Information Note to the Press (Press Release No. 161 / 2026)

TELECOM REGULATORY AUTHORITY OF INDIA

www.trai.gov.in

New Delhi, 26 Nov 2026

For Immediate Release

TRAI Assesses Mobile Network Quality Across Una, Lal Singhi, Jhelara, Jal Gran, Dangoli, Bhadwar, Barnoh, Matyana, Shiv Nagar, Takoli, Bharmar, Chauki Maniar, Baruhi, Akrot, Kutheram, Amb, Mandi, Randhara, Rewalsar, Dhalwan, Kapahi, Sundar Nagar, Dadour, Gutkar, Mehar, Kunnu, Narla, Padhar, Kotropi, Urla, Ghatasani, Harabhag, Joginder Nagar, Chauntra, Machial, Baroti, Giun, Kotli etc. and nearby areas

The Telecom Regulatory Authority of India (TRAI) has released findings of Independent Drive Test (IDT) conducted across city route of Una, Mandi, Joginder Nagar and highway route of Una to Mandi and Mandi to Una under HP LSA, during the month of Sep 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 City drive – 373 Km, Hotspot locations - 06, Walk Test - 5.2 Km, Highway Drive – 225.1 Km, and Inter Operator Calling at 01 location during 15th Sep 2026 to 18th Sep 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 routes**: The map provides overview of drive test routes indicating city drive, Inter-operator call test, hotspots, walk test and highway as per the legends shown on the map: -

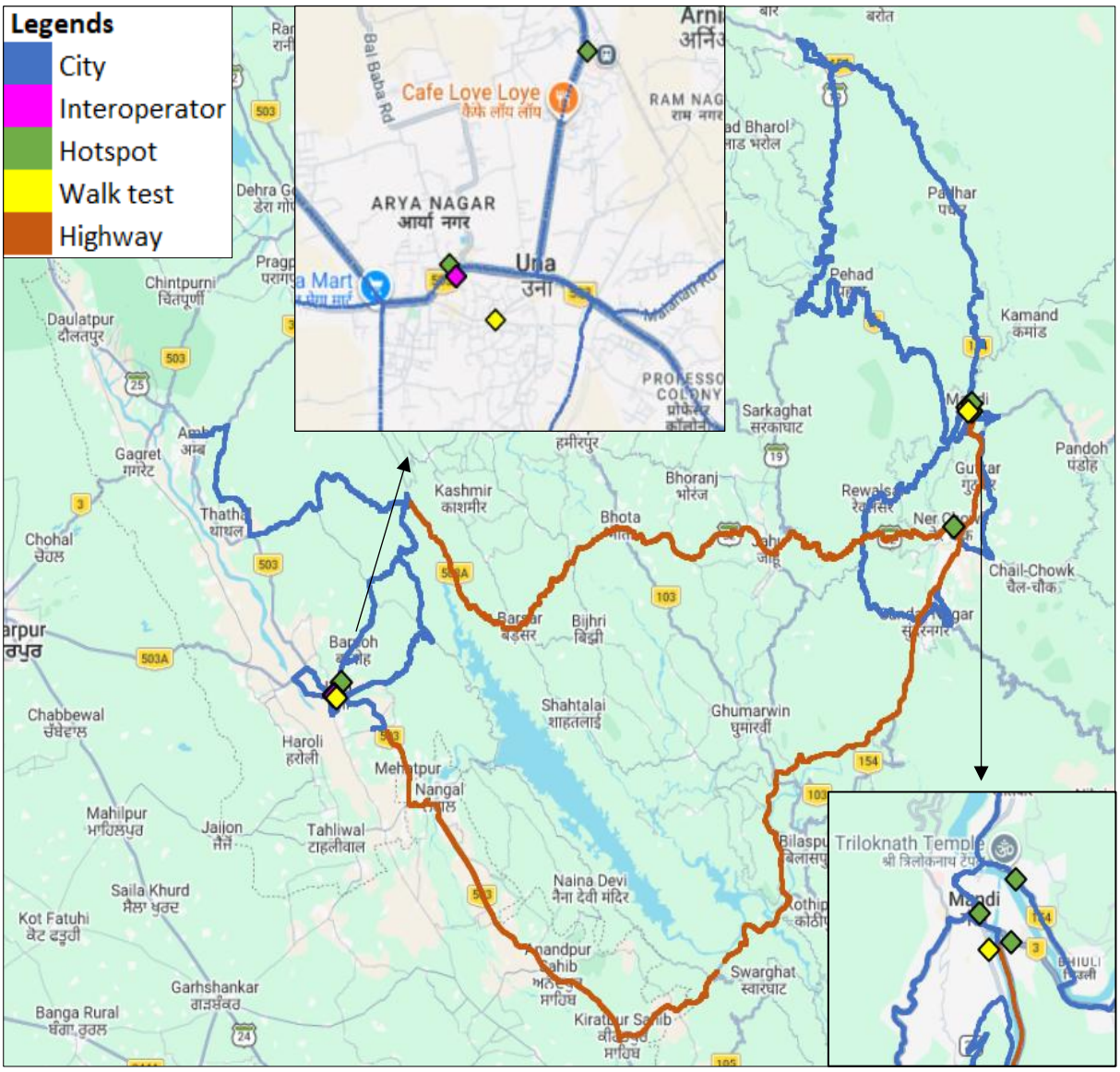


Figure-1: Drive test routes

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 across Una, Mandi & Joginder Nagar city (Himachal Pradesh LSA) for the key Parameters have 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 3846/64200 for Airtel, 20158/60813 for BSNL, 2174/63875 for RJIL and 16902/63375 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 5/570 for Airtel, 49/538 for BSNL, 3/565 for RJIL and 13/560 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 15/536 for Airtel, 4/433 for BSNL, 9/539 for RJIL and 12/497 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 122.28 Mbps for Airtel (5G), 9.49 Mbps for BSNL (4G), 171.68 Mbps for RJIL (5G) and 12.18 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 13.44 Mbps for Airtel (5G), 4.57 Mbps for BSNL (4G), 18.01 Mbps for RJIL (5G) and 5.45 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 on Una to Mandi highway route (Himachal Pradesh LSA) 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 387/13127 for Airtel, 3173/12473 for BSNL, 344/12972 for RJIL and 3206/12923 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 2/67 for Airtel, 7/63 for BSNL, 2/65 for RJIL and 6/65 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 1/66 for Airtel, 2/61 for BSNL, 4/65 for RJIL and 2/64 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 169.31 Mbps for Airtel (5G), 9.32 Mbps for BSNL (4G), 193.46 Mbps for RJIL (5G) and 10.36 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 15.54 Mbps for Airtel (5G), 6.29 Mbps for BSNL (4G), 21.43 Mbps for RJIL (5G) and 5.30 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 on Mandi to Una highway route (Himachal Pradesh LSA) 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 396/12455 for Airtel, 3403/12632 for BSNL, 334/11892 for RJIL and 2466/12200 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 1/62 for Airtel, 13/67 for BSNL, 2/61 for RJIL and 3/61 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 1/60 for Airtel, 1/58 for BSNL, 2/60 for RJIL and 0/61 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 209.58 Mbps for Airtel (5G), 10.15 Mbps for BSNL (4G), 194.88 Mbps for RJIL (5G) and 9.63 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 14.67 Mbps for Airtel (5G), 5.59 Mbps for BSNL (4G), 14.40 Mbps for RJIL (5G) and 4.36 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. Details of drive test route and area covered during the IDT are as below: -

a) ***City*** *- The areas covered in the city drive are* Una, Lal Singhi, Jhelara, Jal Gran, Dangoli, Bhadwar, Barnoh, Matyana, Shiv Nagar, Takoli, Bharmar, Chauki Maniar, Baruhi, Akrot, Kutheram, Amb, Mandi, Randhara, Rewalsar, Dhalwan, Kapahi, Sundar Nagar, Dadour, Gutkar, Mehar, Kunnu, Narla, Padhar, Kotropi, Urla, Ghatasani, Harabhag, Joginder Nagar, Chauntra, Machial, Baroti, Giun, Kotli etc. and nearby areas.

b) ***Highway*** *- The area covered in the Highway route are Una to Mandi* via Gutkar, Ner Chowk, Sundar Nagar, Bilaspur, Kothipura, Kiratpur Sahib, Anandpur Sahib, Nangal and Mehatpur etc. and Mandi to Una via Ner Chowk, Jahu, Ladrpur, Bhota, Salouni, Barsar and Bangana etc.

c) ***Hotspot*** *- The hotspot locations, capturing stationary user experience are Lal Bahadur Shastri Government Hospital Mandi, Mandi Bus Stand, Mandi Mall Road Purani Mandi-Mandi, Regional Hospital Una & Una Bus Stand.*

d) **Walk Test** - The walk test conducted on 17th Sep 2026 & 18th Sep 2026, covered Jivan Market Una & Mandi Mall Road capturing mobile network behaviours in crowded pedestrian environments.

10. 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.delhi@trai.gov or Regional Office of TRAI at Delhi RO can be contacted on telephone No. +91-11-20907772.

(**Rajesh Kumar Agerwal**)
Advisor, RO Delhi, TRAI

Annexure – I

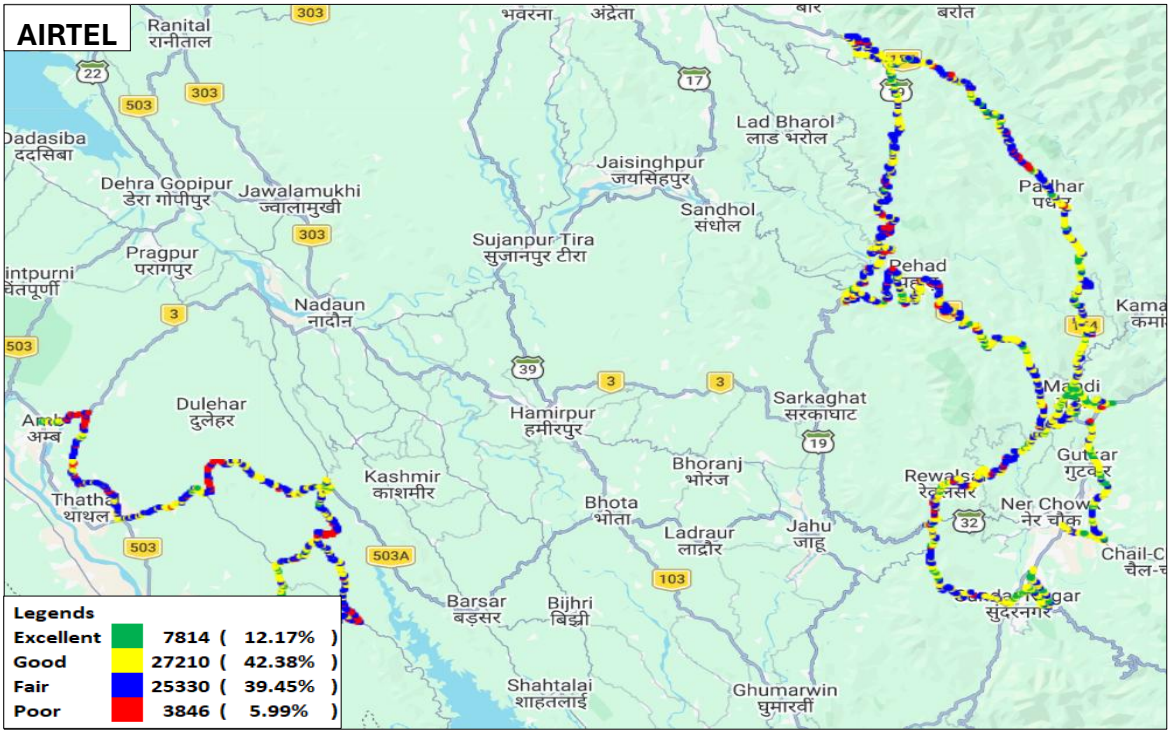
1. Una, Mandi & Joginder Nagar City:-

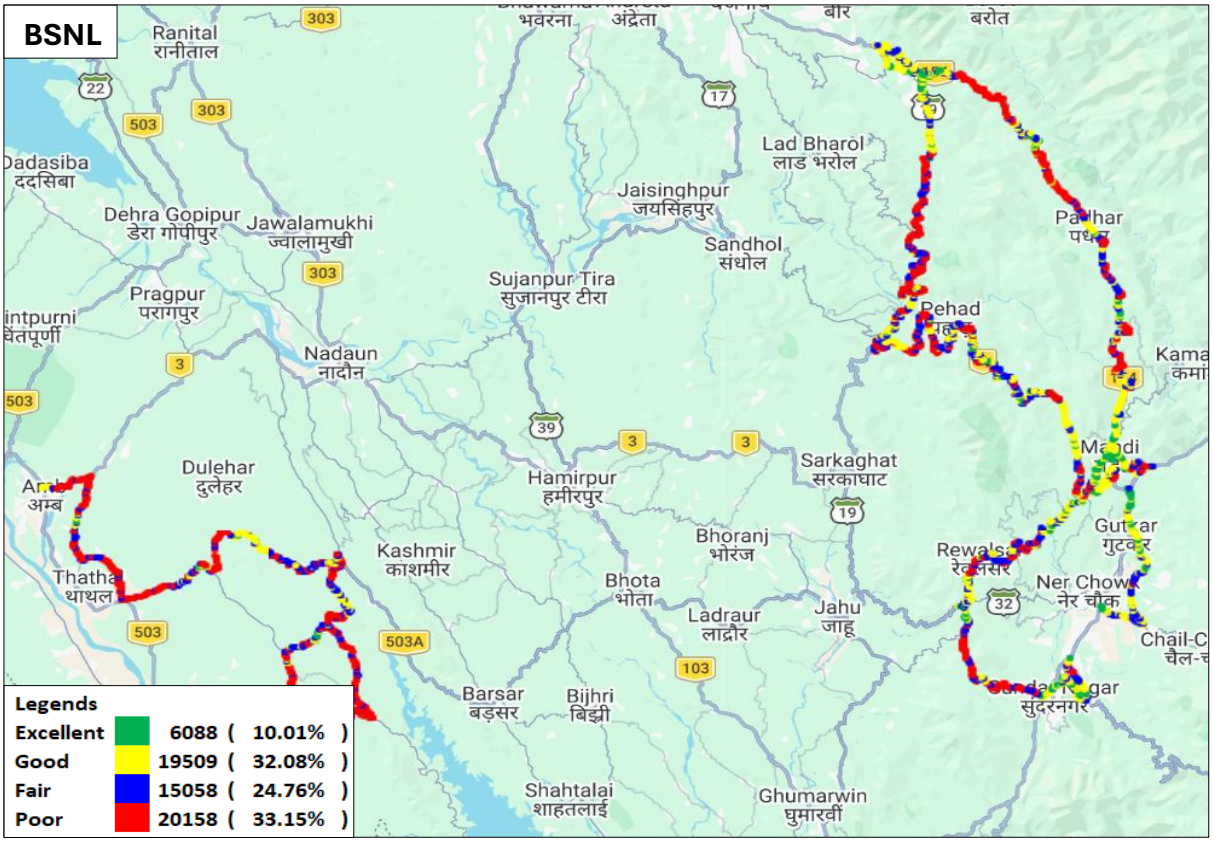
a) Coverage Gap – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below:-

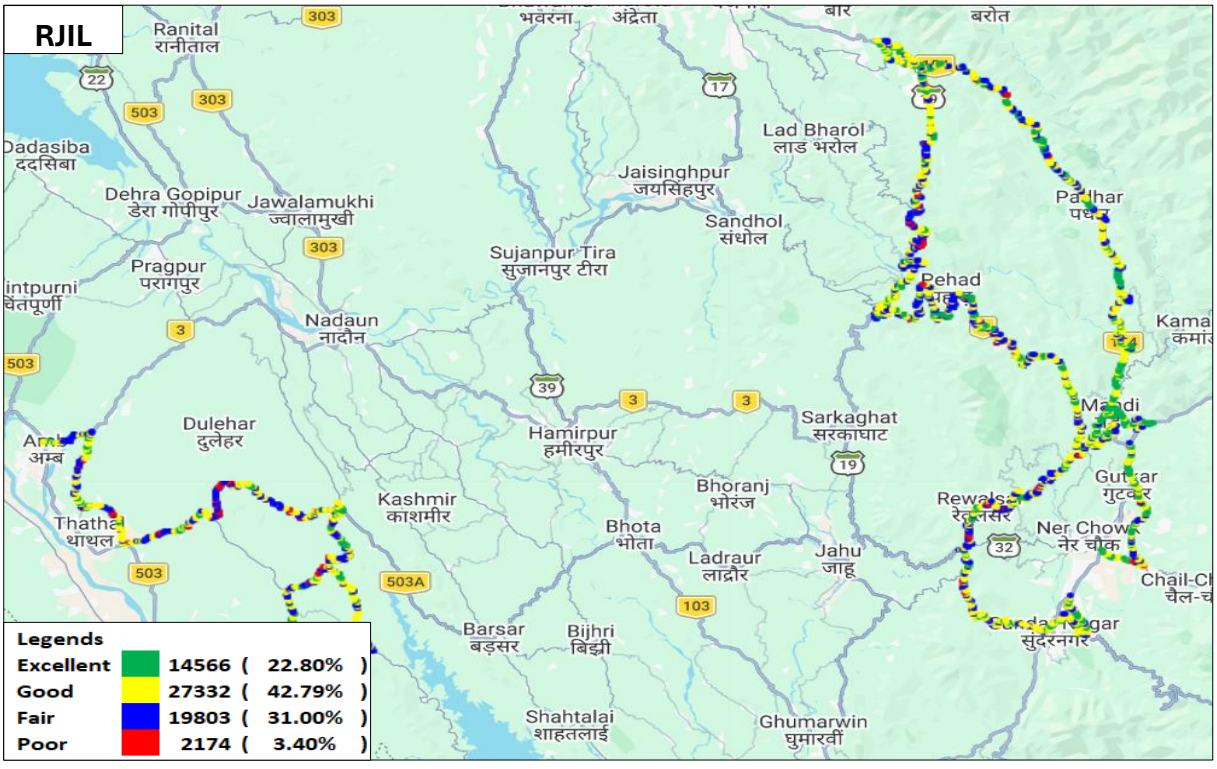
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	64200	60813	63875	63375
Number of Samples having poor signal strength	3846	20158	2174	16902
Number of Samples having Limited Service (No Coverage)	31	632	23	169

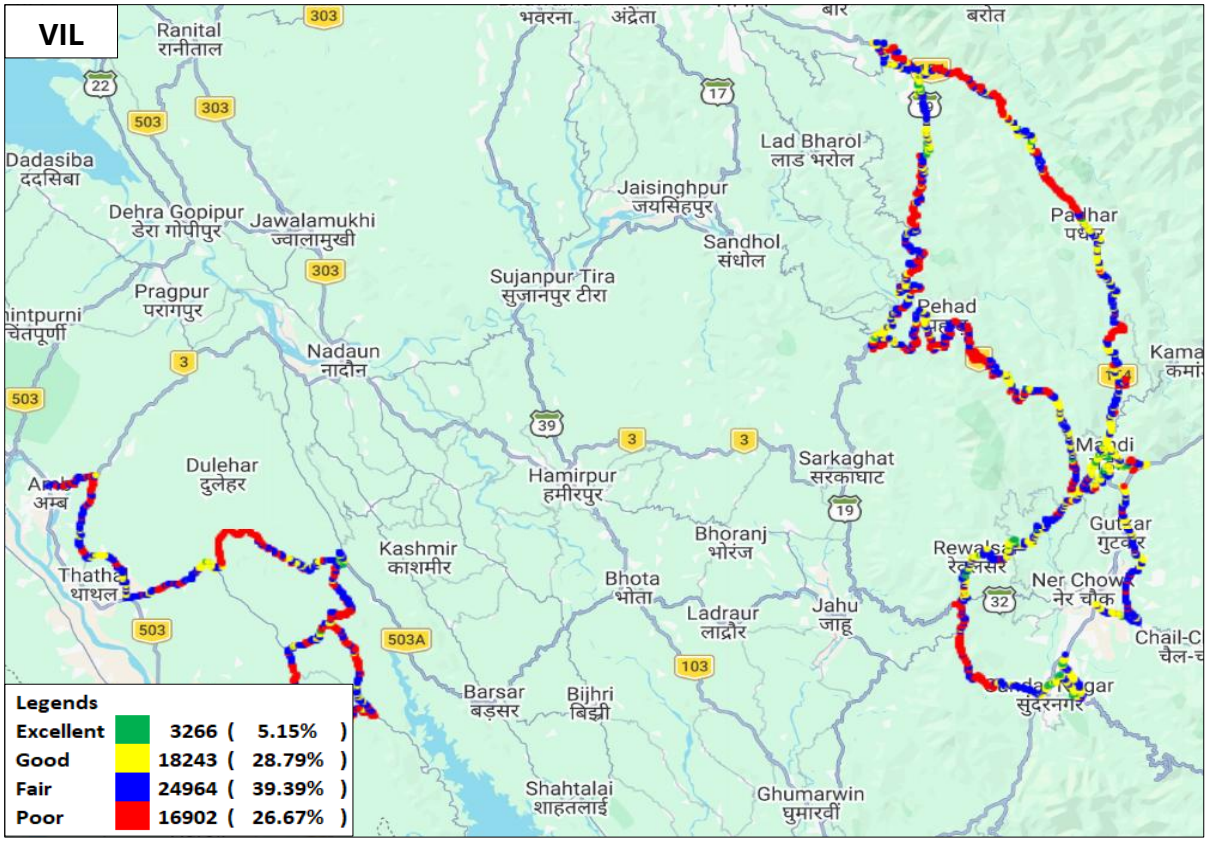
Note: Signal strength has been considered poor if it falls below −110 dBm for 5G & 4G, −90 dBm for 3G, and −85 dBm for 2G.

Coverage Gap observed




BSNL
Ranital
रानीताल
Dadasiba
ददसिबा
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Pragpur
परागपुर
Nadaun
नादौन
Dulehar
दुलेहर
Thatha
थाथल
Kashmir
काश्मीर
Barsar
बड़सर
Bijhri
बिझी
Shahtalai
शाहतलाई
Hamirpur
हमीरपुर
Sujanpur Tira
सुजानपुर टीरा
Jaisinghpur
जयसिंहपुर
Sandhol
संधोल
Lad Bharol
लाड भरोल
Sarkaghat
सरकाघाट
Bhoranj
भोरंज
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Ghumarwin
घुमारवीं
Pehad
Ner Chowk
नेर चौक
Legends
Excellent 6088 (10.01%)
Good 19509 (32.08%)
Fair 15058 (24.76%)
Poor 20158 (33.15%)


RJIL
Ranital
रानीताल
Dadasiba
ददसिबा
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Pragpur
परागपुर
Nadaun
नादौन
Dulehar
दुलेहर
Thatha
थाथल
Kashmir
काश्मीर
Barsar
बड़सर
Bijhri
बिझी
Shahtalai
शाहतलाई
Hamirpur
हमीरपुर
Sujanpur Tira
सुजानपुर टीरा
Jaisinghpur
जयसिंहपुर
Sandhol
संधोल
Lad Bharol
लाड भरोल
Sarkaghat
सरकाघाट
Bhoranj
भोरंज
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Ghumarwin
घुमारवीं
Pehad
Ner Chowk
नेर चौक
Legends
Excellent 14566 (22.80%)
Good 27332 (42.79%)
Fair 19803 (31.00%)
Poor 2174 (3.40%)



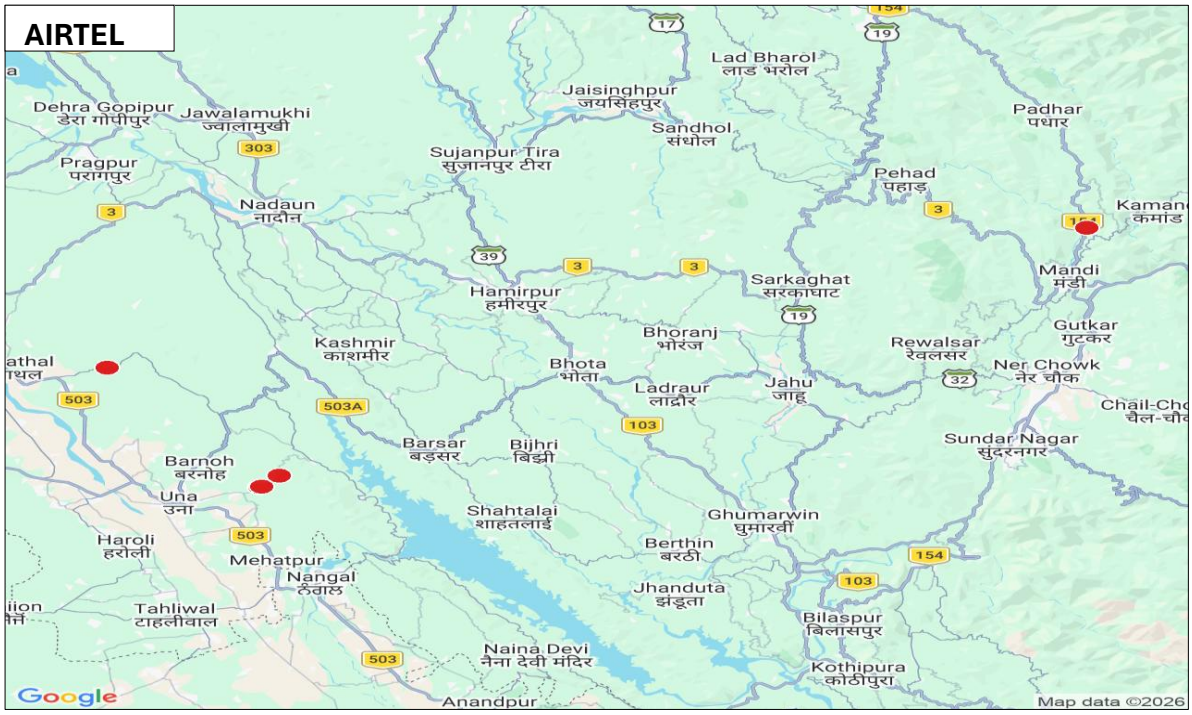
Note: Plot is based on Dynamic Drive Test results only.

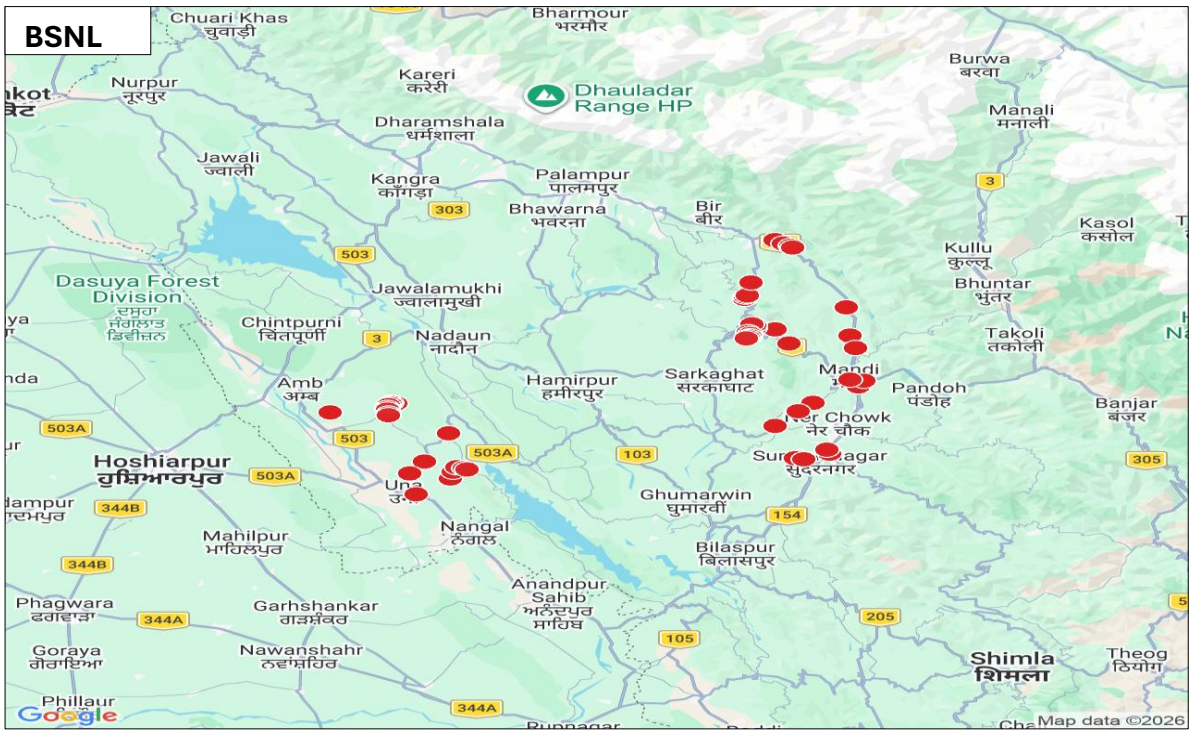
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	570	538	565	560
Number of dropped Calls	5	49	3	13

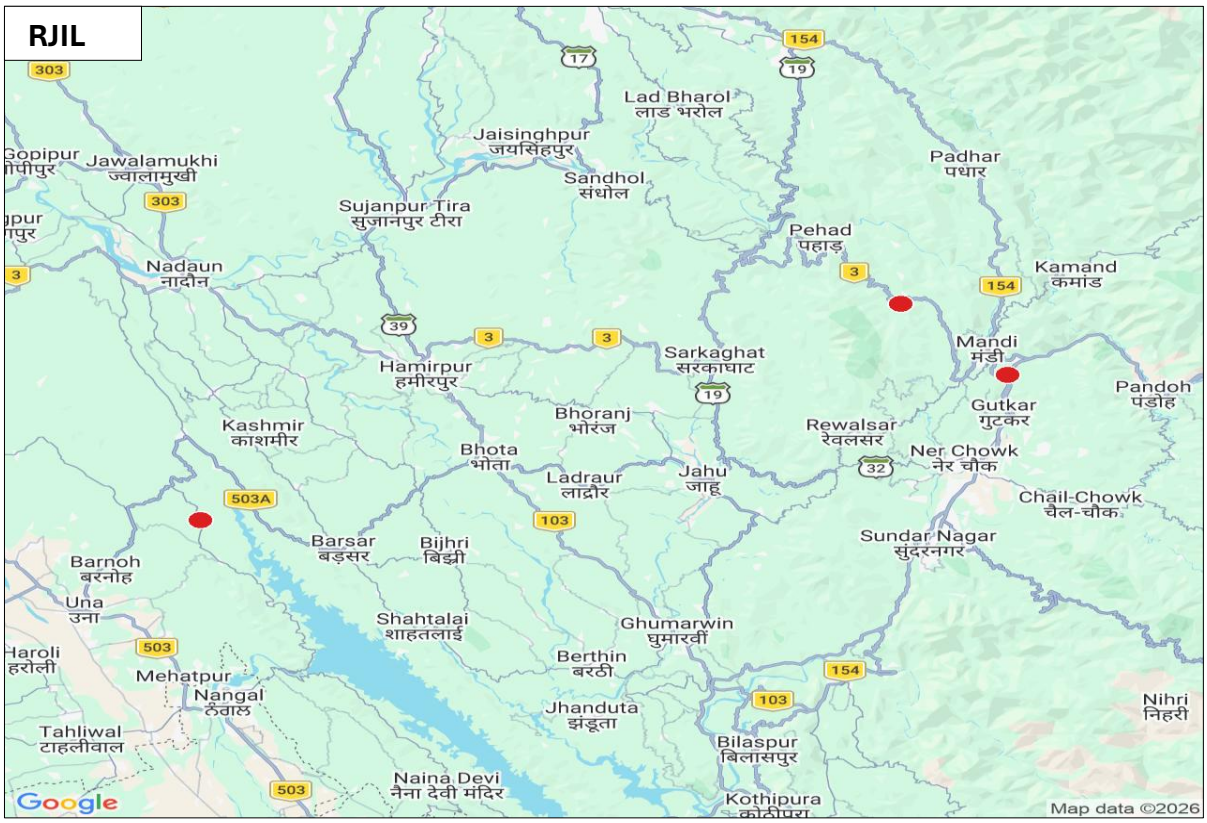
Locations of Dropped Calls

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.

