Information Note to the Press (Press Release No 70/ 2026)

TELECOM REGULATORY AUTHORITY OF INDIA

www.trai.gov.in

New Delhi, 8th June 2026

For Immediate Release

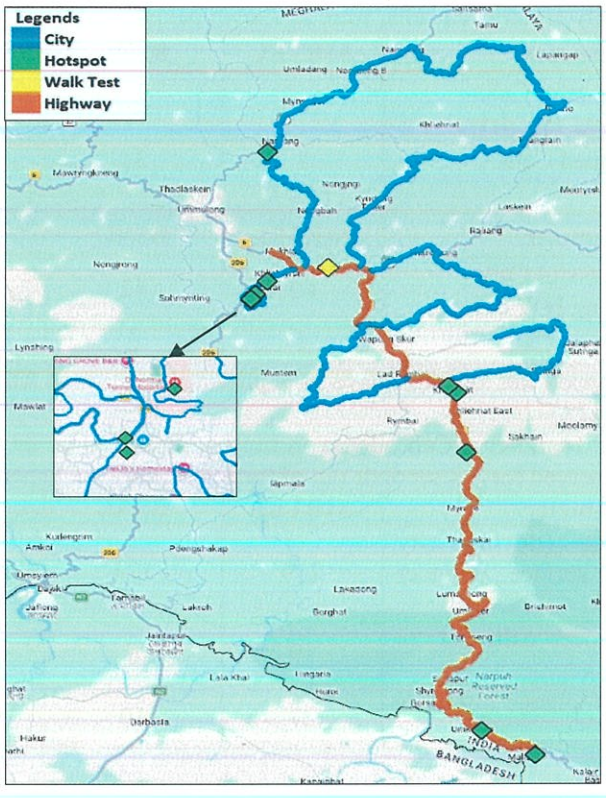
TRAI Assesses Mobile Network Quality Across cities and adjoining areas of East Jaintia Hills and West Jaintia Hills Districts and from Ratha Cherre Khasia Punjee to Jowai along NH-6 in the State of Meghalaya under North East LSA.

The Telecom Regulatory Authority of India (TRAI) has released findings of Independent Drive Test (IDT) conducted across East Jaintia Hills and West Jaintia Hills Districts and from Ratha Cherre Khasia Punjee to Jowai along NH-6 in the State of Meghalaya under North East LSA, during the month of March 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 analysed in real-time using advanced Software Systems.

3. TRAI, through its appointed agency, conducted drive tests across City drive – 213.0 KMs, Highway drive- 98.9 Kms, Hotspot locations - 10, Walk Test – 0.5 Kms in Meghalaya State during 11th March 2026 to 16th March 2026 in **North East LSA.** These tests were conducted under the supervision of the TRAI Regional Office Kolkata. 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 City drive, Inter-operator calling, Hotspots and Walk tests, 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 instance occurred during the calls.
d) **Data Servies:** Download/ Upload Throughput, Latency, Jitter, Packet Drop Rate

6. The overall mobile network performance in East Jaintia Hills and West Jaintia Hills Districts and from Ratha Cherre Khasia Punjee to Jowai along NH-6 for the key parameters has been summarised below: -

a) **Coverage Gap** - The signal strength observed during voice testing on the city drive test route and highway 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 as detailed below-

Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on **city Drive test route**	34747	24967	34627	28300
Number of Samples having poor signal strength	5822	11479	3808	13632

Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on **HW Drive test route**	12407	8972	14836	12887
Number of Samples having poor signal strength	1997	2719	2091	4946

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 as shown below.

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established during **city drive**	246	164	249	216
Number of dropped Calls	5	34	2	30

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established during **HW drive**	62	42	76	70
Number of dropped Calls	3	6	3	10

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 as shown below-

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (**during city drive**) (within service provider network)	239	124	242	149
Number of silences calls for >3 Sec	19	8	11	3
Total number of silence instances for >3 Sec	27	10	18	3

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (during **HW drive)** (within service provider network)	63	36	61	51
Number of silences calls for >3 Sec	5	5	5	1
Total number of silence instances for >3 Sec	8	9	6	2

Details of the call silence instance 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 per below-

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	9.14	5.00	15.00	15.00
Average Download Throughput measured during IDT (**city drive**)	(Mbits/s)	72.24	9.54	97.89	25.45

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	9.14	5.00	15.00	15.00
Average Download Throughput measured during IDT (**HW drive**)	(Mbits/s)	88.50	4.37	122.77	23.35

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

ii) **Data Upload performance (Overall):** Average upload speed was observed as per below-

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	4.47	3.00	7.00	8.00
Average Upload Throughput measured during IDT (**City drive**)	(Mbits/s)	14.50	3.85	6.21	4.81

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	4.47	3.00	7.00	8.00
Average Upload Throughput measured during IDT (**HW drive**)	(Mbits/s)	20.22	2.31	5.64	5.12

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.**

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

a) **City** - The areas covered in the city drive are Jowai, Khliehtyrshi, Nongbah, Moorap, Nartiang, Mynsgat, Namdong, Barato, Kyndong Tuber, Phramer, Shangpung, Byrwai Village, Pynthorscale, Mutong, Kongong, Sutunga and Rachai etc.

b) **Highway**- The areas covered in the HW drive are Ratha Cherre Khasia Punjee to Jowai along NH-6 passing through Ratachera, Rungchera, Umkiyang, Sonapur, Lumsunong, Mynkre, Lad Rymbai, Wapung Sukar, Mynswang and Mukhla etc.

c) **Hotspot** - The hot spot locations, capturing stationary user experience, are (i) 25.035635/ 92.436586, NH6, Suna Cherra Mikir Punji, (ii) 25.057459/ 92.391394, NH6, Umkiyang, (iii) 25.303694/ 92.378571, NH6, Myndihati, (iv) District and Sessions Court East Jaintia Hills District Khliehriat, (v) Dr. Norman Tunnel Hospital, Jowai, (vi) Jaintia Hills Autonomous District Council, Jowai, (vii) Kiang Nangbah Government College Ladthadlaboh, Jowai, (viii) Office of The Deputy Commissioner, Jowai, (ix) Rama Krishna Mission Secondary School Nartiang, (x) Vishal Mega Mart Khileriat Dkhiah East.

c) **Walk Test** - The walk tests conducted on 13th March 2026, covered District Civil Hospital Ialong, capturing mobile network behaviour in crowded pedestrian environments.

