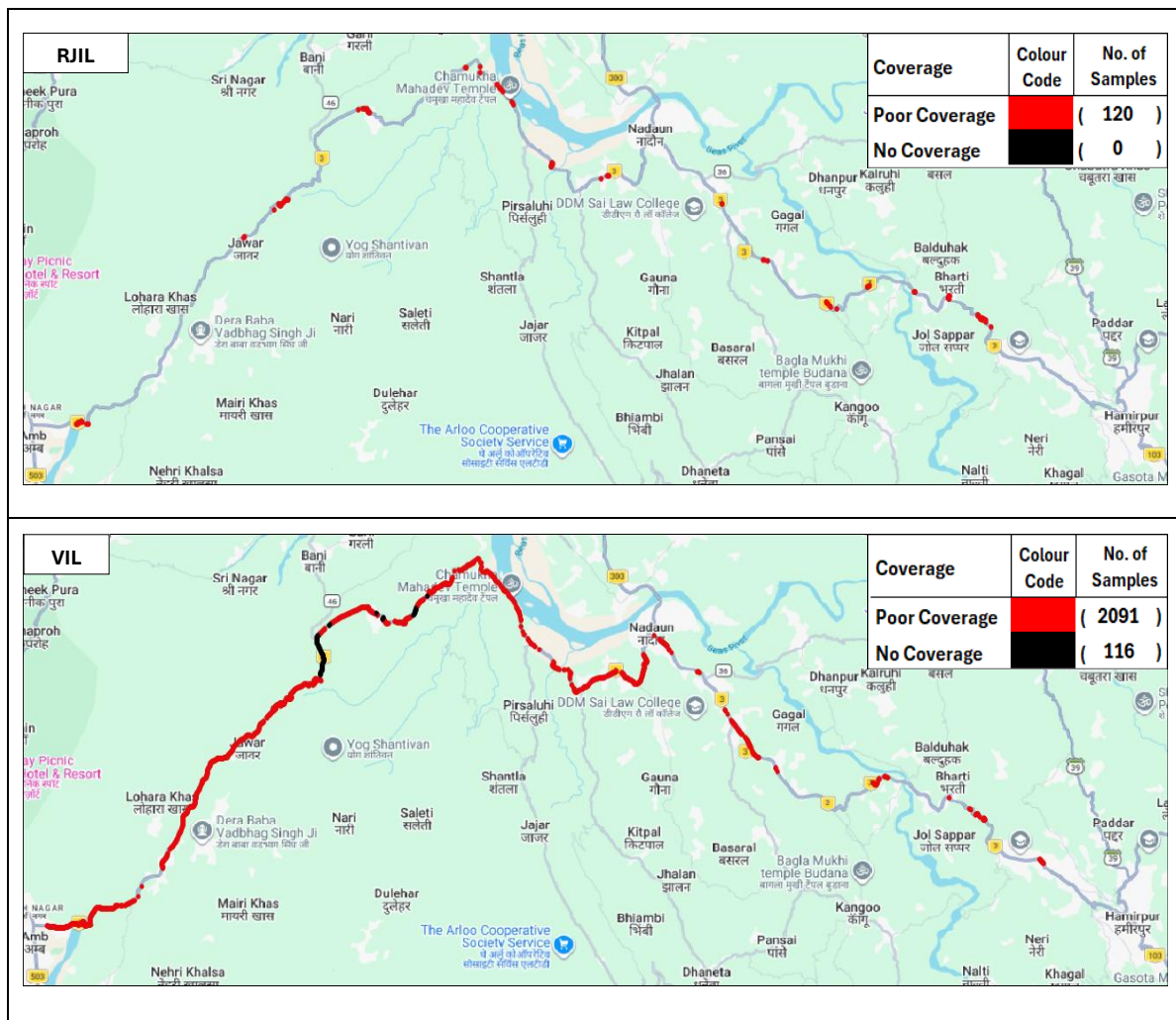
a) **Coverage Gap** – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	6059	8372	6097	5625
Number of Samples having poor signal strength	433	4070	120	2091
Number of Samples having limited service (No Coverage)	0	292	0	116

Note: Signal strength has been considered poor if it falls below –110 dBm for 5G & 4G, –90 dBm for 3G, and –85 dBm for 2G.

Coverage Gap observed



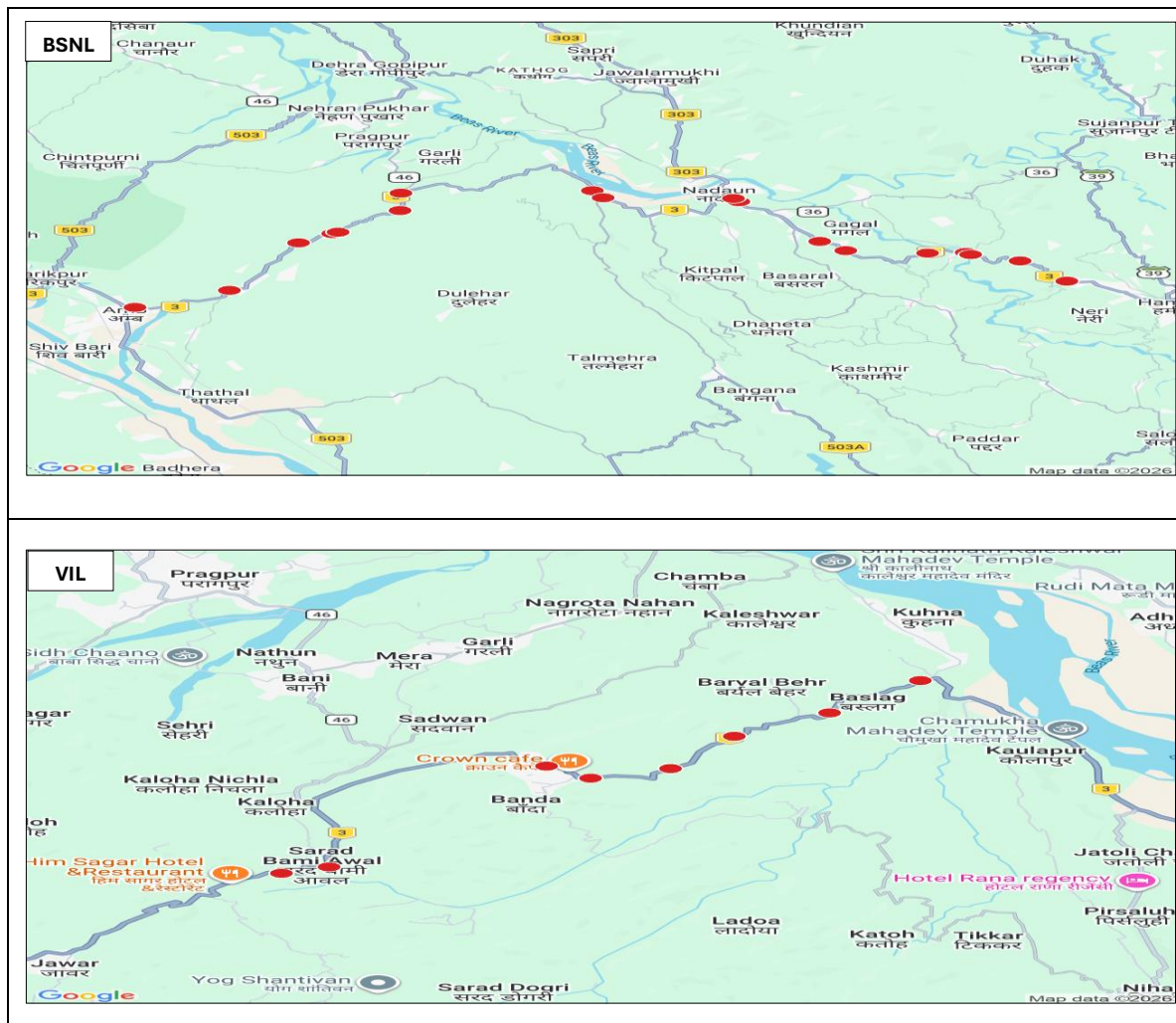


Note: Plot is based on Dynamic Drive Test results only

b) **Dropped Calls** - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	30	50	31	35
Number of dropped Calls	0	18	0	8