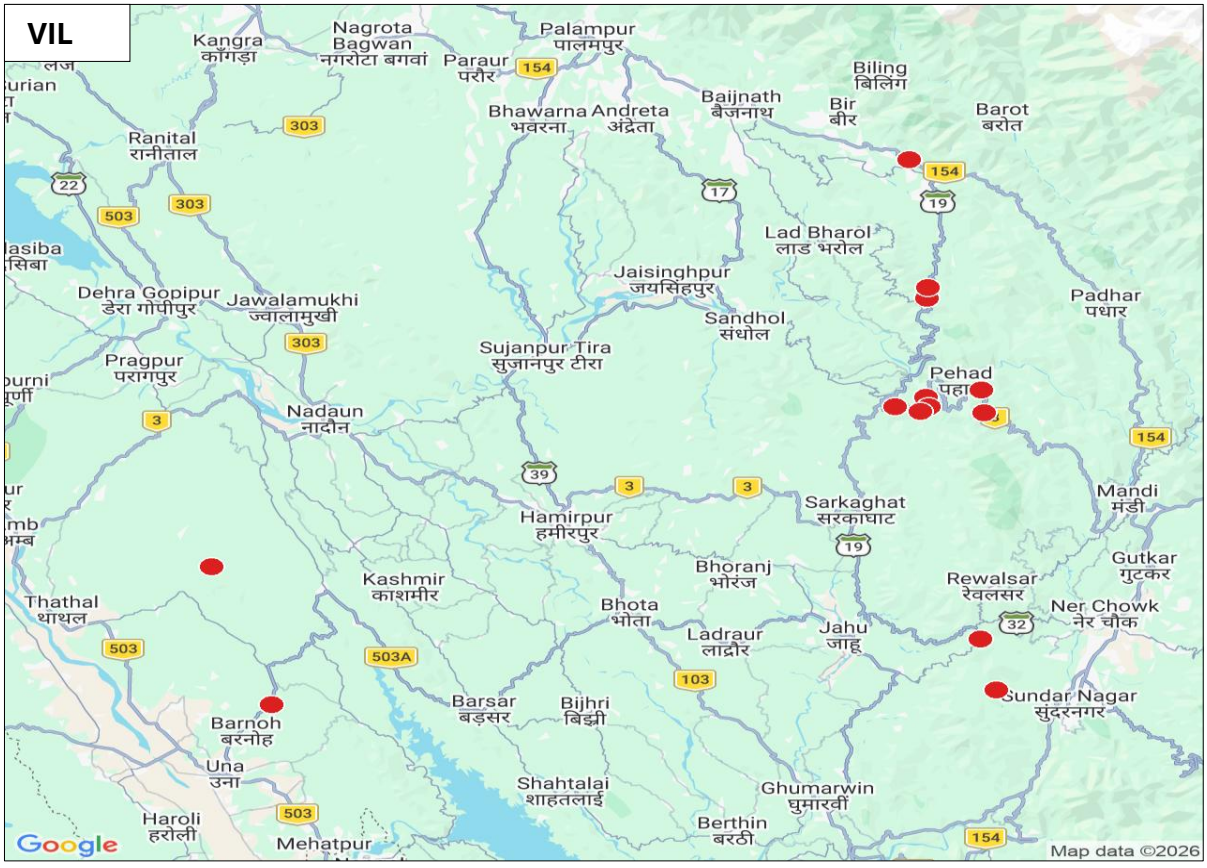




RJIL


Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Sandhol
संधोल
Padhar
पधार
Sujanpur Tira
सुजानपुर टीरा
Pehad
पहाड़
Kamand
कमांड
Nadaun
नादौन
Mandi
मंडी
Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Pandoh
पंडोह
Gutkar
गुटकर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Kashmir
काश्मीर
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Chail-Chowk
चैल-चौक
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Berthin
बरठी
Mehatpur
Nangal
ठंगाल
Jhanduta
झंडूता
Nihri
निहरी
Tahliwal
टाहलीवाल
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Google
Map data ©2026

VIL

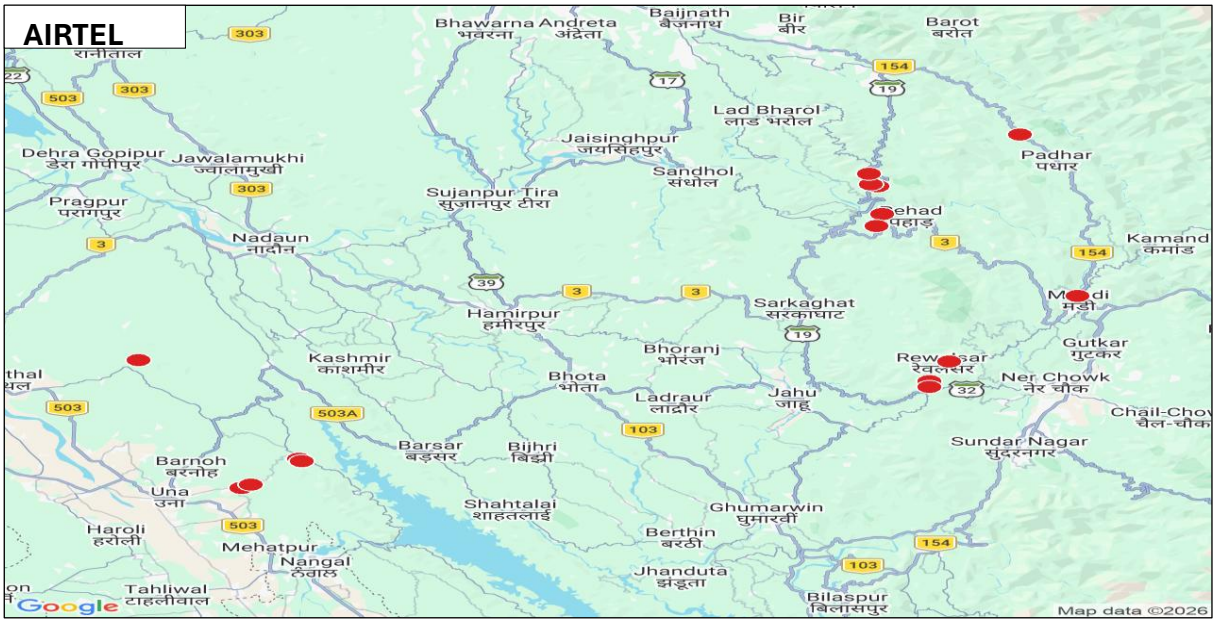

Kangra
काँगड़ा
Nagrota
Bagwan
नगरोटा बगवां
Palampur
पालमपुर
Paraur
परौर
Biling
बिलिंग
Baijnath
बैजनाथ
Bir
बीर
Barot
बरोत
Bhawarna
भवरना
Andreta
अंद्रेता
Ranital
रानीताल
Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Sandhol
संधोल
Padhar
पधार
Pragpur
परागपुर
Sujanpur Tira
सुजानपुर टीरा
Pehad
Nadaun
नादौन
Mandi
मंडी
Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Gutkar
गुटकर
Bhoranj
भोरंज
Kashmir
काश्मीर
Rewalsar
रेवलसर
Thathal
थाथल
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Google
Map data ©2026

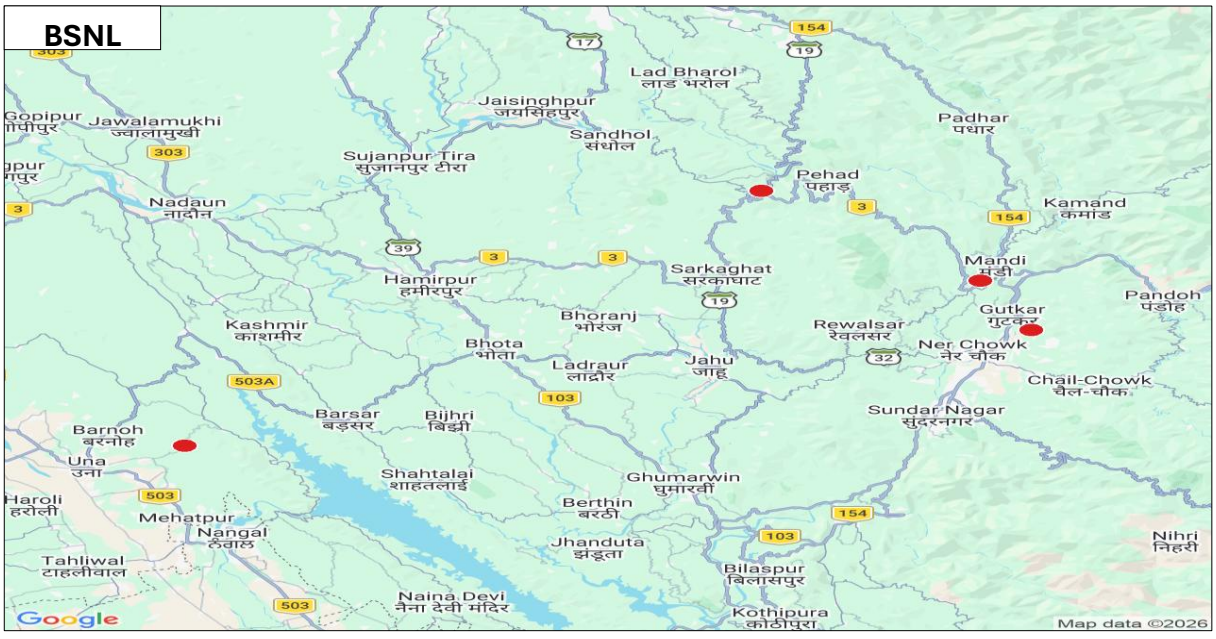
c) Call Silence Instance - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	536	433	539	497
Number of silences calls for >3 Sec	14	4	9	12
Total number of silence instances for >3 Sec	15	4	9	12

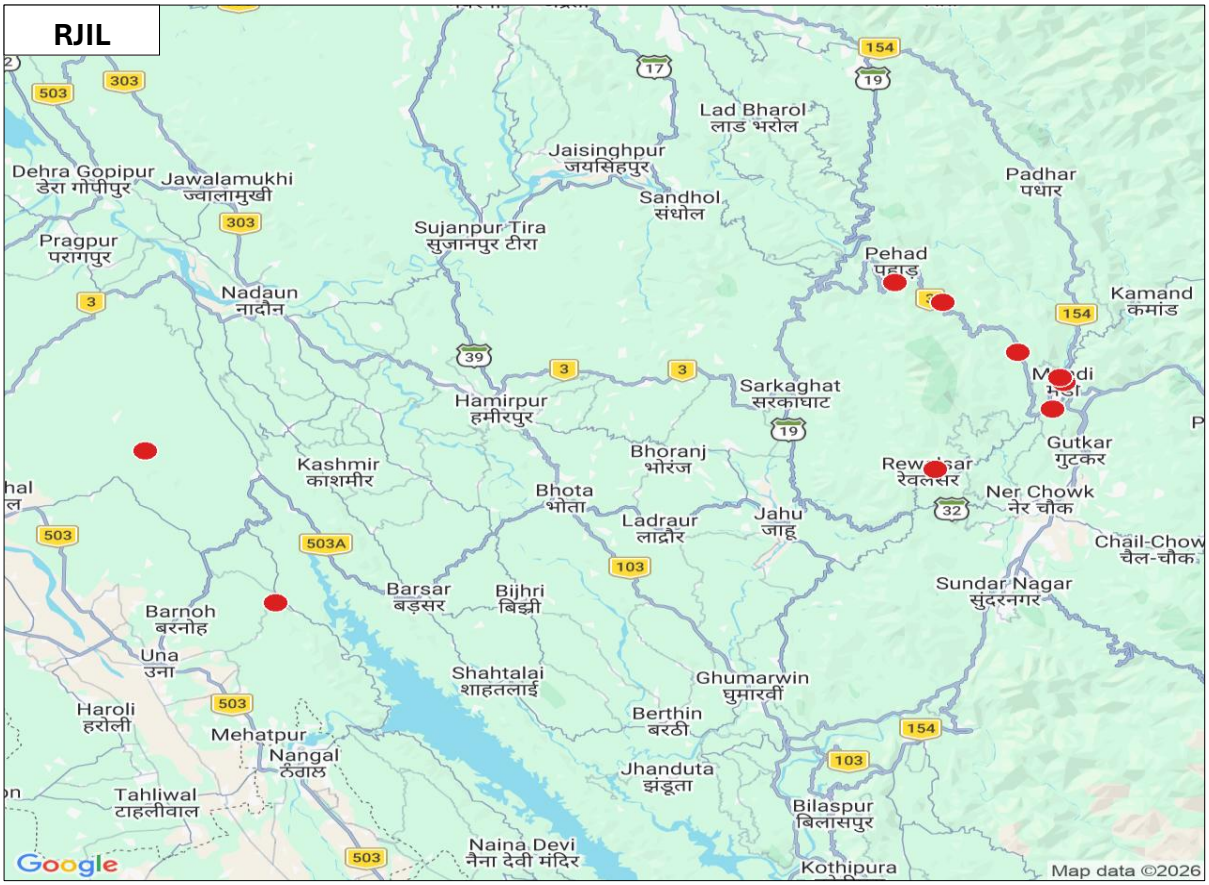
Locations of Call Silence Instance

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

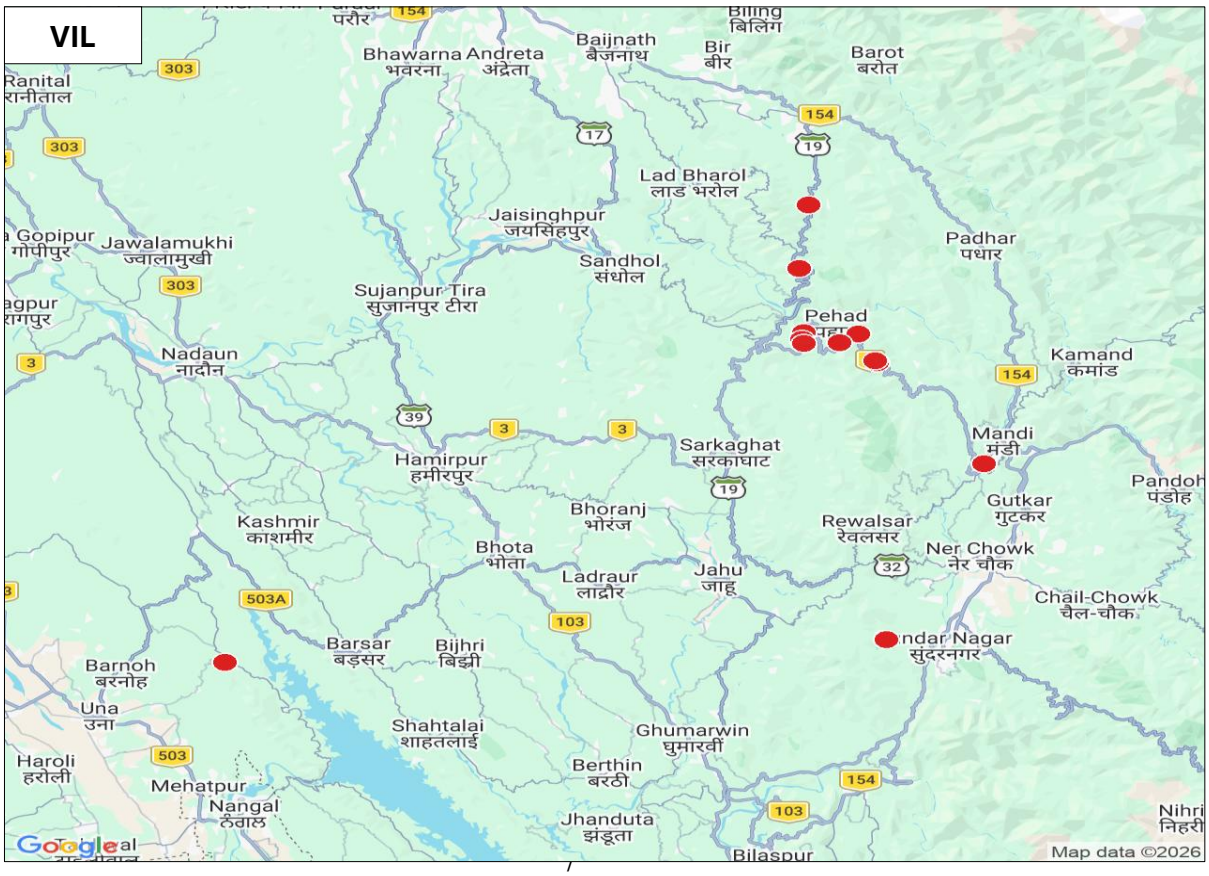




RJIL


Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Sandhol
संधोल
Padhar
पधार
Pragpur
परागपुर
Sujanpur Tira
सुजानपुर टीरा
Pehad
पहाड़
Nadaun
नादौन
Kamand
कमांड
Sarkaghat
सरकाघाट
Hamirpur
हमीरपुर
Gutkar
गुटकर
Bhoranj
भोरंज
Kashmir
काश्मीर
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Nangal
ठेवाल
Jhanduta
झंडूता
Tahliwal
टाहलीवाल
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
Google
Map data ©2026

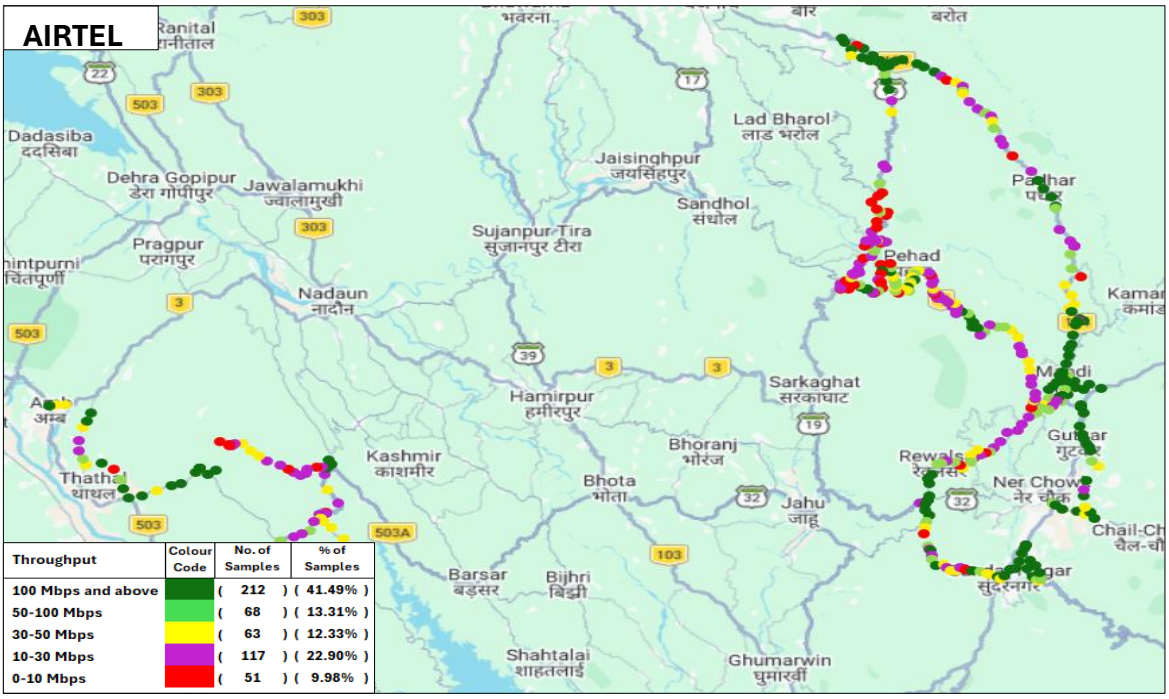
VIL

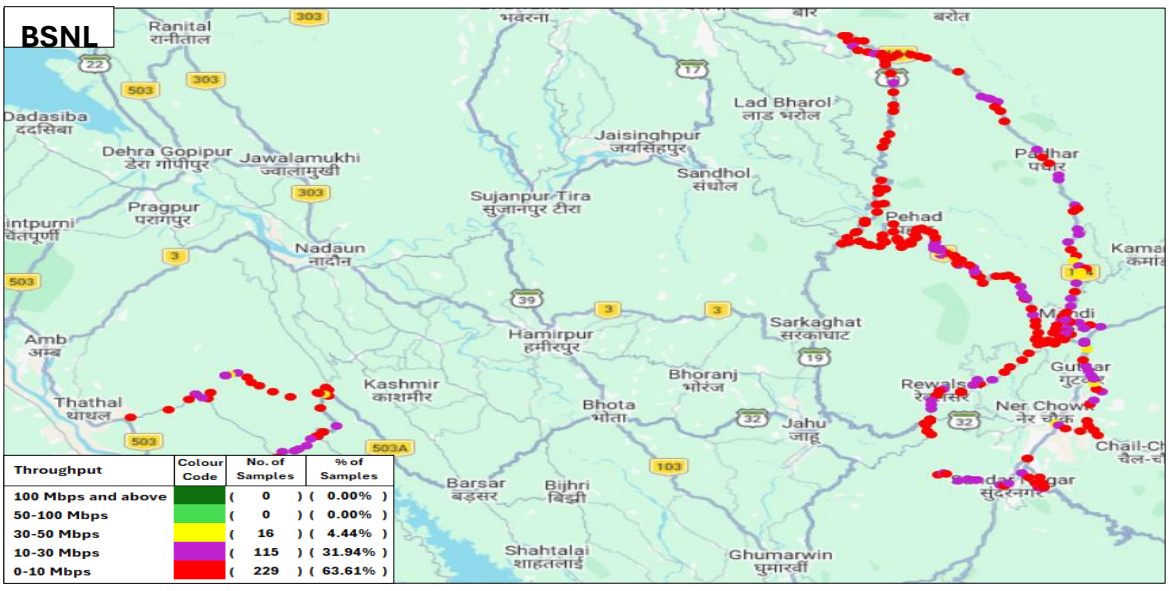

Bhawarna
भवरना
Andreta
अंद्रेता
Baijnath
बैजनाथ
Bir
बीर
Barot
बरोत
Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Padhar
पधार
Sandhol
संधोल
Sujanpur Tira
सुजानपुर टीरा
Pehad
Nadaun
नादौन
Kamand
कमांड
Sarkaghat
सरकाघाट
Hamirpur
हमीरपुर
Mandi
मंडी
Gutkar
गुटकर
Bhoranj
भोरंज
Kashmir
काश्मीर
Rewalsar
रेवलसर
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Nangal
ठेवाल
Jhanduta
झंडूता
Google
Map data ©2026

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:-

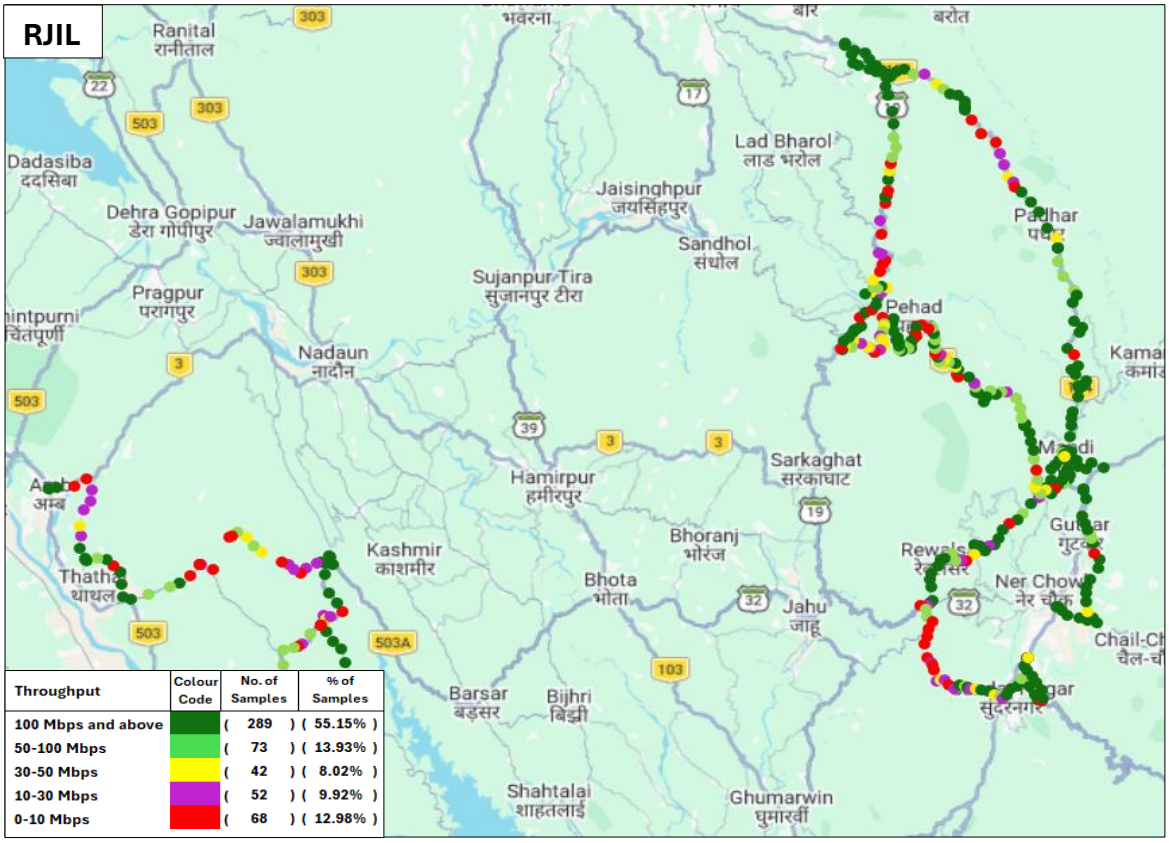
(i) Download Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	23.00	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	122.28	9.49	171.68	12.18

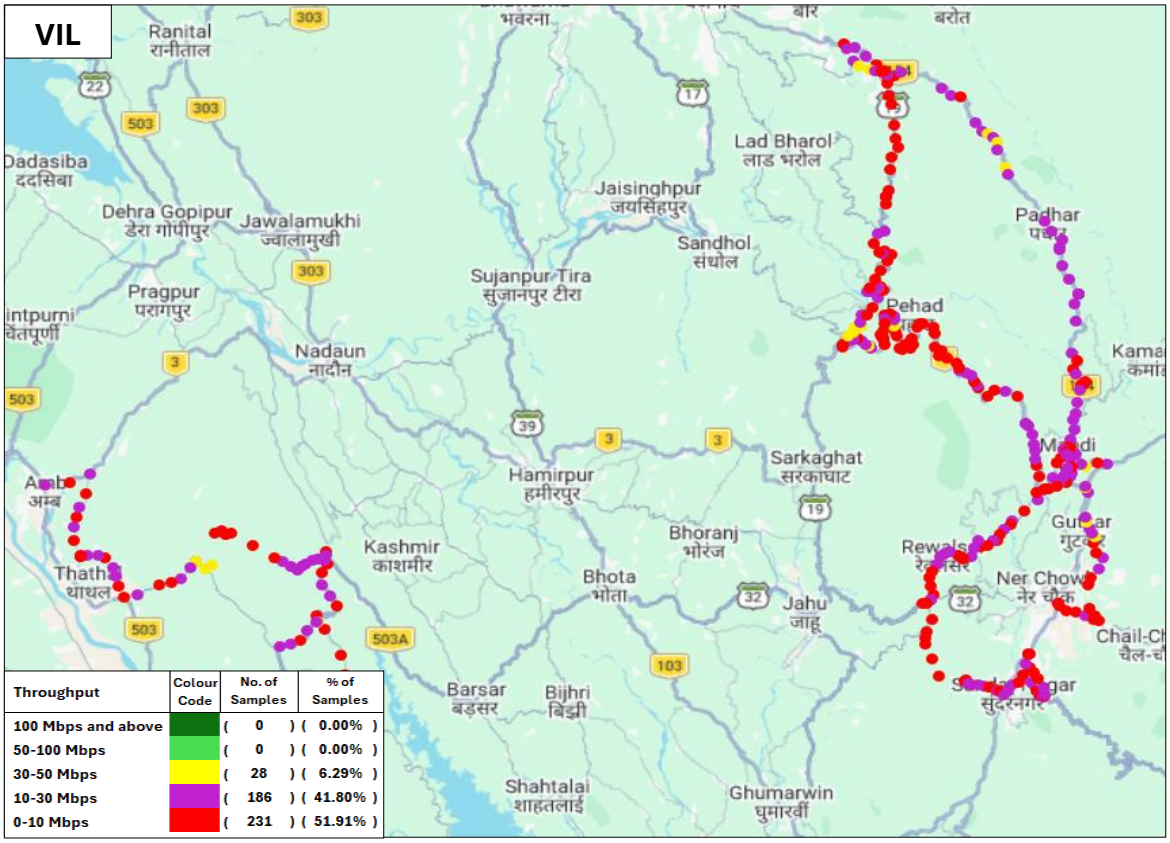




RJIL



VIL

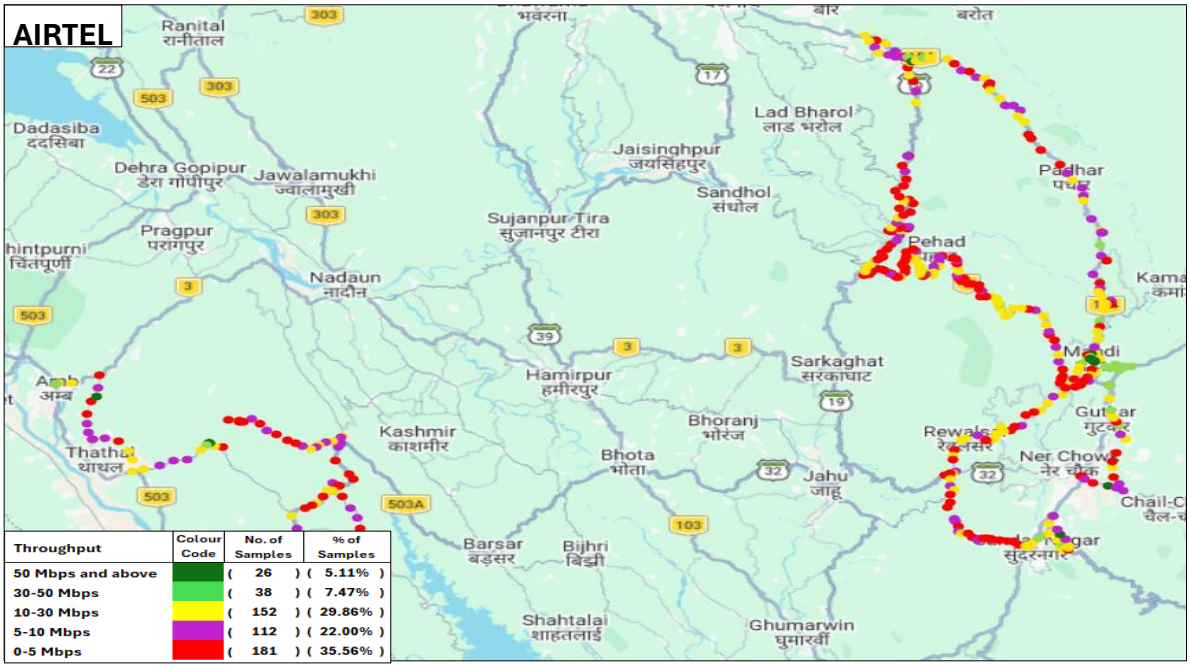


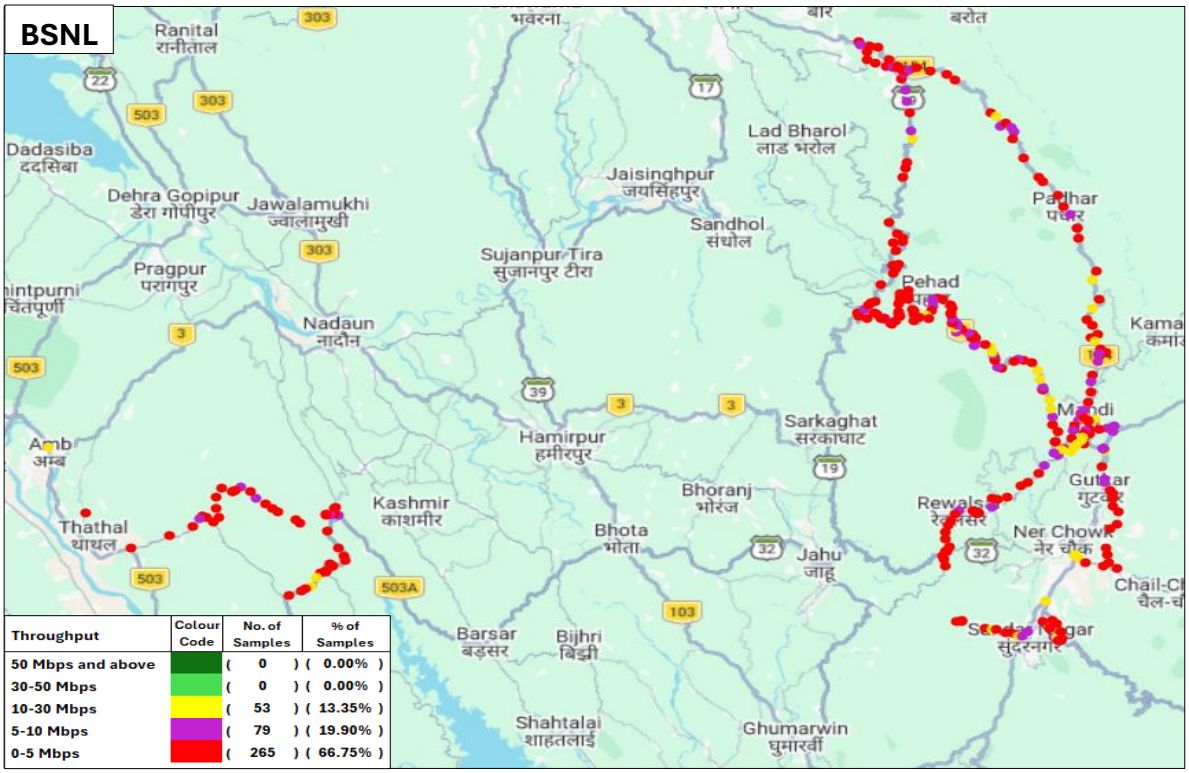
Note: Plot is based on Dynamic Drive Test results only**.**

(ii) Upload Throughput

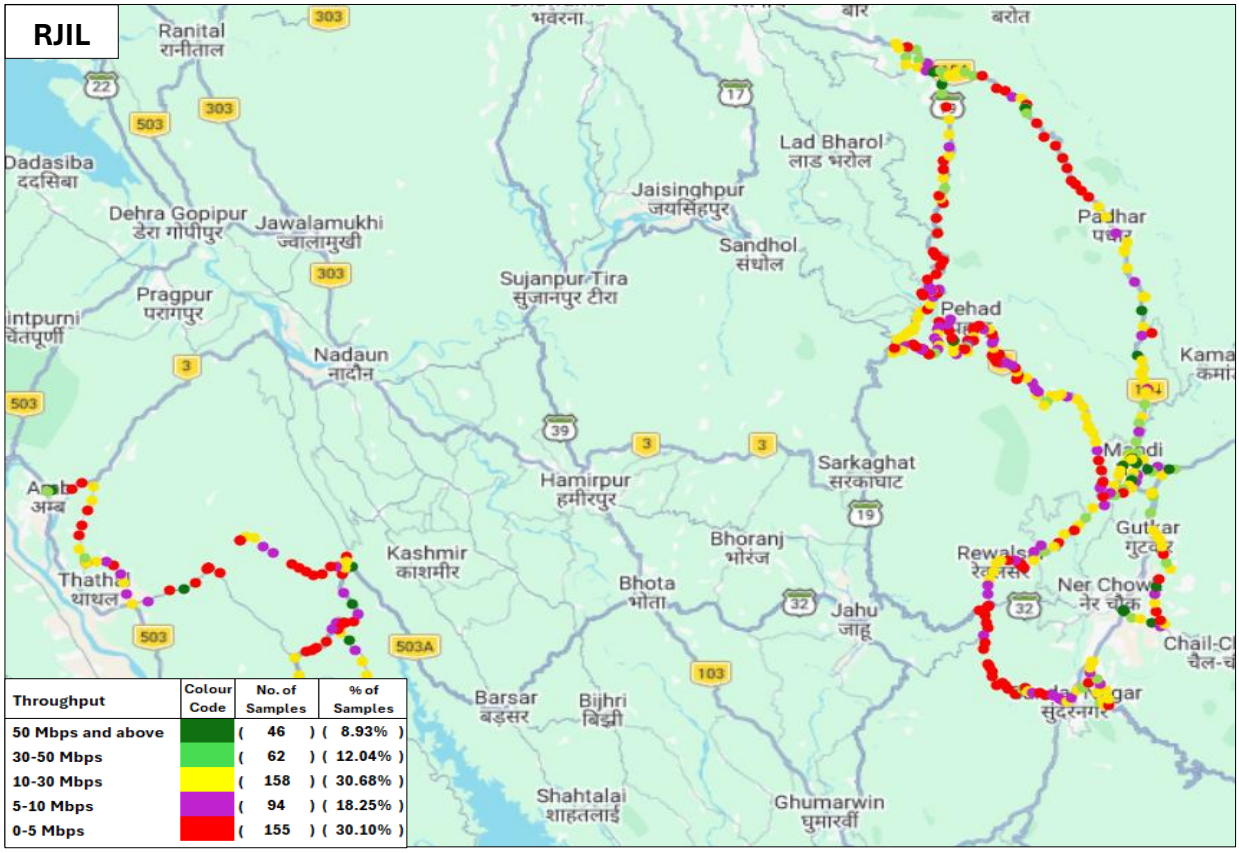
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Upload throughput declared by TSP	(Mbits/s)	10.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	13.44	4.57	18.01	5.45

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



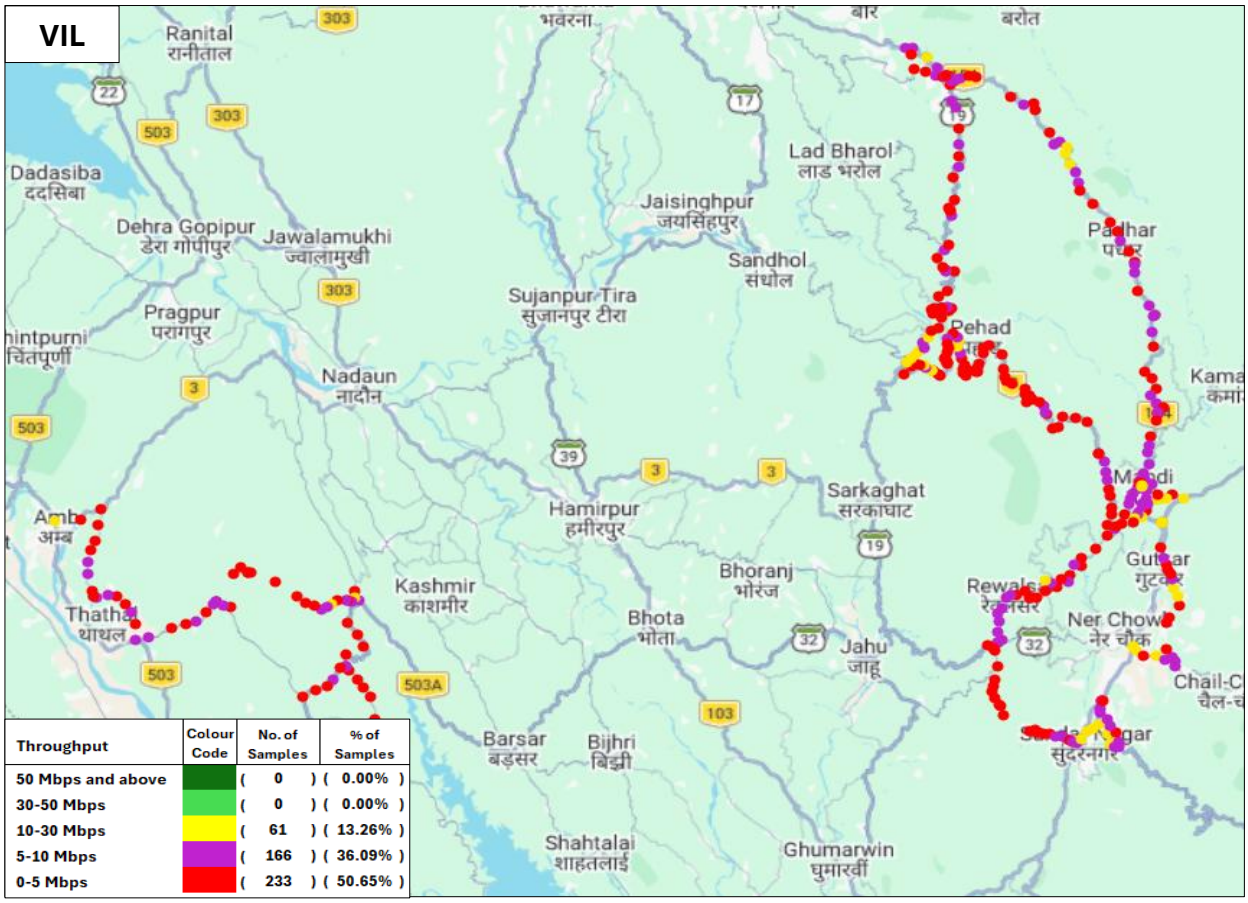


RJIL



Throughput	Colour Code	No. of Samples	% of Samples
50 Mbps and above		(46)	(8.93%)
30-50 Mbps		(62)	(12.04%)
10-30 Mbps		(158)	(30.68%)
5-10 Mbps		(94)	(18.25%)
0-5 Mbps		(155)	(30.10%)

VIL



Throughput	Colour Code	No. of Samples	% of Samples
50 Mbps and above		(0)	(0.00%)
30-50 Mbps		(0)	(0.00%)
10-30 Mbps		(61)	(13.26%)
5-10 Mbps		(166)	(36.09%)
0-5 Mbps		(233)	(50.65%)

Annexure – II

2. Una to Mandi Highway

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	13127	12473	12972	12923
Number of Samples having poor signal strength	387	3173	344	3206
Number of Samples having Limited Service (No Coverage)	12	170	0	119

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.