8. 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.kolkata@trai.gov.in or Regional Office of TRAI at Kolkata RO can be contacted on telephone no. *+91-33-22361401.*

K. Mukherjee

Kaushik Mukherjee
Advisor, RO Kolkata
08/06/2026

Annexure

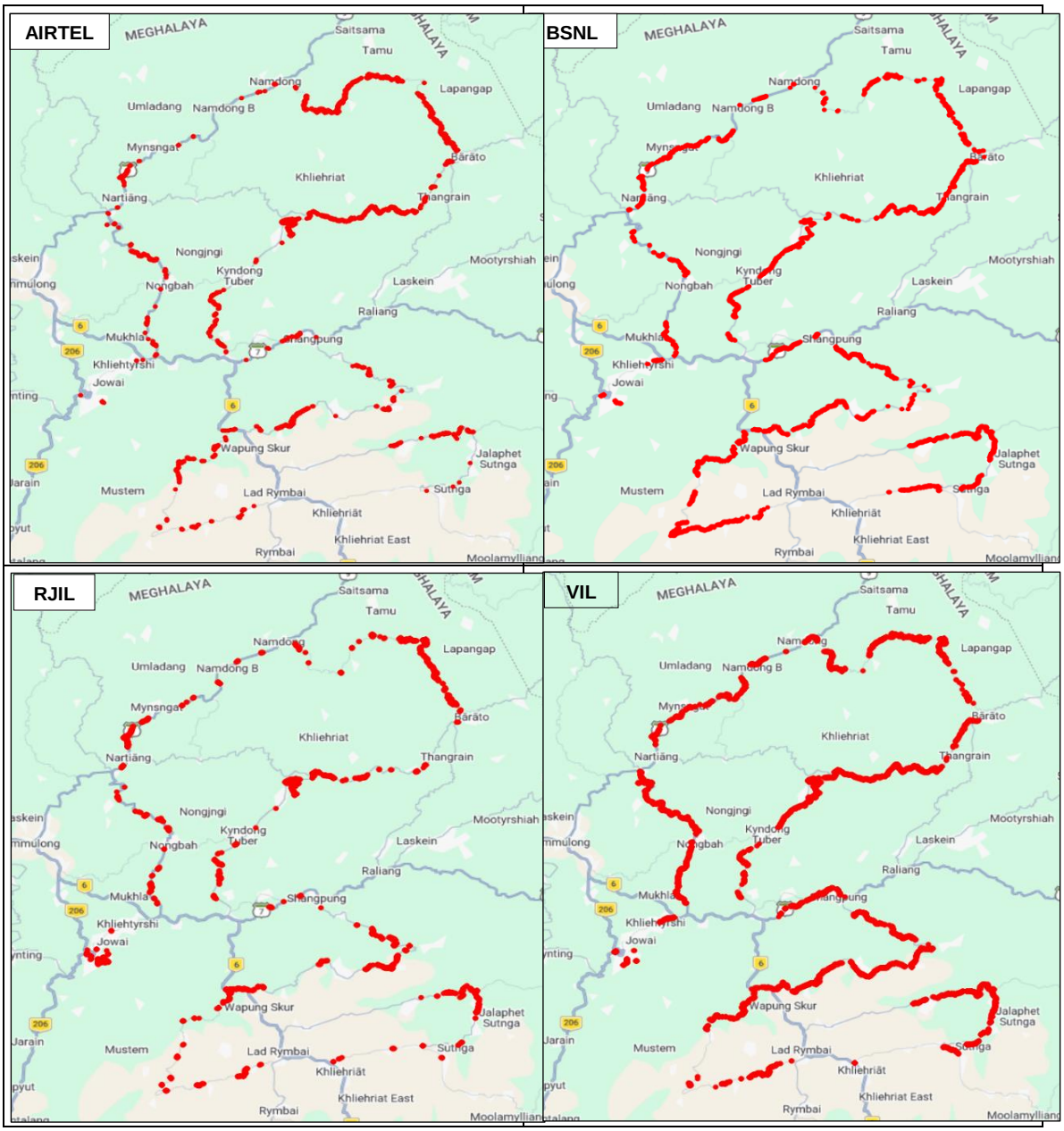
1. East Jaintia Hills and West Jaintia Hills Districts (City drive)

a) Coverage Gap – The coverage distribution found less than the minimum specified signal strength for the **city 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	34747	24967	34627	28300
Number of Samples having poor signal strength	5822	11479	3808	13632

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 (City Drive)