Locations of Dropped Calls

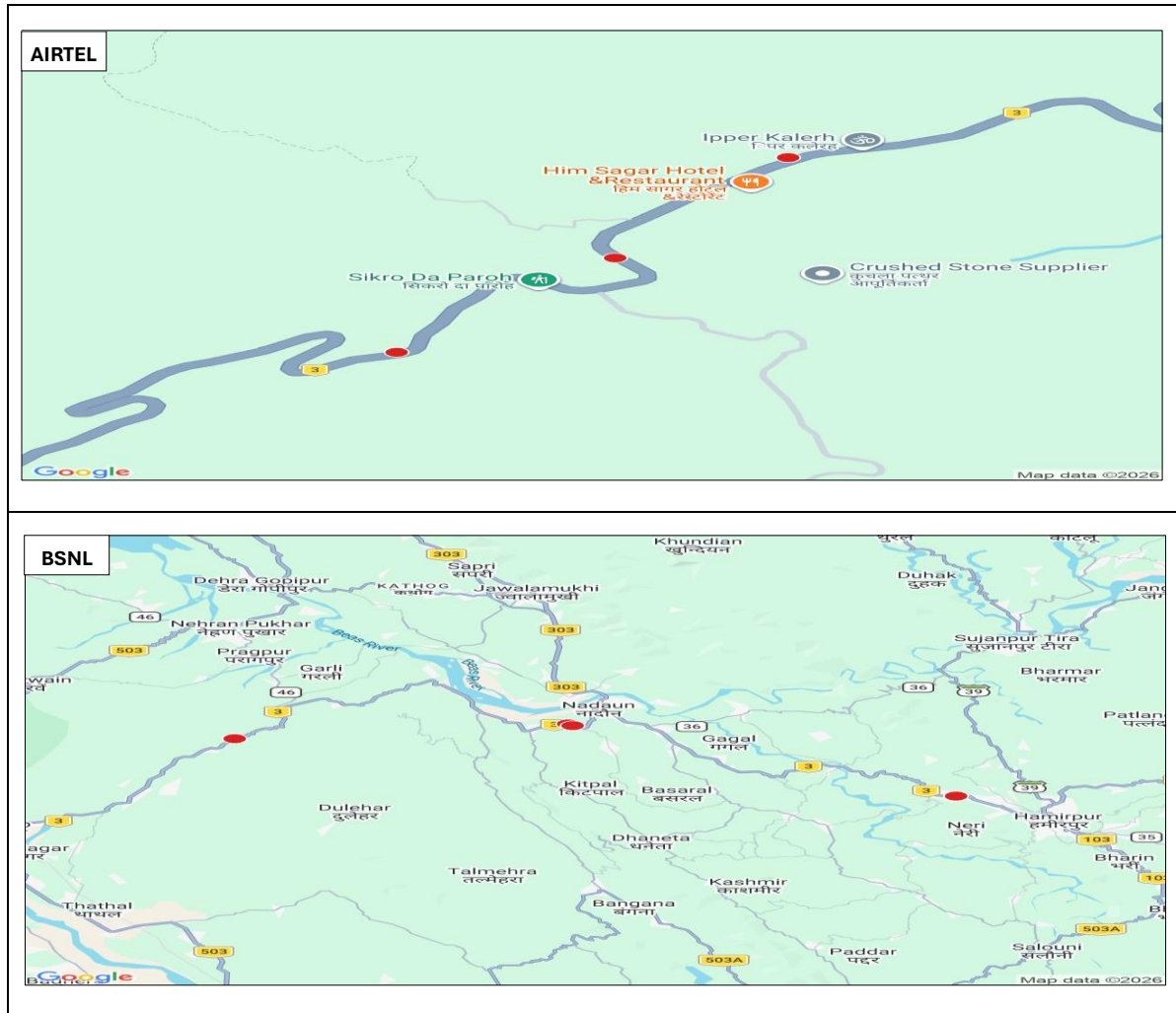


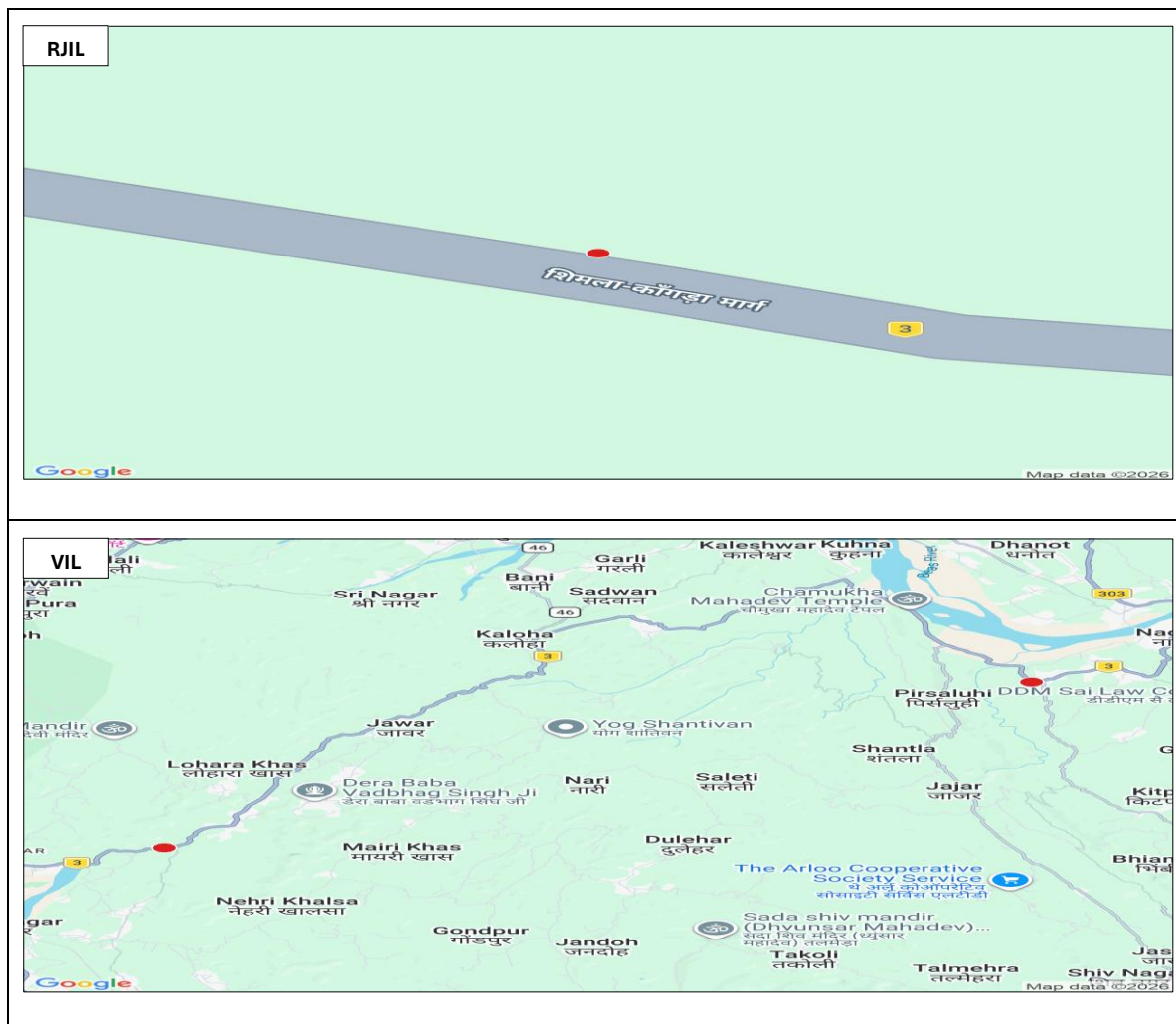
Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

- c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	30	43	30	31
Number of silences calls for >3 Sec	2	3	1	2
Total number of silence instances for >3 Sec	3	4	1	2

Locations of Call Silence Instance



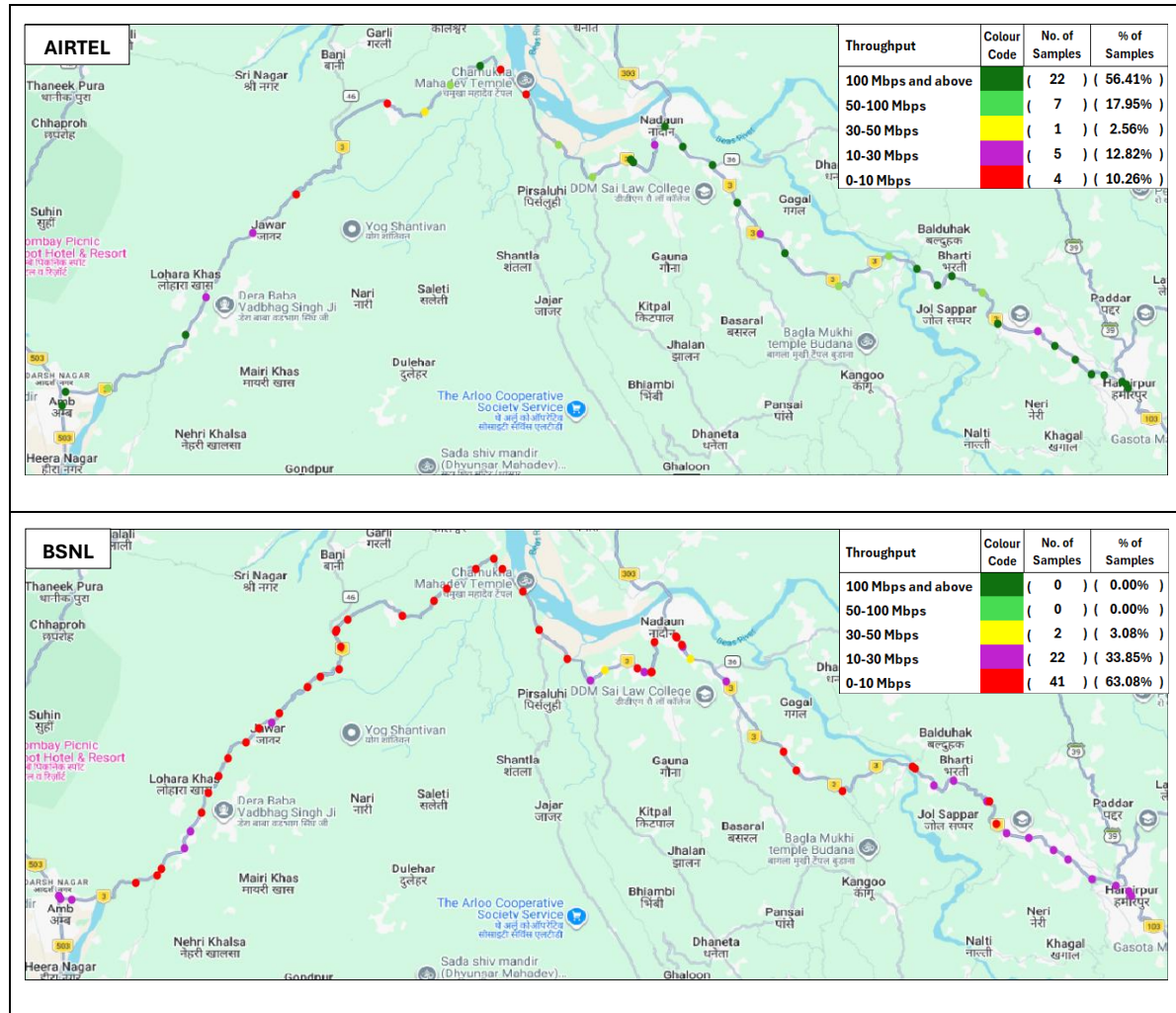


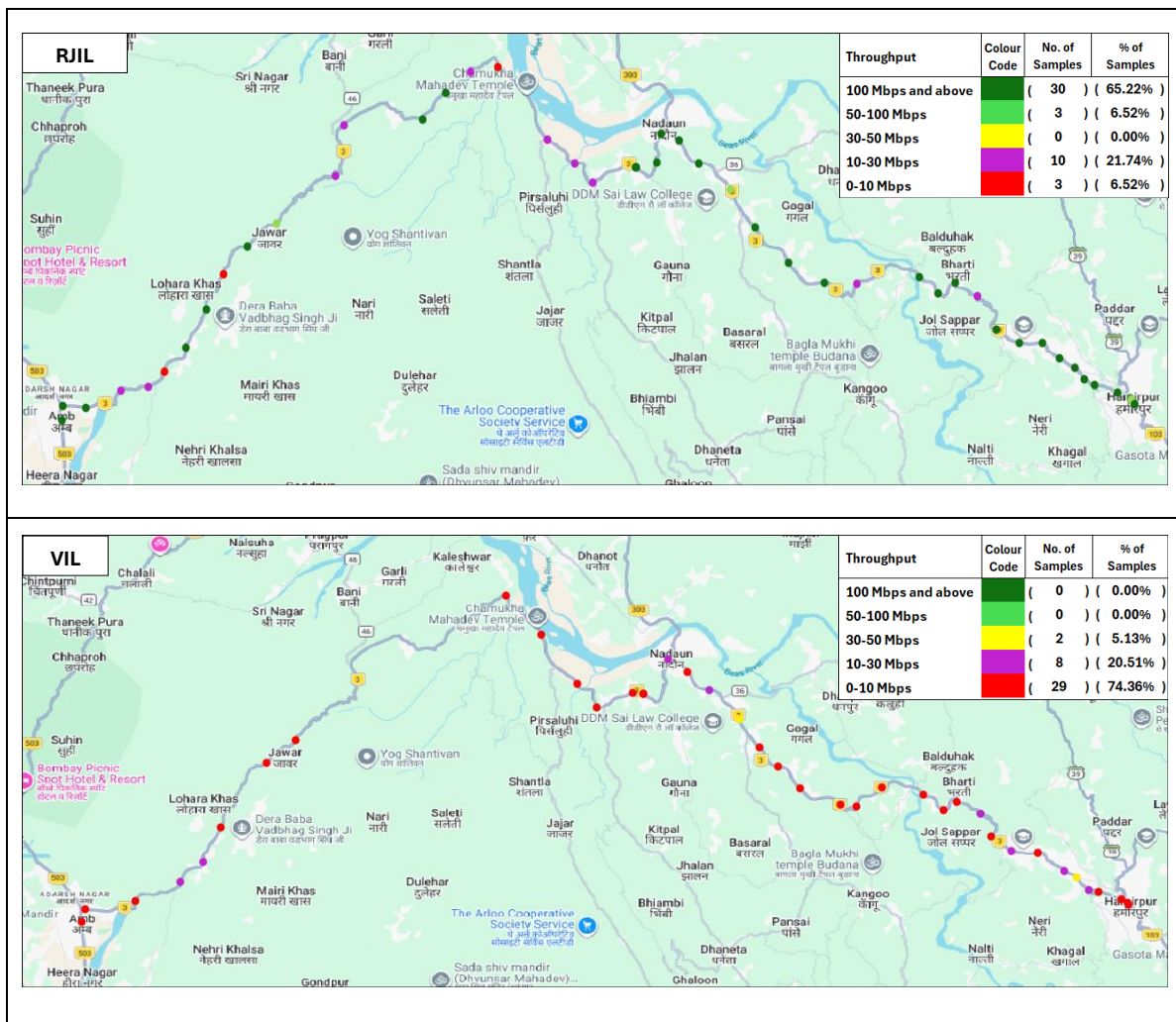
Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

- d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below: -

(i) **Download Throughput**

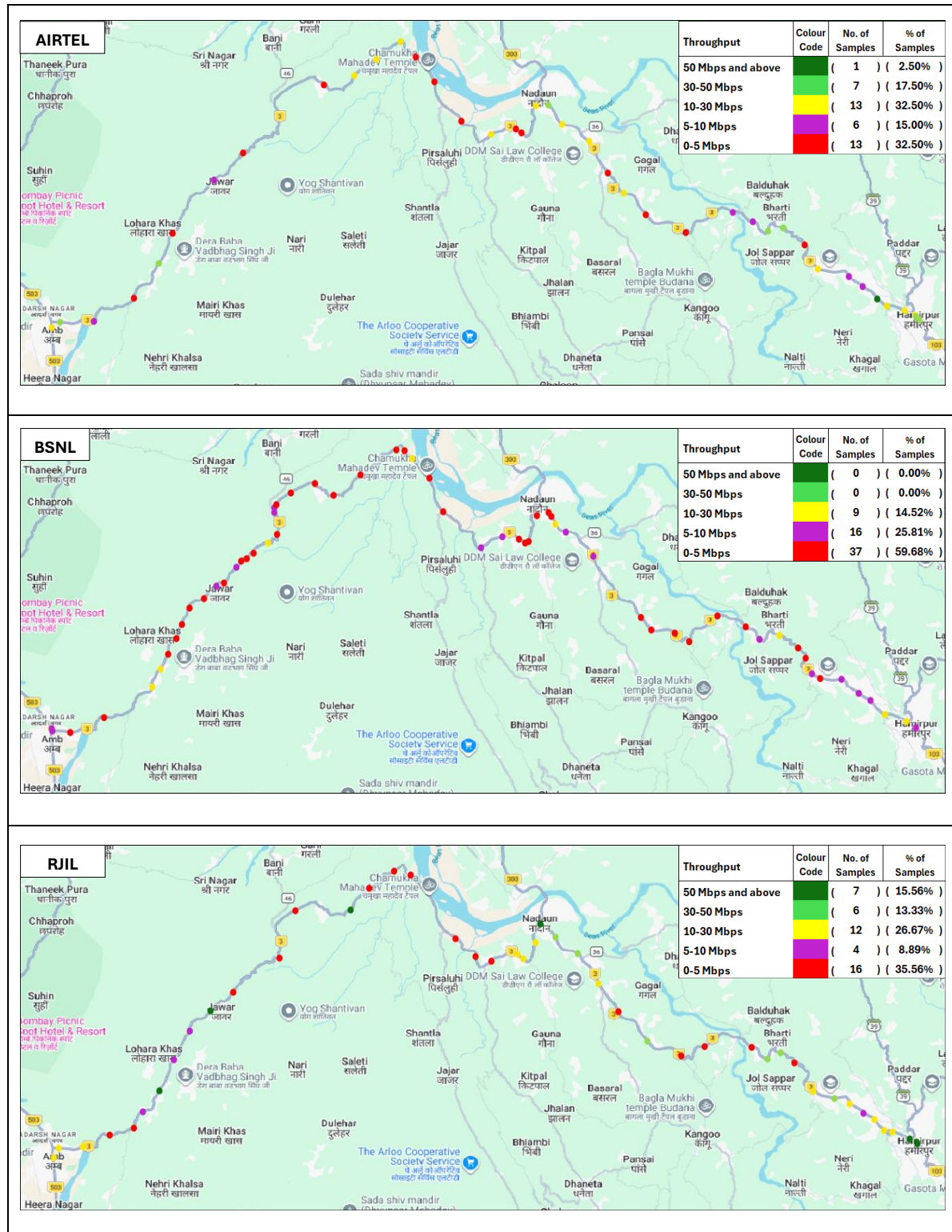
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	10.07	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	146.26	9.57	250.71	9.76