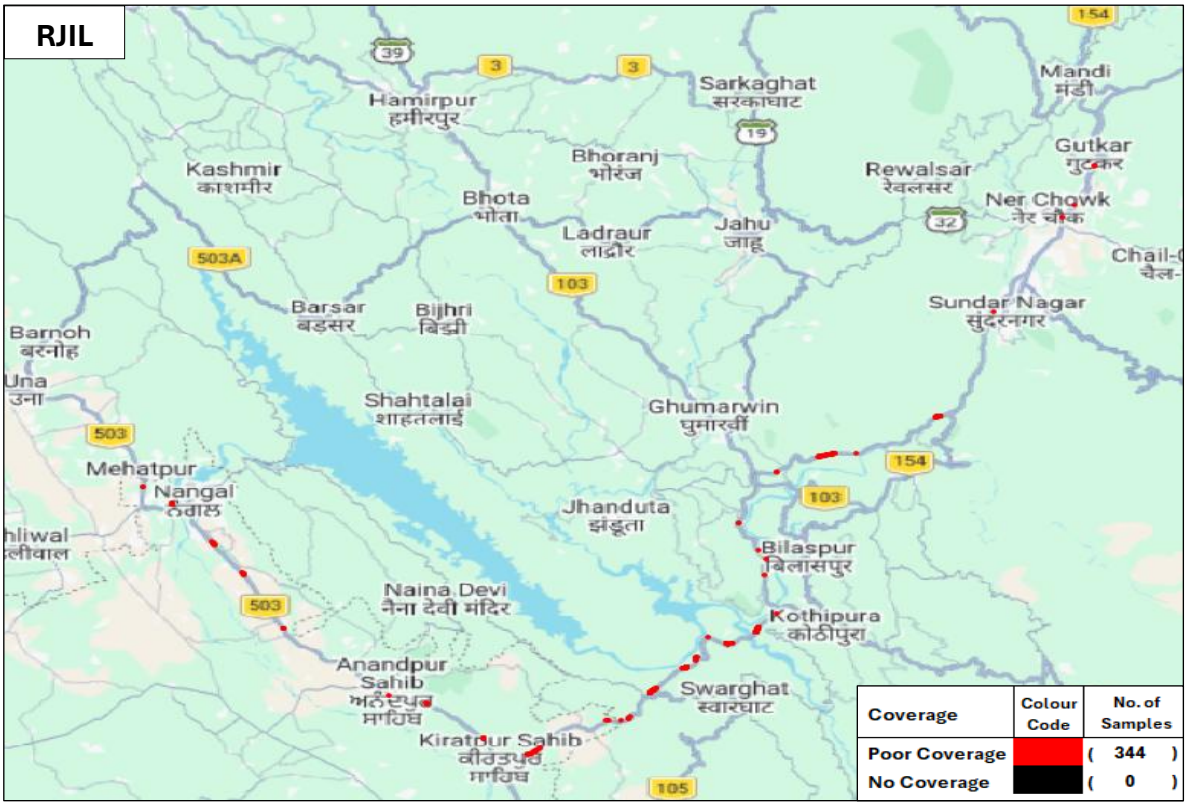
Coverage Gap observed

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





RJIL


Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Gutkar
गुटकर
Kashmir
काश्मीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Ner Chowk
नेर चौक
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिज्री
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
ठवाल
Jhanduta
झंडूता
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
आनंदपुर
साहिब
Swarghat
स्वारघाट
Kiratpur Sahib
कीरतपुर
साहिब
Coverage
Colour Code
No. of Samples
Poor Coverage
(344)
No Coverage
(0)

VIL

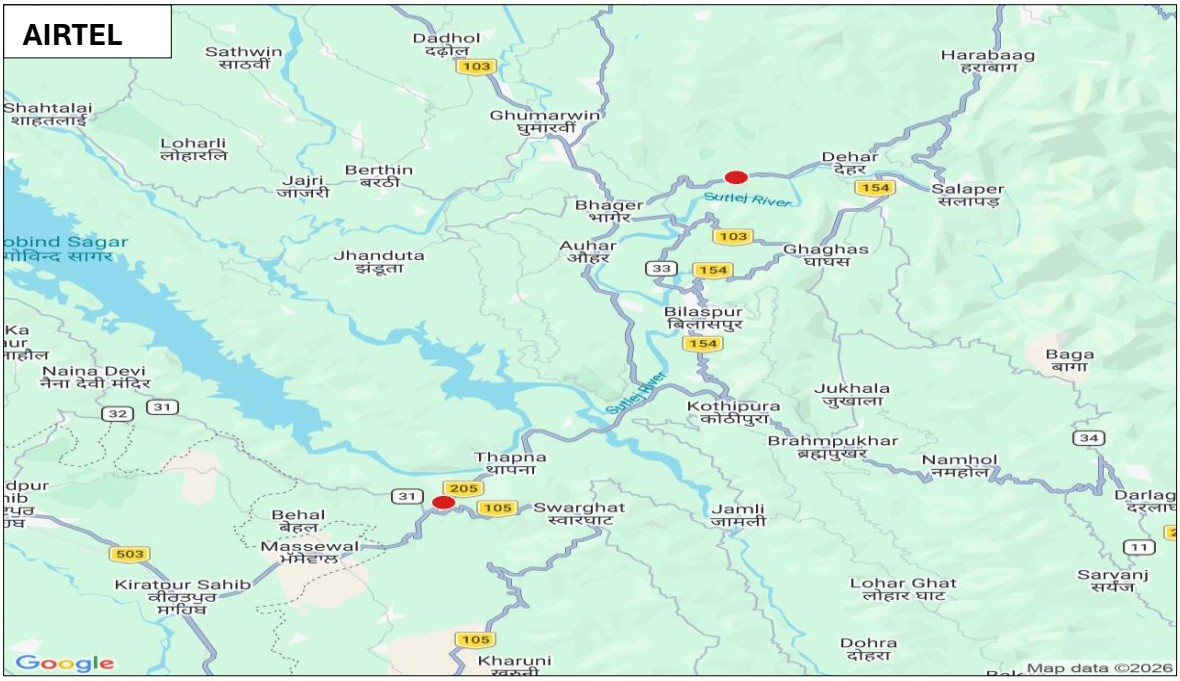

Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Gutkar
गुटकर
Kashmir
काश्मीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Ner Chowk
नेर चौक
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिज्री
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
ठवाल
Jhanduta
झंडूता
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
आनंदपुर
साहिब
Swarghat
स्वारघाट
Kiratpur Sahib
कीरतपुर
साहिब
Coverage
Colour Code
No. of Samples
Poor Coverage
(3206)
No Coverage
(119)

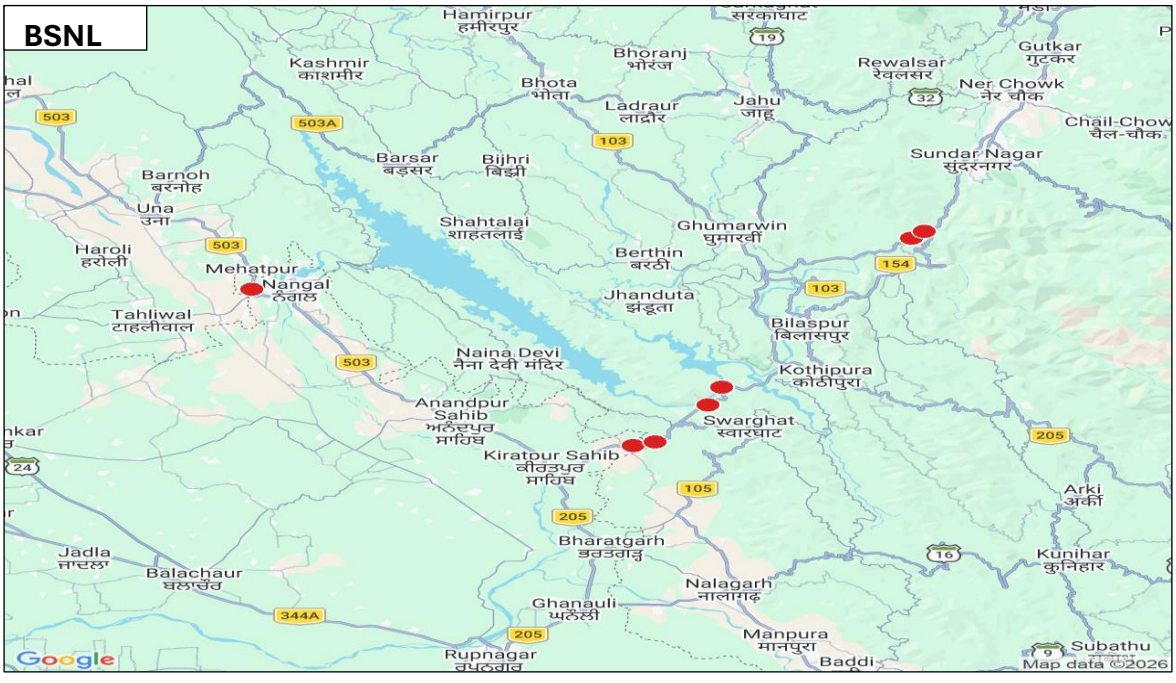
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	67	63	65	65
Number of dropped Calls	2	7	2	6

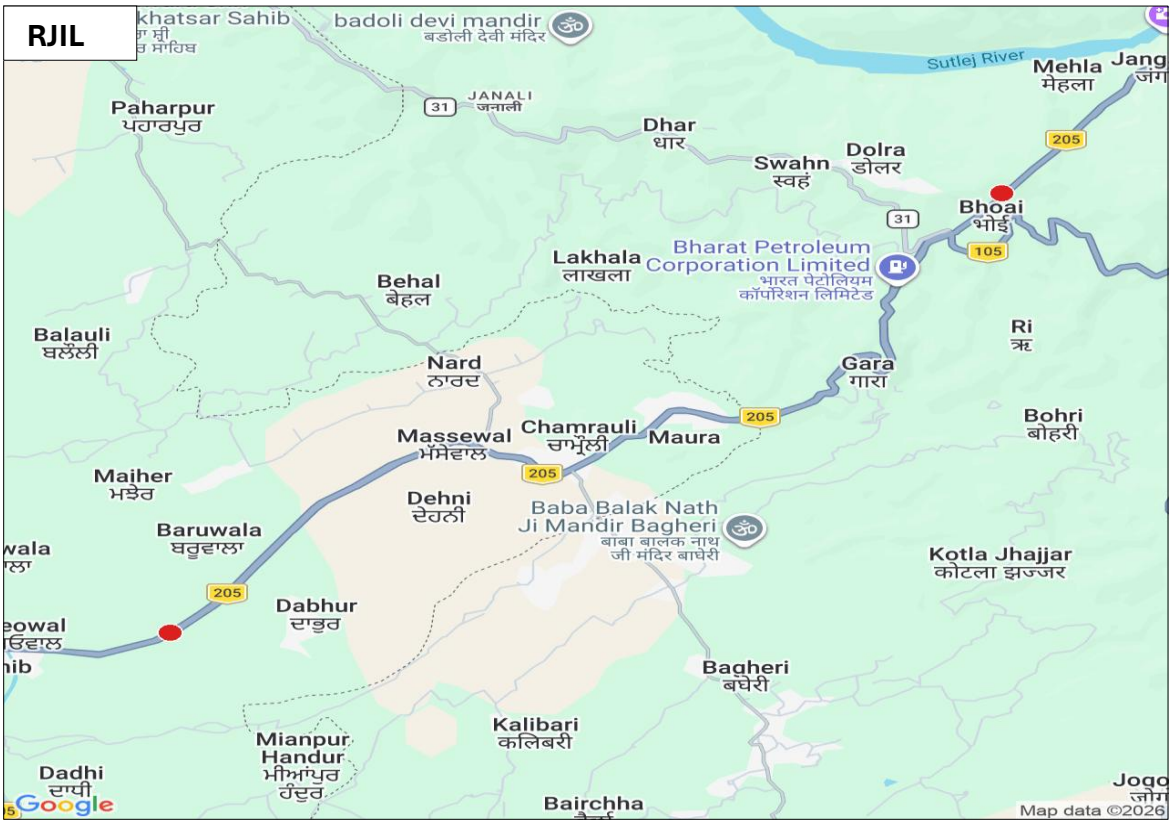
Locations of Dropped Calls

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.

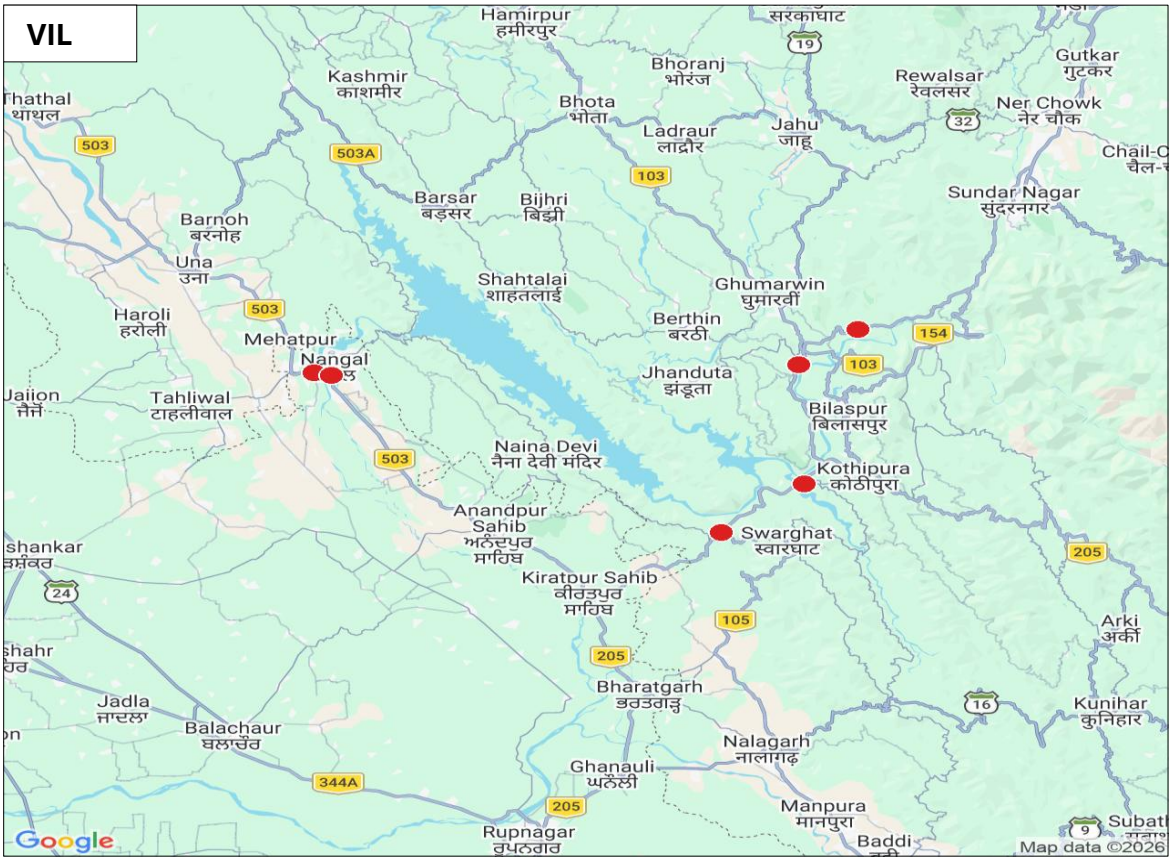




RJIL


badoli devi mandir
बडोली देवी मंदिर
Sutlej River
Mehla
मेहला
Paharpur
पहारपुर
JANALI
जनाली
Dhar
धार
Swahn
स्वहं
Dolra
डोलर
Bhoai
भोई
Bharat Petroleum
Corporation Limited
भारत पेटोलियम
कॉर्पोरेशन लिमिटेड
Lakhala
लाखला
Behal
बेहल
Balauli
बलौली
Nard
नारद
Gara
गारा
Massewal
मस्सेवाल
Chamrauli
चाम्रौली
Maura
Bohri
बोहरी
Maiher
मइेर
Dehni
देहनी
Baba Balak Nath
Ji Mandir Bagheri
बाबा बालक नाथ
जी मंदिर बाघेरी
Baruwala
बरुवाला
Kotla Jhajjar
कोटला झज्जर
Dabhur
दाभुर
Bagheri
बघेरी
Kalibari
कलिबरी
Mianpur
Handur
मीआंपुर
हंदुर
Dadhi
दाधी
Bairchha
Google
Map data ©2026

VIL

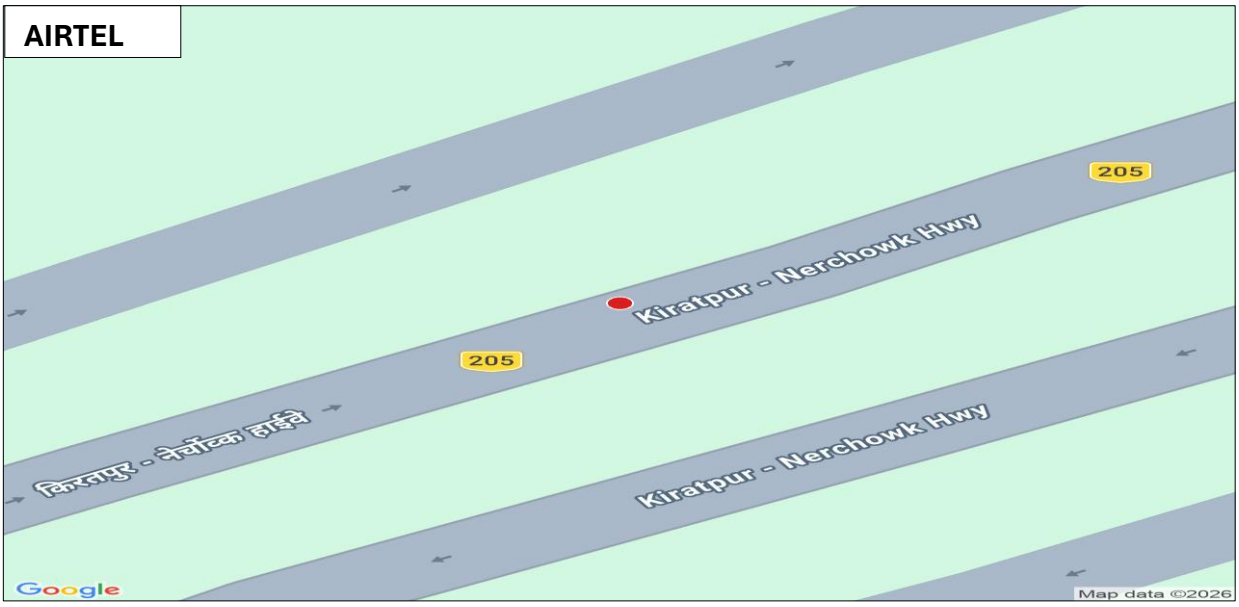

Hamirpur
हमीरपुर
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Gutkar
गुटकर
Ner Chowk
नेर चौक
Thathal
थाथल
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Nangal
Jhanduta
झंडूता
Tahliwal
टाहलीवाल
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
अनंदपुर
साहिब
Swarghat
स्वारघाट
Kiratpur Sahib
कीरतपुर
साहिब
Arki
अर्की
Jadla
जादला
Balachaur
बलाचौर
Bharatgarh
भरतगढ़
Kunihar
कुनिहार
Nalagarh
नालागढ़
Ghanauli
घनौली
Manpura
मानपुरा
Rupnagar
रूपनगर
Baddi
Google
Map data ©2026

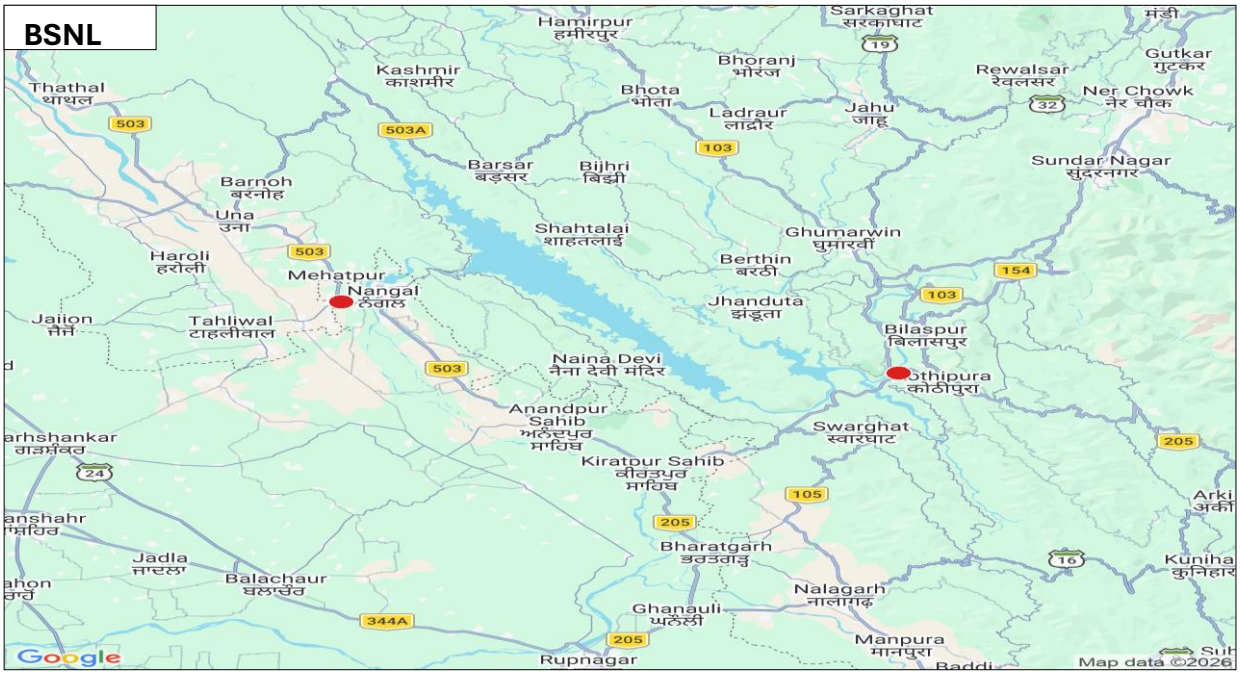
c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	66	61	65	64
Number of silences calls for >3 Sec	1	2	2	2
Total number of silence instances for >3 Sec	1	2	4	2

Locations of Call Silence Instance

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





RJIL


Toll Tax barrier-
Himachal Entry Barrier
टोल टैक्स बैरियर-
हिमाचल एंट्री बैरियर
GHS Gara Moura
जीएचएस गर मोरा
Factory Road
फैक्ट्री रोड
205
Google
Map data ©2026

VIL


Sathwin
साठवीं
Dadhol
दढ़ोल
103
Govind
Sagar Jheel
गोविंद
सागर झील
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Loharli
लोहारलि
Berthin
बरठी
Jajri
जाजरी
Mehatpur
Bhager
भागेर
Nangal
Gobind Sagar
गोविन्द सागर
Jhanduta
झंडूता
Auhar
औहर
33
31
503
Guru-Ka
-Lahaur
गुरु-का लाहौल
Daroli
डरोली
Sutlej River
Naina Devi
नैना देवी मंदिर
32
Surewal
सुरेवाल
Bhalan
भलां
Dher
ढेर
Thapna
थापना
Kahanpur
कहनपुर
55
Anandpur
Sahib
आनंदपुर
साहिब
205
105
Swarghat
स्वारघाट
Behal
बेहल
Massewal
मस्सेवाल
Dumewal
दुमेवाल
Kiratpur Sahib
कीरतपुर
साहिब
Nurpur Bedi
नूरपुर
बेदी
Kharuni
खरुनी
Google
Map data ©2026

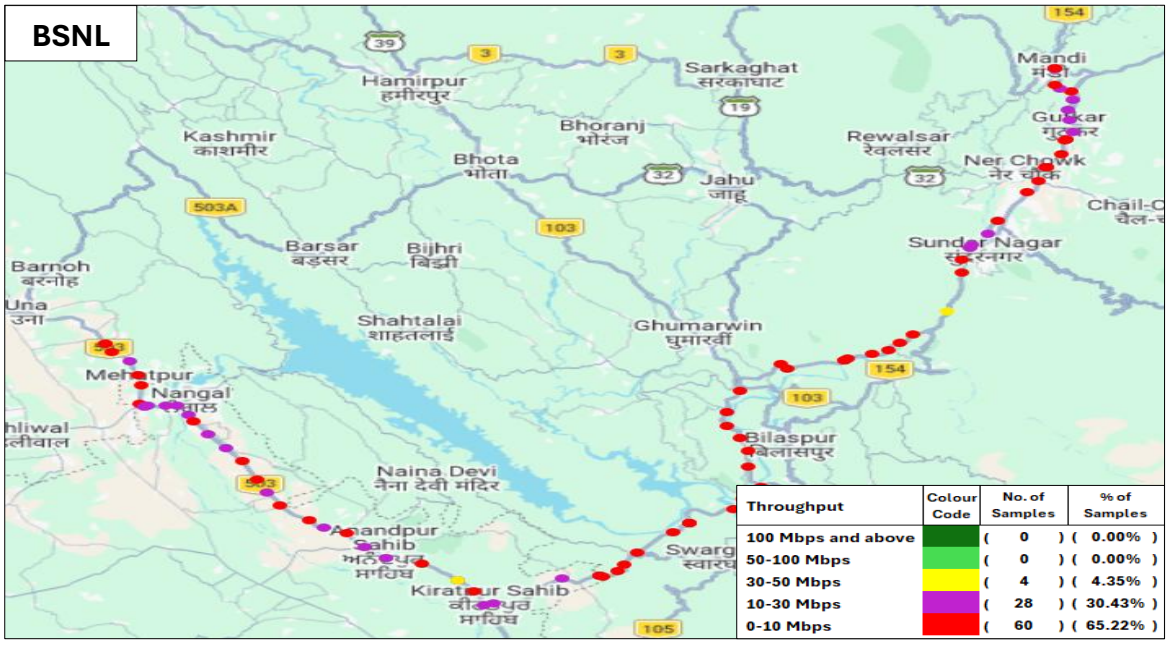
d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below:-

(i) Download Throughput

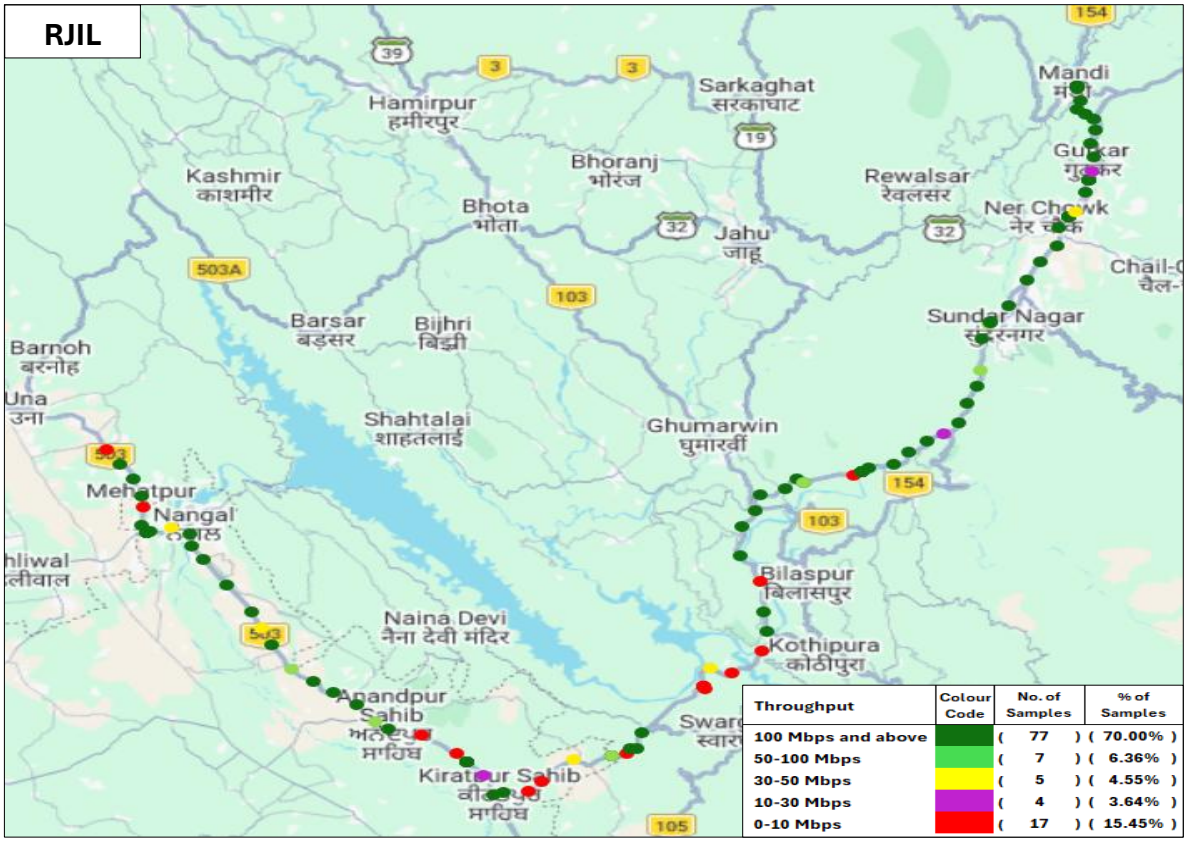
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	23.00	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	169.31	9.32	193.46	10.36

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

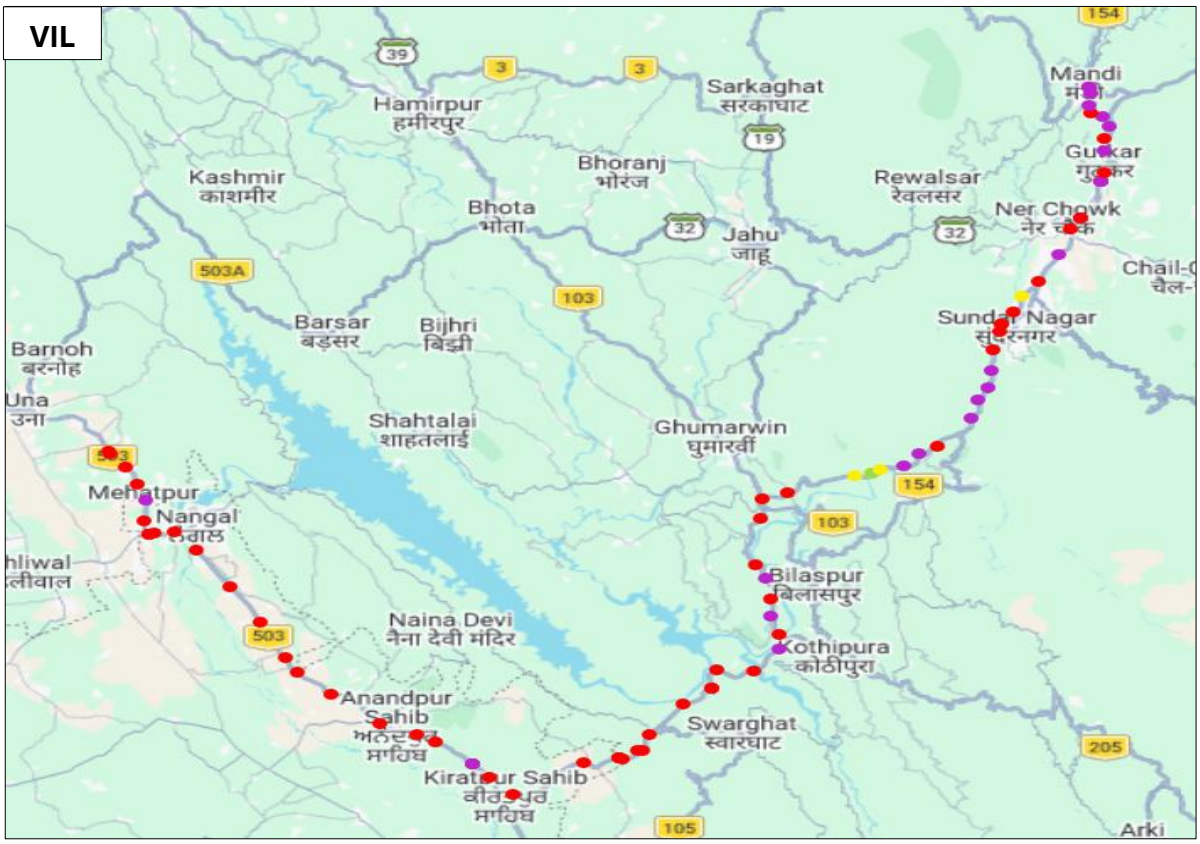




RJIL


Hamirpur
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Sarkaghat
सरकाघाट
Mandi
मंडी
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bhota
भोता
Jahu
जाहू
Ner Chowk
नेर चौक
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
Kiratpur Sahib
Throughput
Colour Code
No. of Samples
% of Samples
100 Mbps and above (77) (70.00%)
50-100 Mbps (7) (6.36%)
30-50 Mbps (5) (4.55%)
10-30 Mbps (4) (3.64%)
0-10 Mbps (17) (15.45%)

VIL


Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bhota
भोता
Jahu
जाहू
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नेर चौक
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बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
Swarghat
स्वारघाट
Kiratpur Sahib
Arki