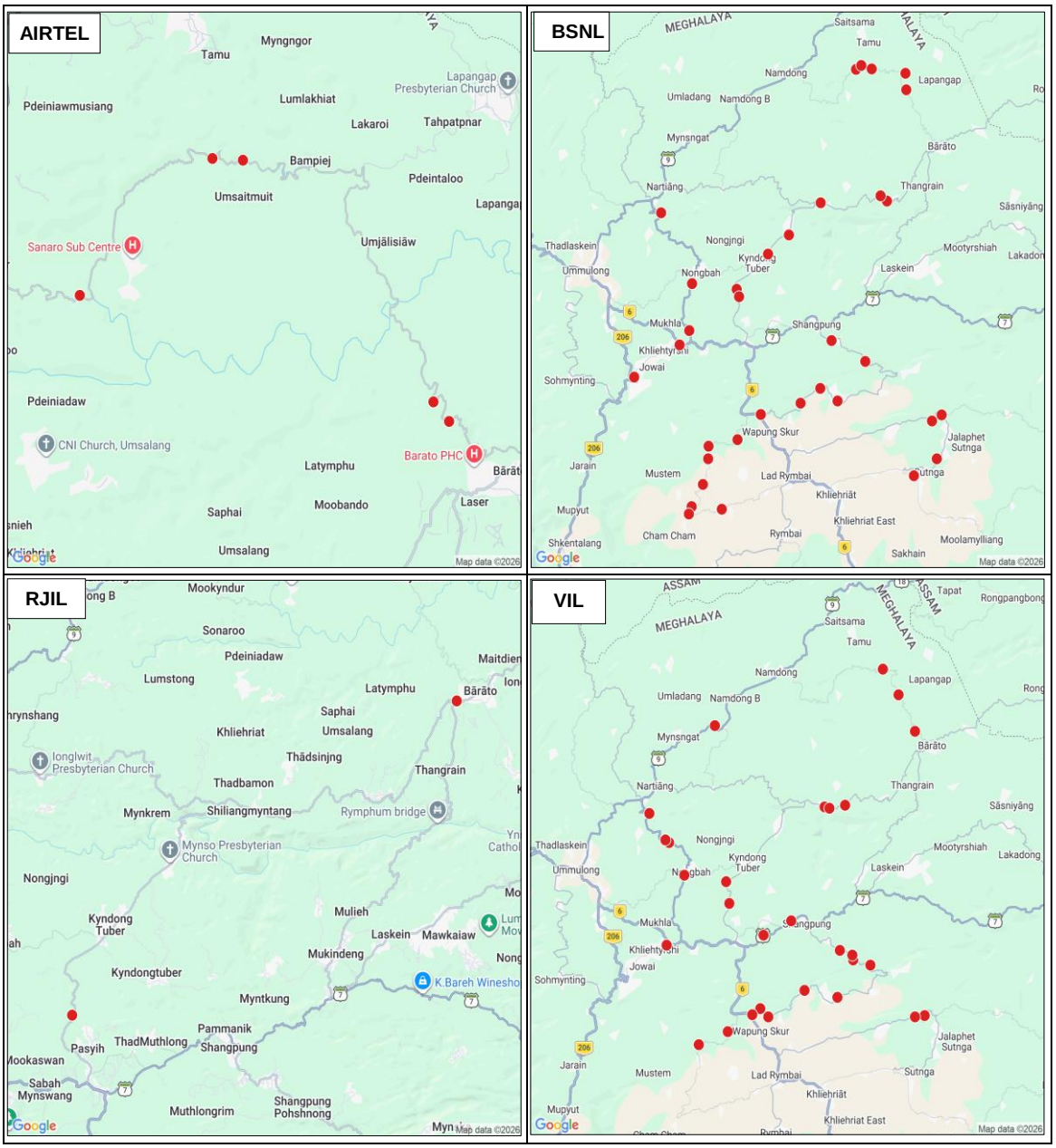


Note: Plot is based on Dynamic Drive Test results only.

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

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	246	164	249	216
Number of dropped Calls	5	34	2	30

Locations of Dropped Calls (City drive)