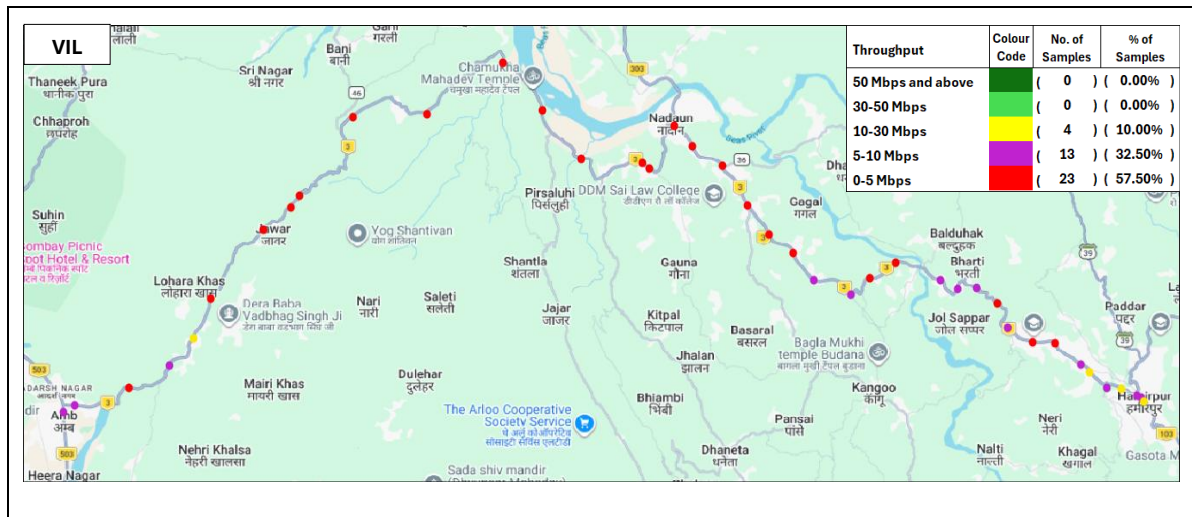




(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbps/s)	3.63	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbps/s)	15.77	5.03	22.81	5.00





Note: Plot is based on Dynamic Drive Test results only

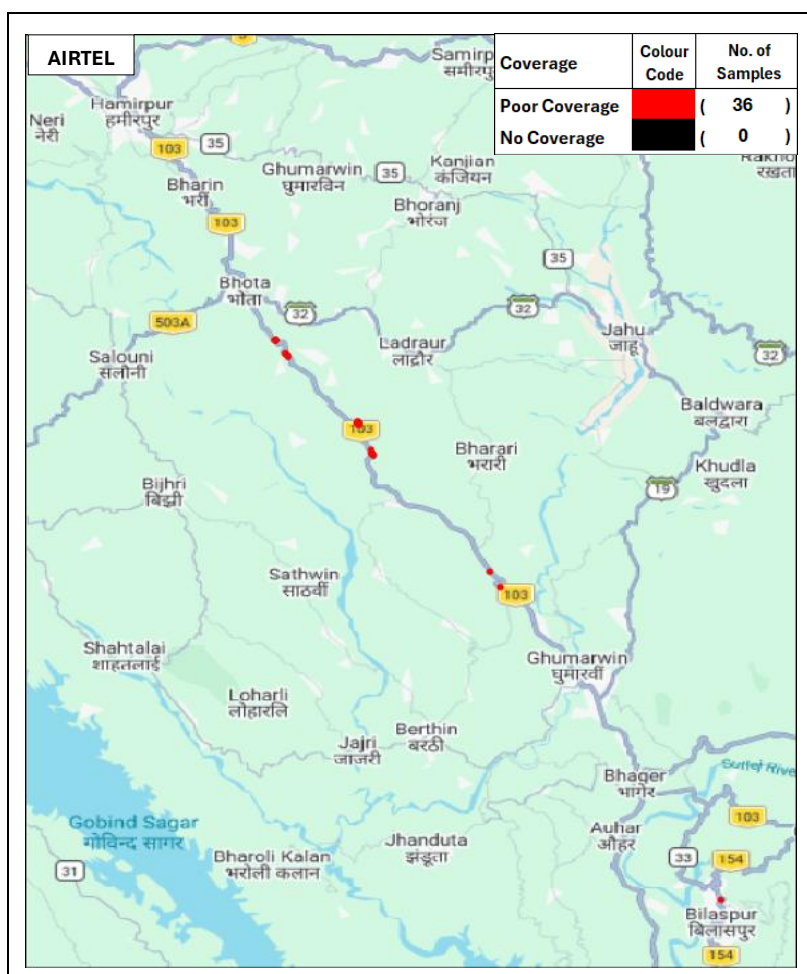
4. Hamirpur to Bilaspur Highway Route:

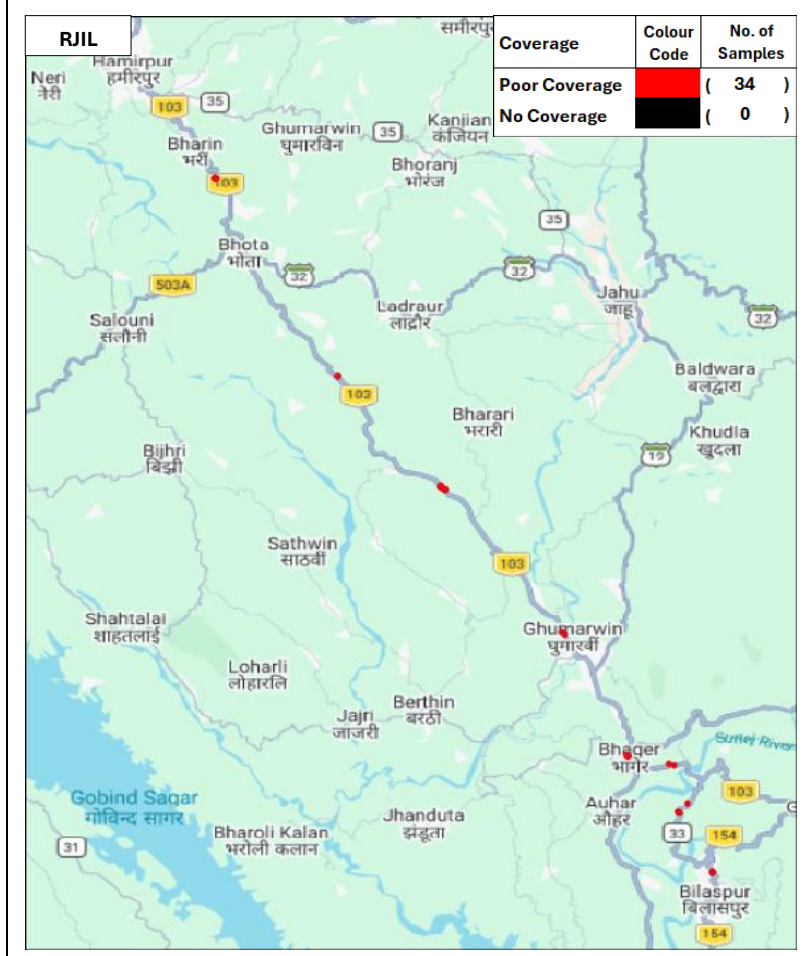
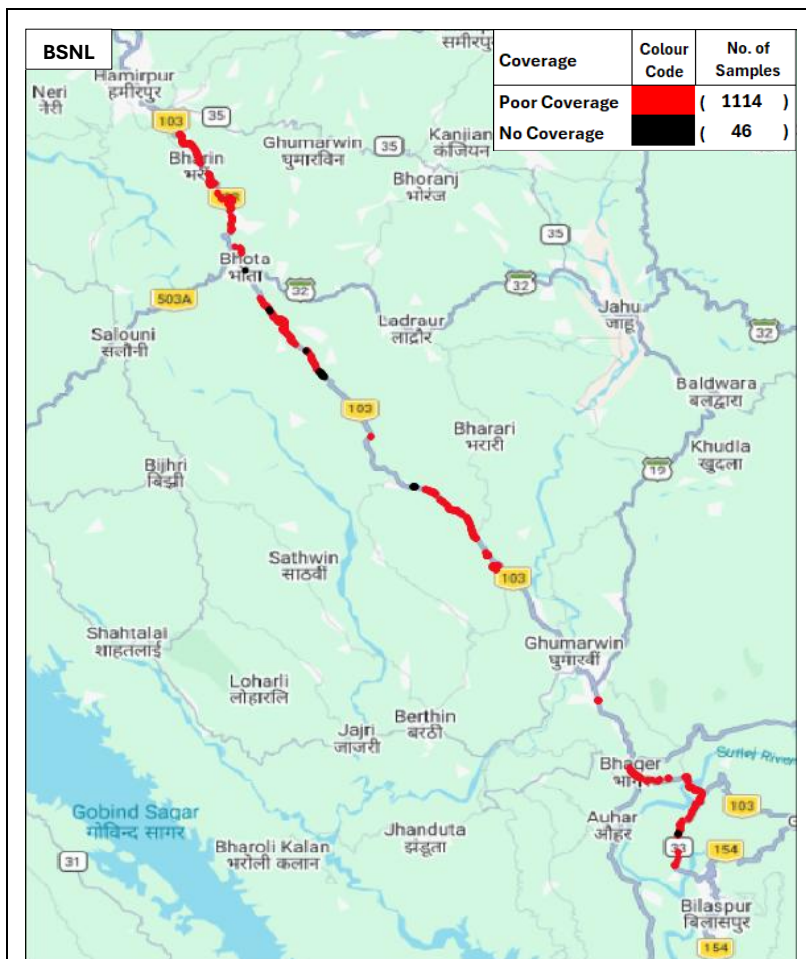
- a) **Coverage Gap** – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below: -

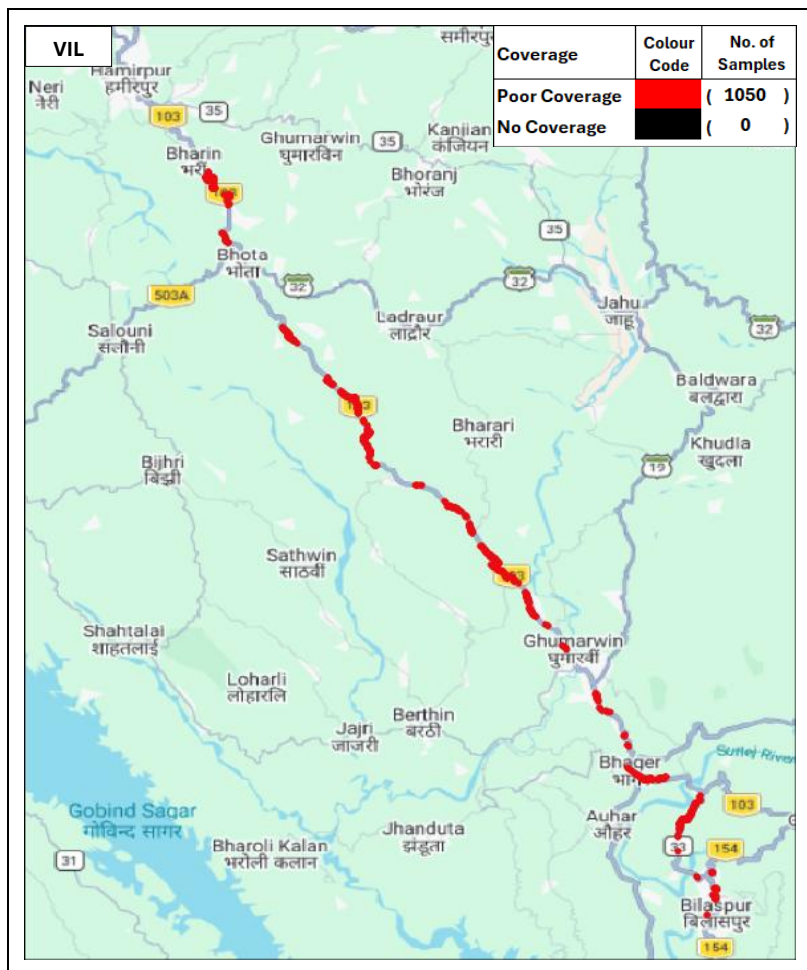
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	5892	5621	5868	5779
Number of Samples having poor signal strength	36	1114	34	1050
Number of Samples having limited service (No Coverage)	0	46	0	0

Note: Signal strength has been considered poor if it falls below –110 dBm for 5G & 4G, –90 dBm for 3G, and –85 dBm for 2G.