(ii) Upload Throughput

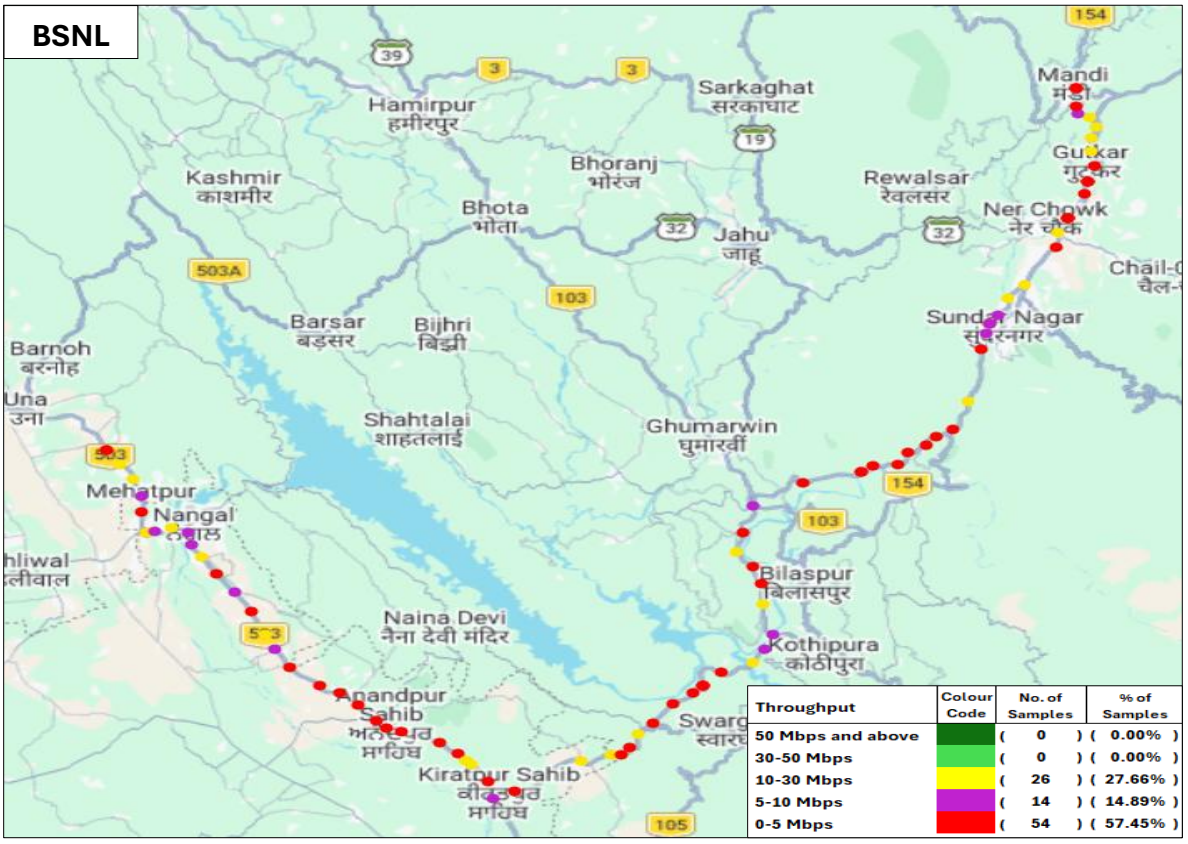
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Upload throughput declared by TSP	(Mbits/s)	10.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	15.54	6.29	21.43	5.30

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

AIRTEL



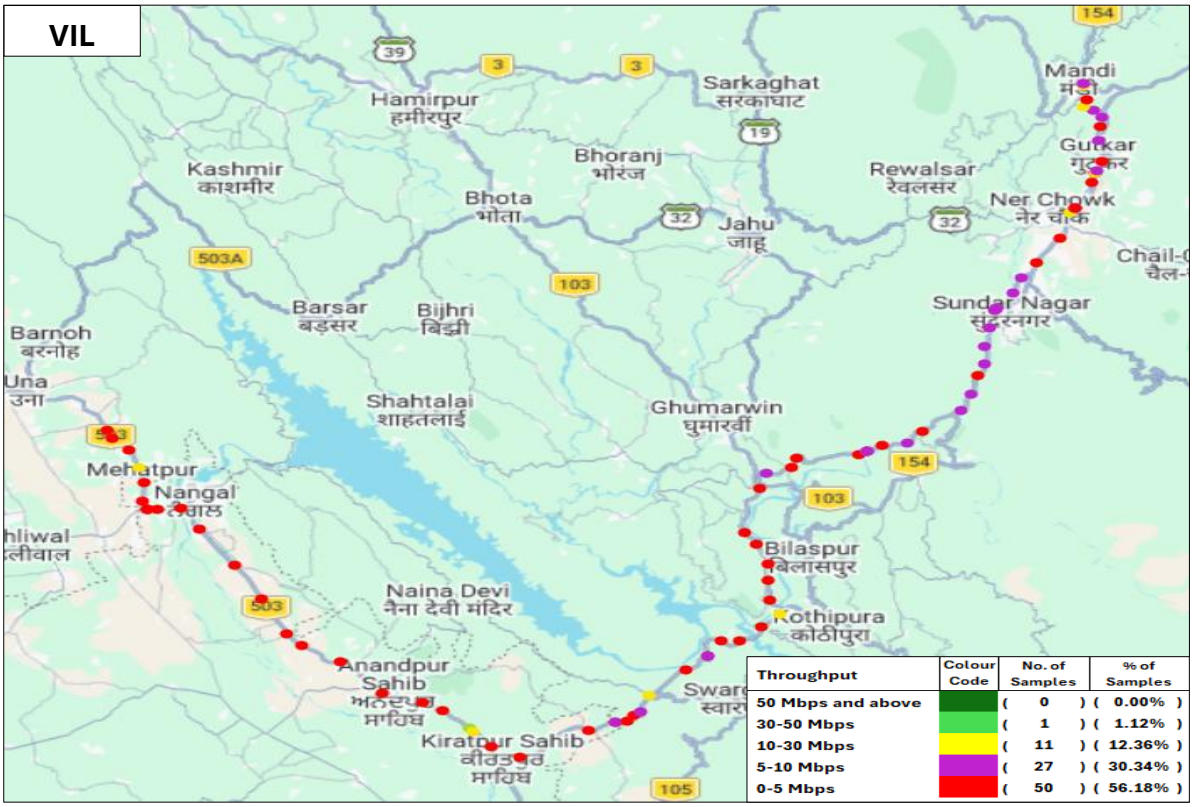
BSNL



RJIL



VIL



Throughput	Colour Code	No. of Samples	% of Samples
50 Mbps and above		(0)	(0.00%)
30-50 Mbps		(1)	(1.12%)
10-30 Mbps		(11)	(12.36%)
5-10 Mbps		(27)	(30.34%)
0-5 Mbps		(50)	(56.18%)

Annexure – III

3. Mandi to Una Highway:-

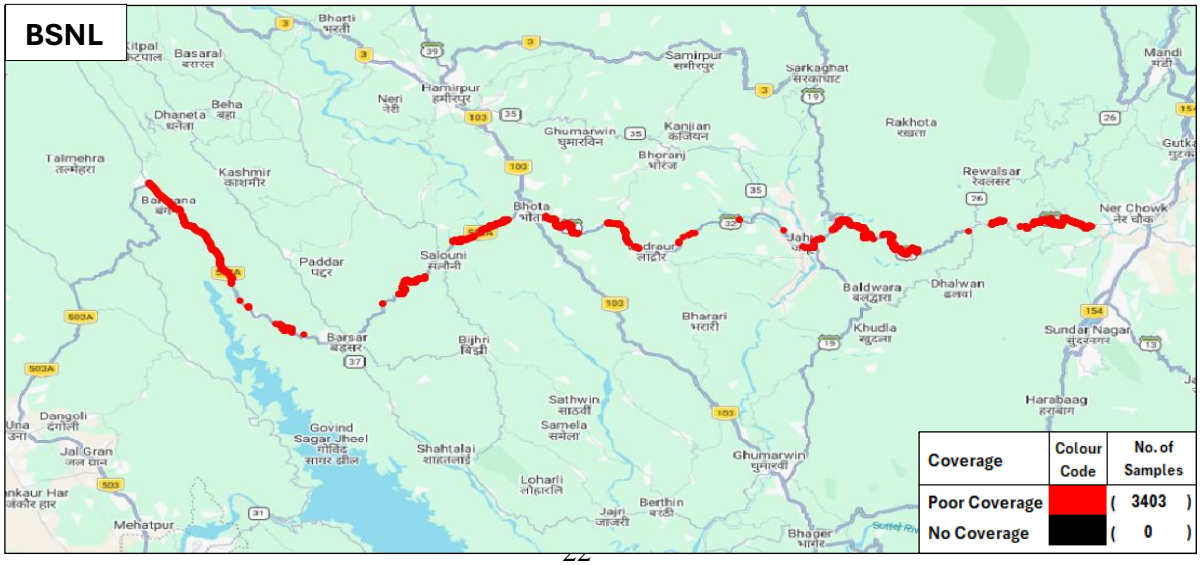
a) Coverage Gap – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below:-

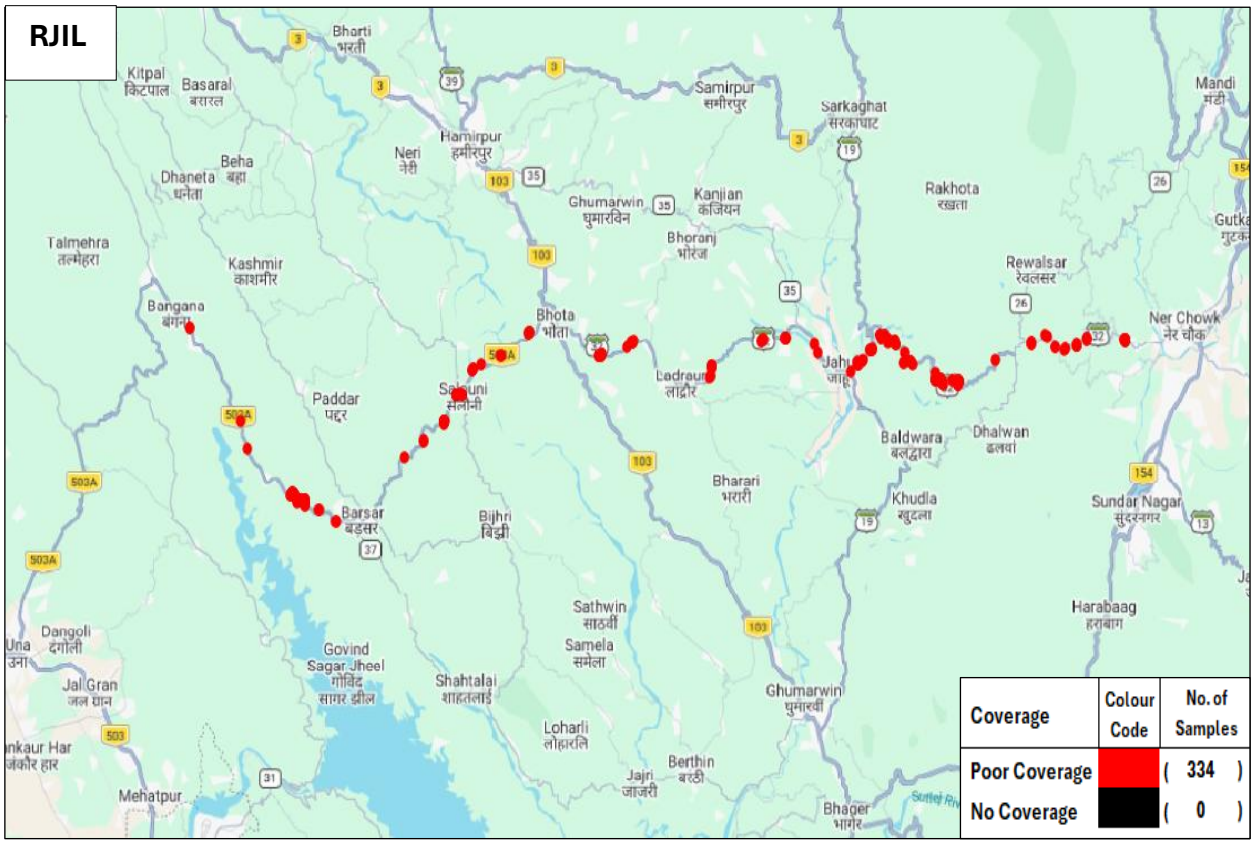
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	12455	12632	11892	12200
Number of Samples having poor signal strength	396	3403	334	2466
Number of Samples having Limited Service (No Coverage)	0	0	0	62

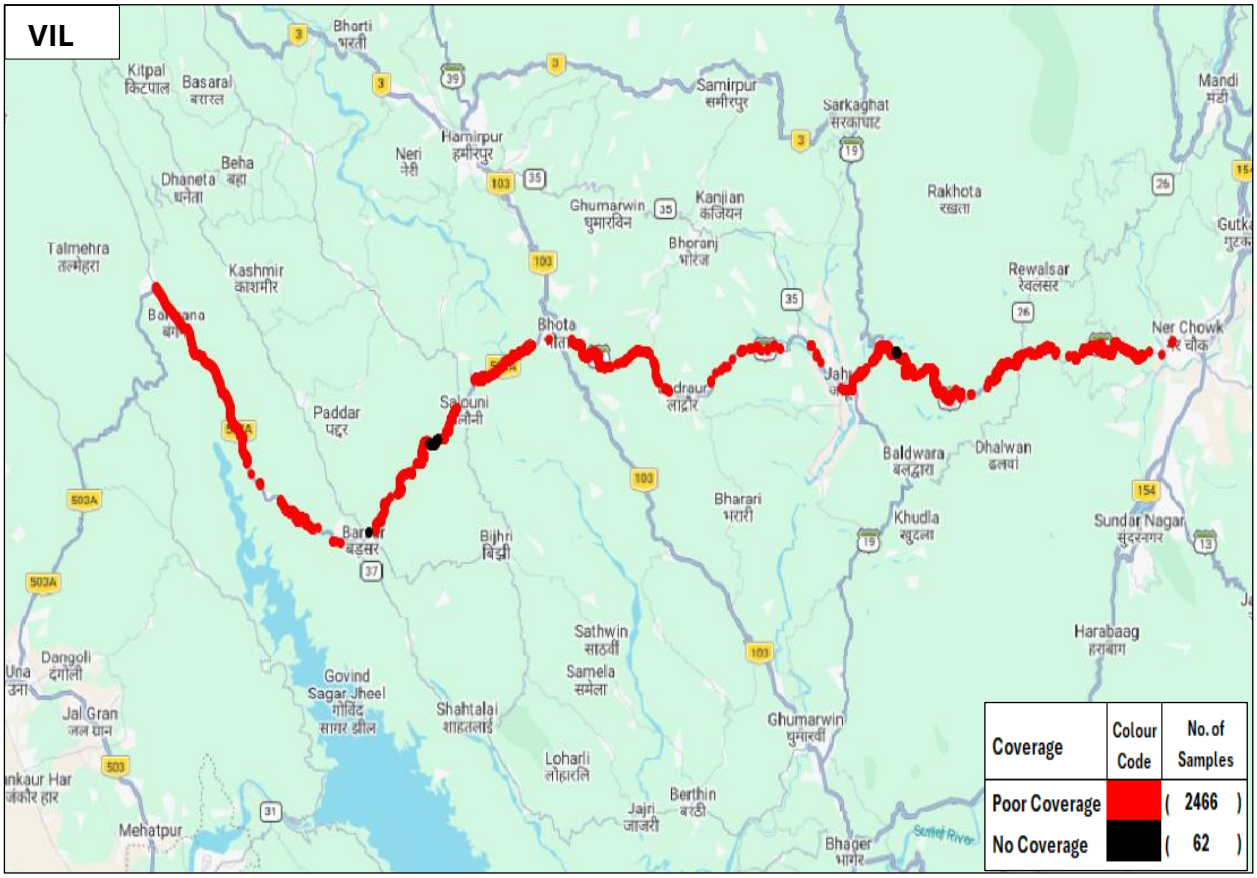
Note: Signal strength has been considered poor if it falls below −110 dBm for 5G & 4G, −90 dBm for 3G, and −85 dBm for 2G.

Coverage Gap observed






RJIL
Bharti
भरती
Kitpal
किटपाल
Basaral
बरारल
Samirpur
समीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Hamirpur
हमीरपुर
Neri
नेरी
Beha
बहा
Dhaneta
धनेता
Ghumarwin
घुमारविन
Kanjian
कंजियन
Rakhota
रखता
Talmehra
तल्मेहरा
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bangana
बंगना
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Paddar
पद्दर
Baldwara
बलद्वारा
Dhalwan
ढलवां
Barsar
बड़सर
Bijhri
बिझी
Bharari
भरारी
Khudla
खुदला
Sundar Nagar
सुंदरनगर
Harabaag
हराबाग
Sathwin
साठवीं
Samela
समेला
Dangoli
दंगोली
Una
ऊना
Govind
Sagar Jheel
गोविंद
सागर झील
Shahtalai
शाहतलाई
Jal Gran
जल ग्रान
Ghumarwin
घुमारवीं
Loharli
लोहारली
Berthin
बरठी
Jajri
जाजरी
Mehatpur
Bhager
भागर
Coverage
Colour Code
No. of Samples
Poor Coverage (334)
No Coverage (0)

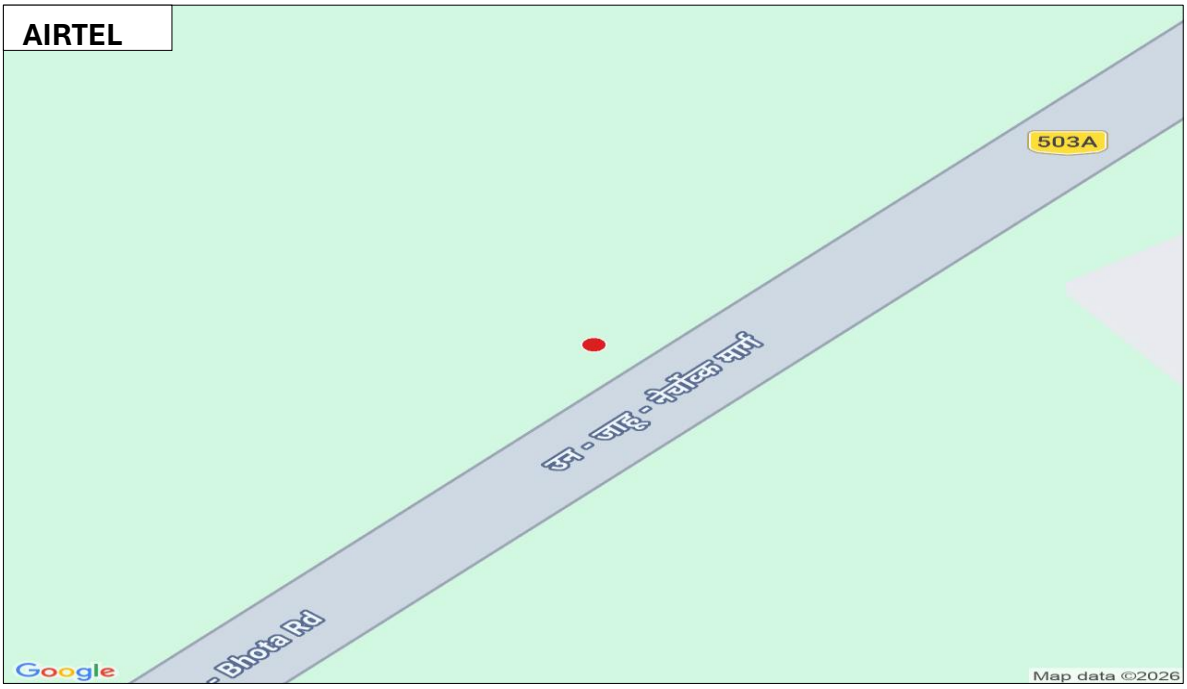

VIL
Bharti
भरती
Kitpal
किटपाल
Basaral
बरारल
Samirpur
समीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Hamirpur
हमीरपुर
Neri
नेरी
Beha
बहा
Dhaneta
धनेता
Ghumarwin
घुमारविन
Kanjian
कंजियन
Rakhota
रखता
Talmehra
तल्मेहरा
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bhota
भोता
Ner Chowk
नेर चौक
Paddar
पद्दर
Baldwara
बलद्वारा
Dhalwan
ढलवां
Bharari
भरारी
Khudla
खुदला
Sundar Nagar
सुंदरनगर
Bijhri
बिझी
Harabaag
हराबाग
Sathwin
साठवीं
Samela
समेला
Dangoli
दंगोली
Una
ऊना
Govind
Sagar Jheel
गोविंद
सागर झील
Shahtalai
शाहतलाई
Jal Gran
जल ग्रान
Ghumarwin
घुमारवीं
Loharli
लोहारली
Berthin
बरठी
Jajri
जाजरी
Mehatpur
Bhager
भागर
Coverage
Colour Code
No. of Samples
Poor Coverage (2466)
No Coverage (62)

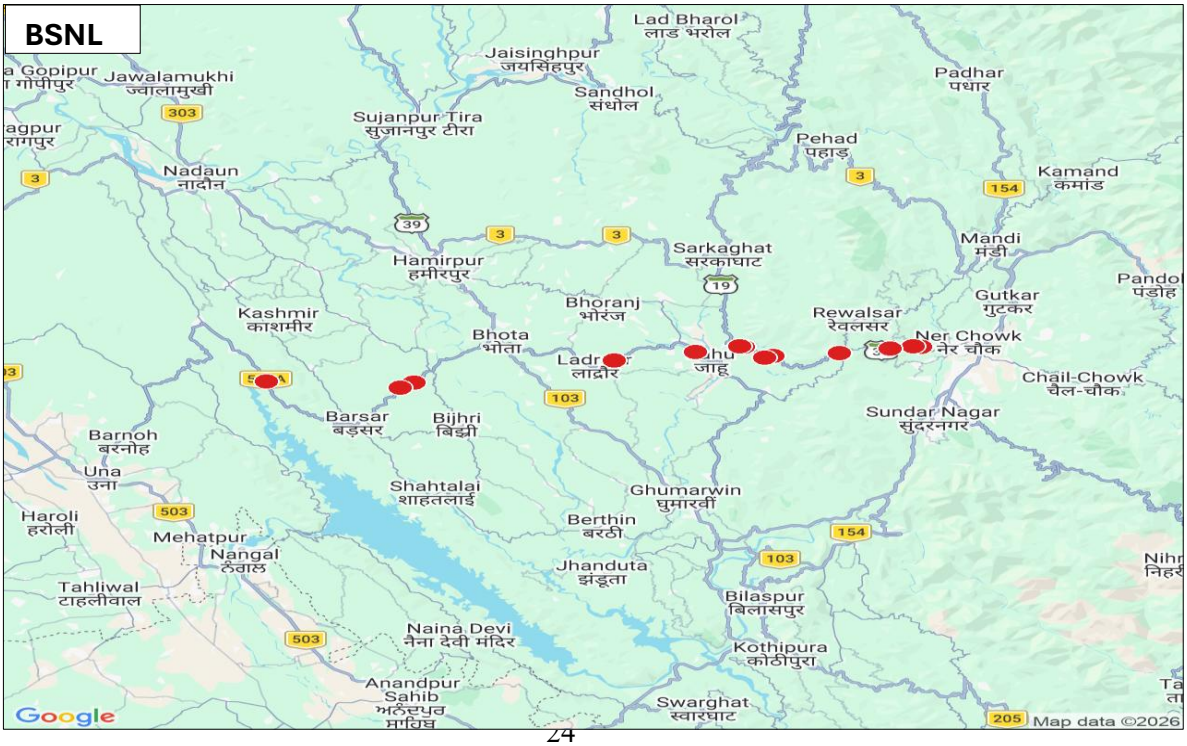
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:-

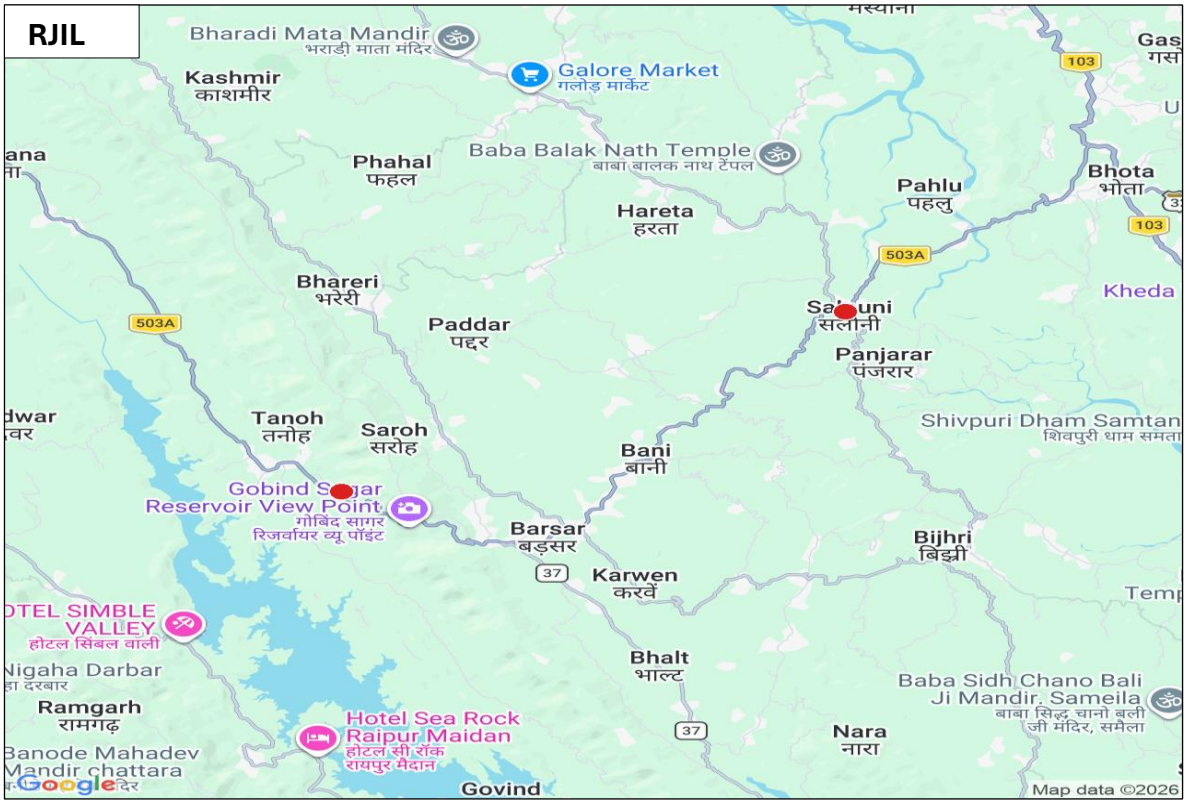
Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	62	67	61	61
Number of dropped Calls	1	13	2	3

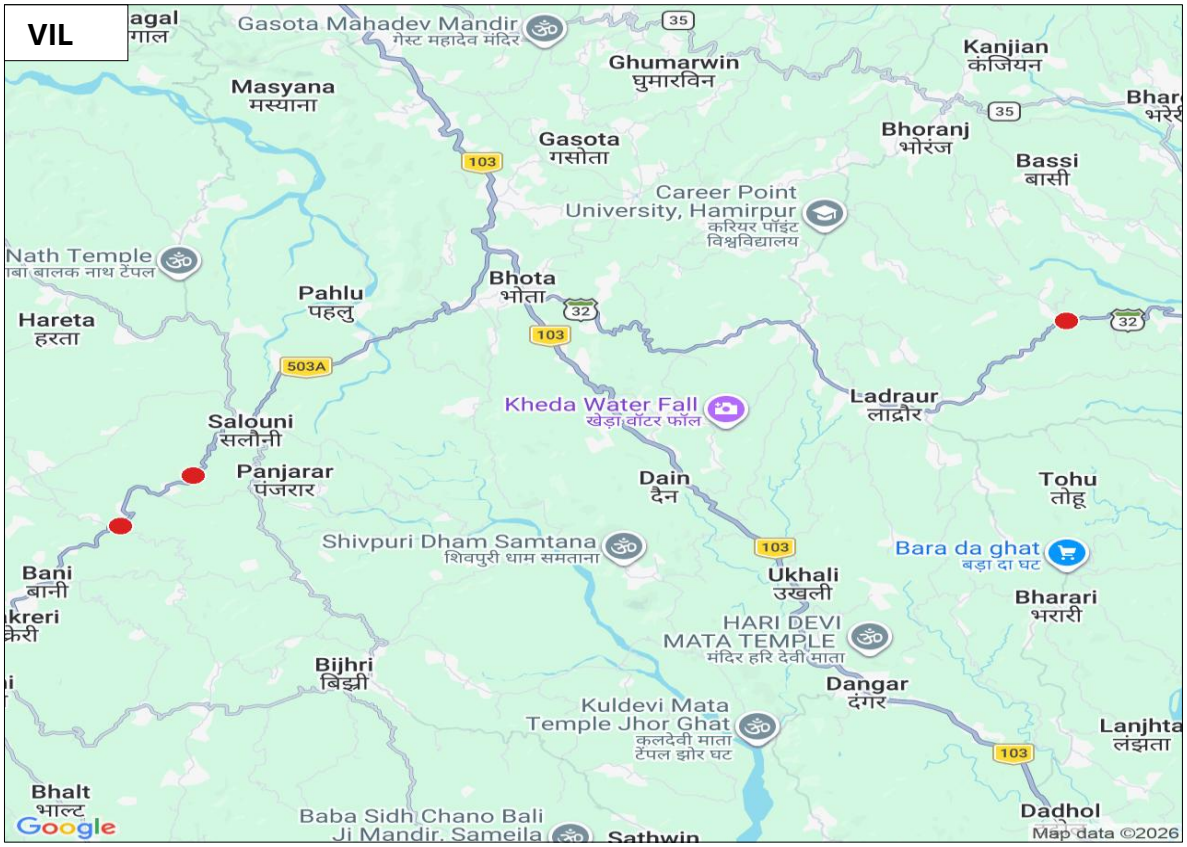
Locations of Dropped Calls

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.






RJIL
Bharadi Mata Mandir
भराड़ी माता मंदिर
Galore Market
गलोड़ मार्केट
Kashmir
काशमीर
Phahal
फहल
Baba Balak Nath Temple
बाबा बालक नाथ टेंपल
Hareta
हरता
Pahlu
पहलु
Bhota
भोता
Bhareri
भरेरी
503A
Paddar
पद्दर
Kheda
Panjarar
पंजरार
Tanoh
तनोह
Saroh
सरोह
Shivpuri Dham Samtan
शिवपुरी धाम समता
Bani
बानी
Gobind Sagar
Reservoir View Point
गोबिंद सागर
रिजर्वायर व्यू पॉइंट
Barsar
बड़सर
Bijhri
बिझी
37
Karwen
करवें
Bhalt
भाल्ट
Ramgarh
रामगढ़
Hotel Sea Rock
Raipur Maidan
होटल सी रॉक
रायपुर मैदान
Baba Sidh Chano Bali
Ji Mandir, Sameila
बाबा सिद्ध चानो बली
जी मंदिर, समैला
Nara
नारा
Govind
Map data ©2026

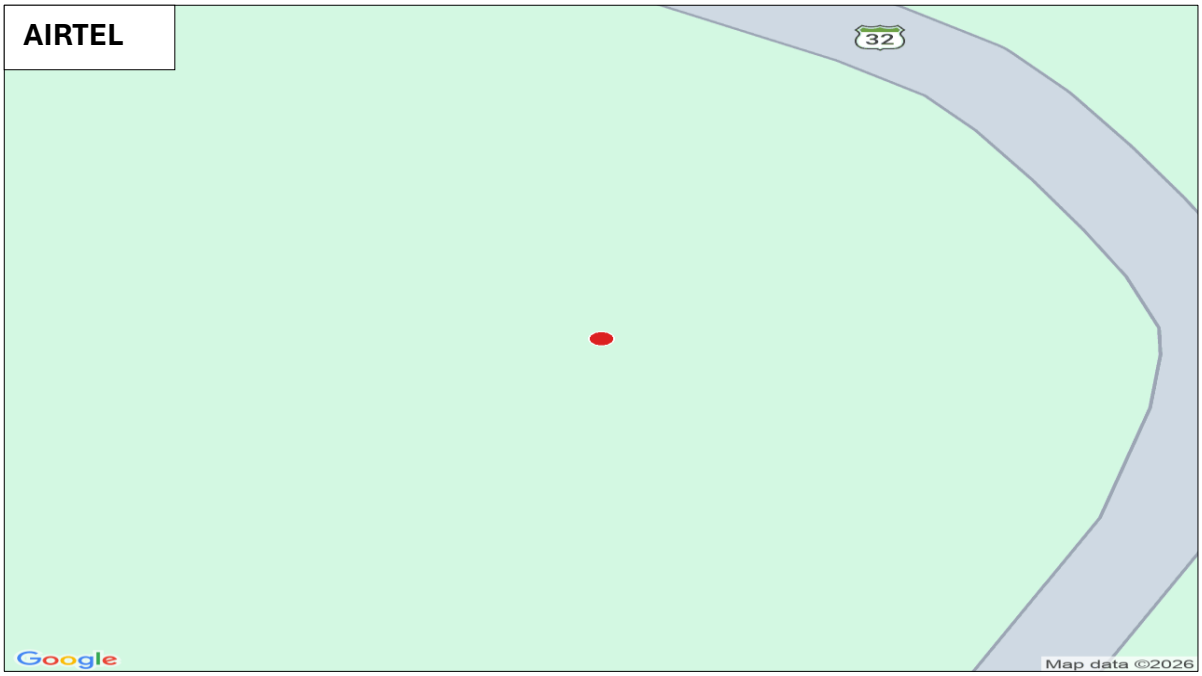

VIL
Gasota Mahadev Mandir
गेस्ट महादेव मंदिर
Ghumarwin
घुमारविन
Kanjian
कंजियन
Masyana
मस्याना
Bhoranj
भोरंज
Gasota
गसोता
Bassi
बासी
Career Point
University, Hamirpur
करियर पॉइंट
विश्वविद्यालय
Pahlu
पहलु
Bhota
भोता
Hareta
हरता
503A
Kheda Water Fall
खेड़ा वॉटर फॉल
Ladraur
लाद्रौर
Salouni
सलौनी
Panjarar
पंजरार
Dain
दैन
Tohu
तोहू
Shivpuri Dham Samtana
शिवपुरी धाम समताना
Bara da ghat
बड़ा दा घट
Bani
बानी
Ukhali
उखली
Bharari
भरारी
HARI DEVI
MATA TEMPLE
मंदिर हरि देवी माता
Bijhri
बिझी
Dangar
दंगर
Kuldevi Mata
Temple Jhor Ghat
कुलदेवी माता
टेंपल झोर घट
Lanjhta
लंझता
Bhalt
भाल्ट
Baba Sidh Chano Bali
Ji Mandir, Sameila
Dadhol
Map data ©2026

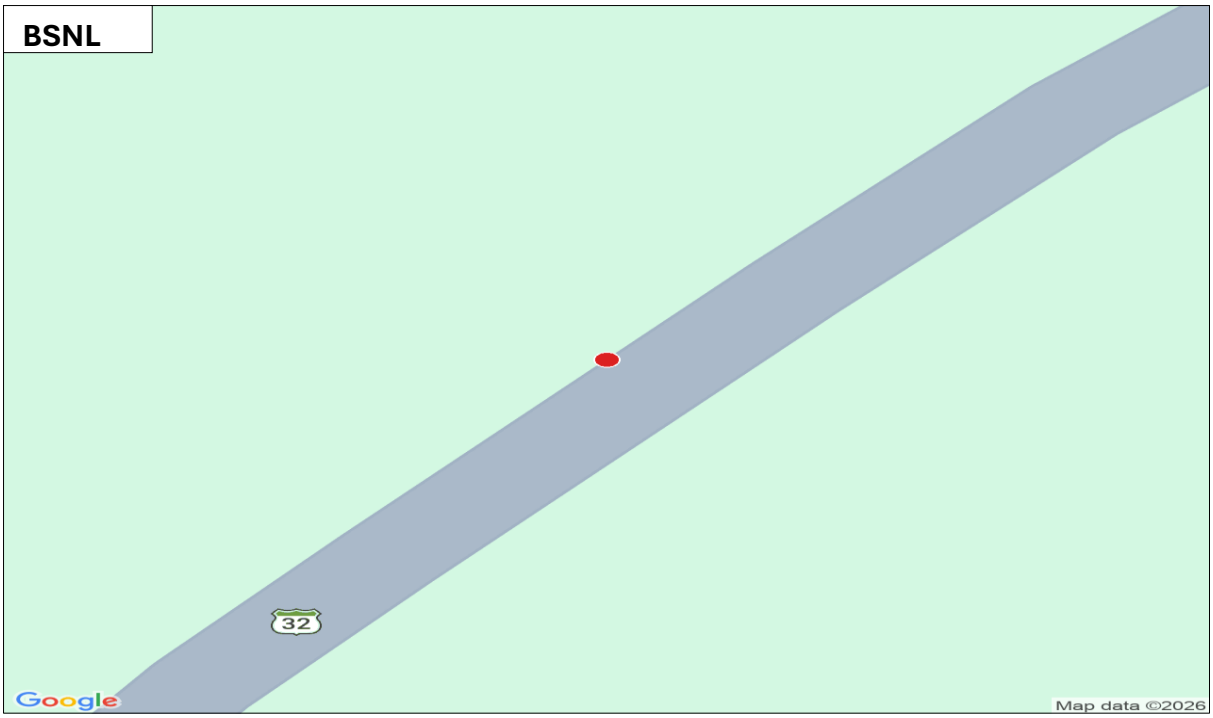
c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:-