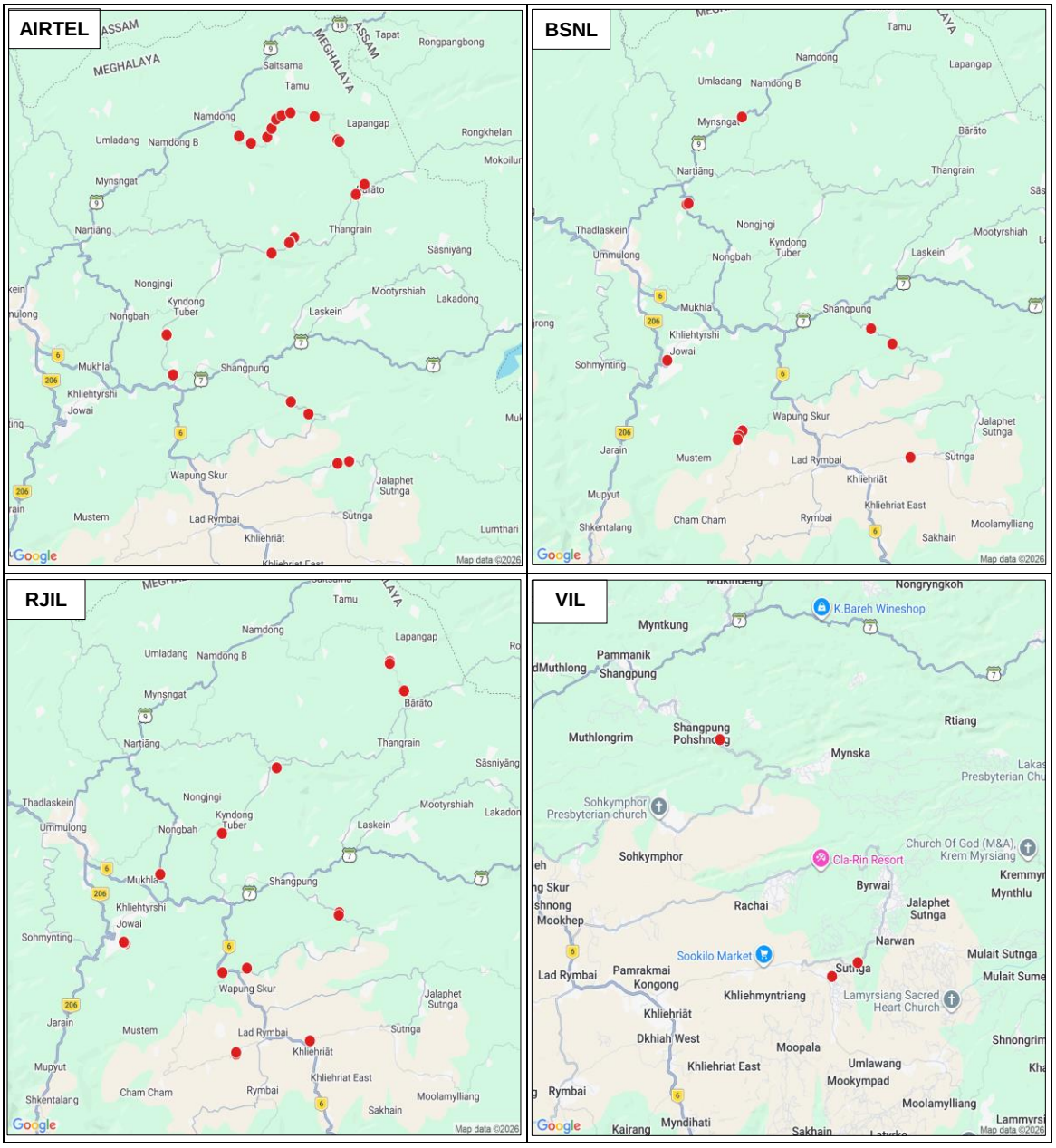


Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the maps.

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

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	239	124	242	149
Number of silences calls for >3 Sec	19	8	11	3
Total number of silence instances for >3 Sec	27	10	18	3

Locations of Call Silence Instance (City drive)

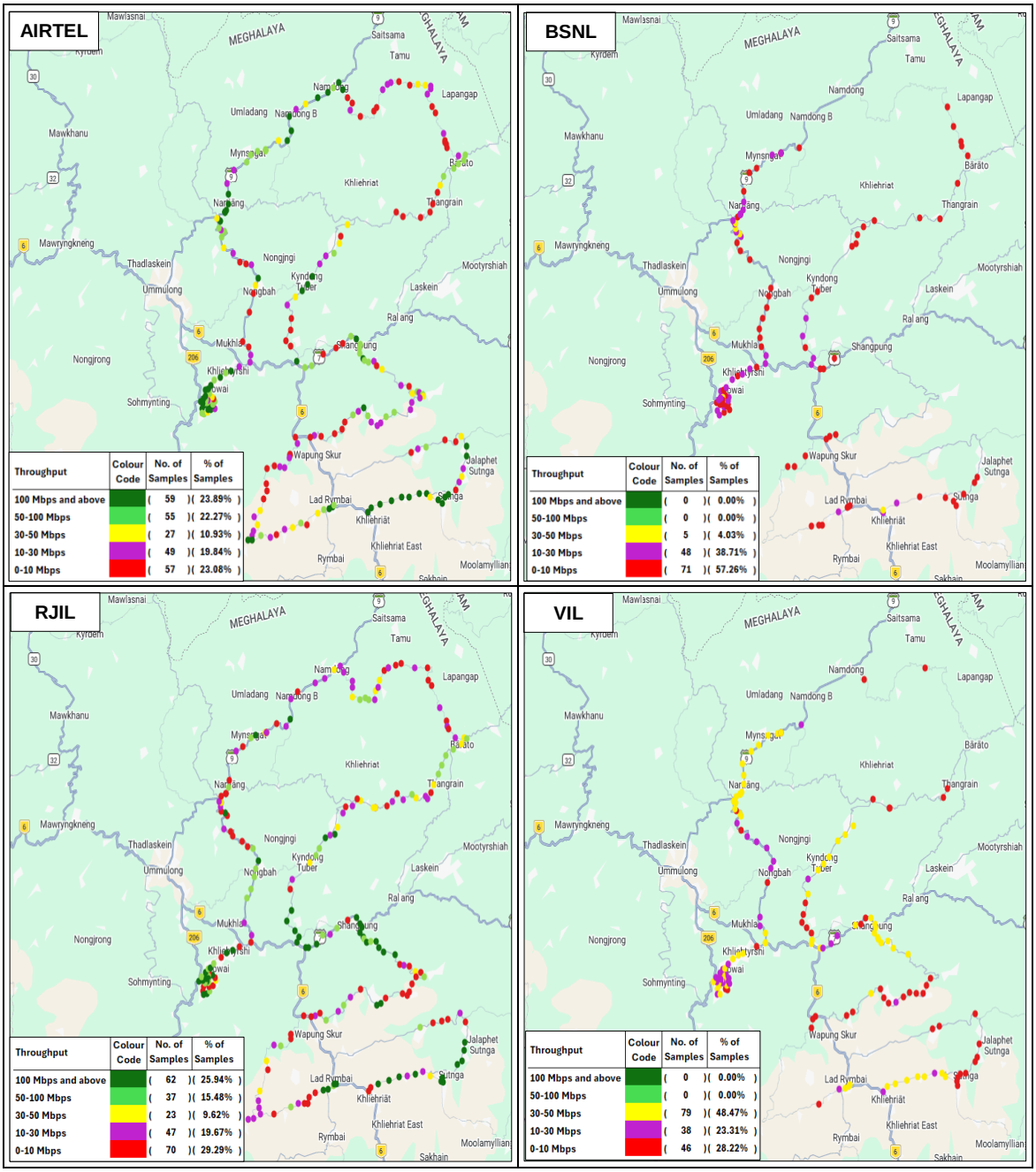


Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map.

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 (City drive)