Coverage Gap observed





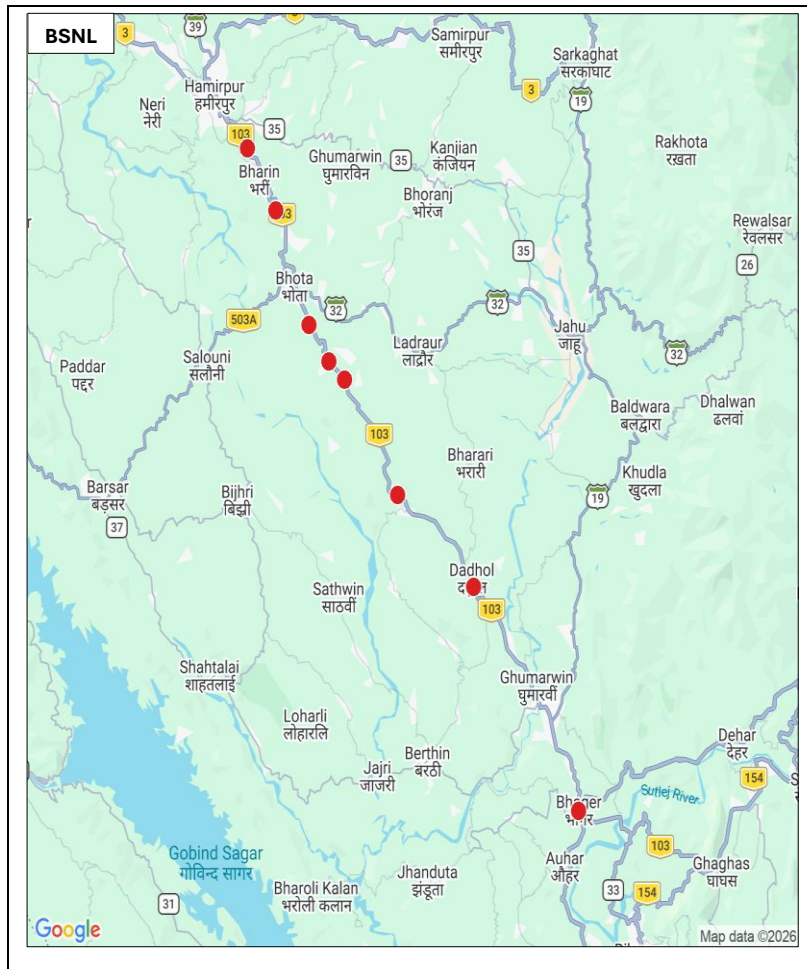


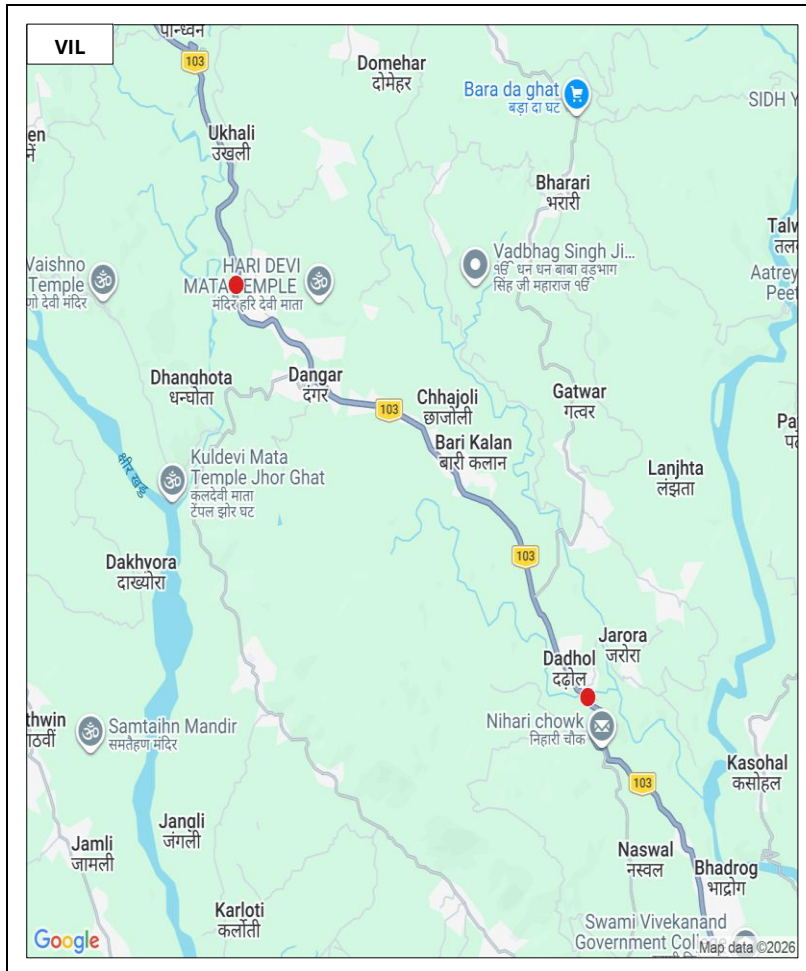
Note: Plot is based on Dynamic Drive Test results only

b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	30	31	30	29
Number of dropped Calls	0	8	0	2

Locations of Dropped Calls



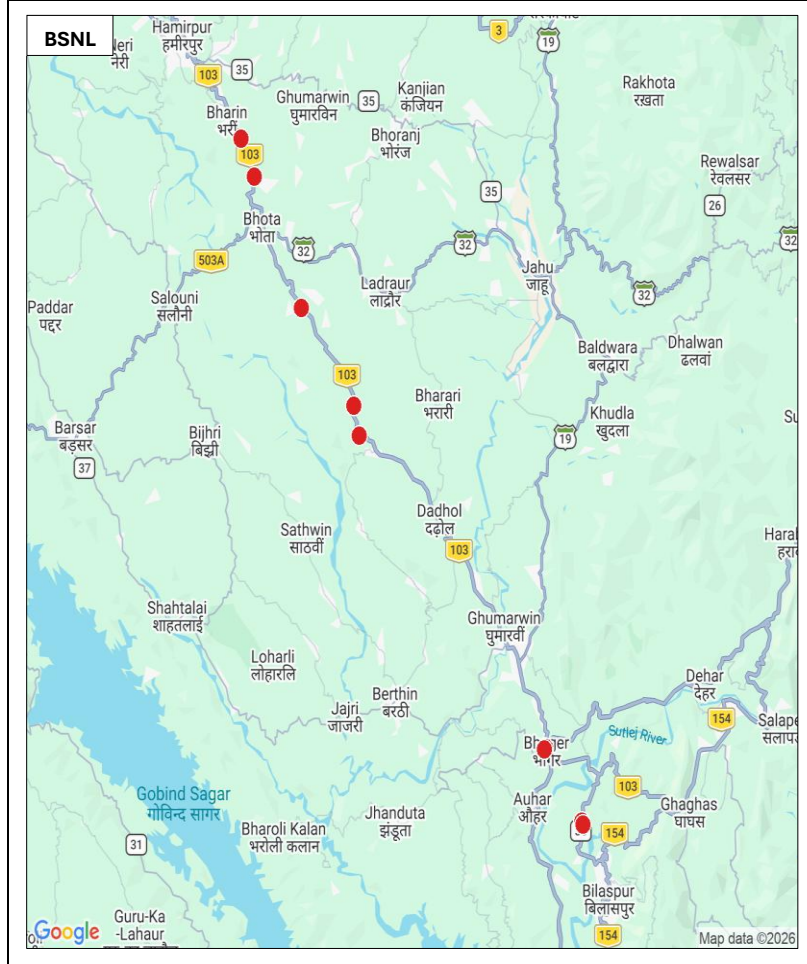


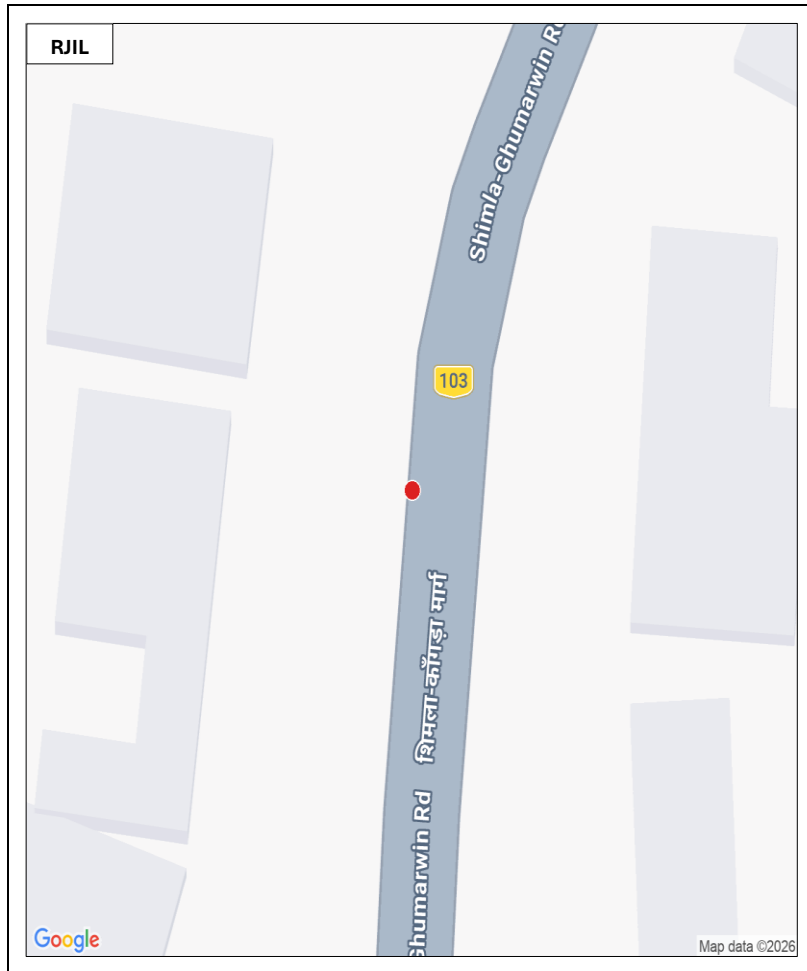
Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

- c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	29	32	29	30
Number of silences calls for >3 Sec	0	6	1	0
Total number of silence instances for >3 Sec	0	9	1	0