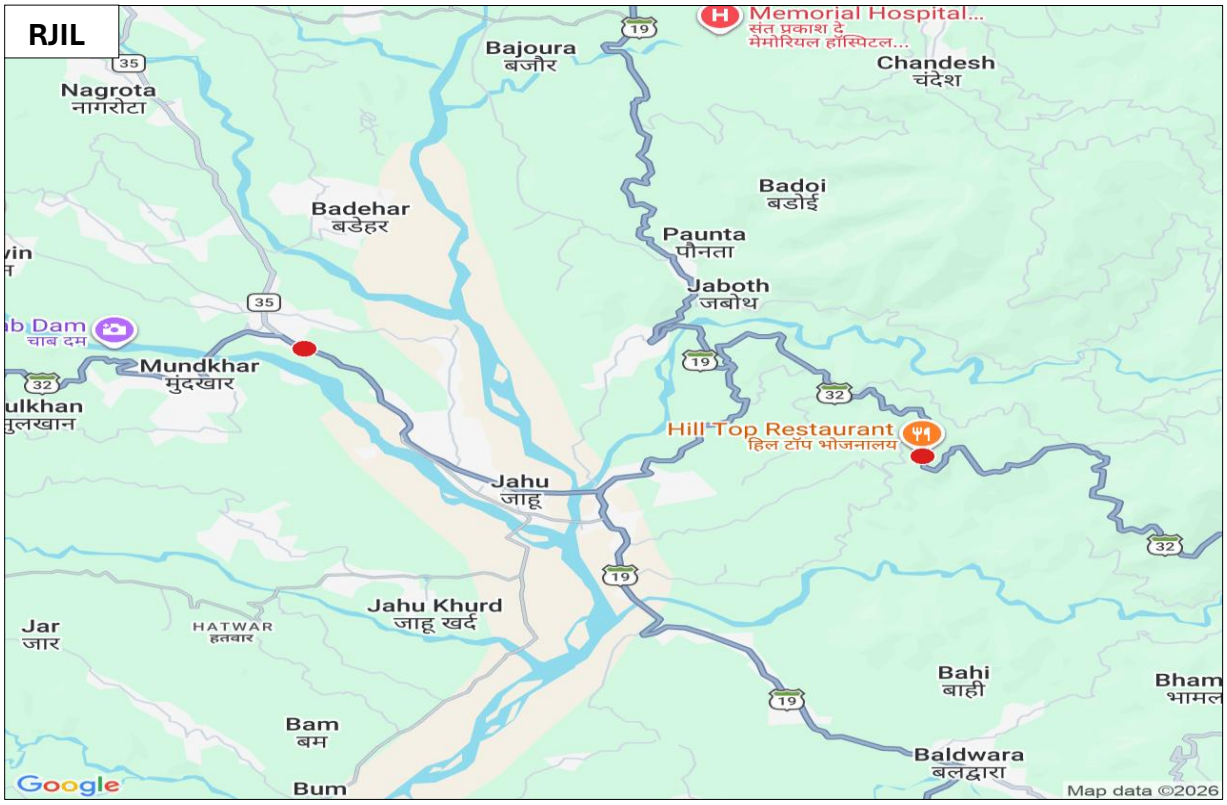
Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	60	58	60	61
Number of silences calls for >3 Sec	1	1	2	0
Total number of silence instances for >3 Sec	1	1	2	0

Locations of Call Silence Instance

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



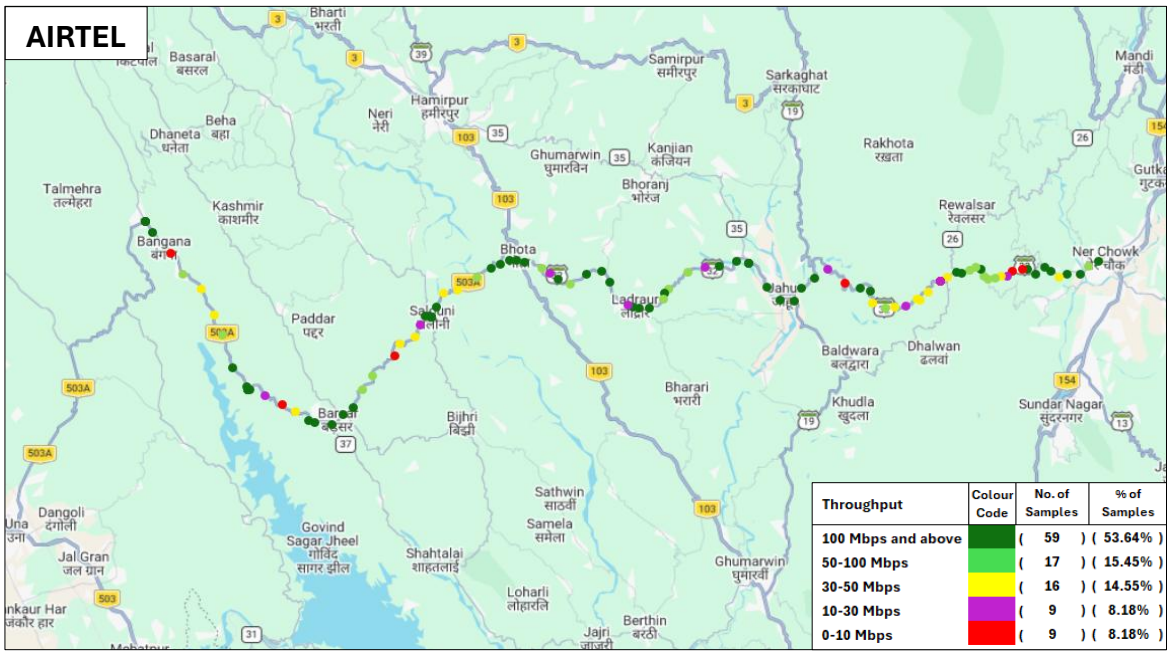




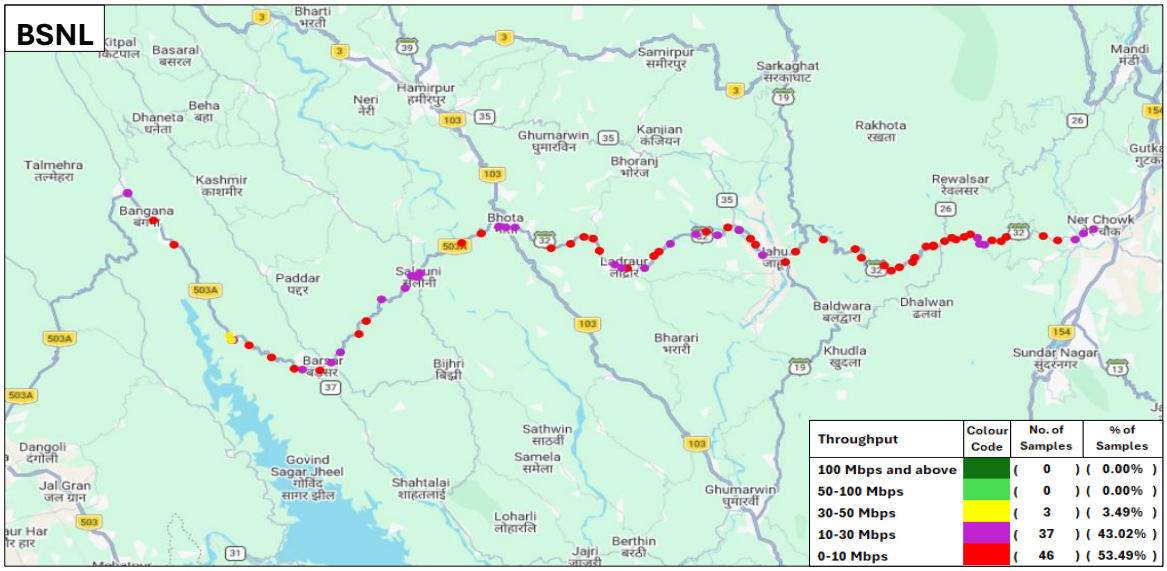
d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below:-

(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)	23.00	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	209.98	10.15	194.88	9.63

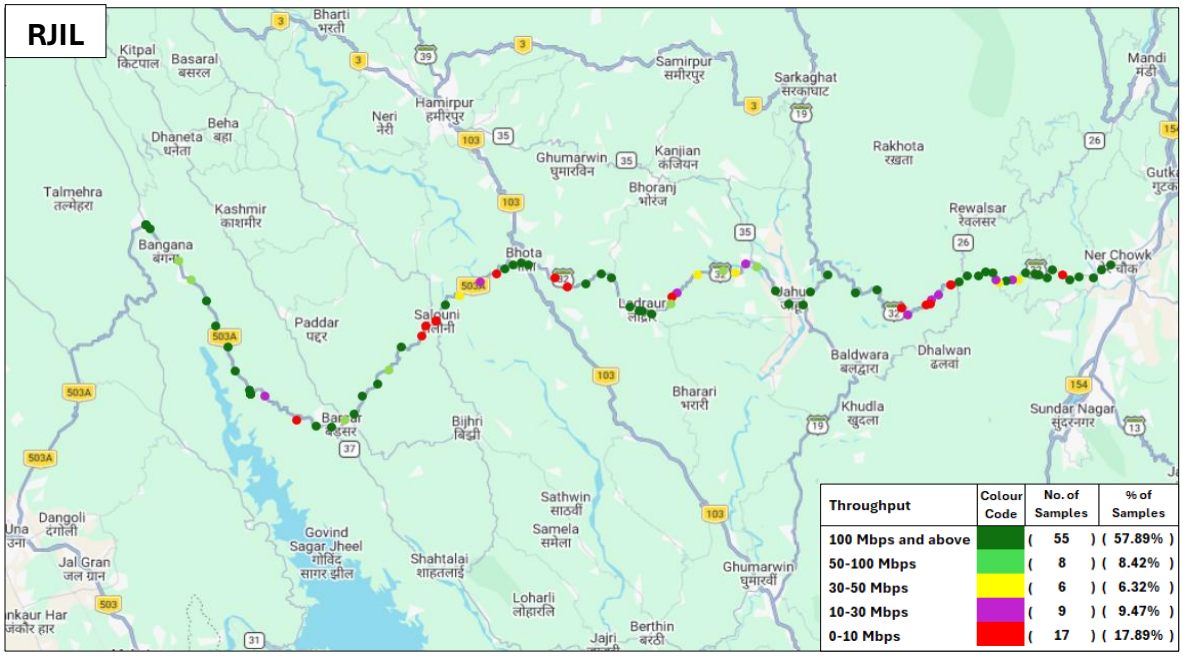


BSNL



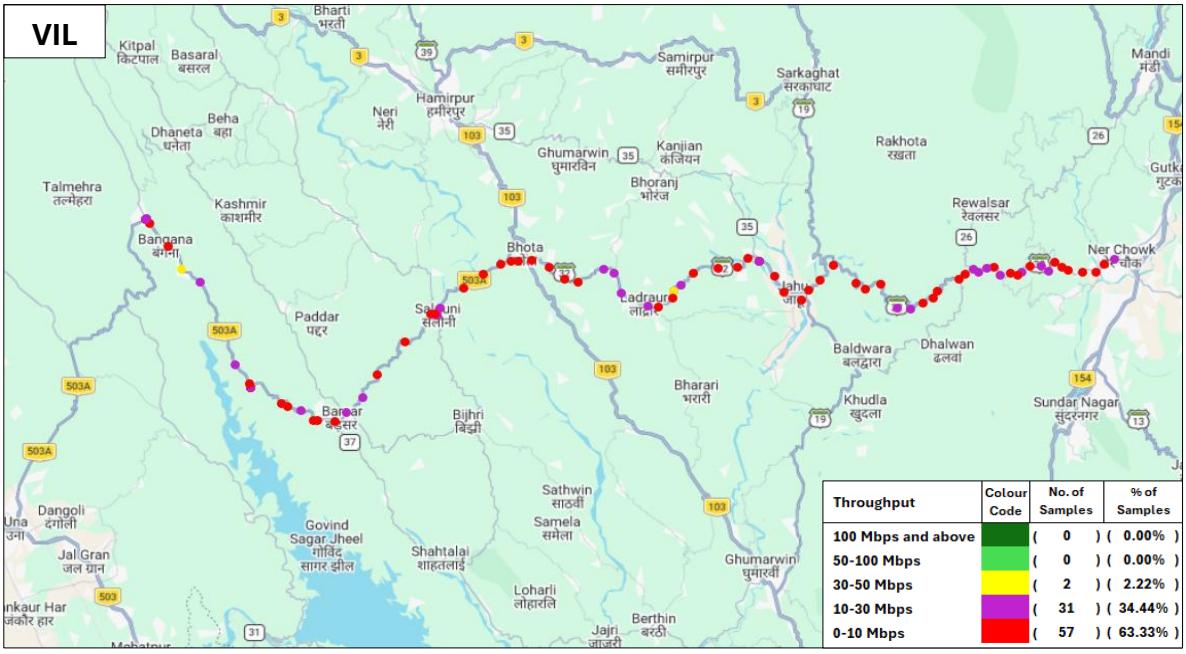
Throughput	Colour Code	No. of Samples	% of Samples
100 Mbps and above		(0)	(0.00%)
50-100 Mbps		(0)	(0.00%)
30-50 Mbps		(3)	(3.49%)
10-30 Mbps		(37)	(43.02%)
0-10 Mbps		(46)	(53.49%)

RJIL



Throughput	Colour Code	No. of Samples	% of Samples
100 Mbps and above		(55)	(57.89%)
50-100 Mbps		(8)	(8.42%)
30-50 Mbps		(6)	(6.32%)
10-30 Mbps		(9)	(9.47%)
0-10 Mbps		(17)	(17.89%)

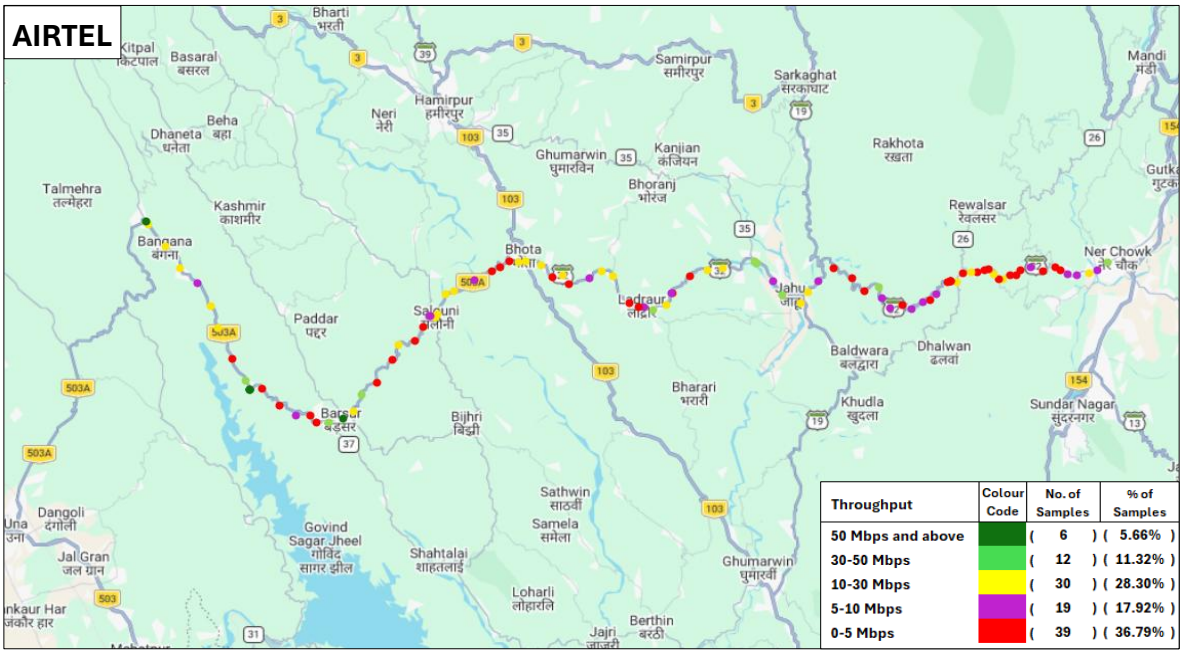
VIL

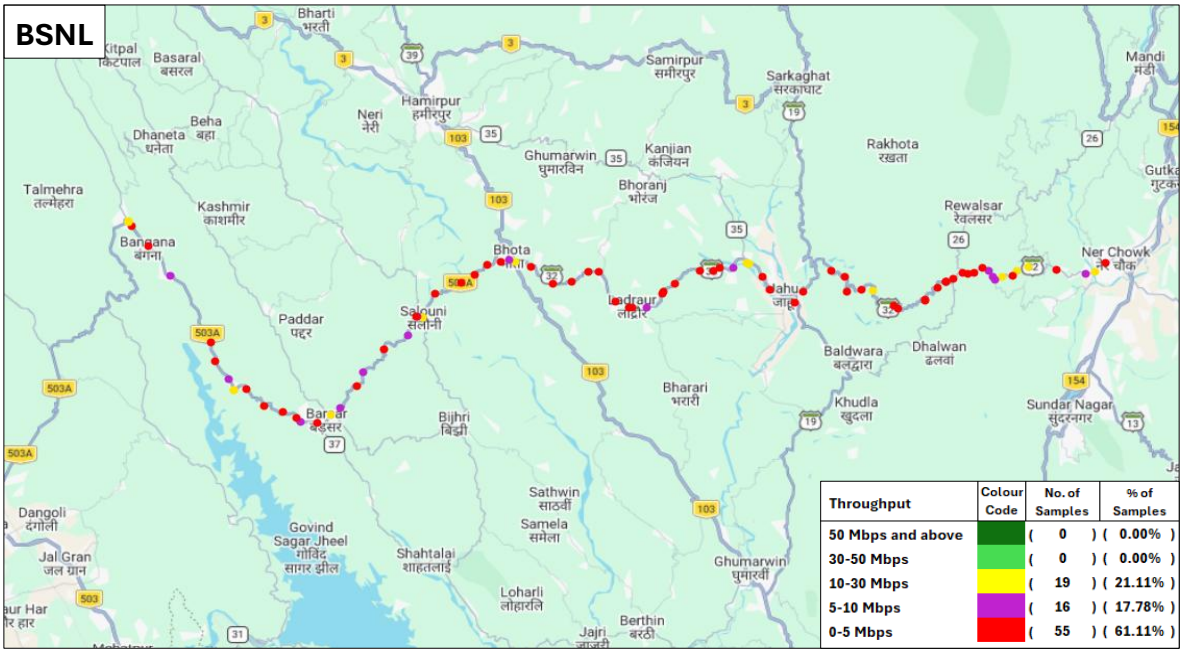


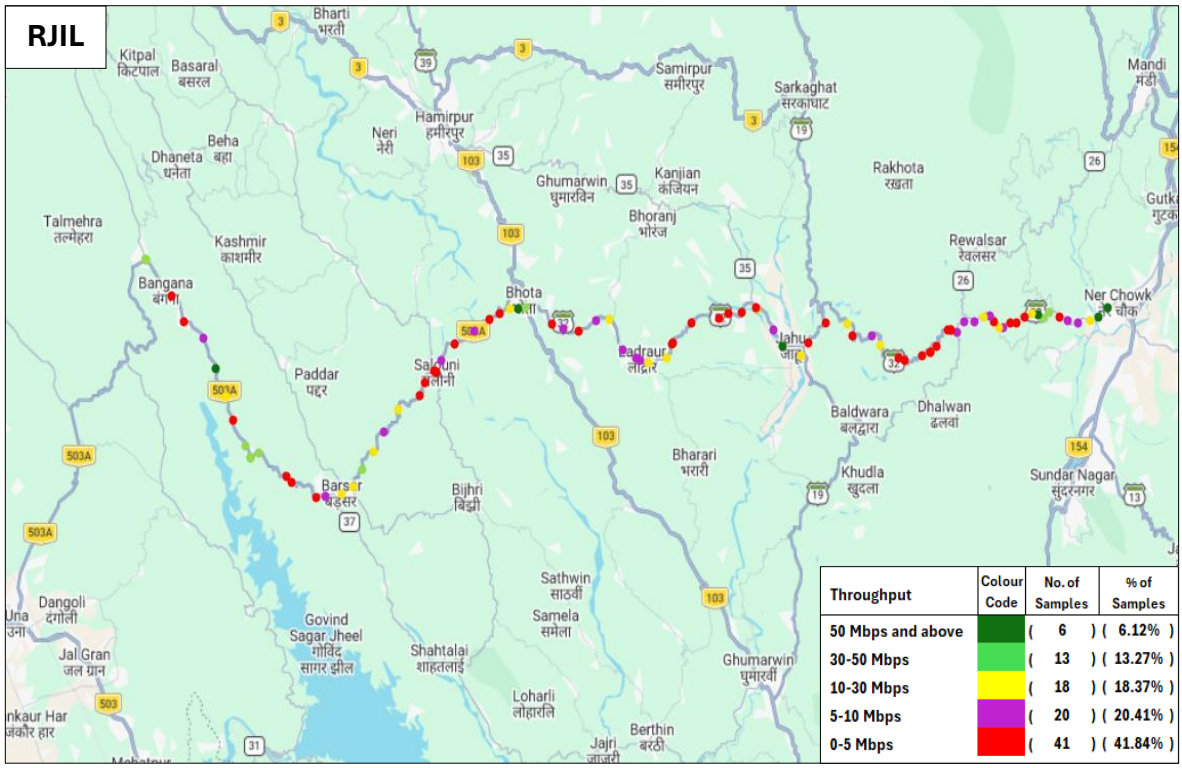
Throughput	Colour Code	No. of Samples	% of Samples
100 Mbps and above		(0)	(0.00%)
50-100 Mbps		(0)	(0.00%)
30-50 Mbps		(2)	(2.22%)
10-30 Mbps		(31)	(34.44%)
0-10 Mbps		(57)	(63.33%)

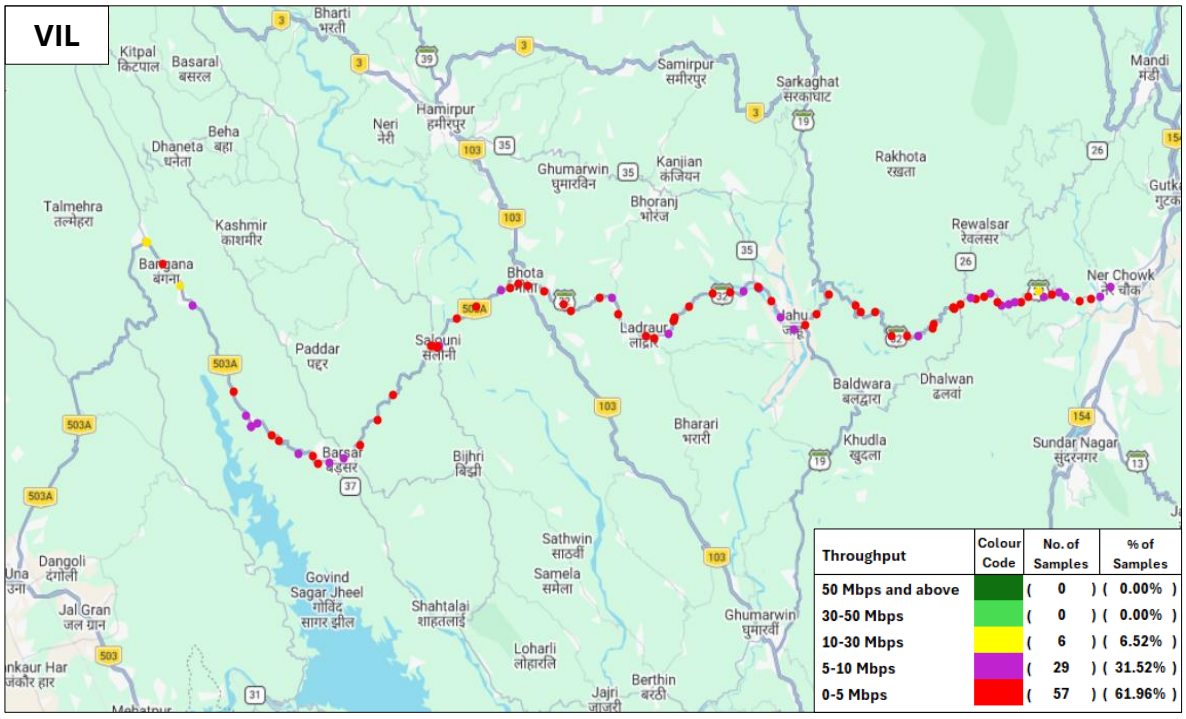
(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Upload throughput declared by TSP	(Mbits/s)	10.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	14.67	5.59	14.40	4.36









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

Annexure – I

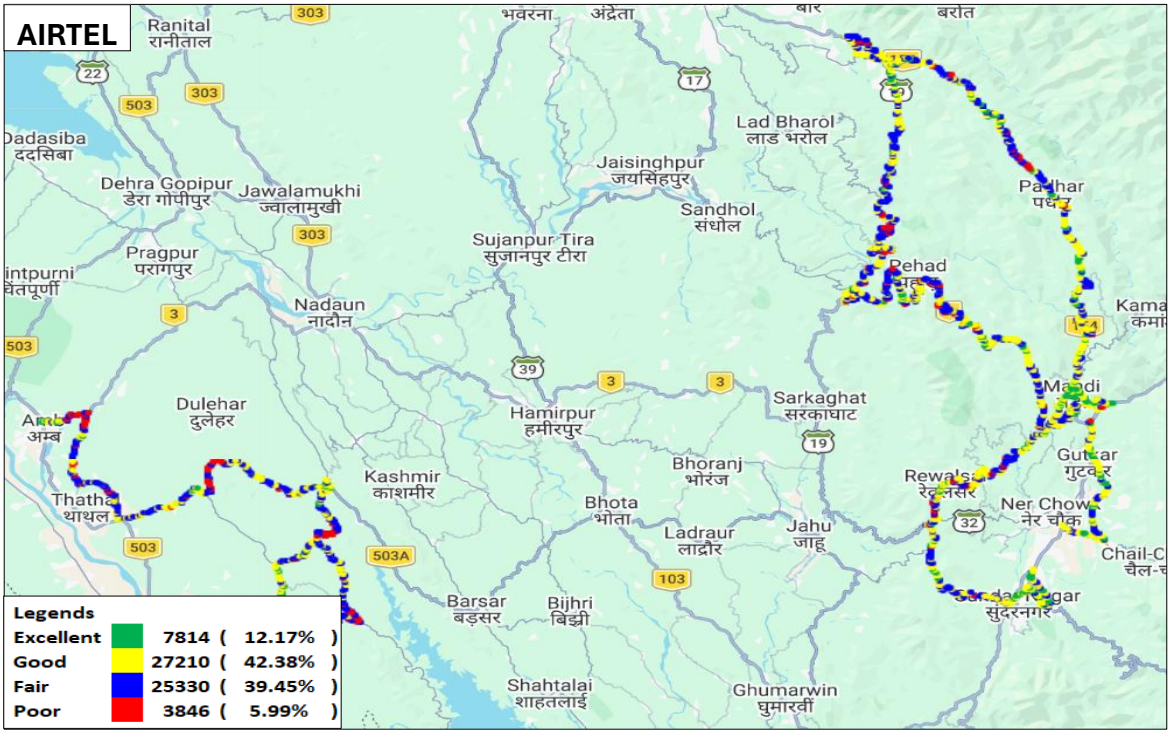
1. Una, Mandi & Joginder Nagar City:-

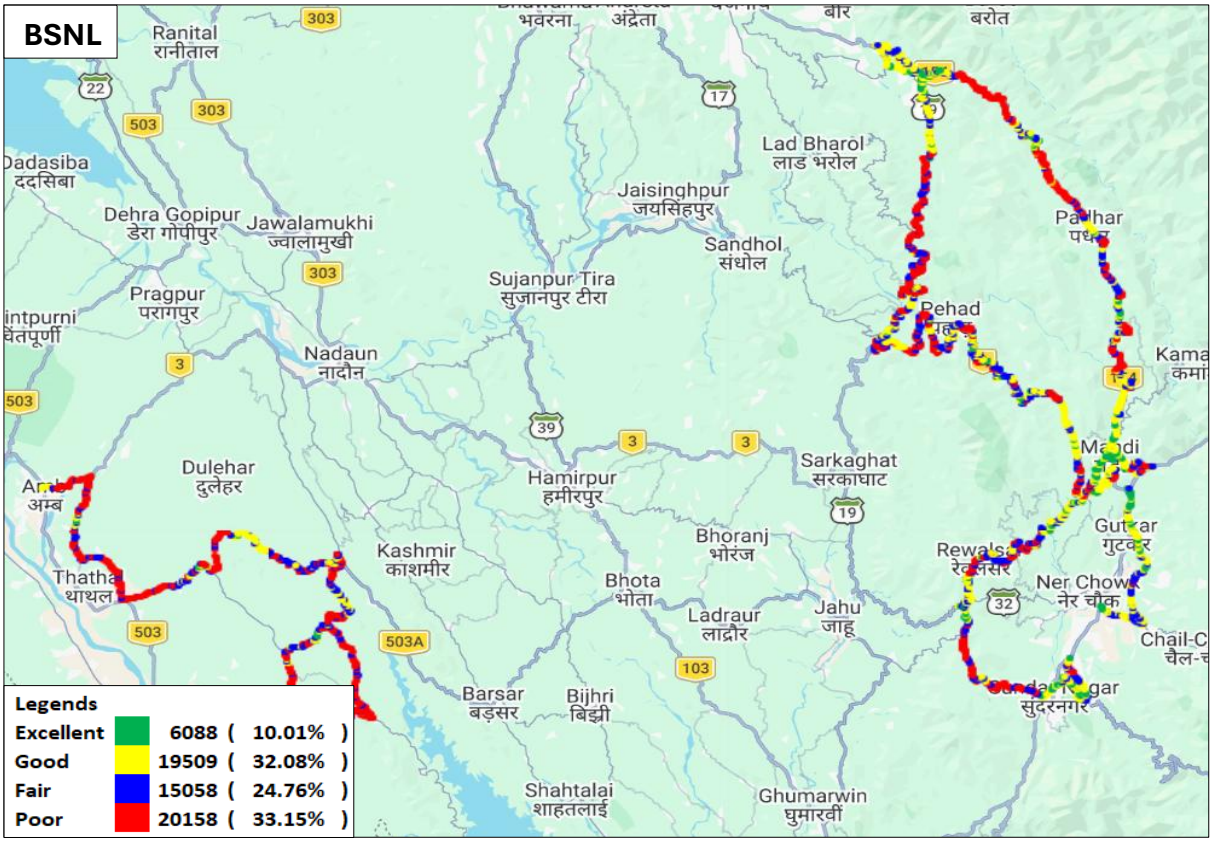
a) Coverage Gap – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below:-

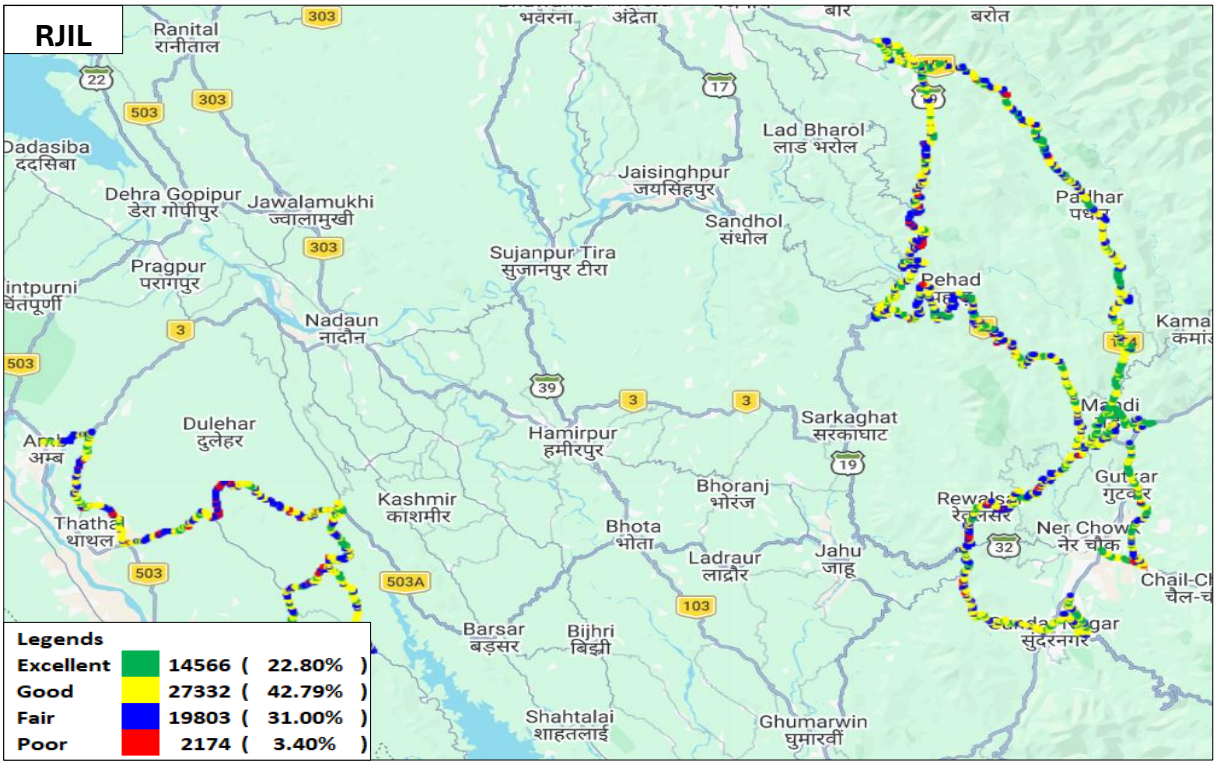
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	64200	60813	63875	63375
Number of Samples having poor signal strength	3846	20158	2174	16902
Number of Samples having Limited Service (No Coverage)	31	632	23	169

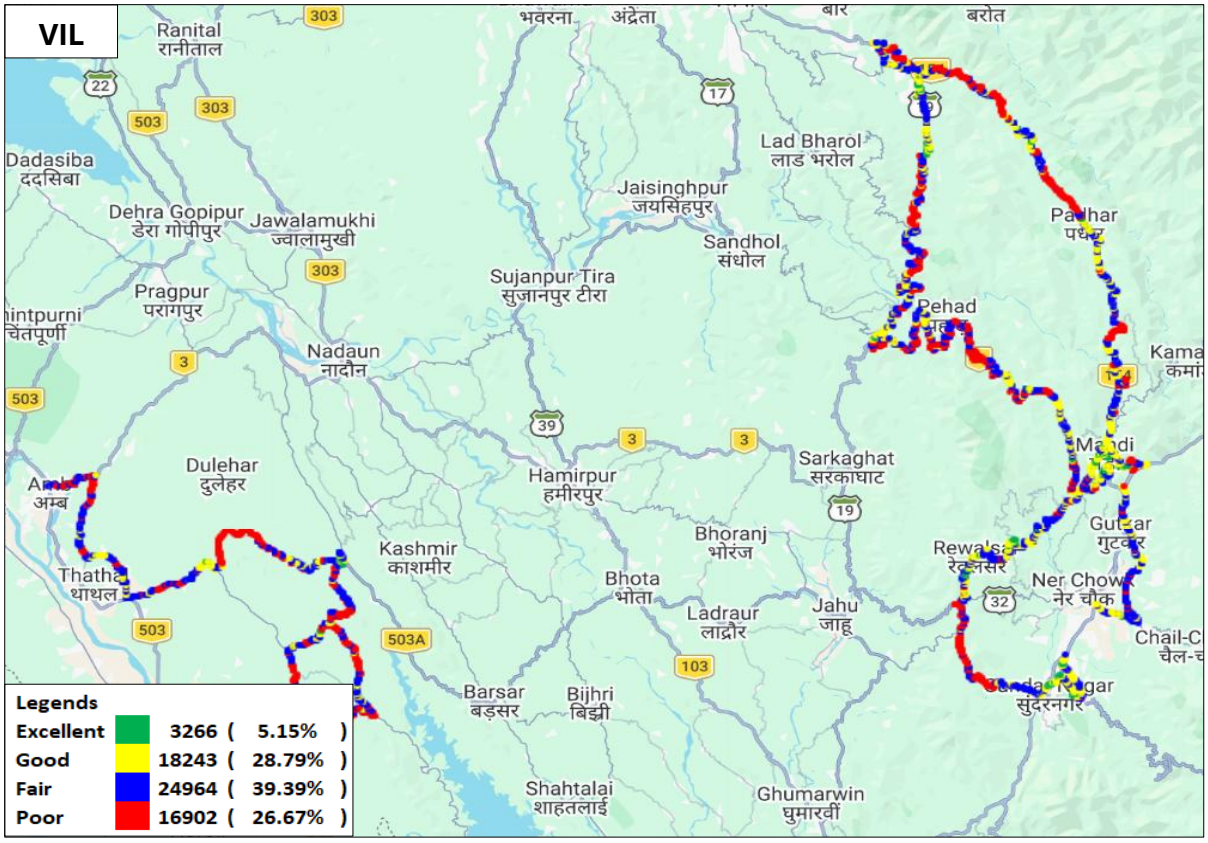
Note: Signal strength has been considered poor if it falls below −110 dBm for 5G & 4G, −90 dBm for 3G, and −85 dBm for 2G.