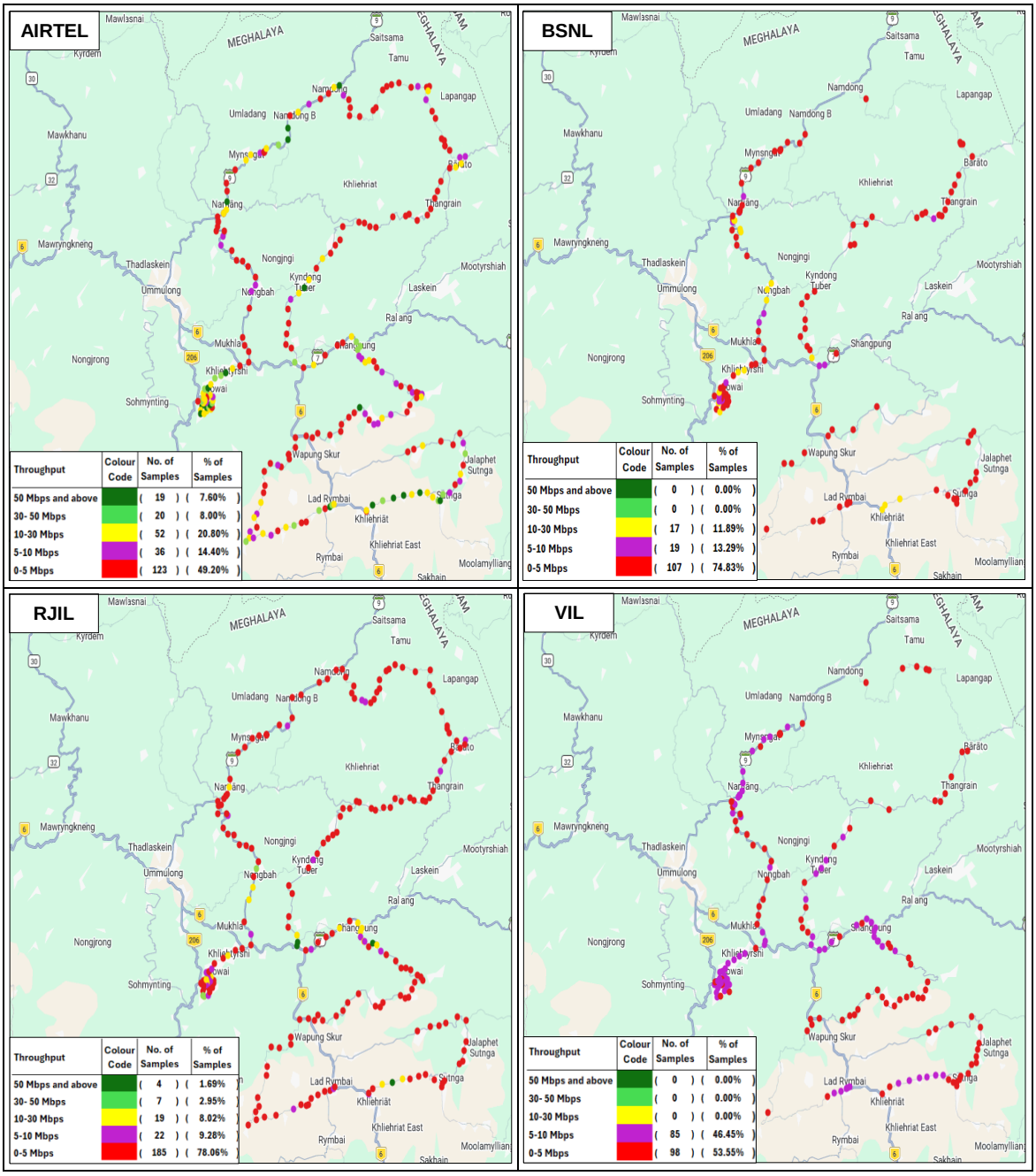
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	9.14	5.00	15.00	15.00
Average Download Throughput measured during IDT (**city drive**)	(Mbits/s)	72.24	9.54	97.89	25.45



Note: Plot is based on Dynamic Drive Test results only**.**

(ii) Upload Throughput (City drive)

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	4.47	3.00	7.00	8.00
Average Upload Throughput measured during IDT (**City drive**)	(Mbits/s)	14.50	3.85	6.21	4.81



Note: Plot is based on Dynamic Drive Test results only**.**

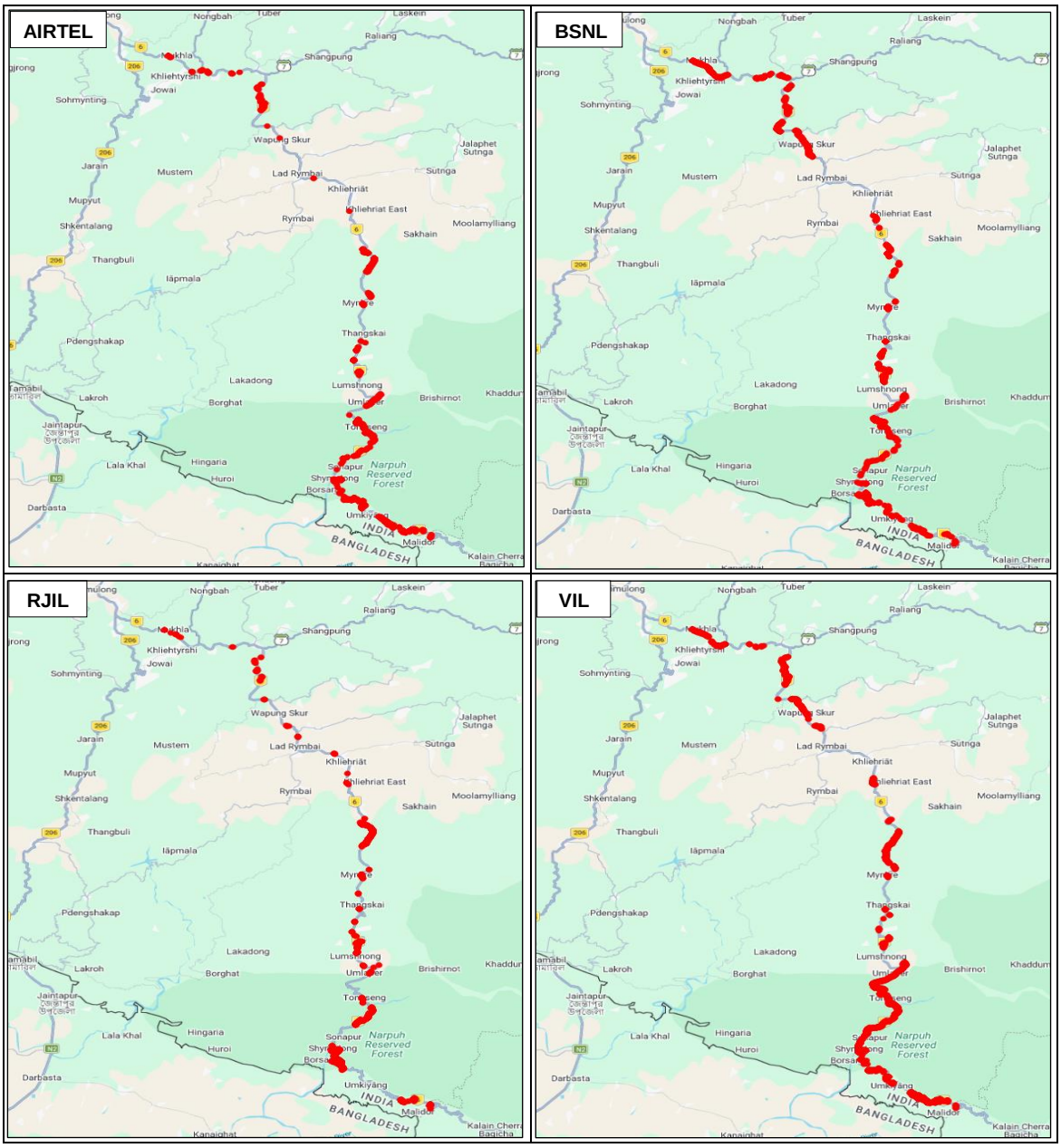
2. Ratha Cherre Khasia Punjee to Jowai along NH-6 (HW drive):