Locations of Call Silence Instance



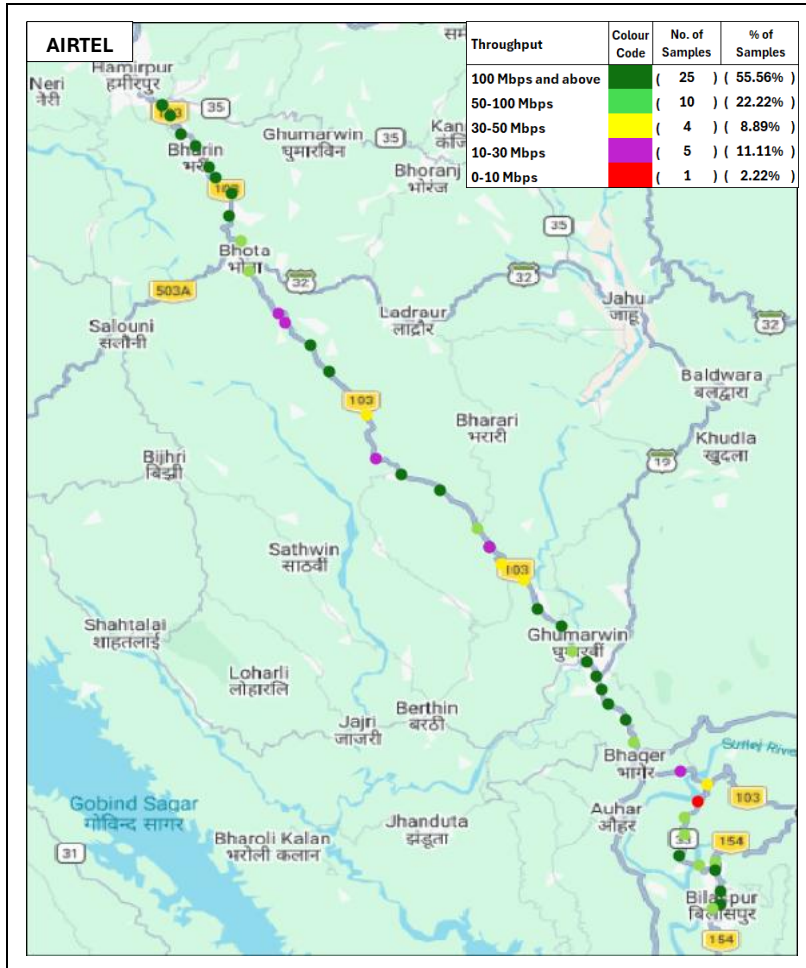


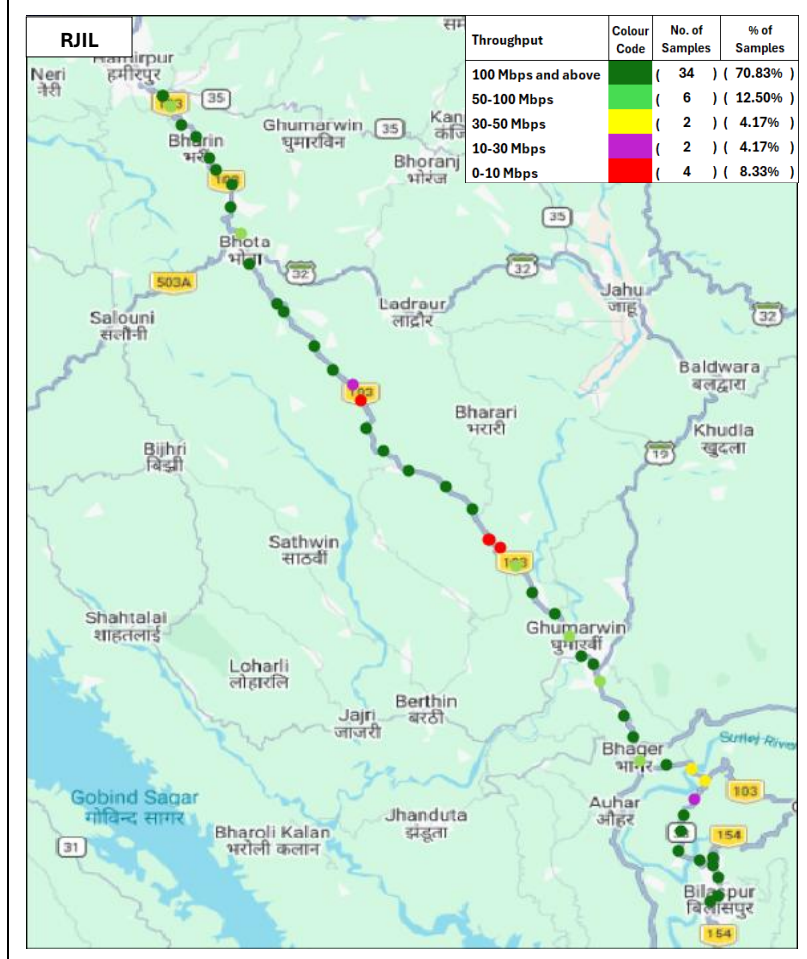
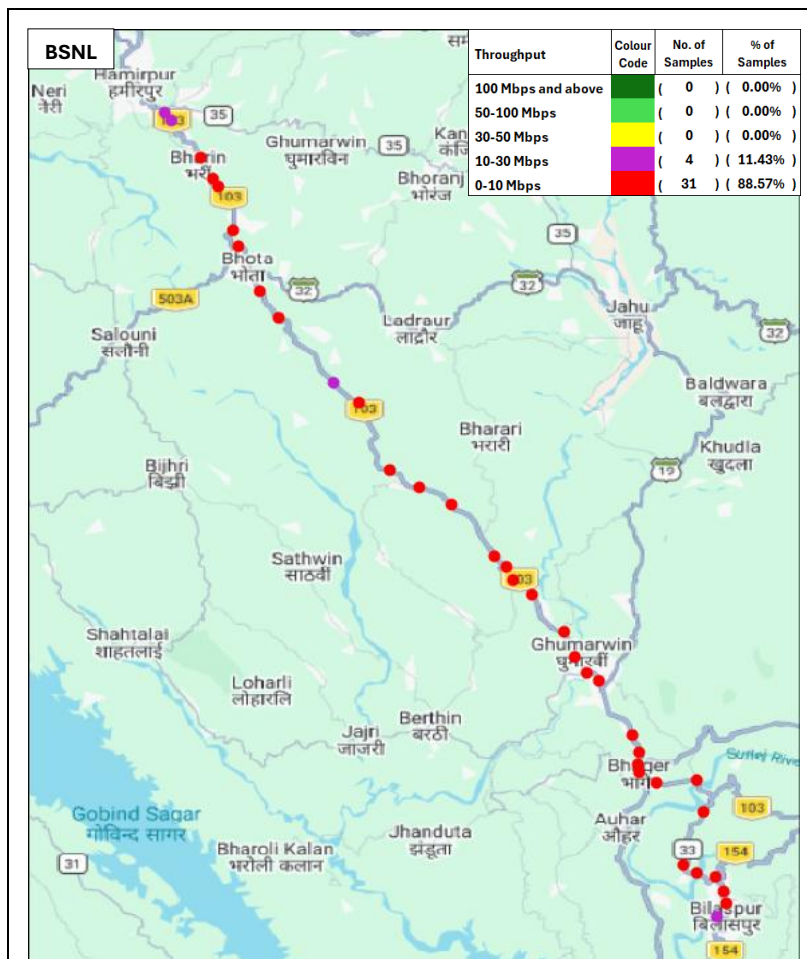
Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

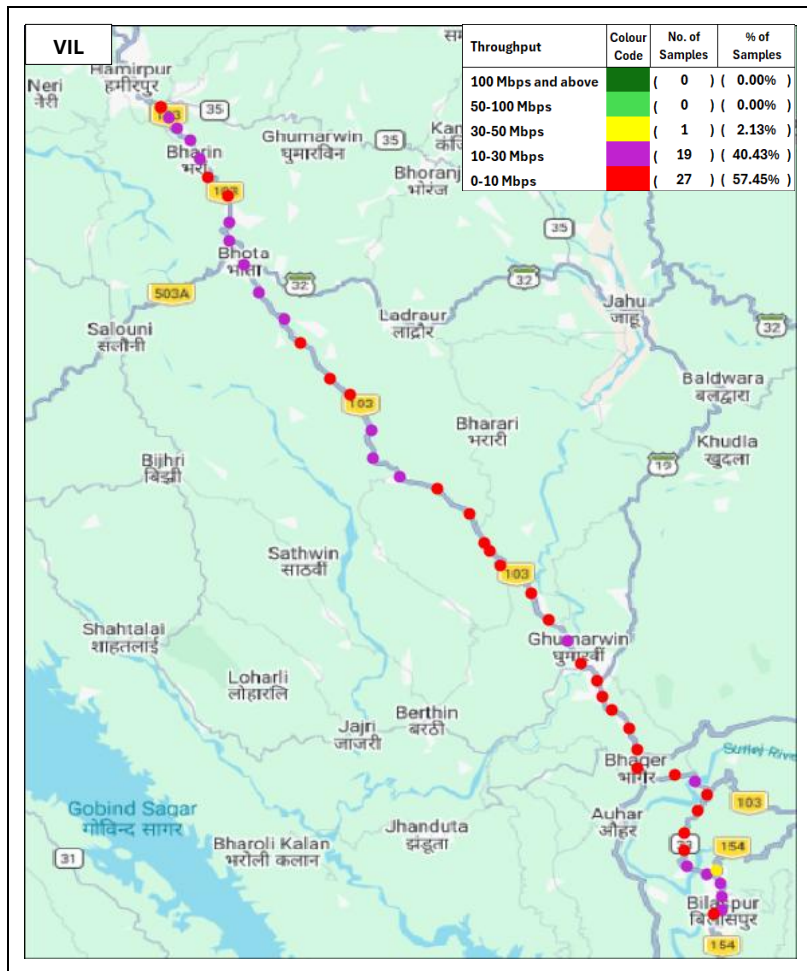
d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below: -

(i) **Download Throughput**

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	10.07	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	176.88	5.44	221.34	10.59



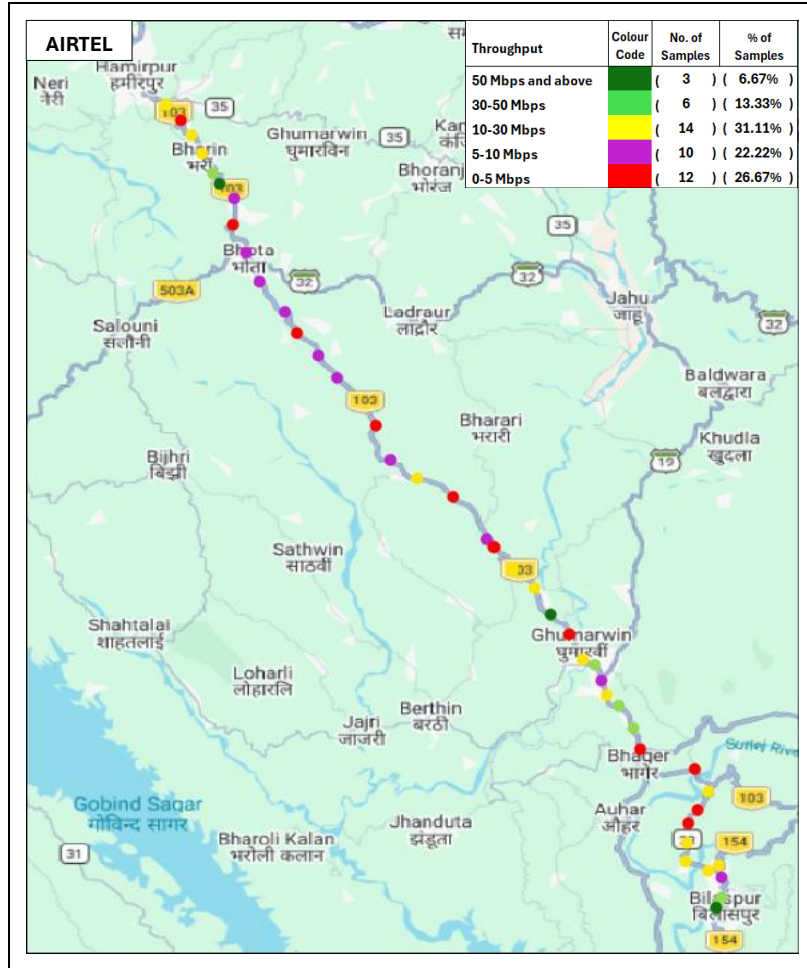


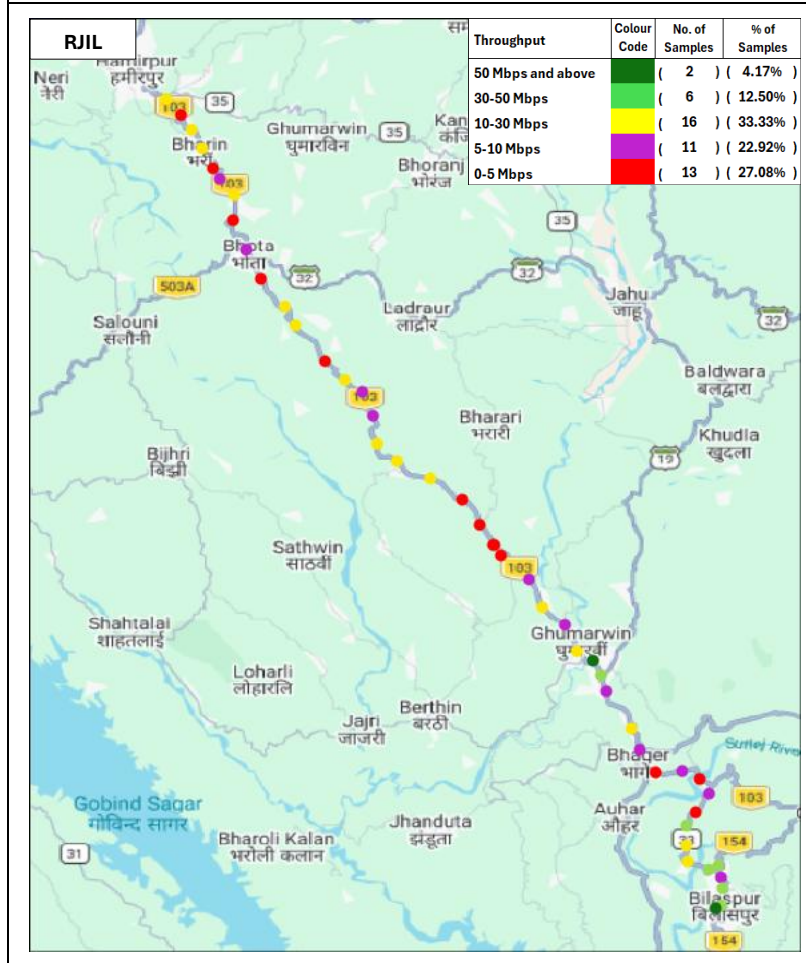
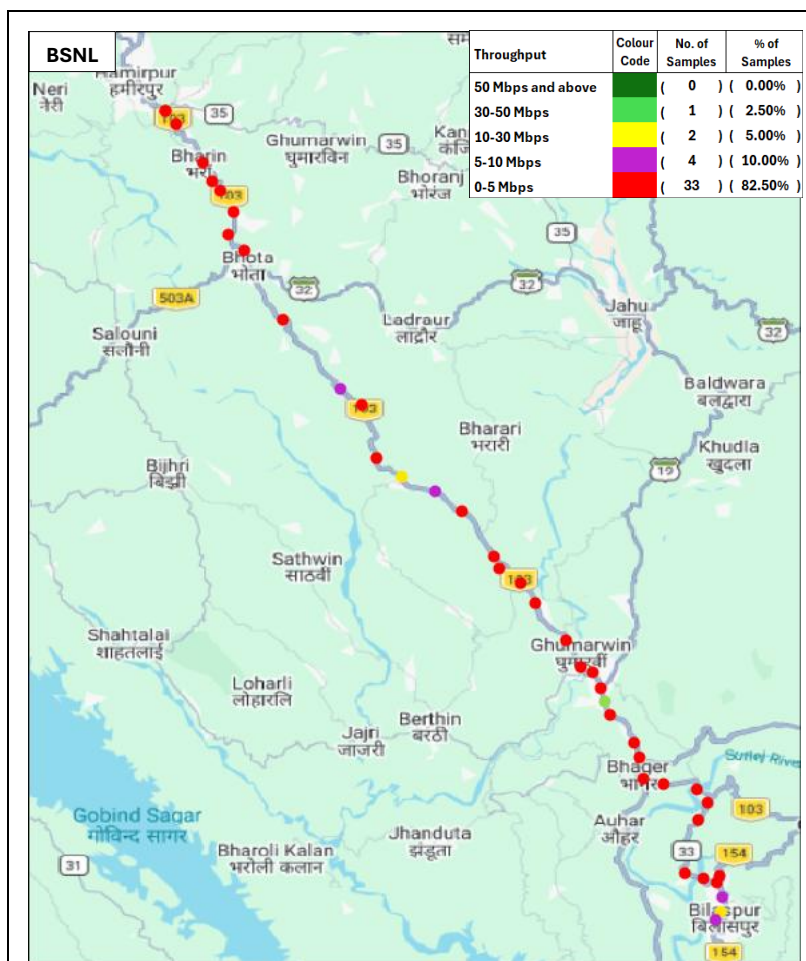