Coverage Gap observed




BSNL
Ranital
रानीताल
Dadasiba
ददसिबा
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Pragpur
परागपुर
Nadaun
नादौन
Dulehar
दुलेहर
Thatha
थाथल
Kashmir
काश्मीर
Barsar
बड़सर
Bijhri
बिझी
Shahtalai
शाहतलाई
Hamirpur
हमीरपुर
Sujanpur Tira
सुजानपुर टीरा
Jaisinghpur
जयसिंहपुर
Sandhol
संधोल
Lad Bharol
लाड भरोल
Sarkaghat
सरकाघाट
Bhoranj
भोरंज
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Ghumarwin
घुमारवीं
Pehad
Ner Chowk
नेर चौक
Legends
Excellent 6088 (10.01%)
Good 19509 (32.08%)
Fair 15058 (24.76%)
Poor 20158 (33.15%)


RJIL
Ranital
रानीताल
Dadasiba
ददसिबा
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Pragpur
परागपुर
Nadaun
नादौन
Dulehar
दुलेहर
Thatha
थाथल
Kashmir
काश्मीर
Barsar
बड़सर
Bijhri
बिझी
Shahtalai
शाहतलाई
Hamirpur
हमीरपुर
Sujanpur Tira
सुजानपुर टीरा
Jaisinghpur
जयसिंहपुर
Sandhol
संधोल
Lad Bharol
लाड भरोल
Sarkaghat
सरकाघाट
Bhoranj
भोरंज
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Ghumarwin
घुमारवीं
Pehad
Ner Chowk
नेर चौक
Legends
Excellent 14566 (22.80%)
Good 27332 (42.79%)
Fair 19803 (31.00%)
Poor 2174 (3.40%)



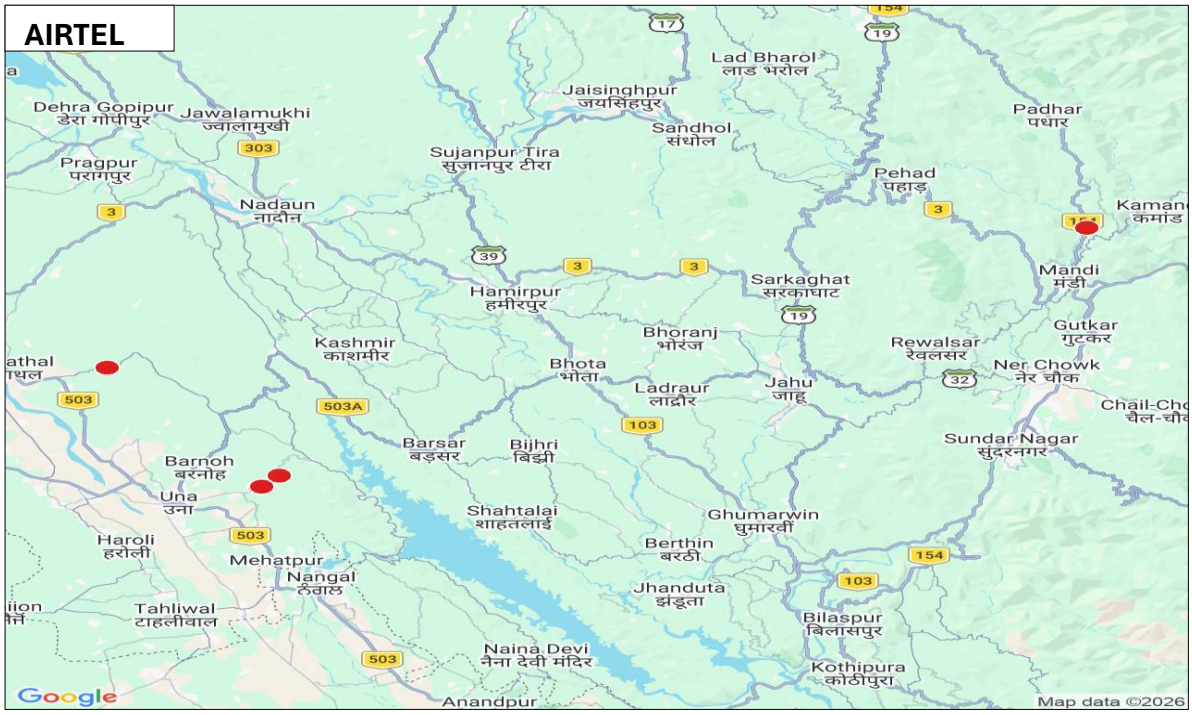
Note: Plot is based on Dynamic Drive Test results only.

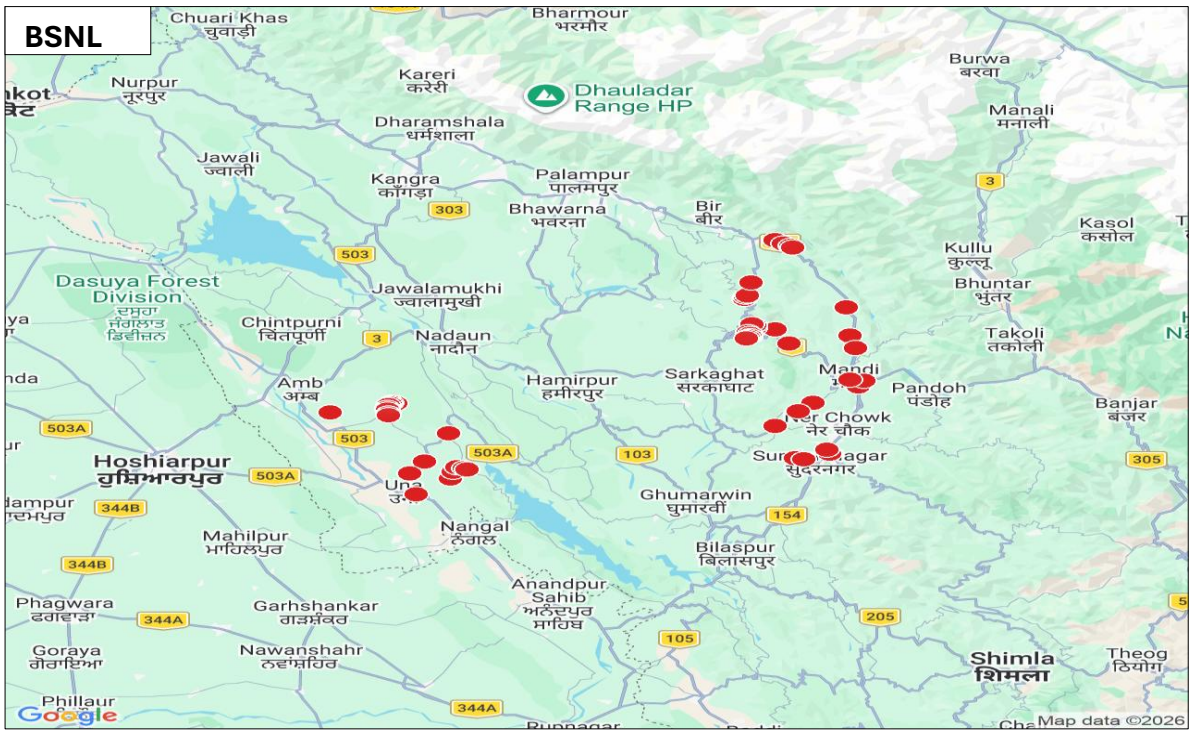
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	570	538	565	560
Number of dropped Calls	5	49	3	13

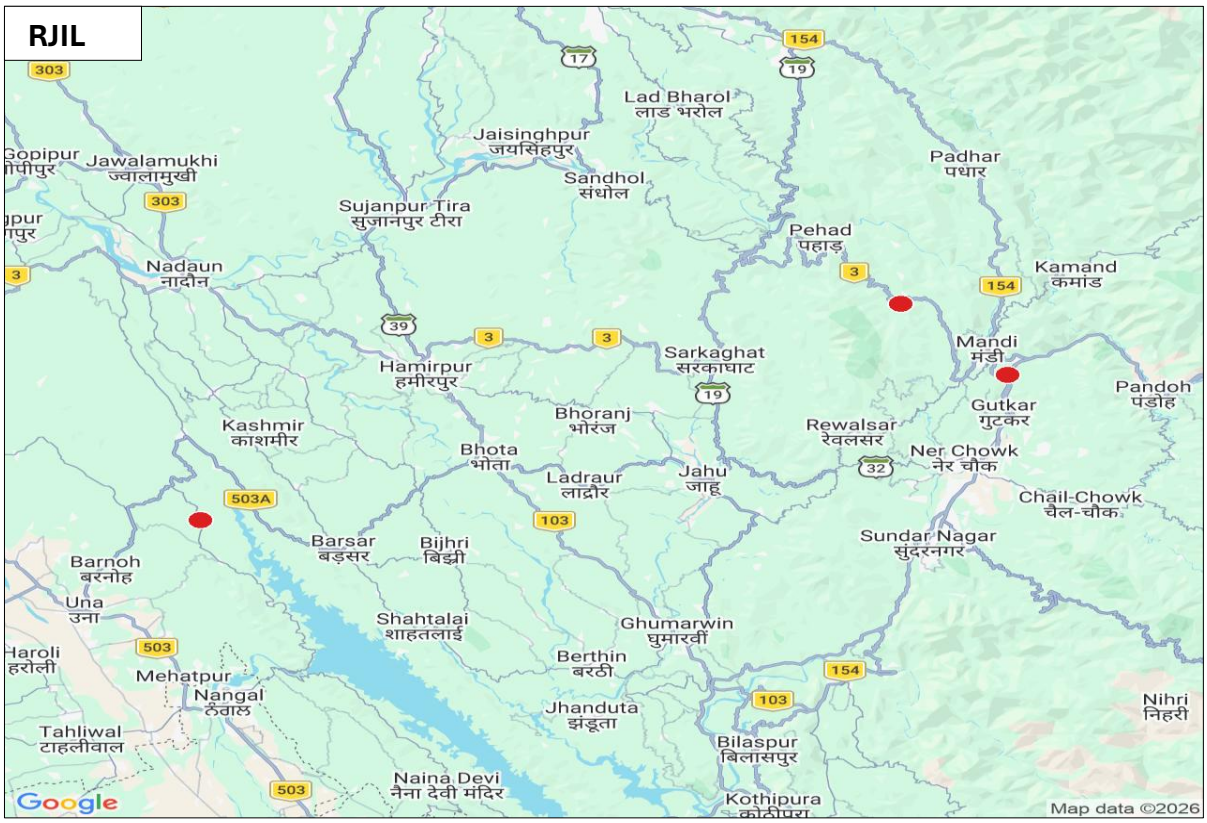
Locations of Dropped Calls

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.

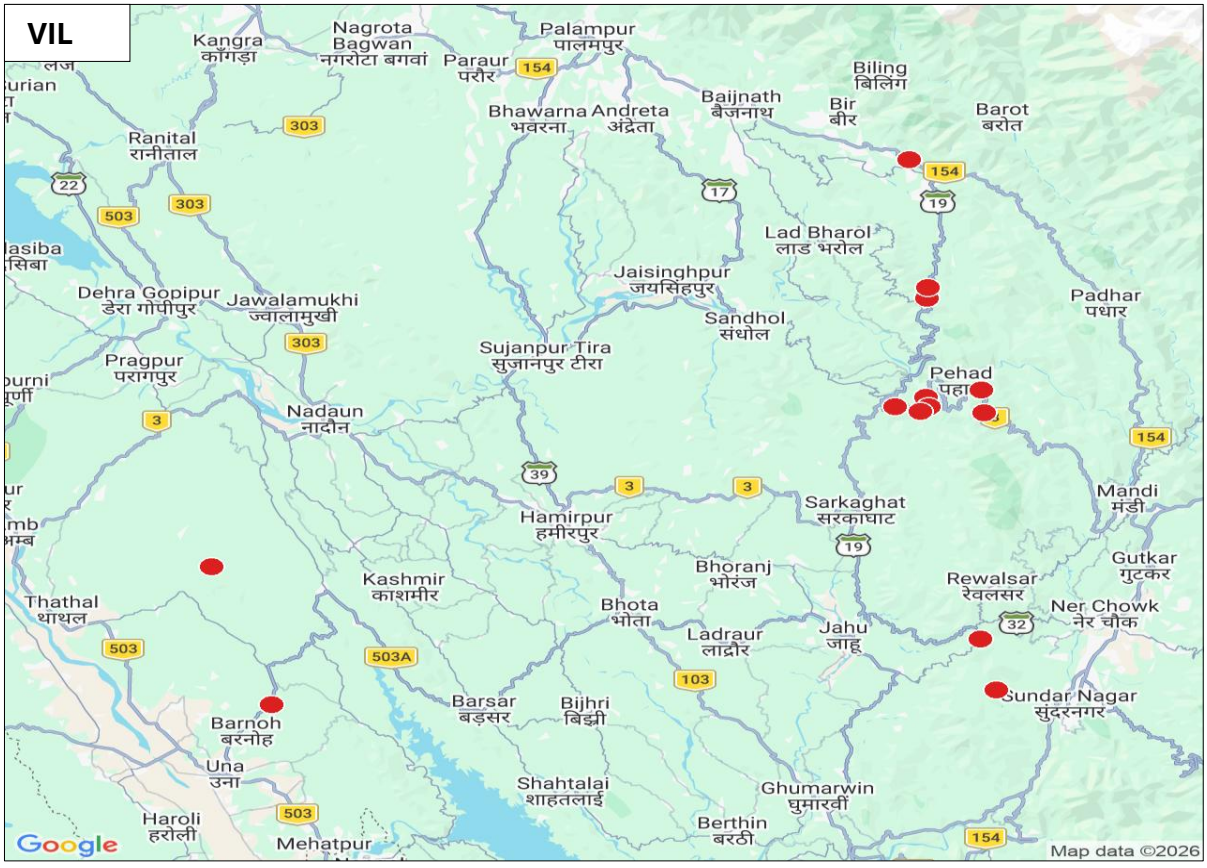




RJIL


Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Sandhol
संधोल
Padhar
पधार
Sujanpur Tira
सुजानपुर टीरा
Pehad
पहाड़
Kamand
कमांड
Nadaun
नादौन
Mandi
मंडी
Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Pandoh
पंडोह
Gutkar
गुटकर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Kashmir
काश्मीर
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Chail-Chowk
चैल-चौक
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Berthin
बरठी
Mehatpur
Nangal
ठंगाल
Jhanduta
झंडूता
Nihri
निहरी
Tahliwal
टाहलीवाल
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Google
Map data ©2026

VIL

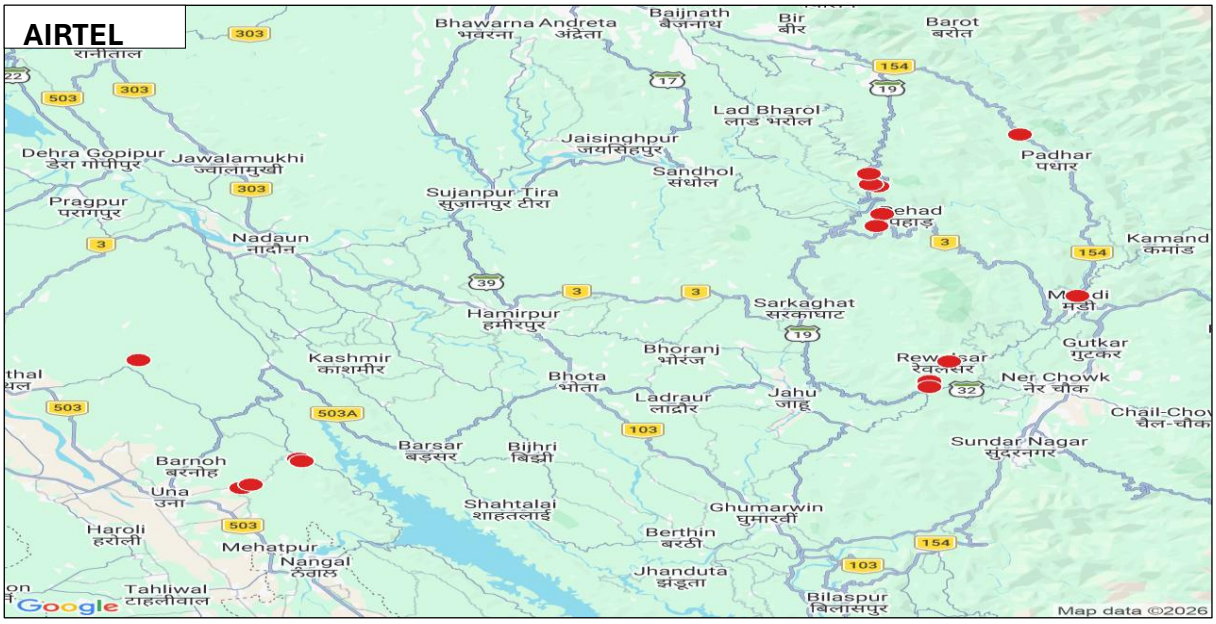

Kangra
काँगड़ा
Nagrota
Bagwan
नगरोटा बगवां
Palampur
पालमपुर
Paraur
परौर
Biling
बिलिंग
Baijnath
बैजनाथ
Bir
बीर
Barot
बरोत
Bhawarna
भवरना
Andreta
अंद्रेता
Ranital
रानीताल
Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Sandhol
संधोल
Padhar
पधार
Pragpur
परागपुर
Sujanpur Tira
सुजानपुर टीरा
Pehad
Nadaun
नादौन
Mandi
मंडी
Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Gutkar
गुटकर
Bhoranj
भोरंज
Kashmir
काश्मीर
Rewalsar
रेवलसर
Thathal
थाथल
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Google
Map data ©2026

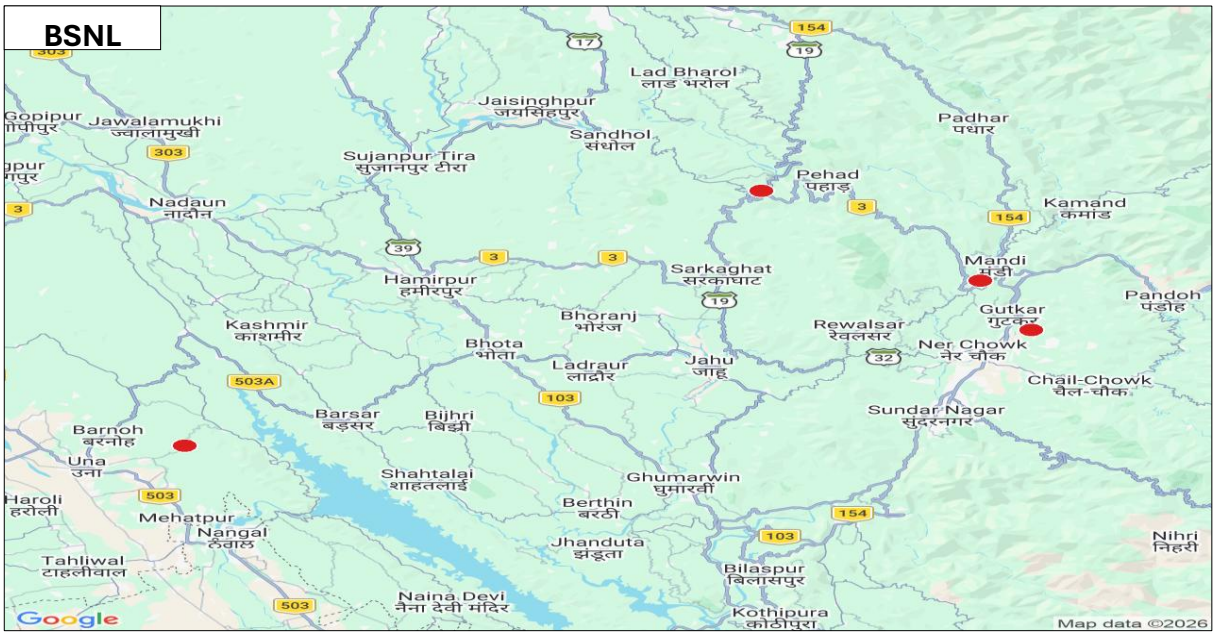
c) Call Silence Instance - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	536	433	539	497
Number of silences calls for >3 Sec	14	4	9	12
Total number of silence instances for >3 Sec	15	4	9	12

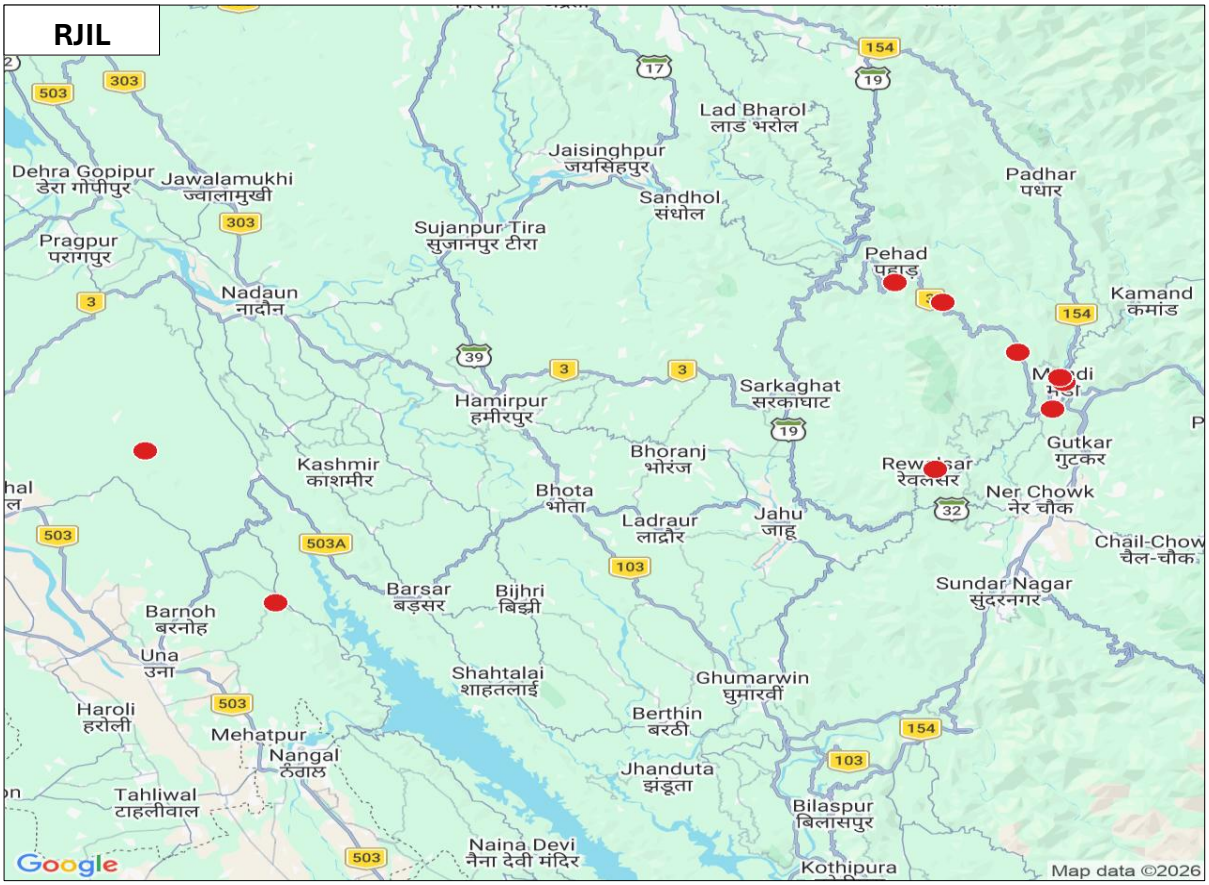
Locations of Call Silence Instance

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

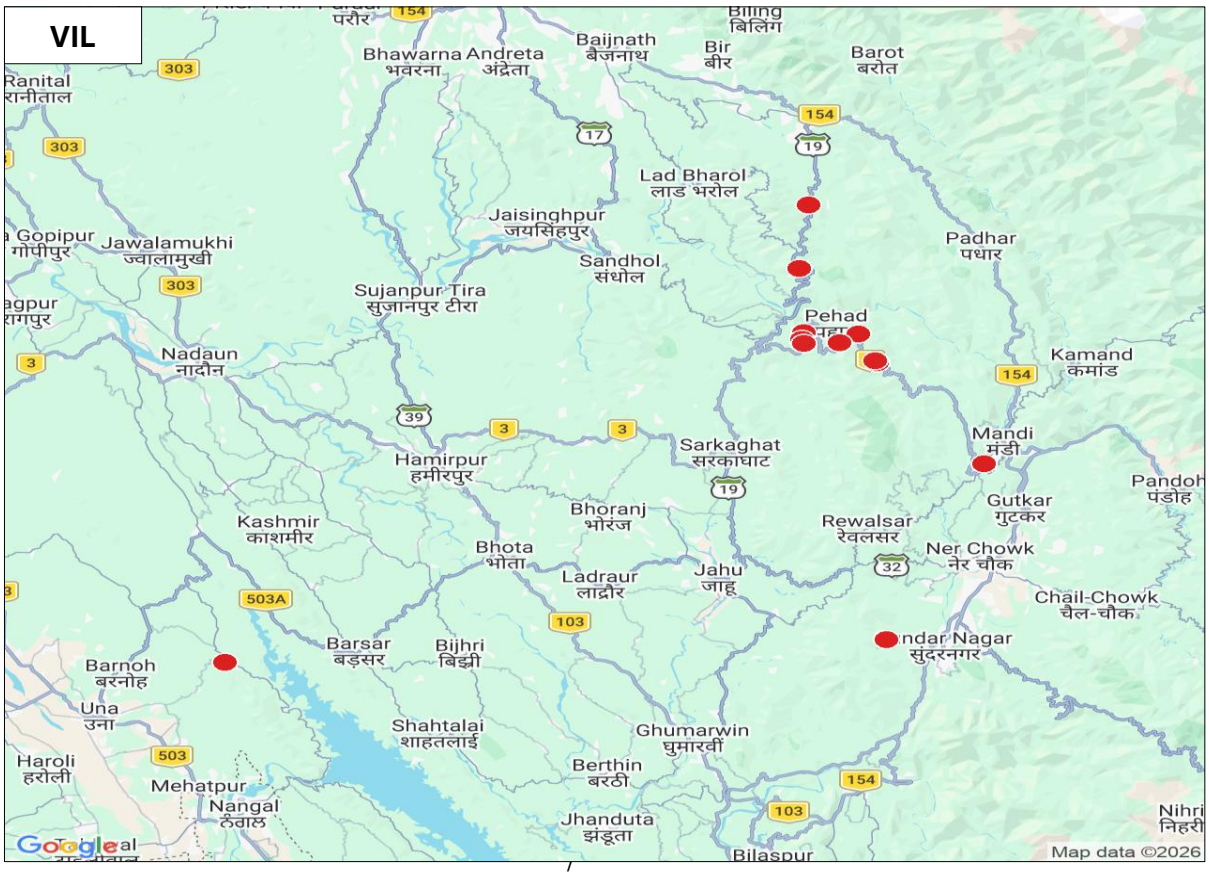




RJIL


Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Dehra Gopipur
डेरा गोपीपुर
Jawalamukhi
ज्वालामुखी
Sandhol
संधोल
Padhar
पधार
Pragpur
परागपुर
Sujanpur Tira
सुजानपुर टीरा
Pehad
पहाड़
Nadaun
नादौन
Kamand
कमांड
Sarkaghat
सरकाघाट
Hamirpur
हमीरपुर
Gutkar
गुटकर
Bhoranj
भोरंज
Kashmir
काश्मीर
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Nangal
ठेवाल
Jhanduta
झंडूता
Tahliwal
टाहलीवाल
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
Google
Map data ©2026

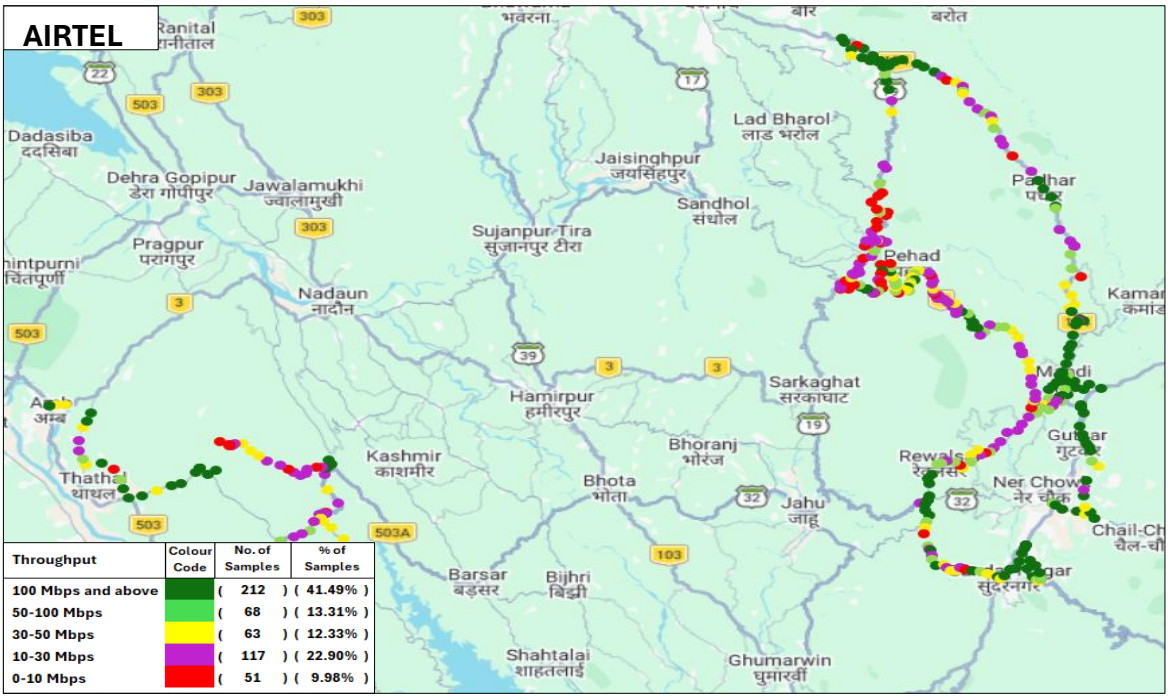
VIL

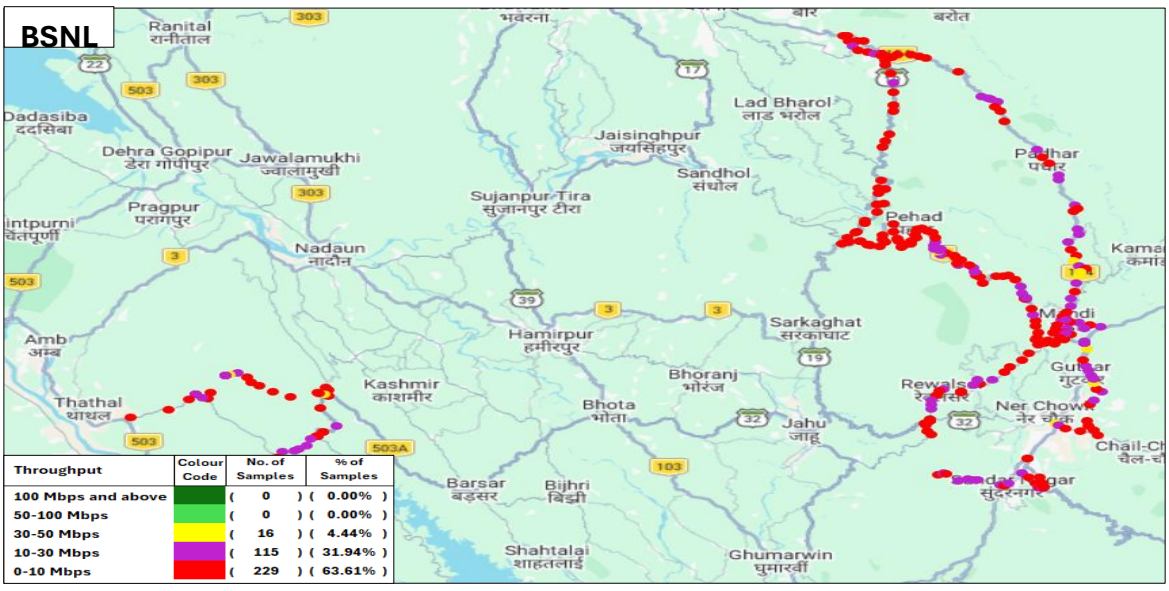

Bhawarna
भवरना
Andreta
अंद्रेता
Baijnath
बैजनाथ
Bir
बीर
Barot
बरोत
Lad Bharol
लाड भरोल
Jaisinghpur
जयसिंहपुर
Padhar
पधार
Sandhol
संधोल
Sujanpur Tira
सुजानपुर टीरा
Pehad
Nadaun
नादौन
Kamand
कमांड
Sarkaghat
सरकाघाट
Hamirpur
हमीरपुर
Mandi
मंडी
Gutkar
गुटकर
Bhoranj
भोरंज
Kashmir
काश्मीर
Rewalsar
रेवलसर
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Nangal
ठेवाल
Jhanduta
झंडूता
Google
Map data ©2026

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:-

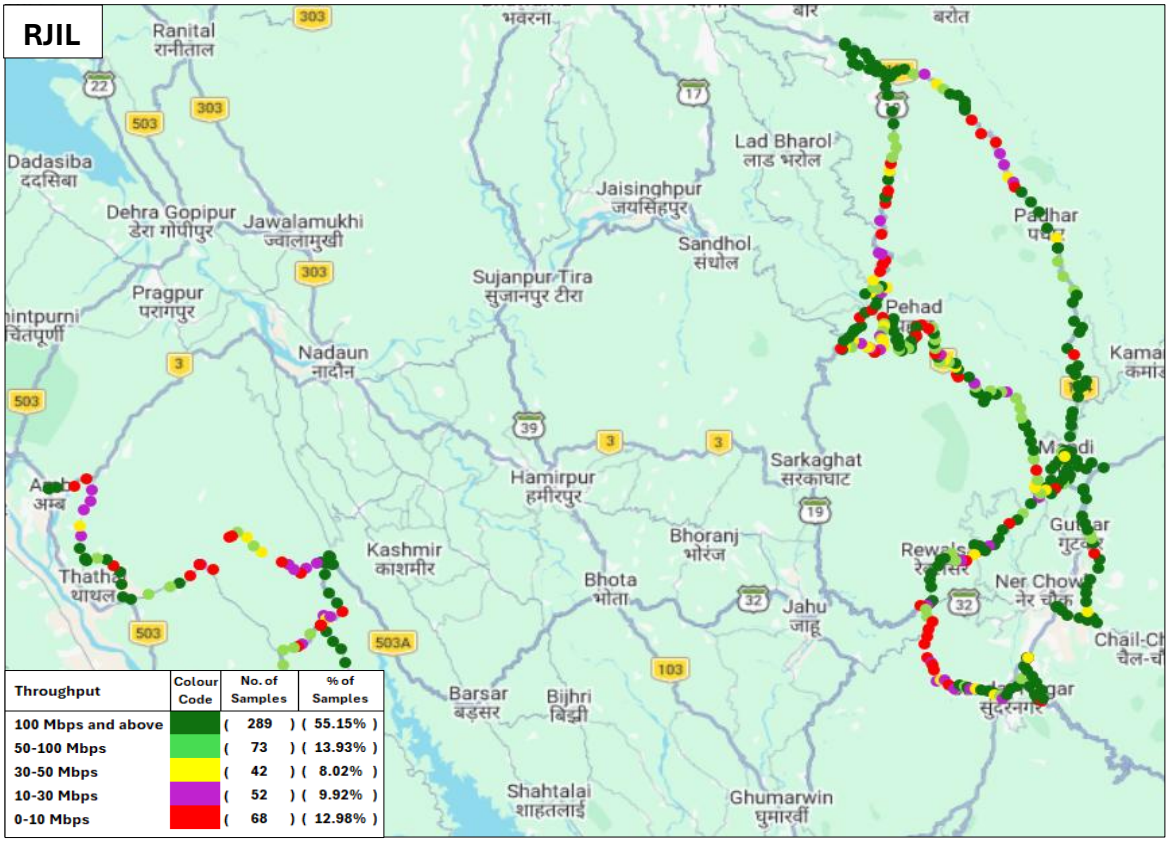
(i) Download Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	23.00	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	122.28	9.49	171.68	12.18