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	12407	8972	14836	12887
Number of Samples having poor signal strength	1997	2719	2091	4946

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 (Highway)

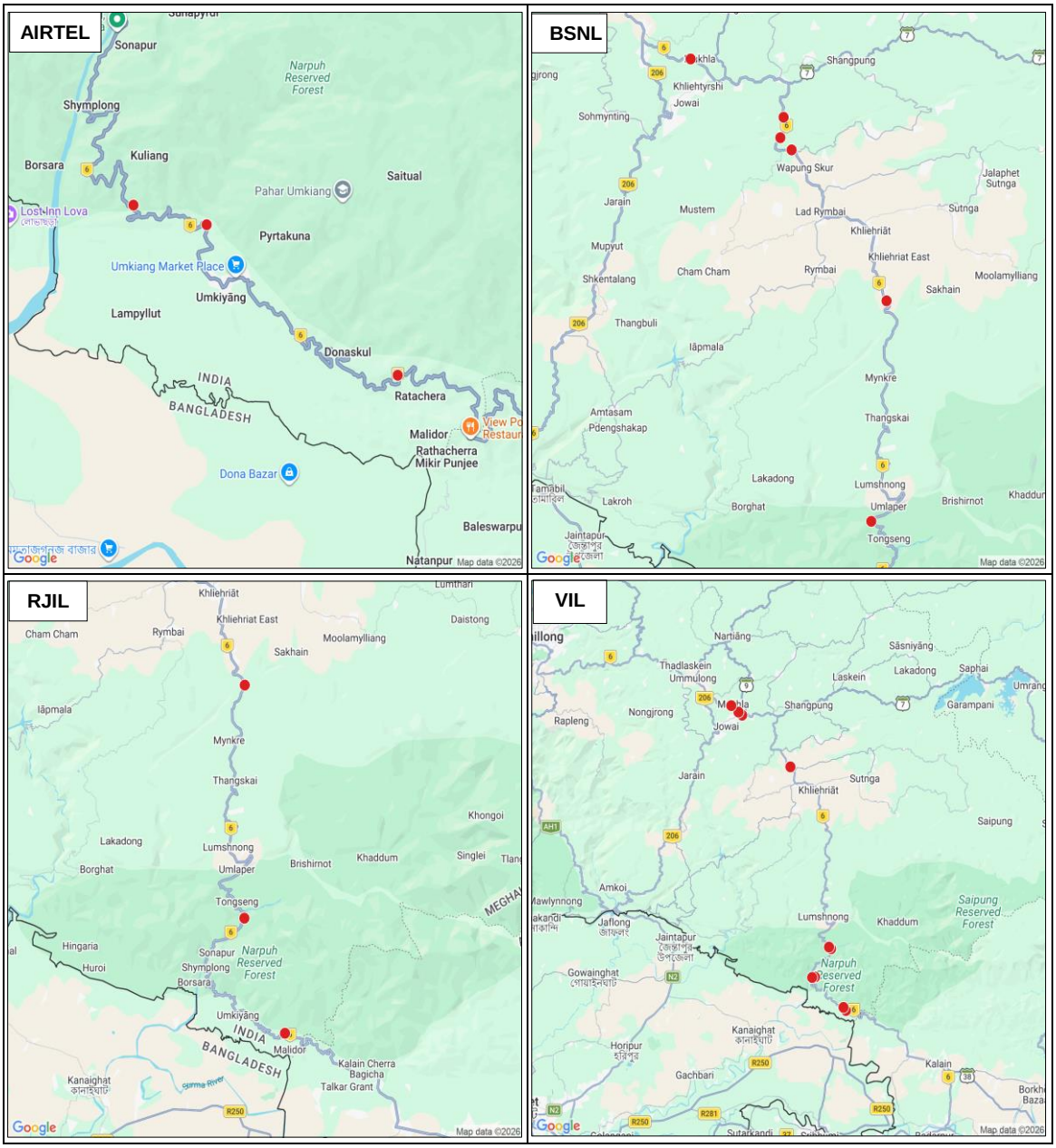


Note: Plot is based on Dynamic Drive Test results only.