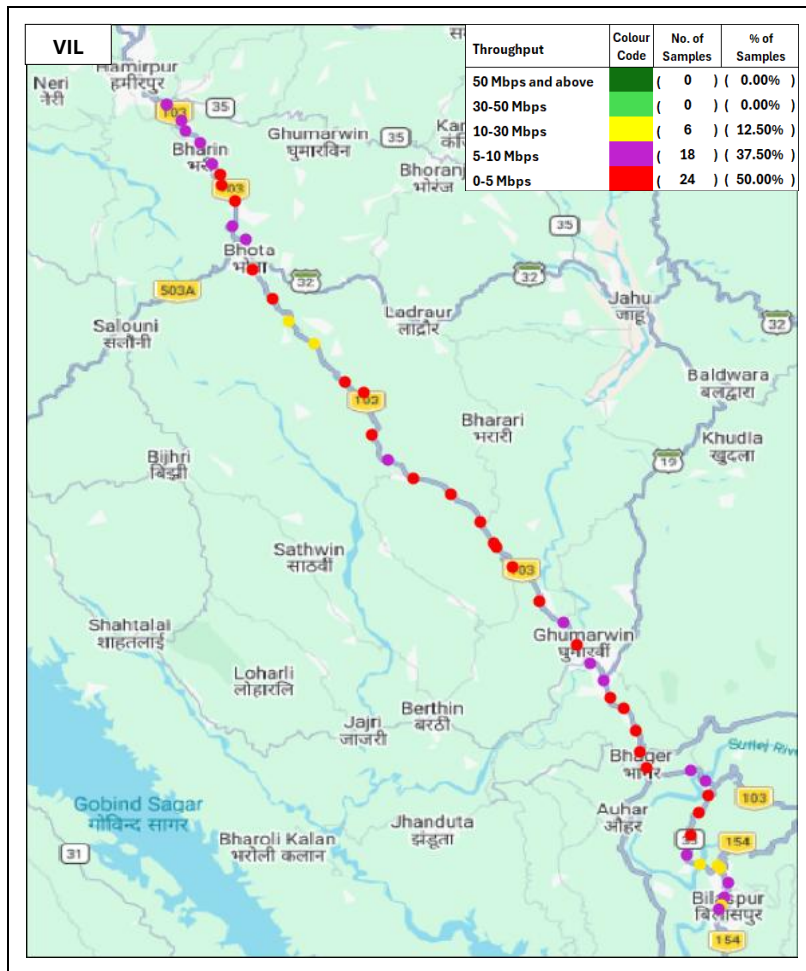
Note: Plot is based on Dynamic Drive Test results only

(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	3.63	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	17.67	3.89	15.83	5.89







Note: Plot is based on Dynamic Drive Test results only

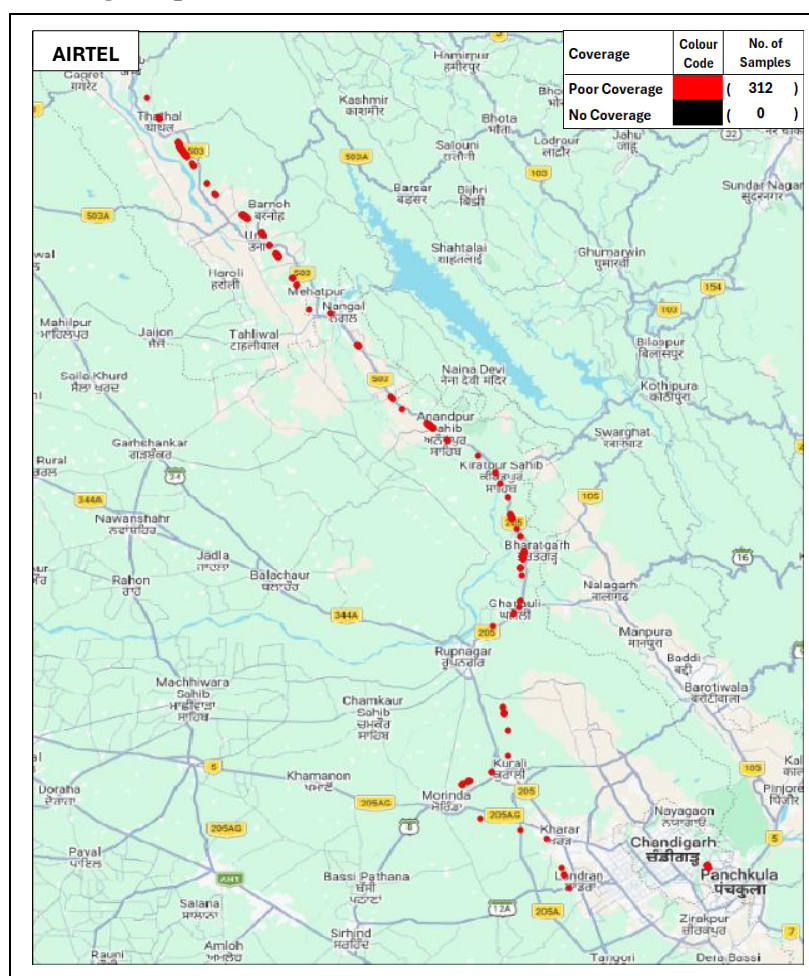
5. Chandigarh to Amb Railway Route:

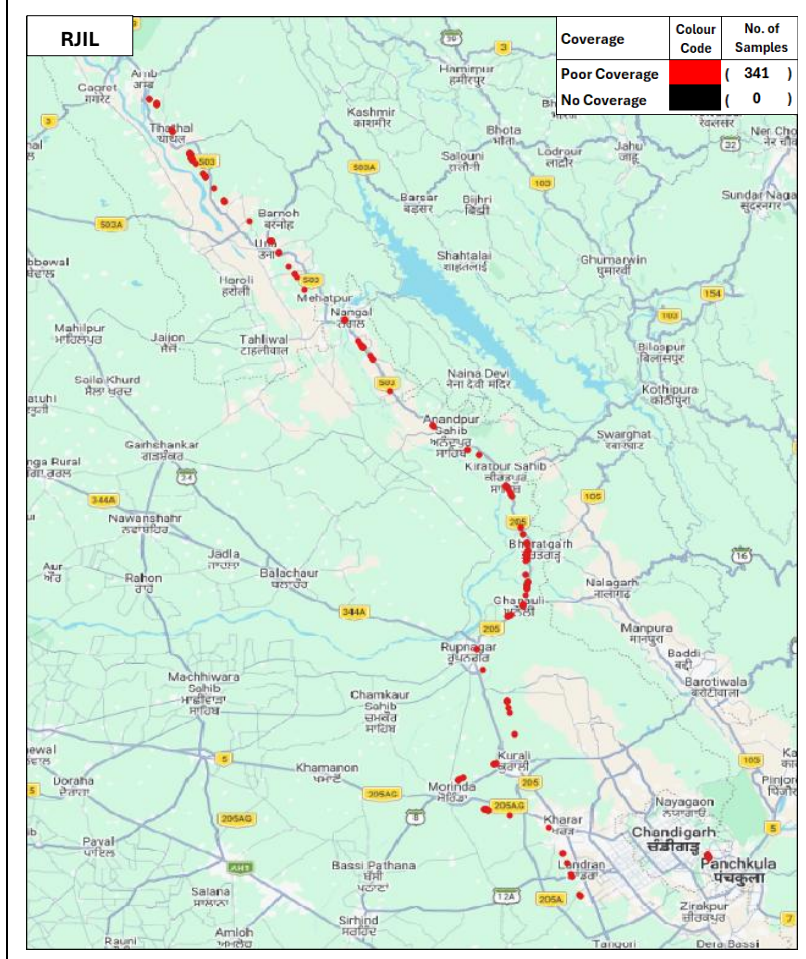
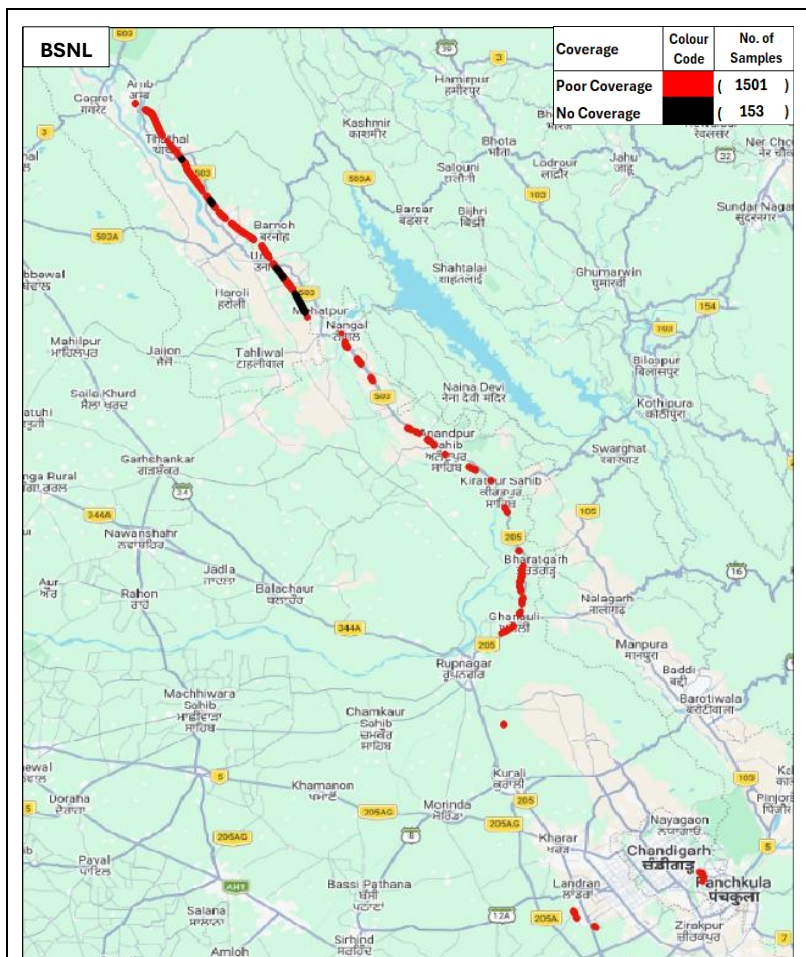
- a) **Coverage Gap** – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below: -