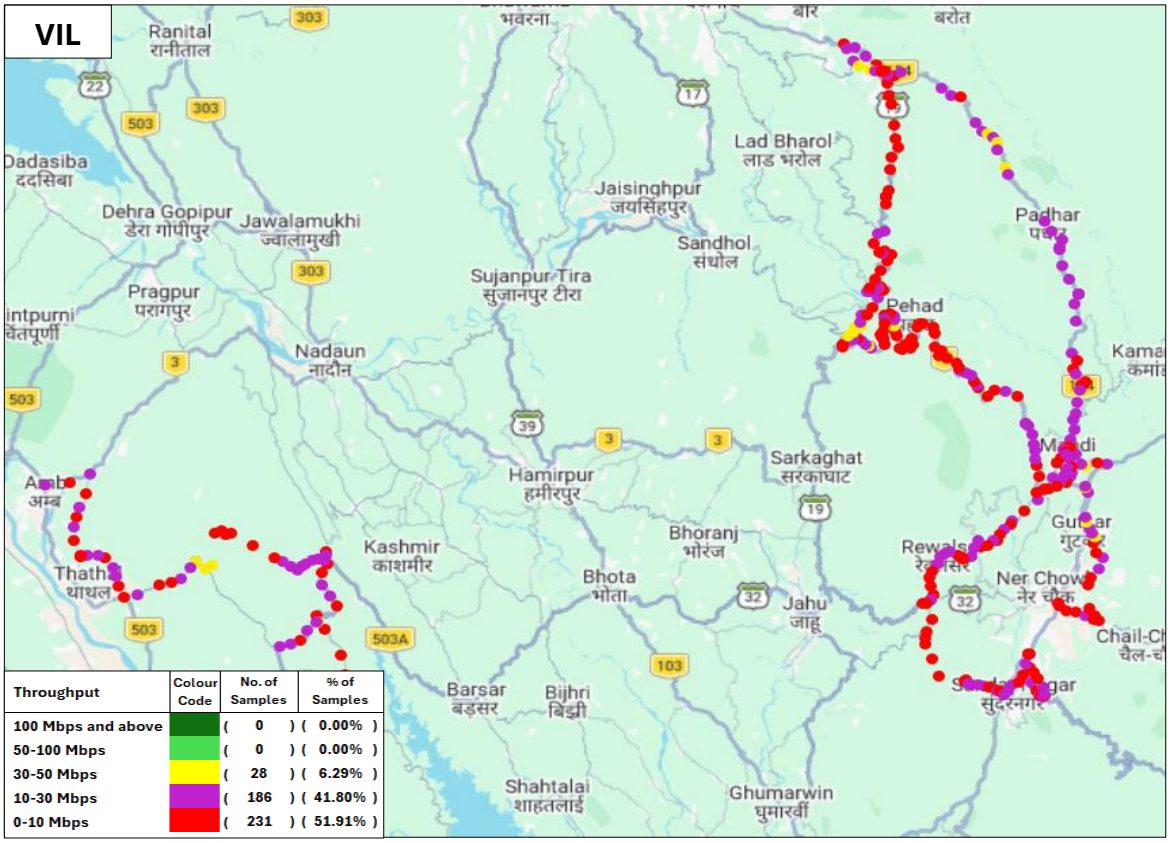




RJIL



VIL

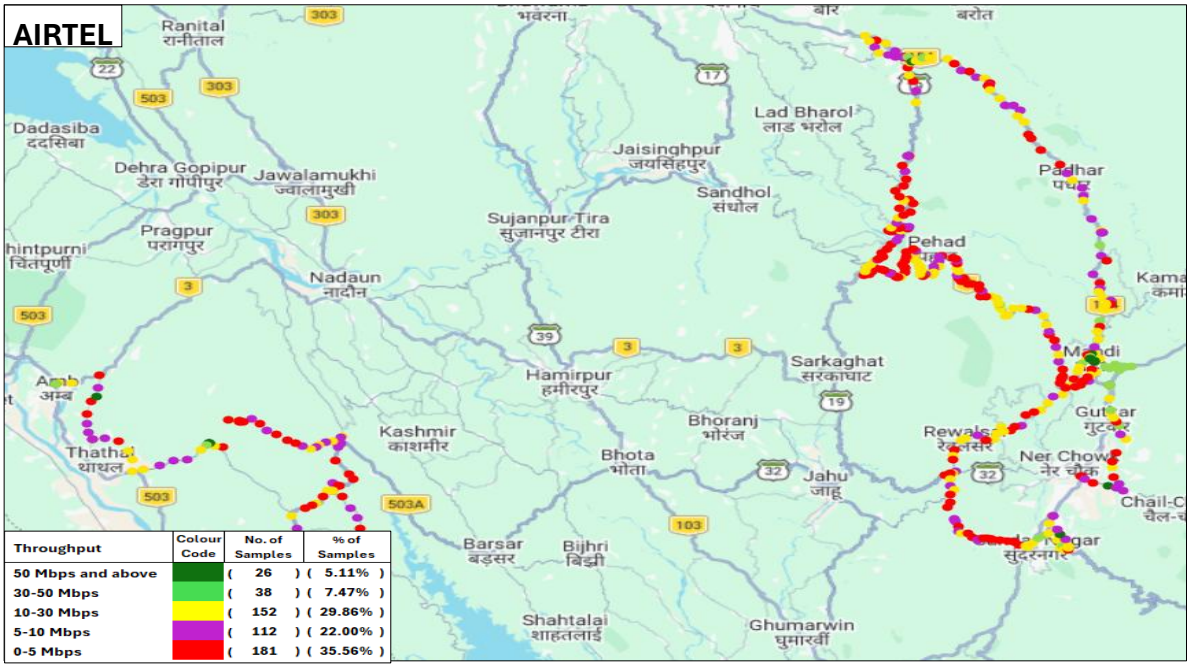


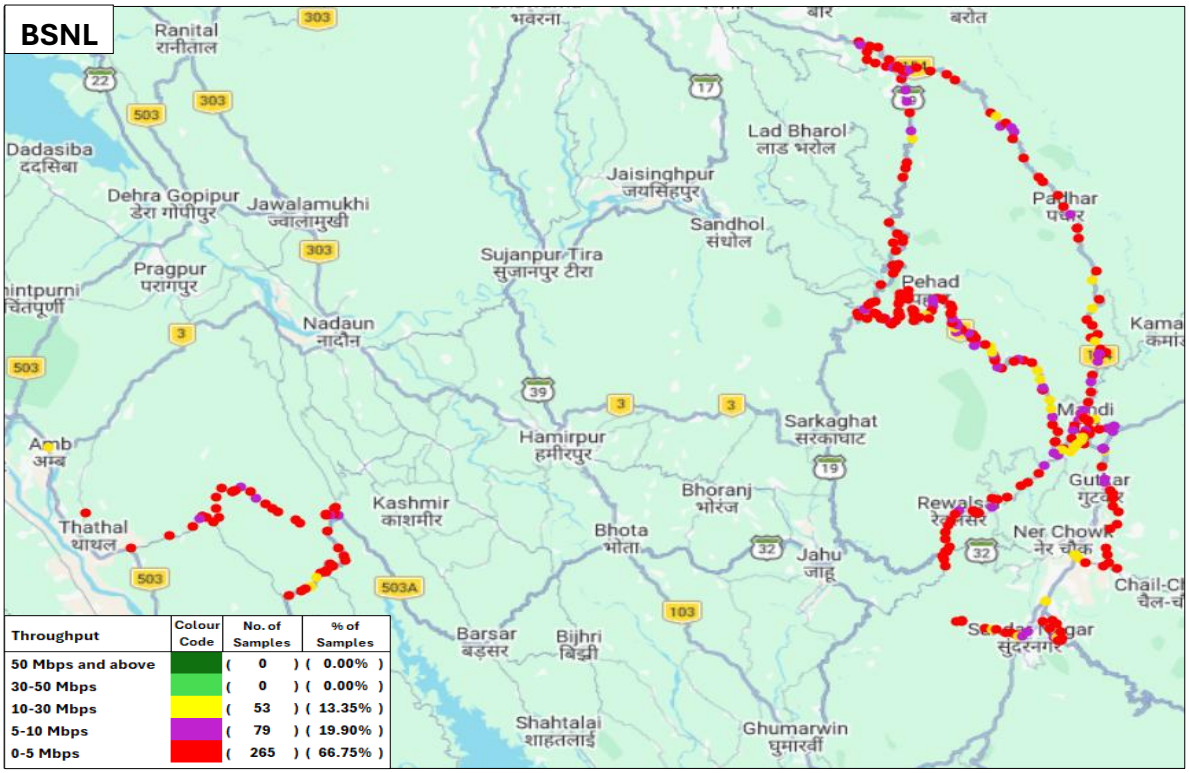
Note: Plot is based on Dynamic Drive Test results only**.**

(ii) Upload Throughput

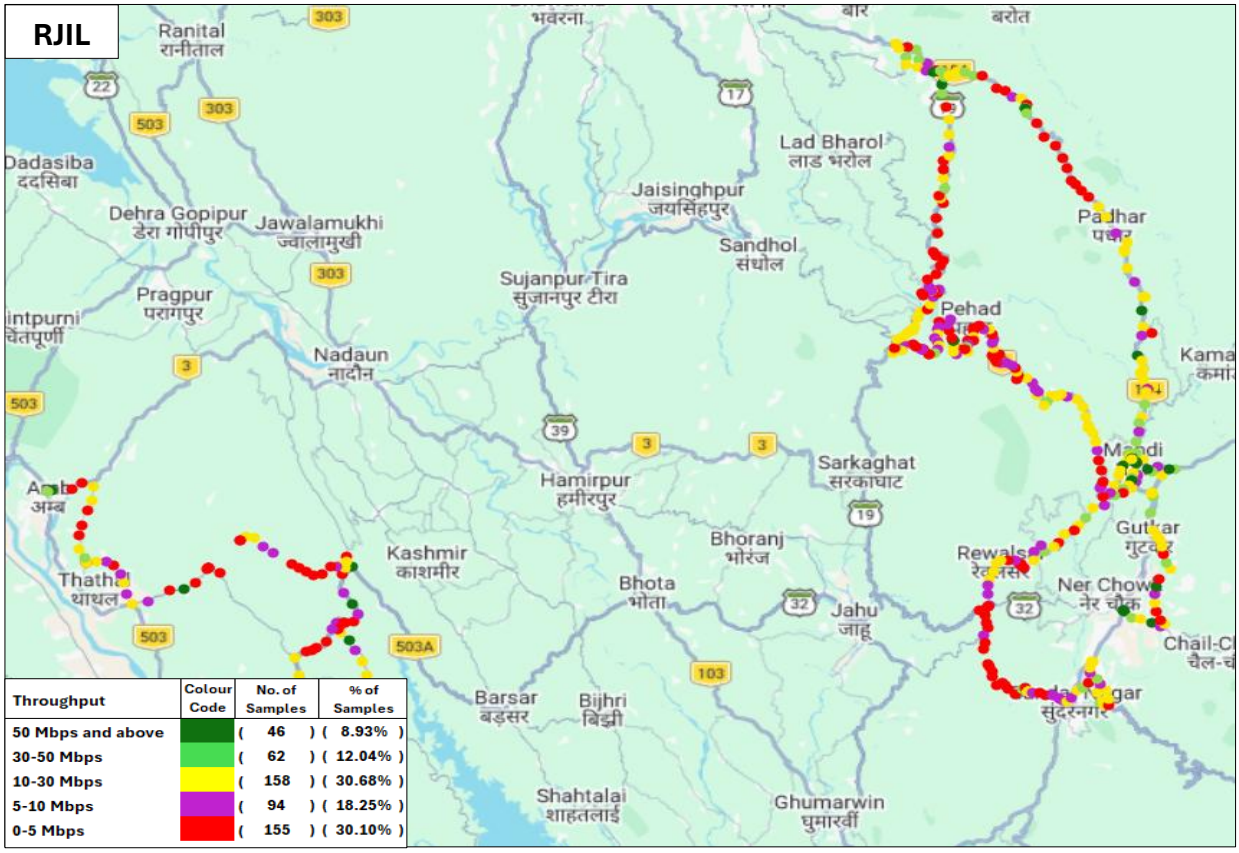
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Upload throughput declared by TSP	(Mbits/s)	10.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	13.44	4.57	18.01	5.45

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



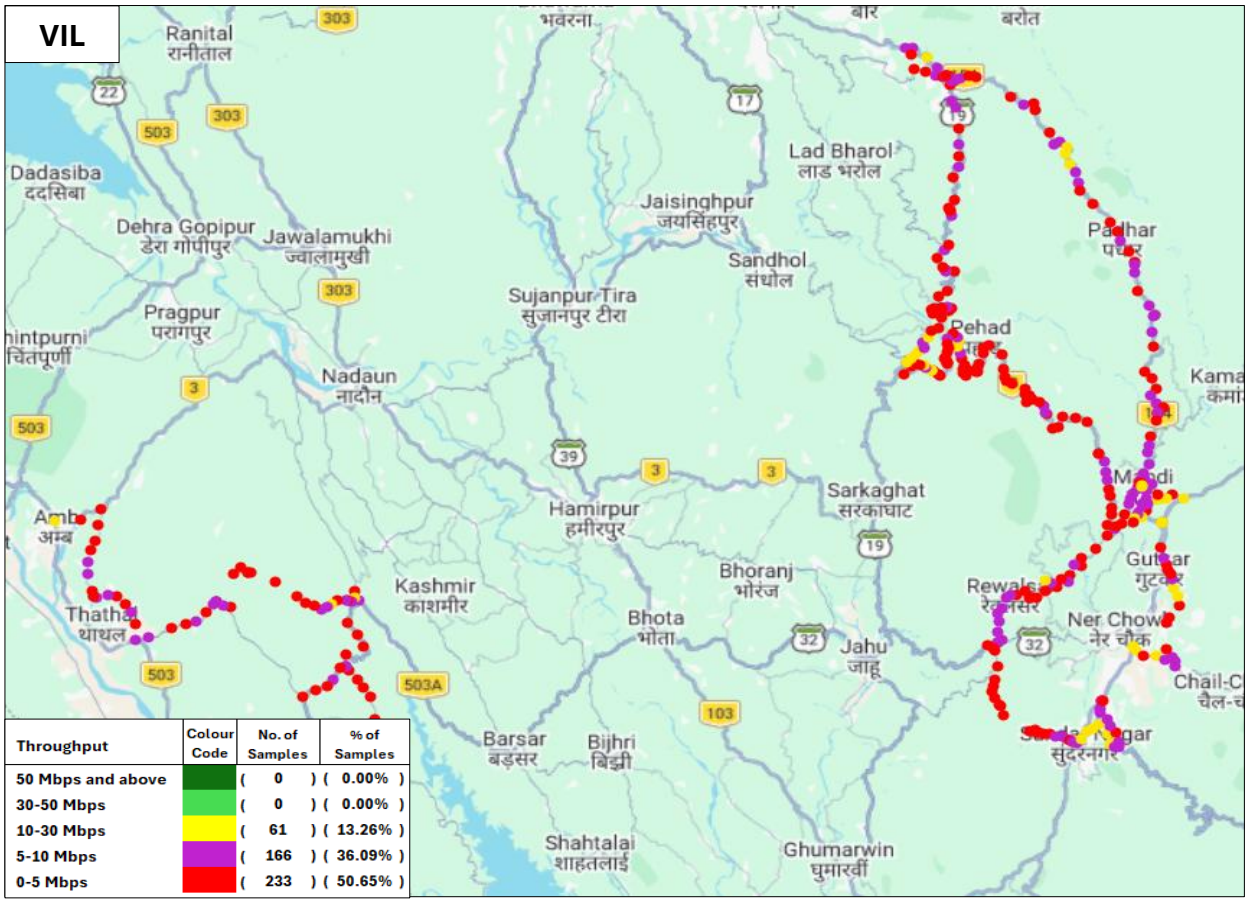


RJIL



Throughput	Colour Code	No. of Samples	% of Samples
50 Mbps and above		(46)	(8.93%)
30-50 Mbps		(62)	(12.04%)
10-30 Mbps		(158)	(30.68%)
5-10 Mbps		(94)	(18.25%)
0-5 Mbps		(155)	(30.10%)

VIL



Throughput	Colour Code	No. of Samples	% of Samples
50 Mbps and above		(0)	(0.00%)
30-50 Mbps		(0)	(0.00%)
10-30 Mbps		(61)	(13.26%)
5-10 Mbps		(166)	(36.09%)
0-5 Mbps		(233)	(50.65%)

Annexure – II

2. Una to Mandi Highway

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	13127	12473	12972	12923
Number of Samples having poor signal strength	387	3173	344	3206
Number of Samples having Limited Service (No Coverage)	12	170	0	119

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.

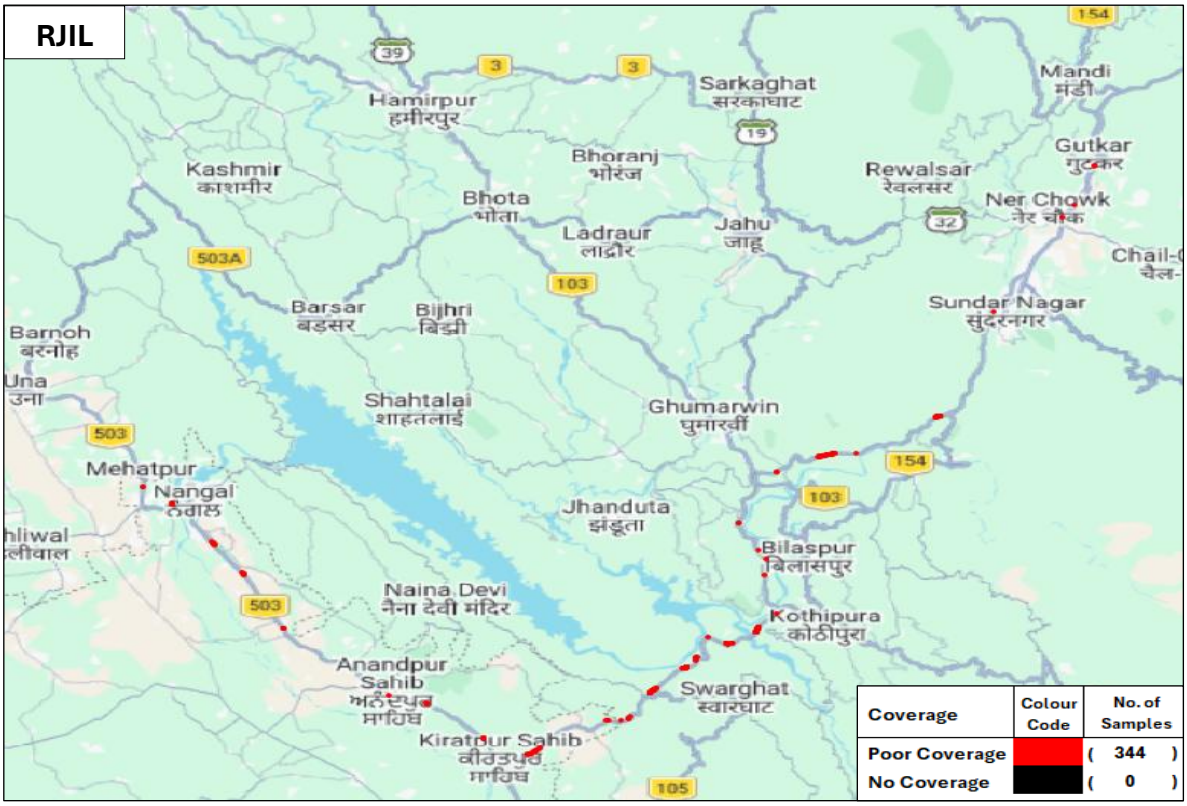
Coverage Gap observed

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





RJIL


Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Gutkar
गुटकर
Kashmir
काश्मीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Ner Chowk
नेर चौक
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिज्री
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
ठवाल
Jhanduta
झंडूता
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
आनंदपुर
साहिब
Swarghat
स्वारघाट
Kiratpur Sahib
कीरतपुर
साहिब
Coverage
Colour Code
No. of Samples
Poor Coverage
(344)
No Coverage
(0)

VIL

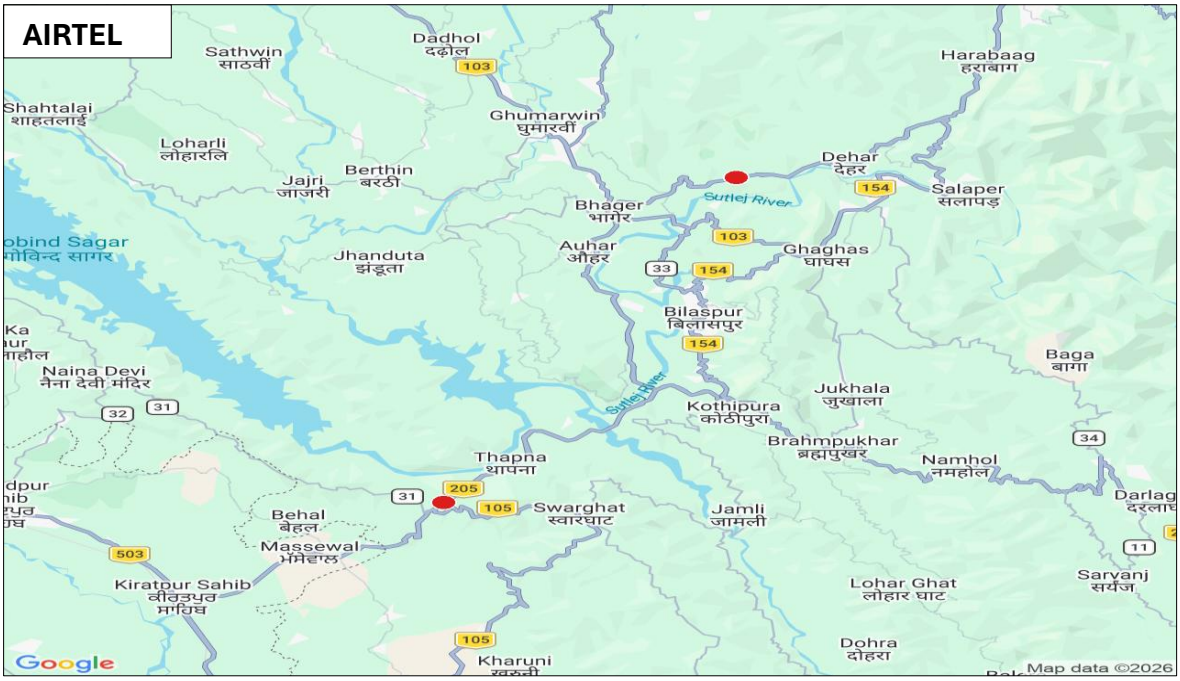

Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Gutkar
गुटकर
Kashmir
काश्मीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Ner Chowk
नेर चौक
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिज्री
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
ठवाल
Jhanduta
झंडूता
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
आनंदपुर
साहिब
Swarghat
स्वारघाट
Kiratpur Sahib
कीरतपुर
साहिब
Coverage
Colour Code
No. of Samples
Poor Coverage
(3206)
No Coverage
(119)

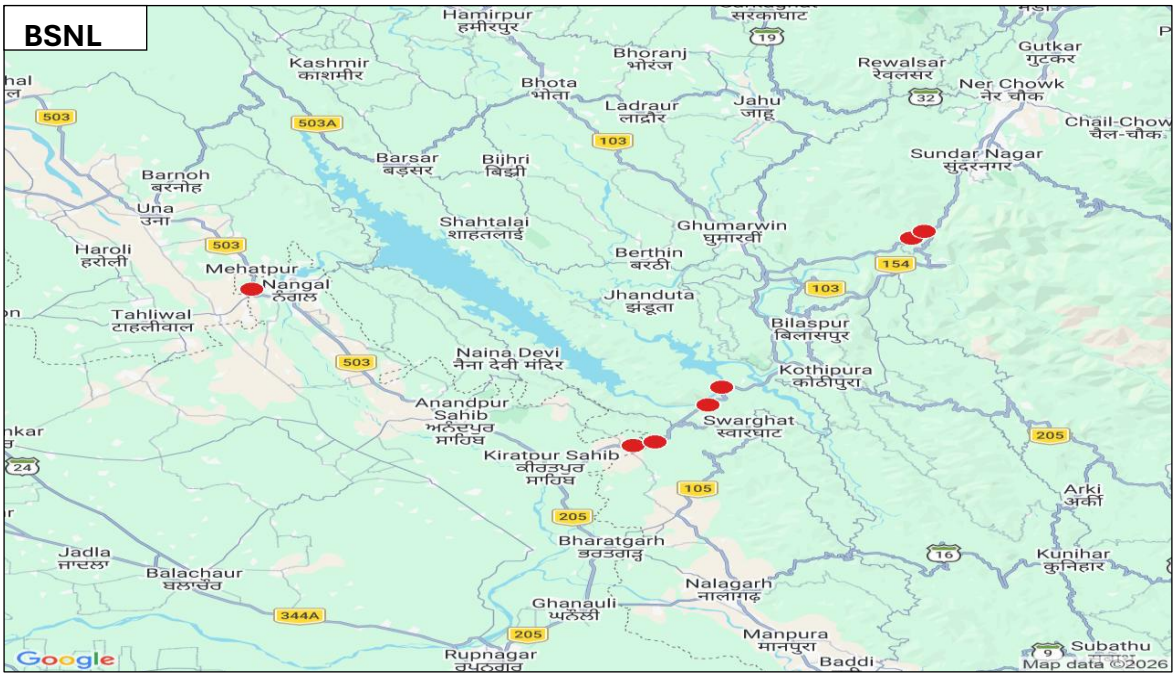
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	67	63	65	65
Number of dropped Calls	2	7	2	6

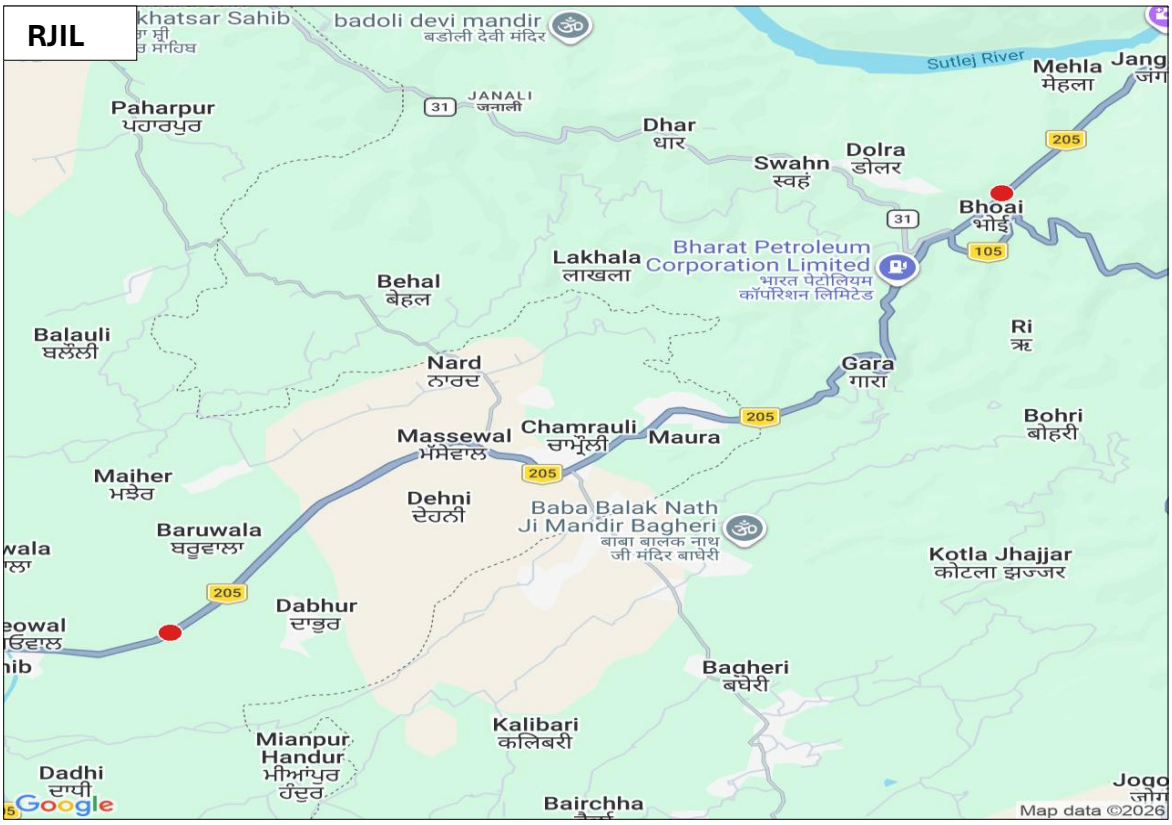
Locations of Dropped Calls

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.

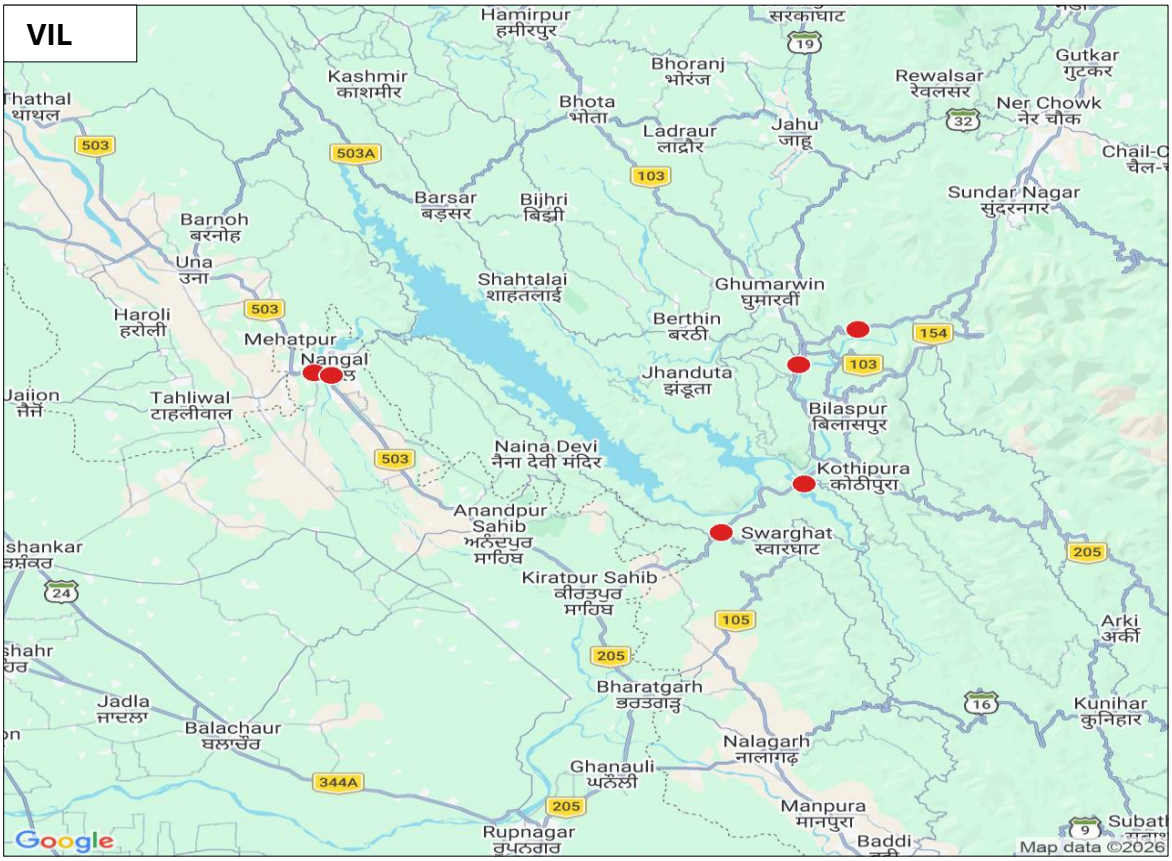




RJIL


badoli devi mandir
बडोली देवी मंदिर
Sutlej River
Mehla
मेहला
Paharpur
पहारपुर
JANALI
जनाली
Dhar
धार
Swahn
स्वहं
Dolra
डोलर
Bhoai
भोई
Bharat Petroleum
Corporation Limited
भारत पेटोलियम
कॉर्पोरेशन लिमिटेड
Lakhala
लाखला
Behal
बेहल
Balauli
बलौली
Nard
नारद
Gara
गारा
Massewal
मस्सेवाल
Chamrauli
चाम्रौली
Maura
Bohri
बोहरी
Maiher
मइेर
Dehni
देहनी
Baba Balak Nath
Ji Mandir Bagheri
बाबा बालक नाथ
जी मंदिर बाघेरी
Baruwala
बरुवाला
Kotla Jhajjar
कोटला झज्जर
Dabhur
दाभुर
Bagheri
बघेरी
Kalibari
कलिबरी
Mianpur
Handur
मीआंपुर
हंदुर
Dadhi
दाधी
Bairchha
Google
Map data ©2026

VIL

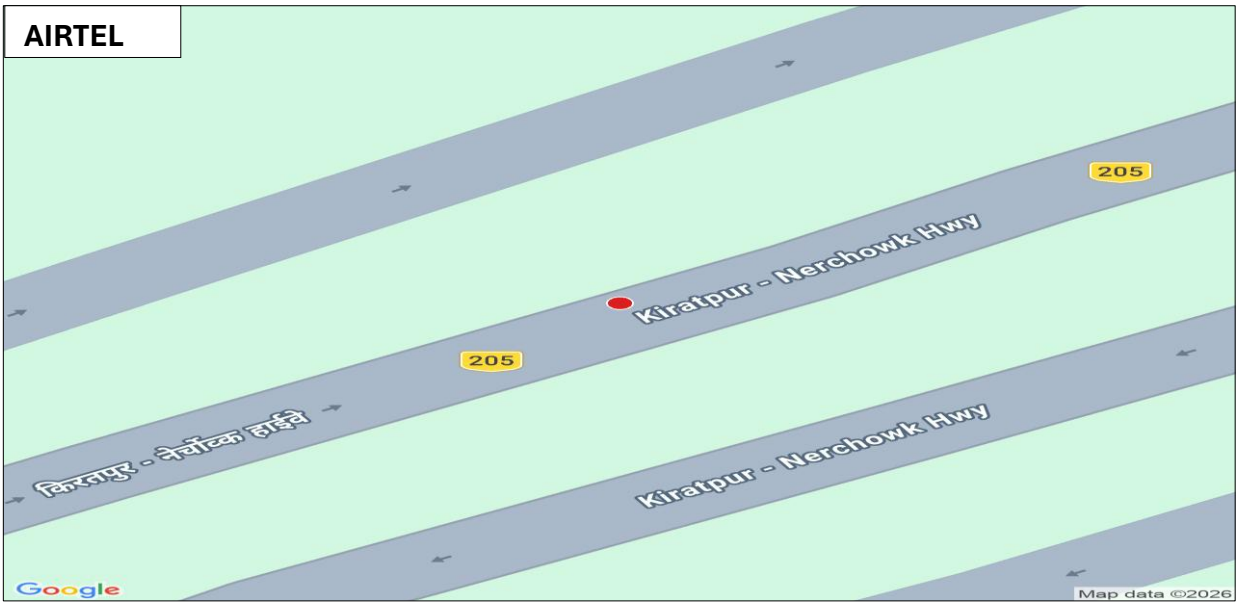

Hamirpur
हमीरपुर
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Gutkar
गुटकर
Ner Chowk
नेर चौक
Thathal
थाथल
Bhota
भोता
Ladraur
लाद्रौर
Jahu
जाहू
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
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Una
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Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Haroli
हरोली
Berthin
बरठी
Mehatpur
Nangal
Jhanduta
झंडूता
Tahliwal
टाहलीवाल
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
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कोठीपुरा
Anandpur
Sahib
अनंदपुर
साहिब
Swarghat
स्वारघाट
Kiratpur Sahib
कीरतपुर
साहिब
Arki
अर्की
Jadla
जादला
Balachaur
बलाचौर
Bharatgarh
भरतगढ़
Kunihar
कुनिहार
Nalagarh
नालागढ़
Ghanauli
घनौली
Manpura
मानपुरा
Rupnagar
रूपनगर
Baddi
Google
Map data ©2026