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

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	62	42	76	70
Number of dropped Calls	3	6	3	10

Locations of Dropped Calls (Highway drive)

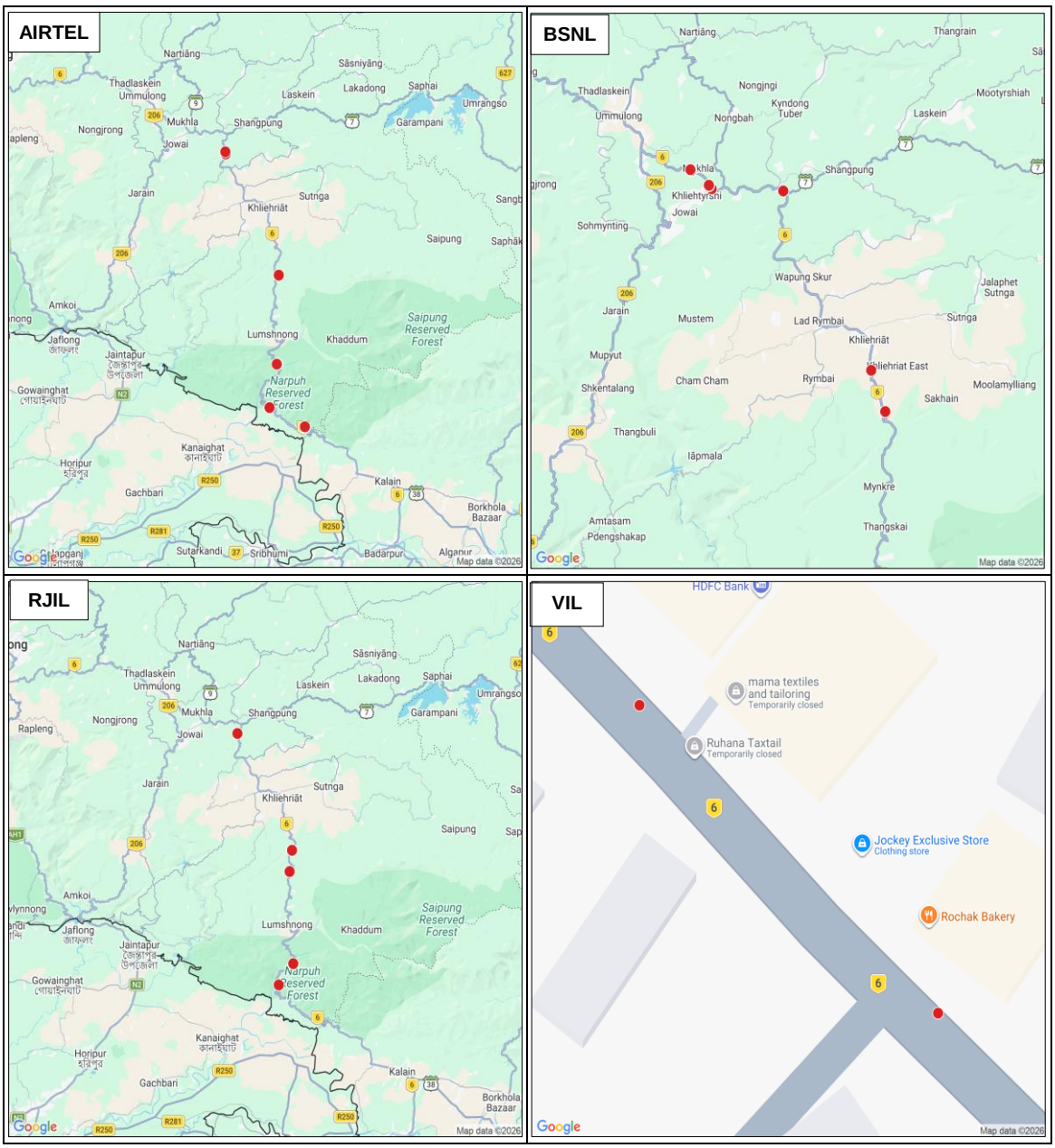


Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map.

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

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	63	36	61	51
Number of silences calls for >3 Sec	5	5	5	1
Total number of silence instances for >3 Sec	8	9	6	2

Locations of Call Silence Instance (Highway drive)