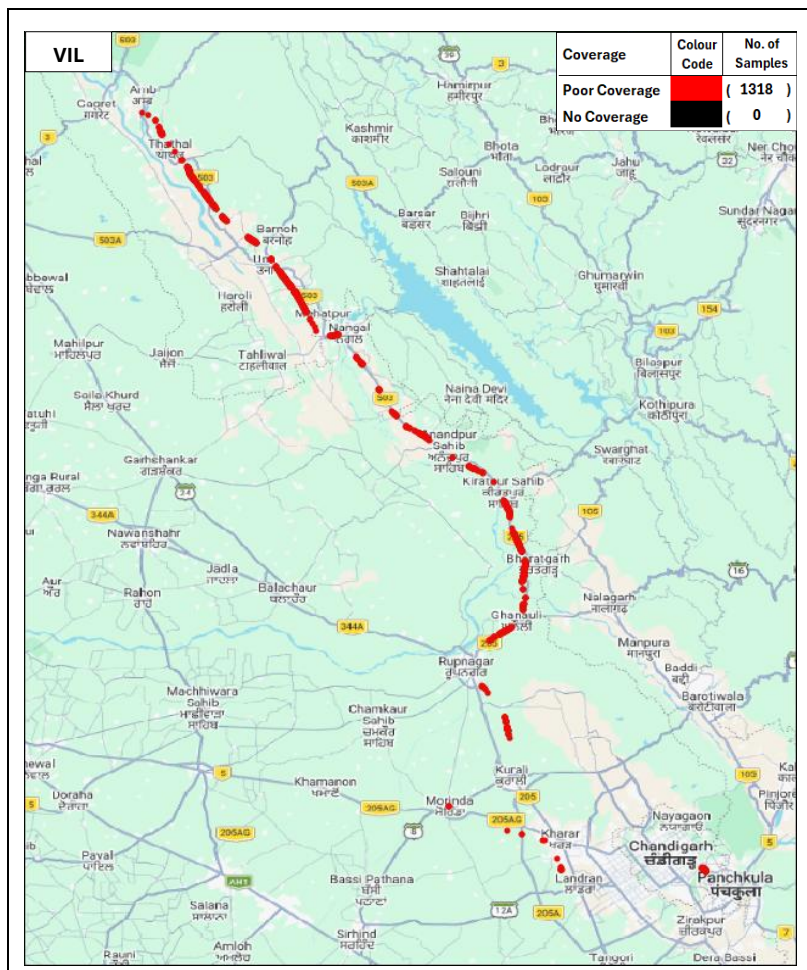
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	11112	10604	11115	11020
Number of Samples having poor signal strength	312	1501	341	1318
Number of Samples of No service	0	153	0	0

Note: Signal strength has been considered poor if it falls below –110 dBm for 5G & 4G, –90 dBm for 3G, and –85 dBm for 2G.

Coverage Gap observed





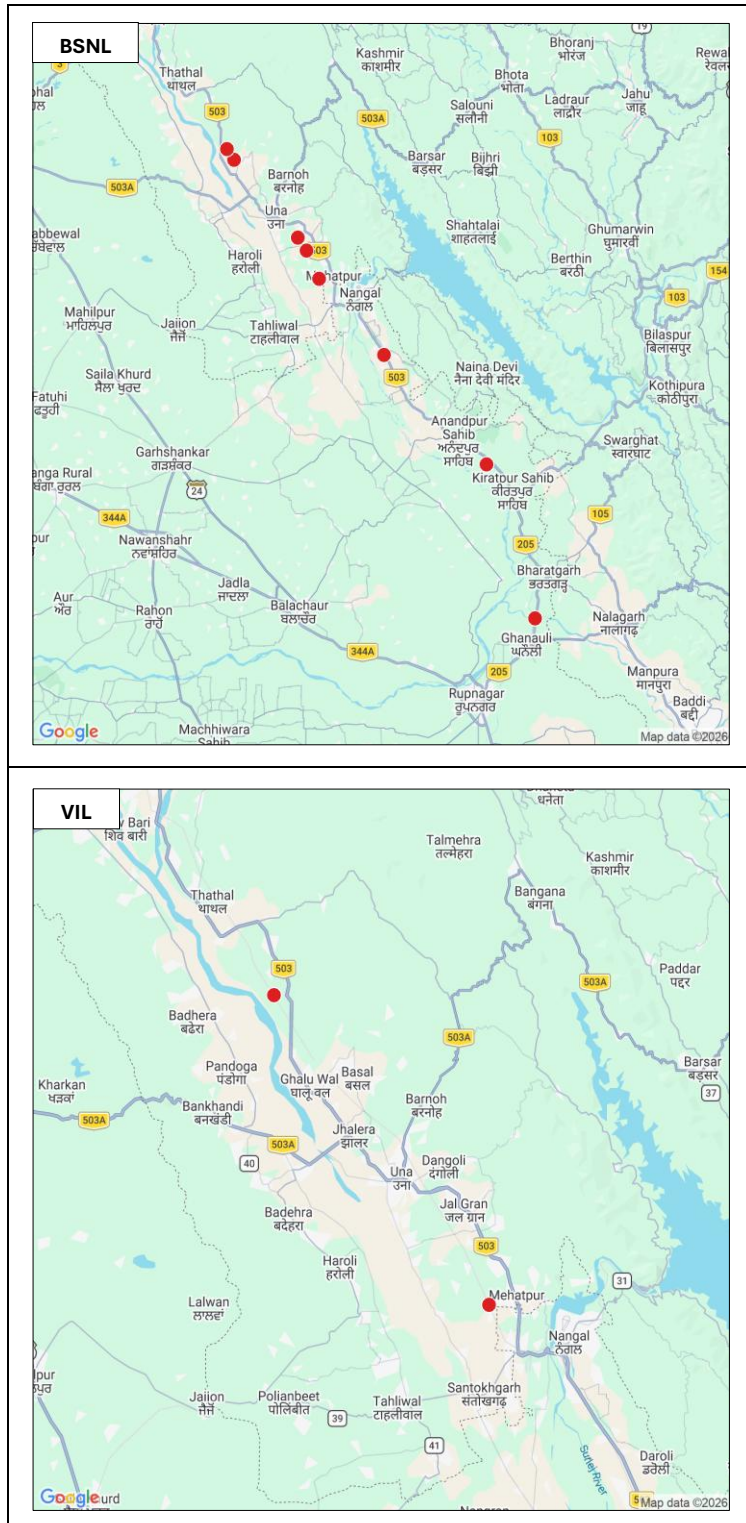


Note: Plot is based on Dynamic Drive Test results only

b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below: -

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	55	55	55	55
Number of dropped Calls	0	8	0	2

Locations of Dropped Calls

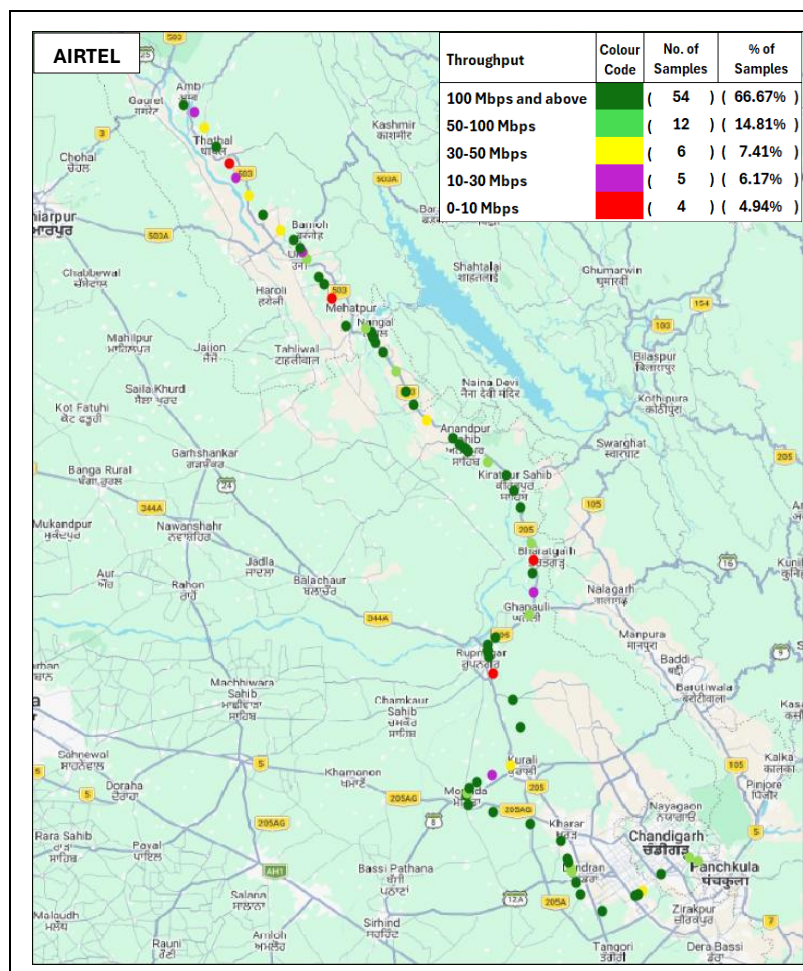


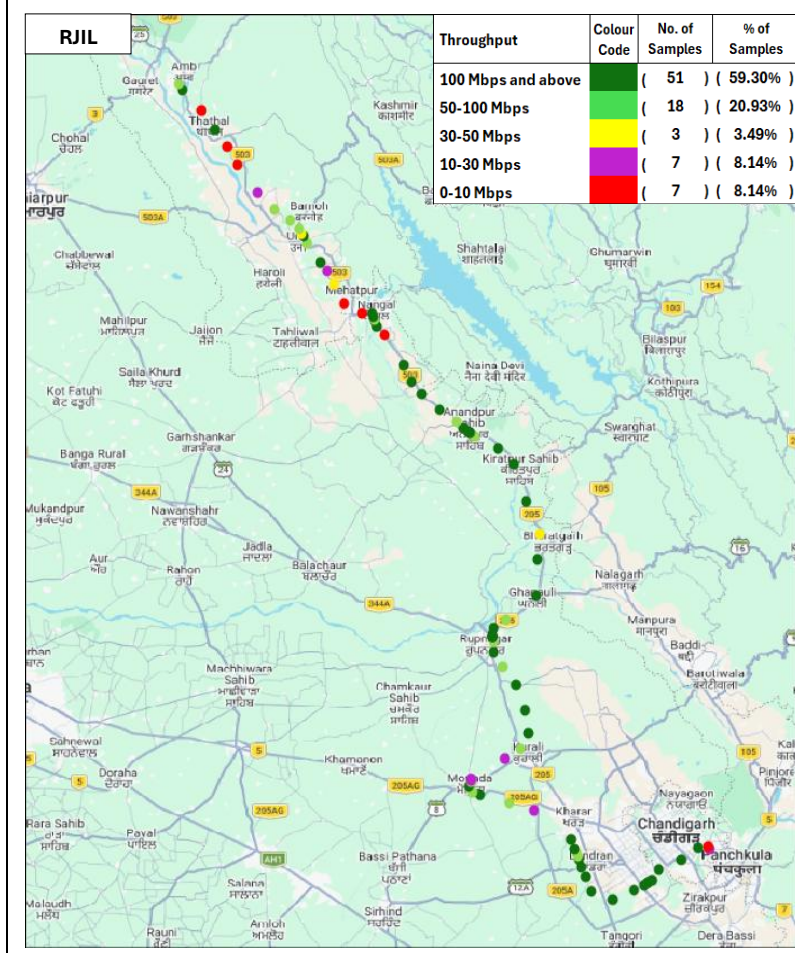
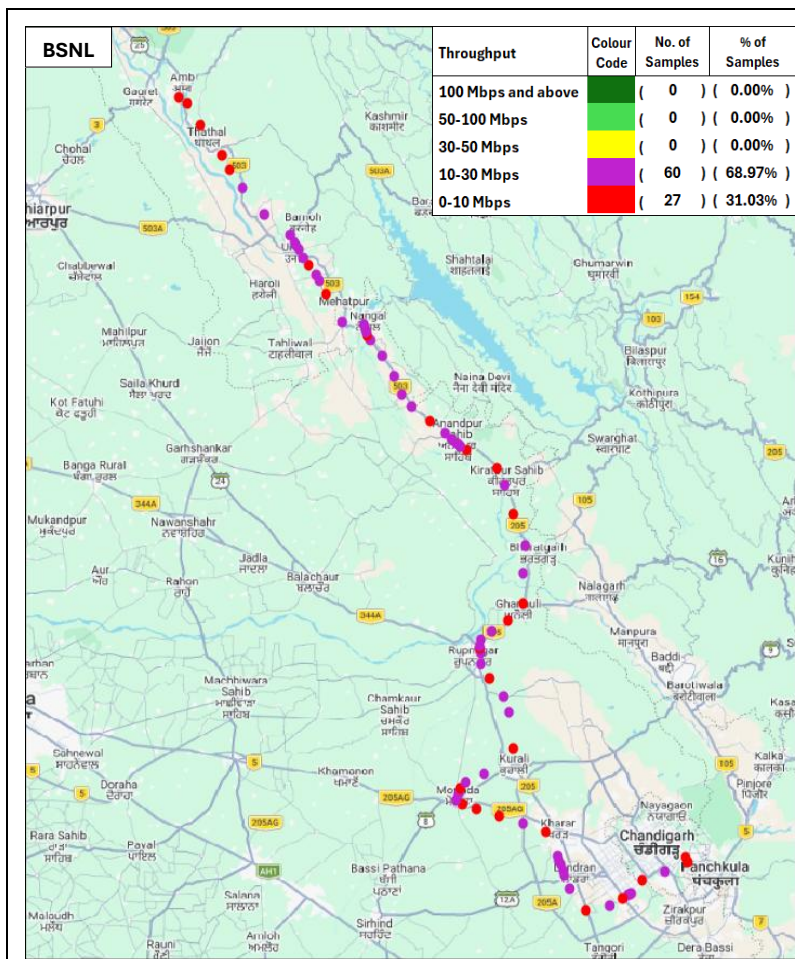
Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map