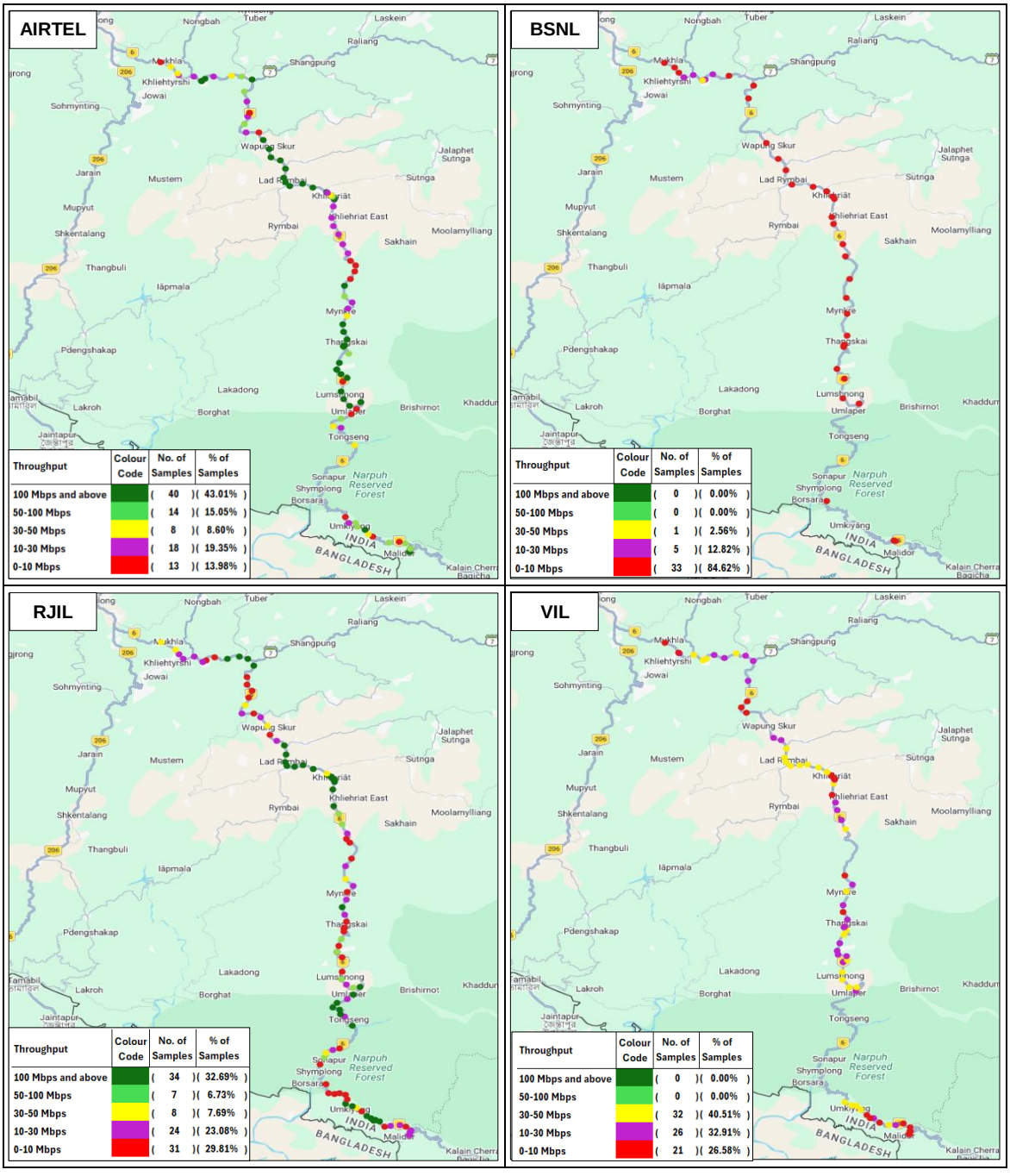


Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map.

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 (Highway drive)

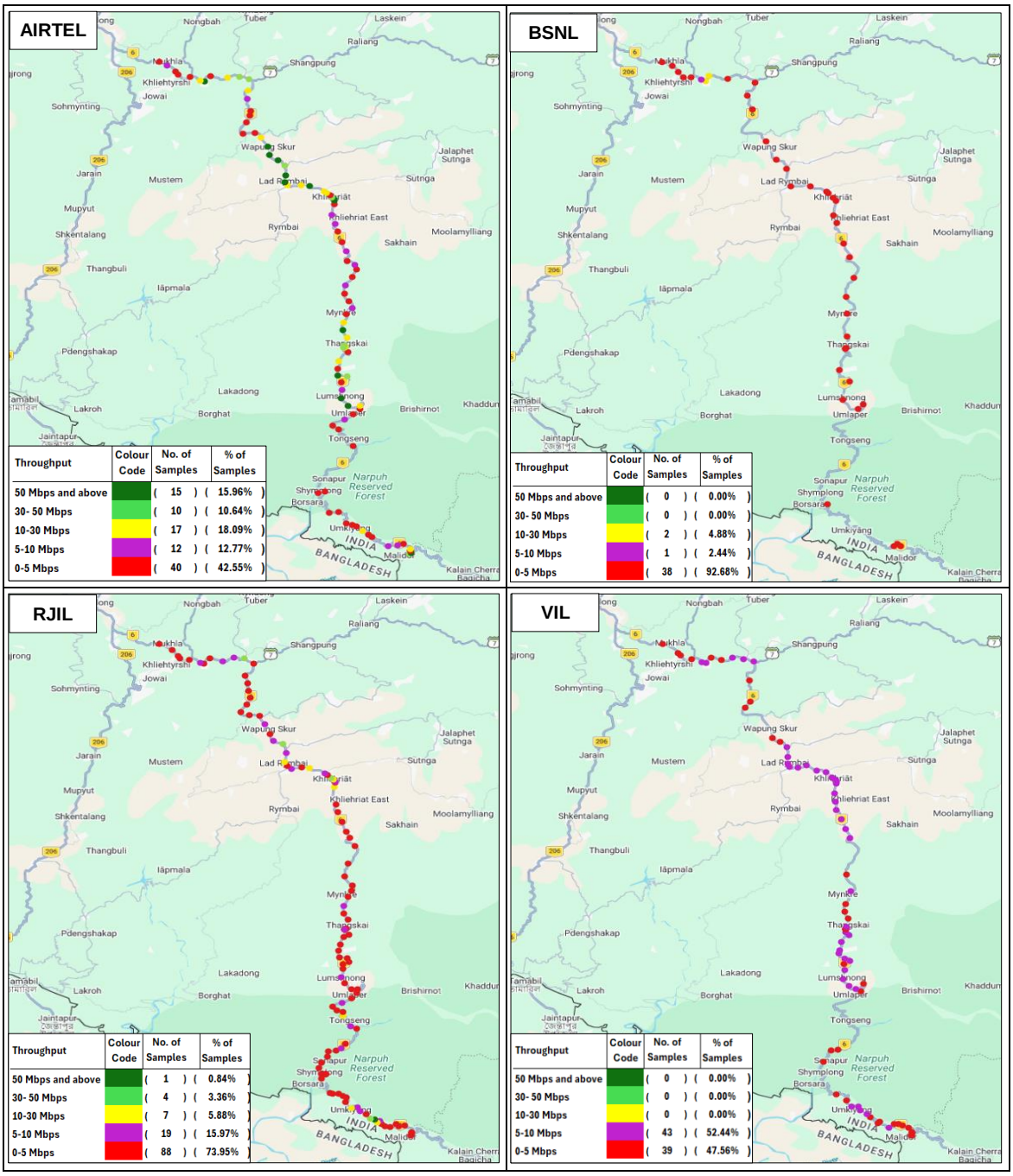
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	9.14	5.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	88.50	4.37	122.77	23.35



Note: Plot is based on Dynamic Drive Test results only.

(ii) Upload Throughput (Highway drive)

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	4.47	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	20.22	2.31	5.64	5.12



Note: Plot is based on Dynamic Drive Test results only**.**