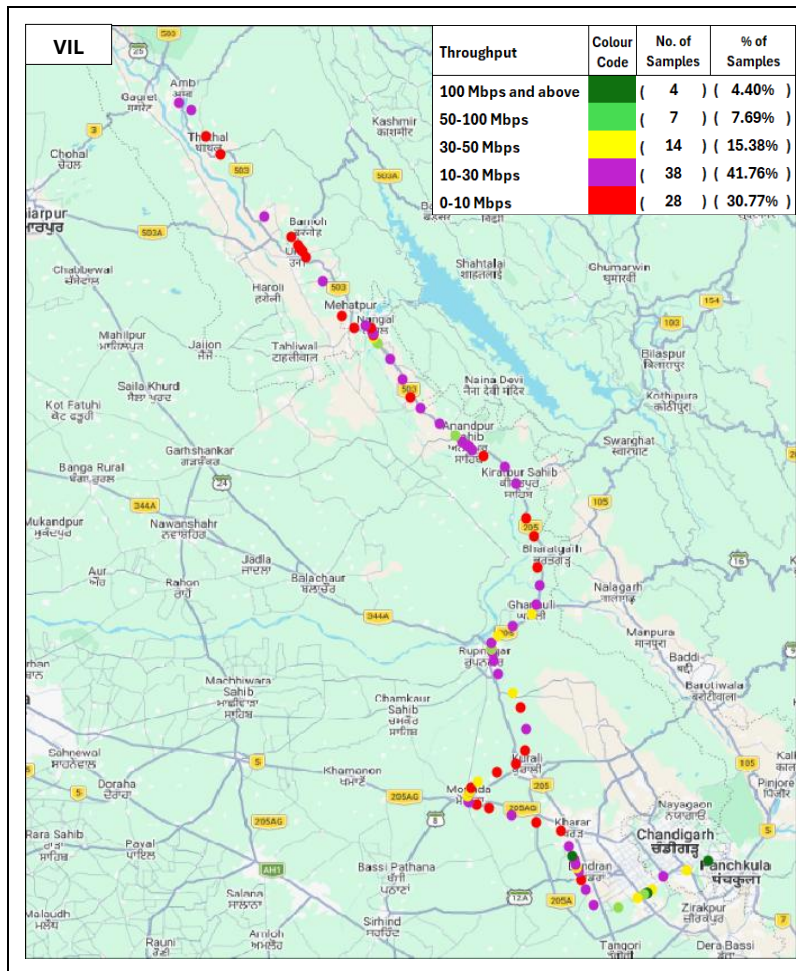
- c) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below: -

(i) **Download Throughput**

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 5G)
Typical Download throughput declared by TSP	(Mbits/s)	10.07	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	165.09	12.77	195.53	27.16



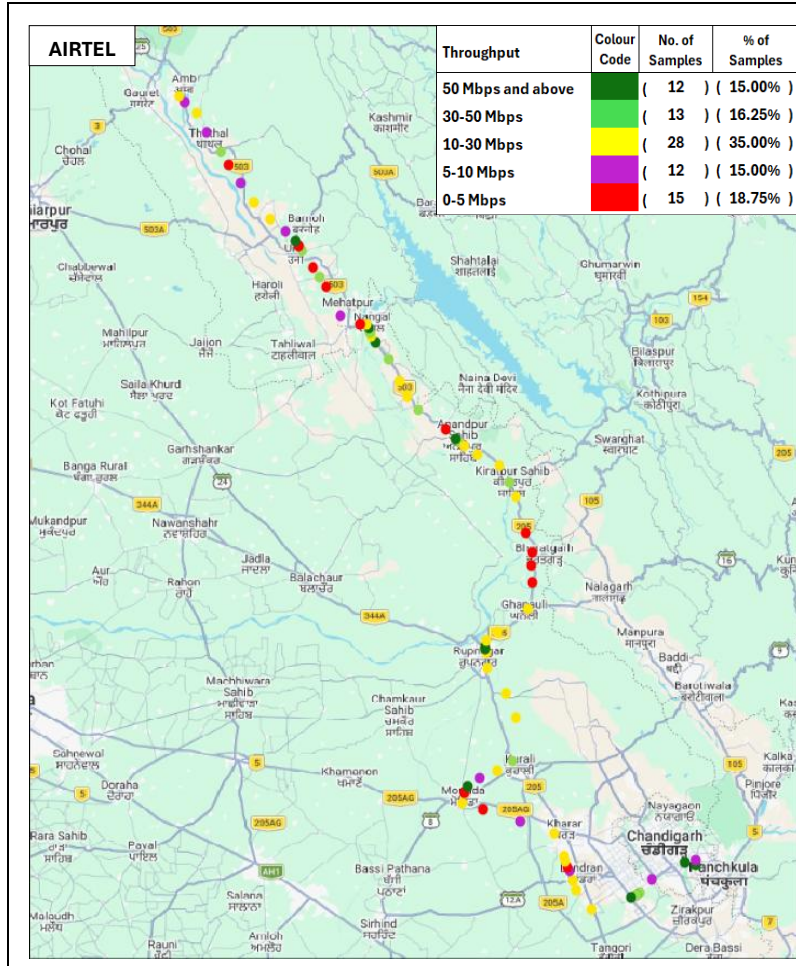


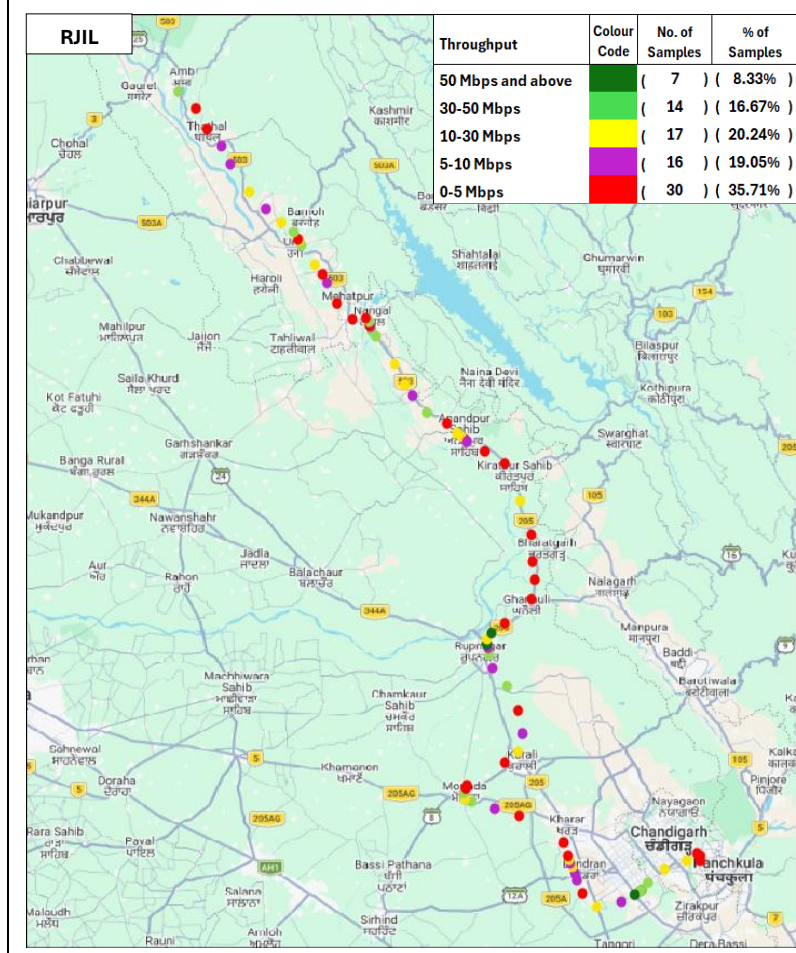
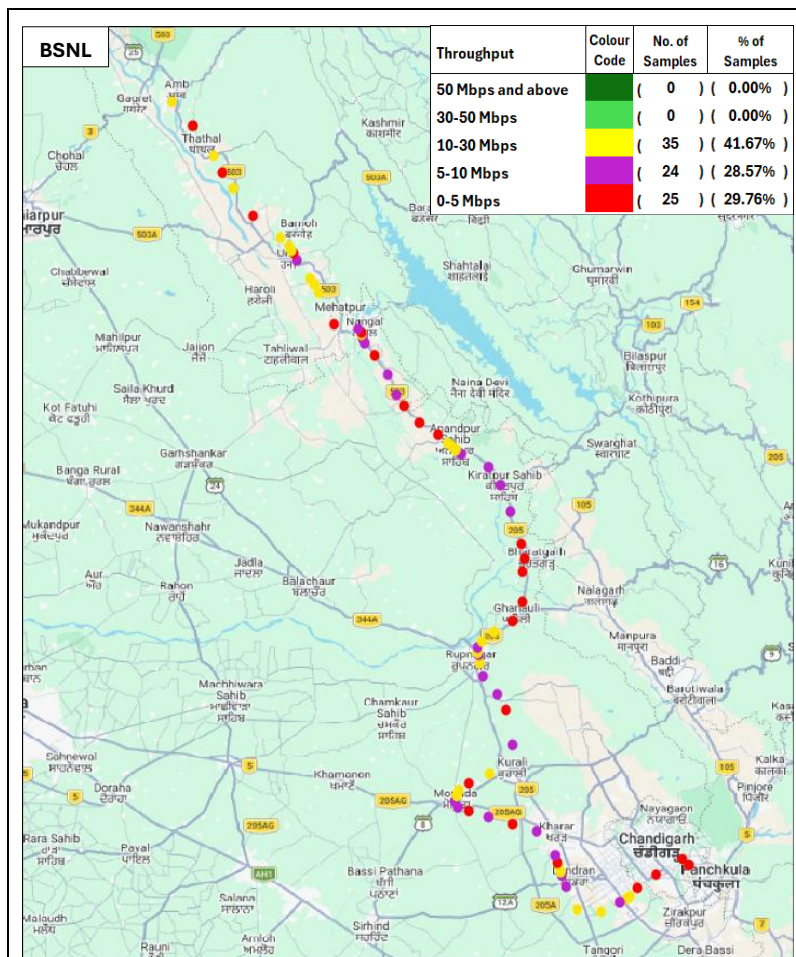


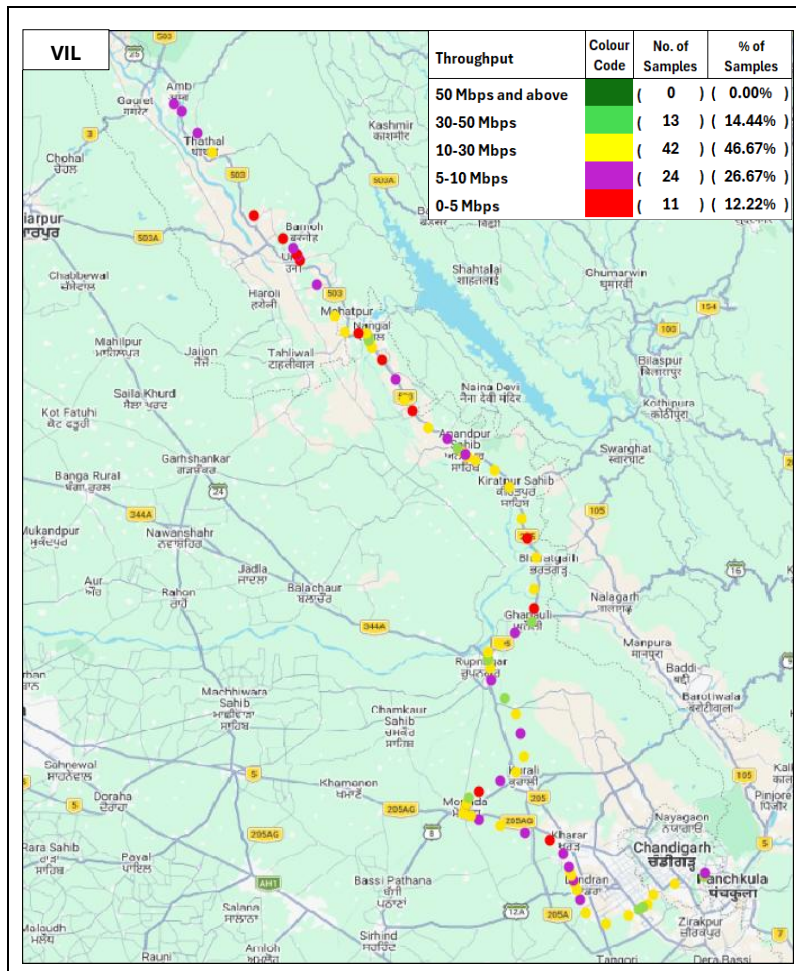
Note: Plot is based on Dynamic Drive Test results only

(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 5G)
Typical upload throughput declared by TSP	(Mbits/s)	3.63	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	25.67	8.66	17.83	15.48







Note: Plot is based on Dynamic Drive Test results only