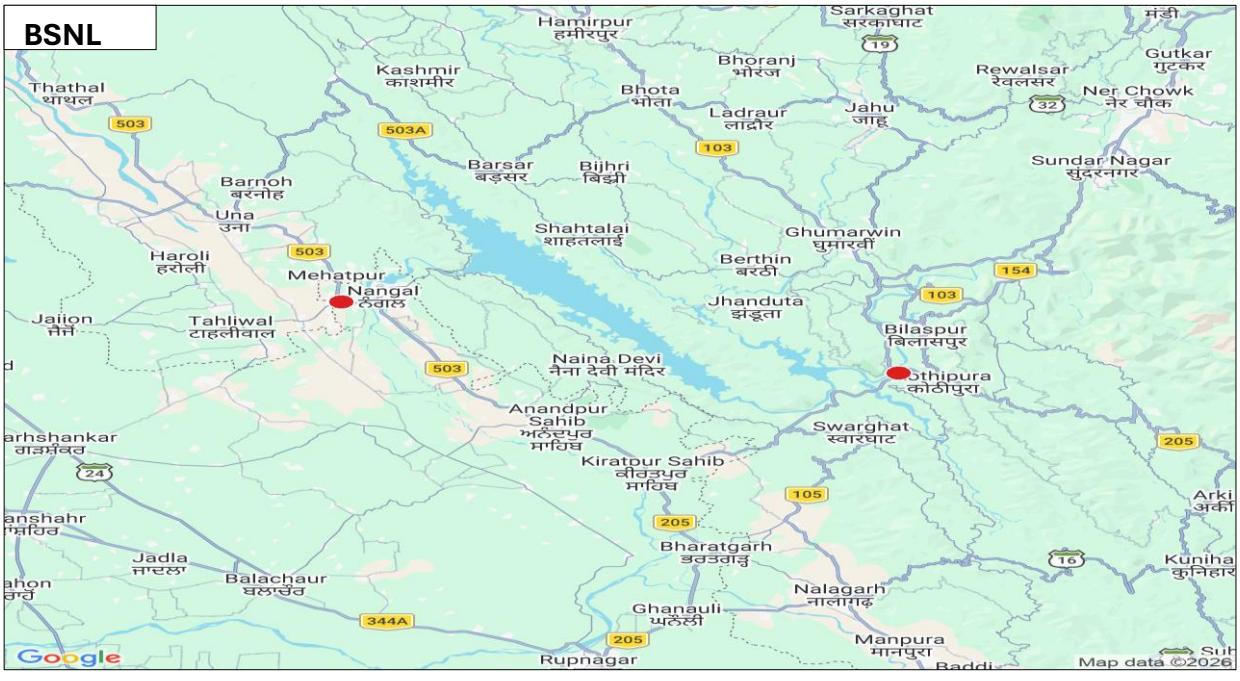
c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:-

Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	66	61	65	64
Number of silences calls for >3 Sec	1	2	2	2
Total number of silence instances for >3 Sec	1	2	4	2

Locations of Call Silence Instance

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





RJIL


Toll Tax barrier-
Himachal Entry Barrier
टोल टैक्स बैरियर-
हिमाचल एंट्री बैरियर
GHS Gara Moura
जीएचएस गर मोरा
Factory Road
फैक्ट्री रोड
205
Google
Map data ©2026

VIL


Sathwin
साठवीं
Dadhol
दढ़ोल
103
Govind
Sagar Jheel
गोविंद
सागर झील
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Loharli
लोहारलि
Berthin
बरठी
Jajri
जाजरी
Mehatpur
Bhager
भागेर
Nangal
Gobind Sagar
गोविन्द सागर
Jhanduta
झंडूता
Auhar
औहर
33
31
503
Guru-Ka
-Lahaur
गुरु-का लाहौल
Daroli
डरोली
Sutlej River
Naina Devi
नैना देवी मंदिर
32
Surewal
सुरेवाल
Bhalan
भलां
Dher
ढेर
Thapna
थापना
Kahanpur
कहनपुर
55
Anandpur
Sahib
आनंदपुर
साहिब
205
105
Swarghat
स्वारघाट
Behal
बेहल
Massewal
मस्सेवाल
Dumewal
दुमेवाल
Kiratpur Sahib
कीरतपुर
साहिब
Nurpur Bedi
नूरपुर
बेदी
Kharuni
खरुनी
Google
Map data ©2026

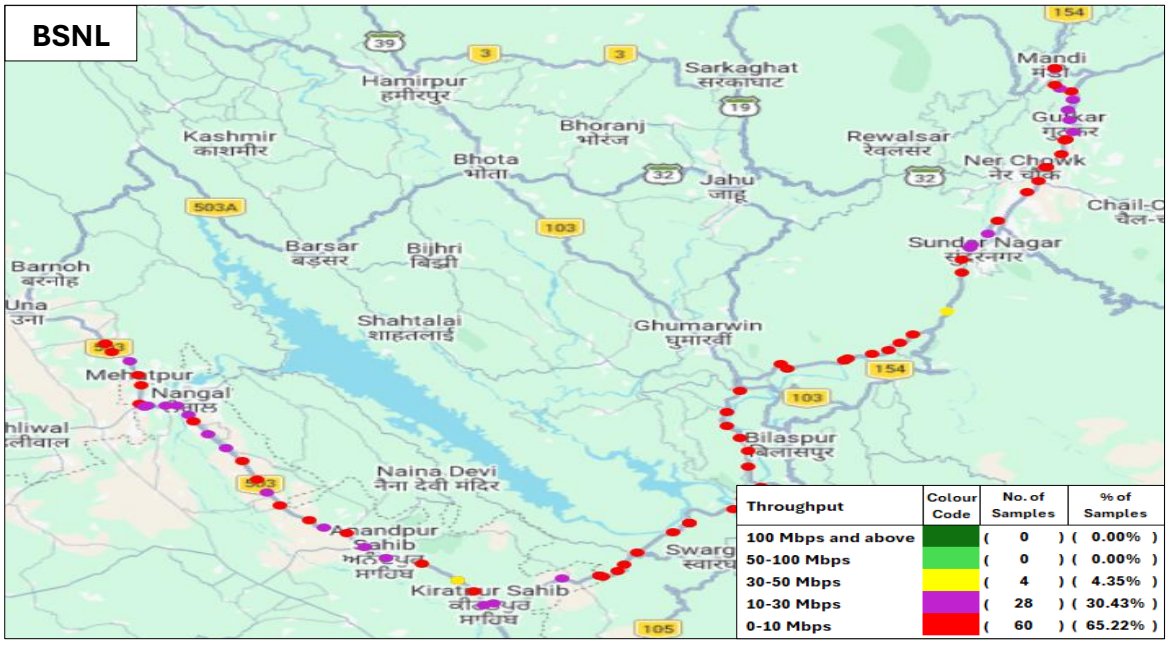
d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below:-

(i) Download Throughput

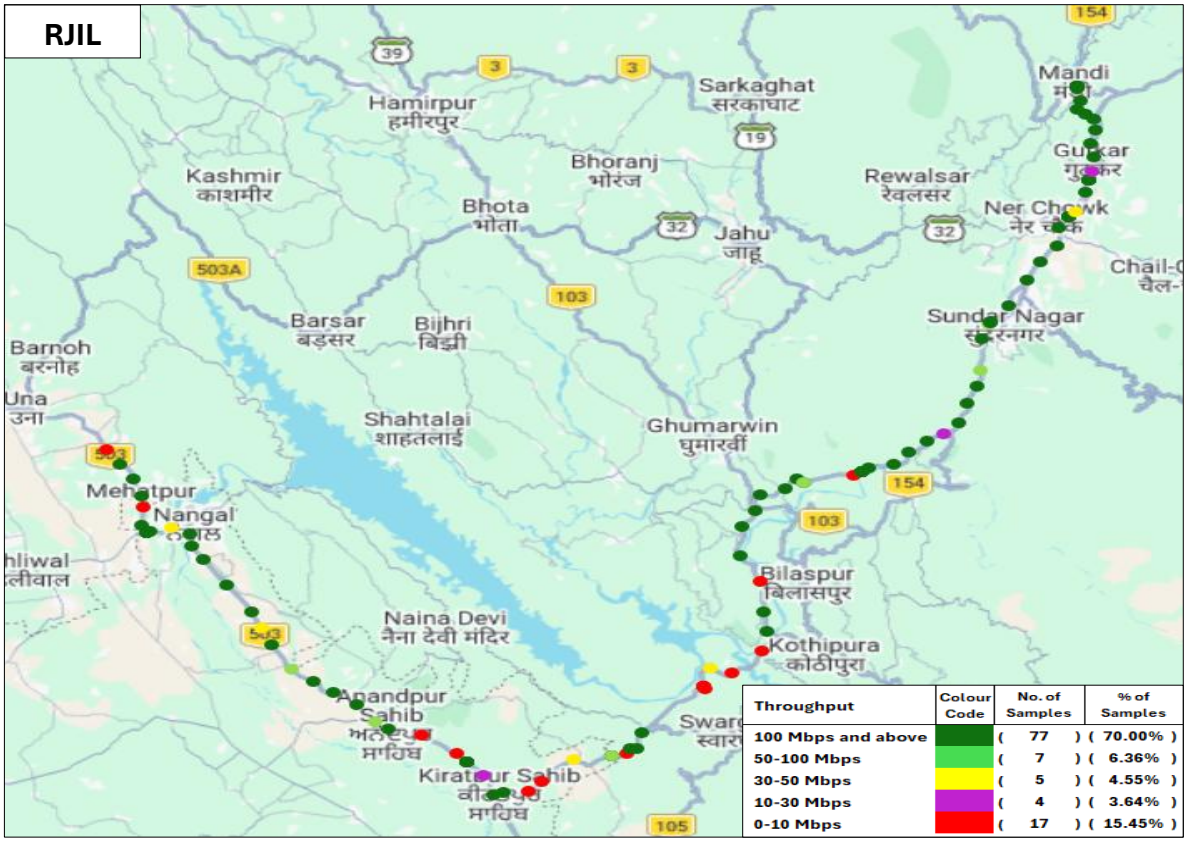
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Download throughput declared by TSP	(Mbits/s)	23.00	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	169.31	9.32	193.46	10.36

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

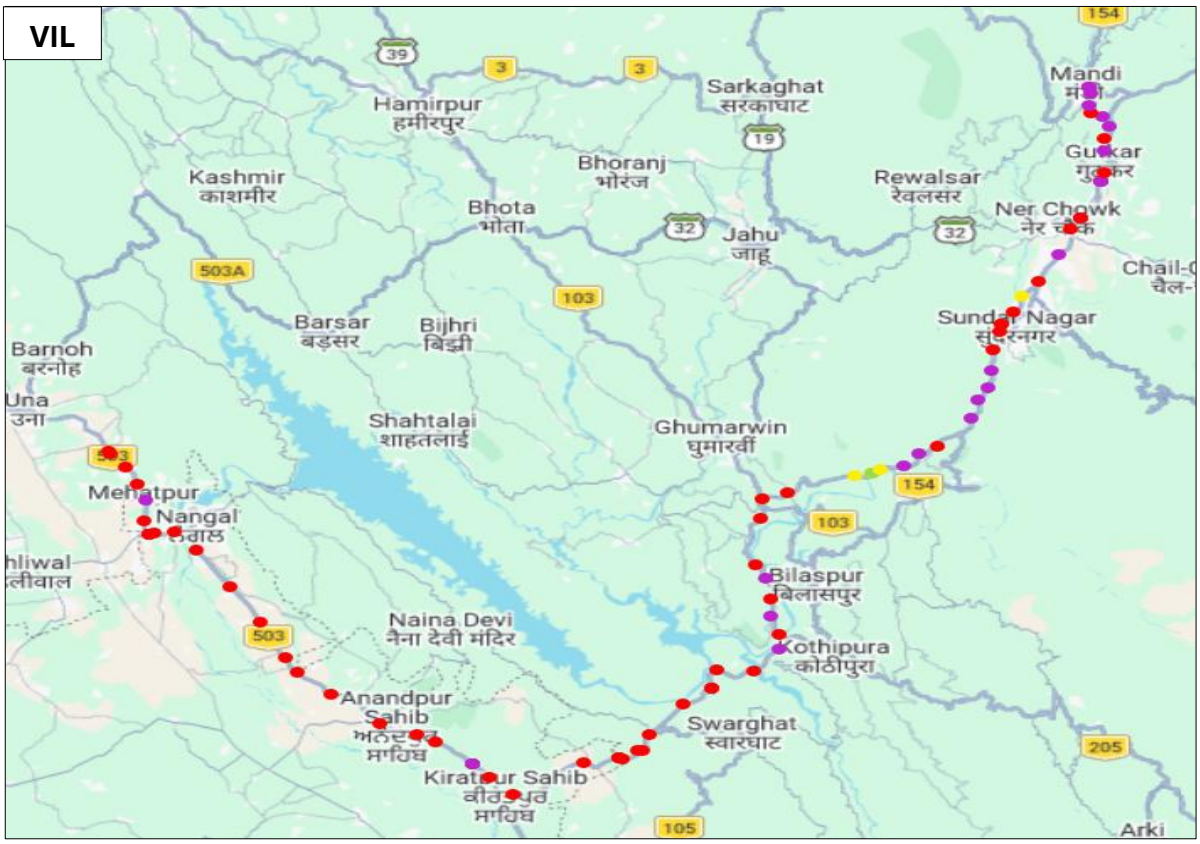




RJIL


Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bhota
भोता
Jahu
जाहू
Ner Chowk
नेर चौक
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
Kiratpur Sahib
Throughput
Colour Code
No. of Samples
% of Samples
100 Mbps and above (77) (70.00%)
50-100 Mbps (7) (6.36%)
30-50 Mbps (5) (4.55%)
10-30 Mbps (4) (3.64%)
0-10 Mbps (17) (15.45%)

VIL


Hamirpur
हमीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bhota
भोता
Jahu
जाहू
Ner Chowk
नेर चौक
Barsar
बड़सर
Bijhri
बिझी
Sundar Nagar
सुंदरनगर
Barnoh
बरनोह
Una
उना
Shahtalai
शाहतलाई
Ghumarwin
घुमारवीं
Mehatpur
Nangal
Bilaspur
बिलासपुर
Naina Devi
नैना देवी मंदिर
Kothipura
कोठीपुरा
Anandpur
Sahib
Swarghat
स्वारघाट
Kiratpur Sahib
Arki

(ii) Upload Throughput

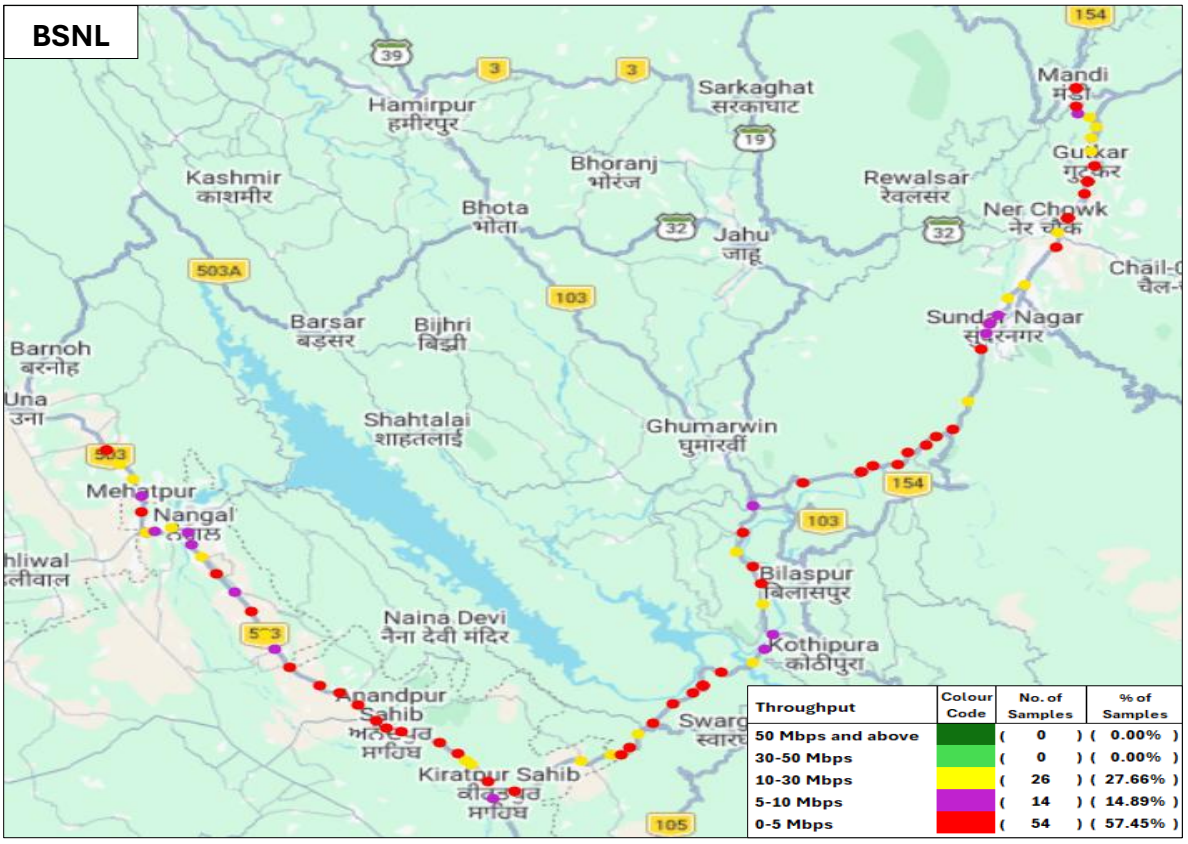
Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Upload throughput declared by TSP	(Mbits/s)	10.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	15.54	6.29	21.43	5.30

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

AIRTEL



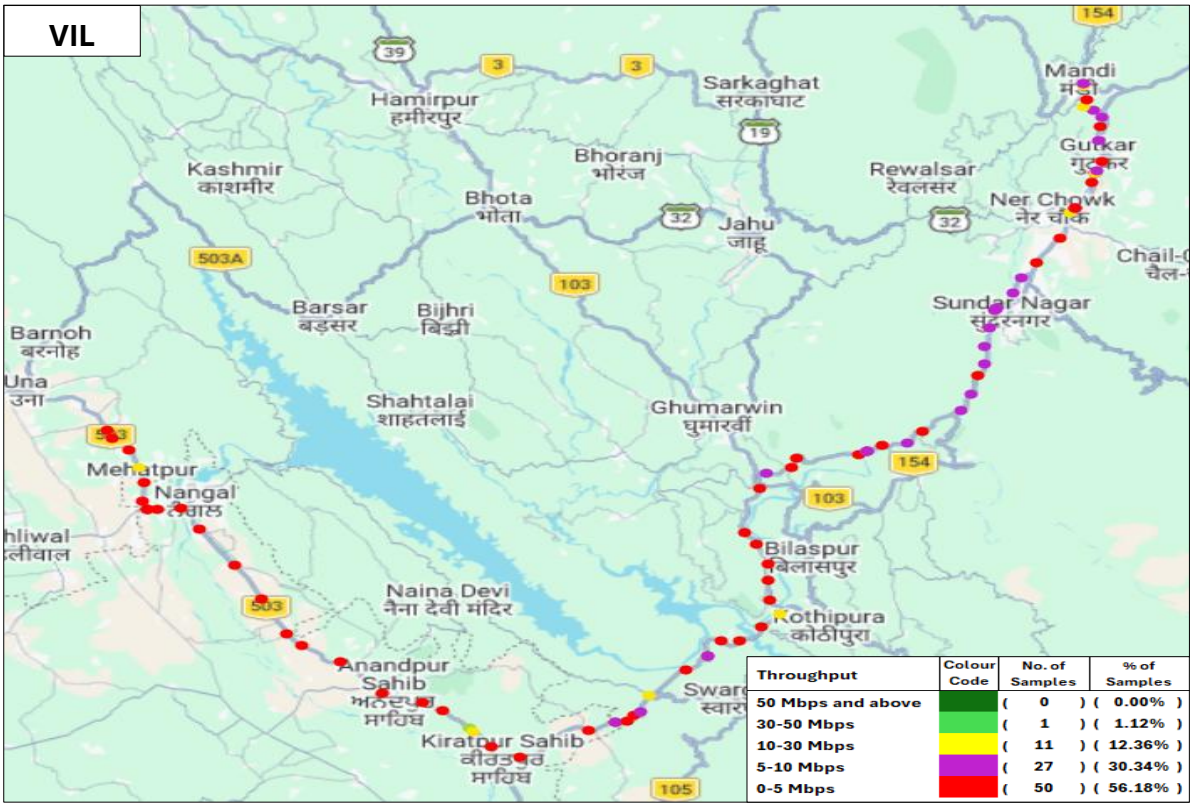
BSNL



RJIL



VIL



Throughput	Colour Code	No. of Samples	% of Samples
50 Mbps and above		(0)	(0.00%)
30-50 Mbps		(1)	(1.12%)
10-30 Mbps		(11)	(12.36%)
5-10 Mbps		(27)	(30.34%)
0-5 Mbps		(50)	(56.18%)

Annexure – III

3. Mandi to Una Highway:-

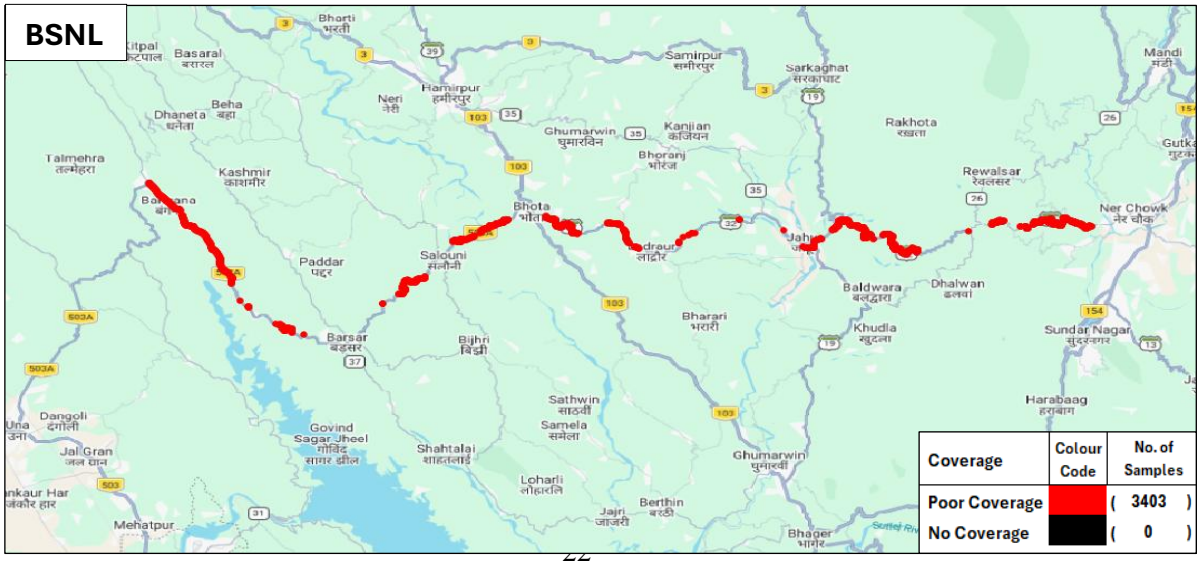
a) Coverage Gap – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below:-

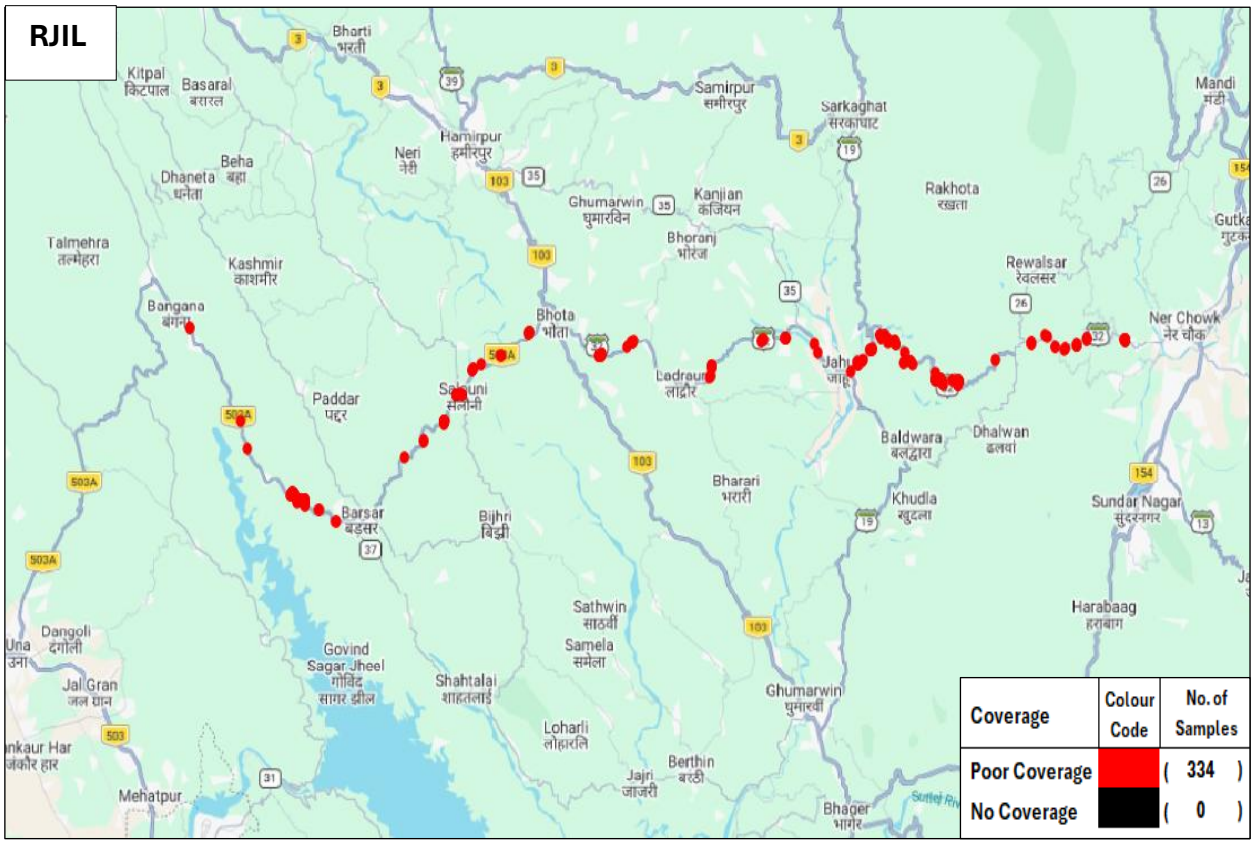
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	12455	12632	11892	12200
Number of Samples having poor signal strength	396	3403	334	2466
Number of Samples having Limited Service (No Coverage)	0	0	0	62

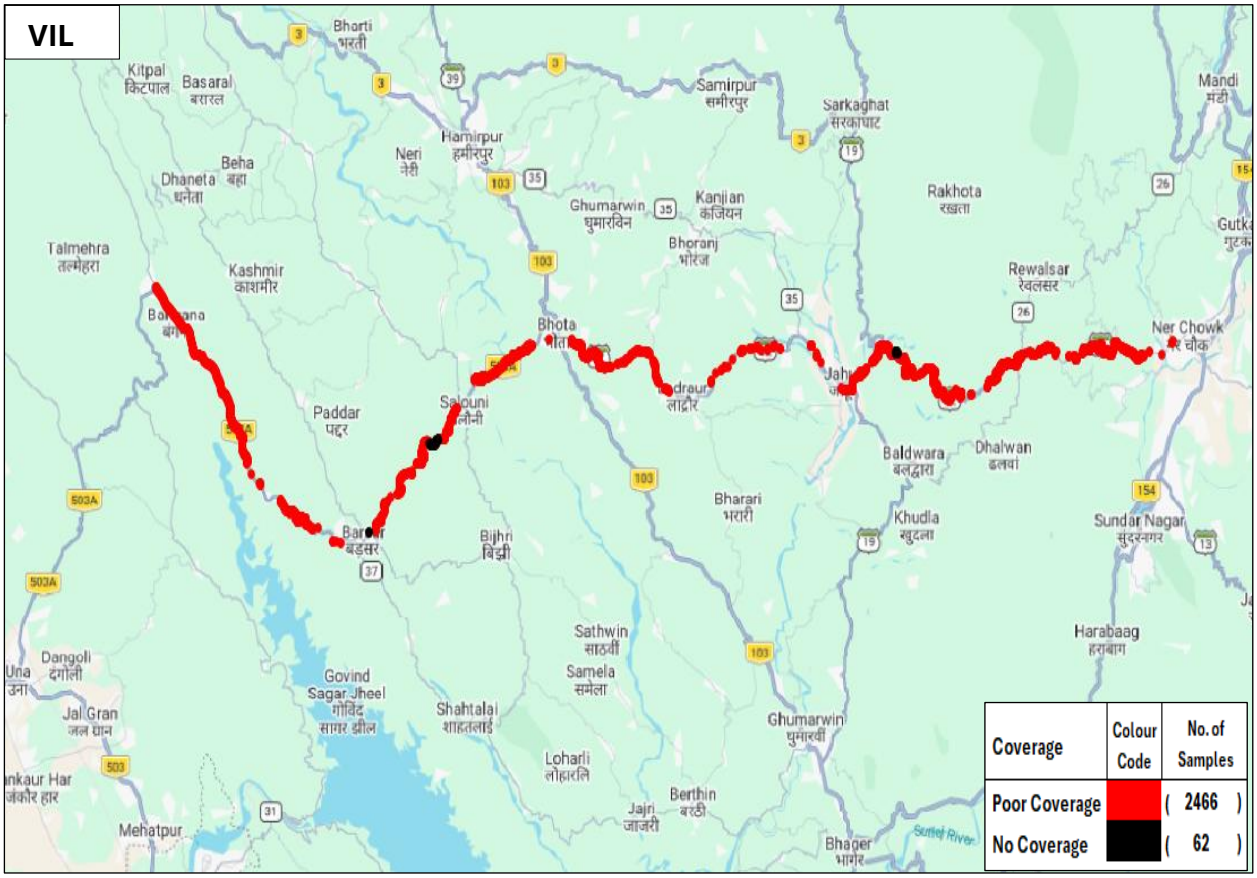
Note: Signal strength has been considered poor if it falls below −110 dBm for 5G & 4G, −90 dBm for 3G, and −85 dBm for 2G.

Coverage Gap observed






RJIL
Bharti
भरती
Kitpal
किटपाल
Basaral
बरारल
Samirpur
समीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Hamirpur
हमीरपुर
Neri
नेरी
Beha
बहा
Dhaneta
धनेता
Ghumarwin
घुमारविन
Kanjian
कंजियन
Rakhota
रखता
Talmehra
तल्मेहरा
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bangana
बंगना
Bhota
भोता
Ner Chowk
नेर चौक
Ladraur
लाद्रौर
Paddar
पद्दर
Baldwara
बलद्वारा
Dhalwan
ढलवां
Barsar
बड़सर
Bijhri
बिझी
Bharari
भरारी
Khudla
खुदला
Sundar Nagar
सुंदरनगर
Harabaag
हराबाग
Sathwin
साठवीं
Samela
समेला
Dangoli
दंगोली
Una
ऊना
Govind
Sagar Jheel
गोविंद
सागर झील
Shahtalai
शाहतलाई
Jal Gran
जल ग्रान
Ghumarwin
घुमारवीं
Loharli
लोहारली
Berthin
बरठी
Jajri
जाजरी
Mehatpur
Bhager
भागर
Coverage
Colour Code
No. of Samples
Poor Coverage (334)
No Coverage (0)

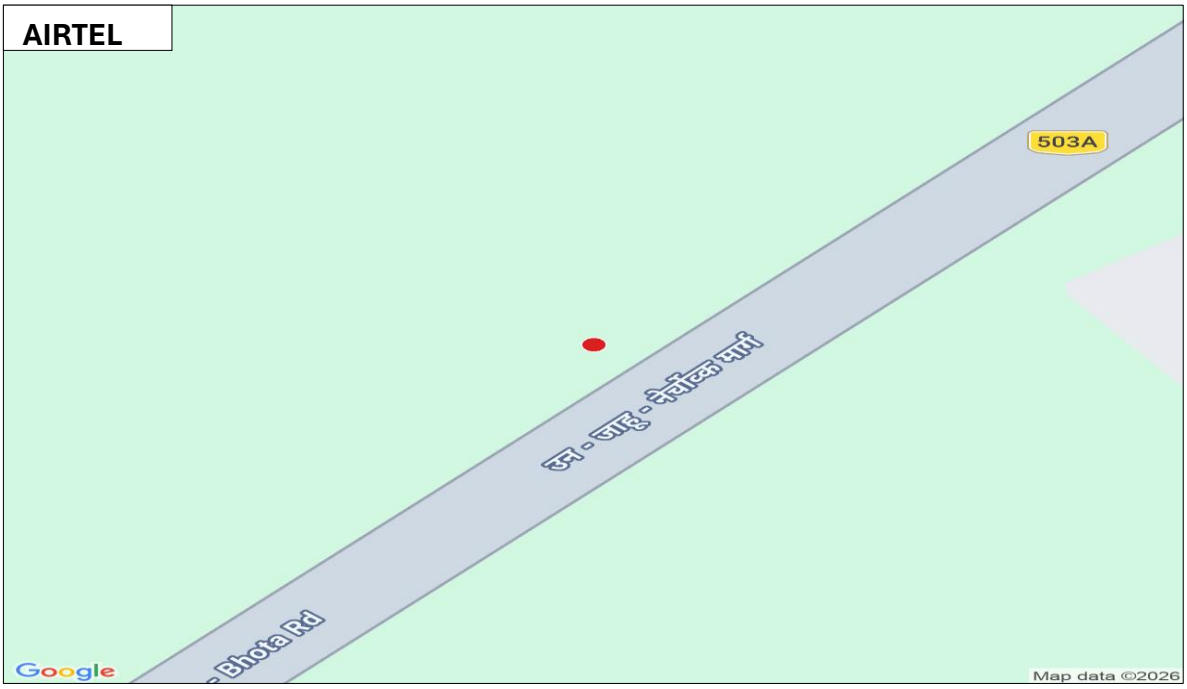

VIL
Bharti
भरती
Kitpal
किटपाल
Basaral
बरारल
Samirpur
समीरपुर
Sarkaghat
सरकाघाट
Mandi
मंडी
Hamirpur
हमीरपुर
Neri
नेरी
Beha
बहा
Dhaneta
धनेता
Ghumarwin
घुमारविन
Kanjian
कंजियन
Rakhota
रखता
Talmehra
तल्मेहरा
Kashmir
काशमीर
Bhoranj
भोरंज
Rewalsar
रेवलसर
Bhota
भोता
Ner Chowk
नेर चौक
Paddar
पद्दर
Baldwara
बलद्वारा
Dhalwan
ढलवां
Bharari
भरारी
Khudla
खुदला
Sundar Nagar
सुंदरनगर
Bijhri
बिझी
Harabaag
हराबाग
Sathwin
साठवीं
Samela
समेला
Dangoli
दंगोली
Una
ऊना
Govind
Sagar Jheel
गोविंद
सागर झील
Shahtalai
शाहतलाई
Jal Gran
जल ग्रान
Ghumarwin
घुमारवीं
Loharli
लोहारली
Berthin
बरठी
Jajri
जाजरी
Mehatpur
Bhager
भागर
Coverage
Colour Code
No. of Samples
Poor Coverage (2466)
No Coverage (62)

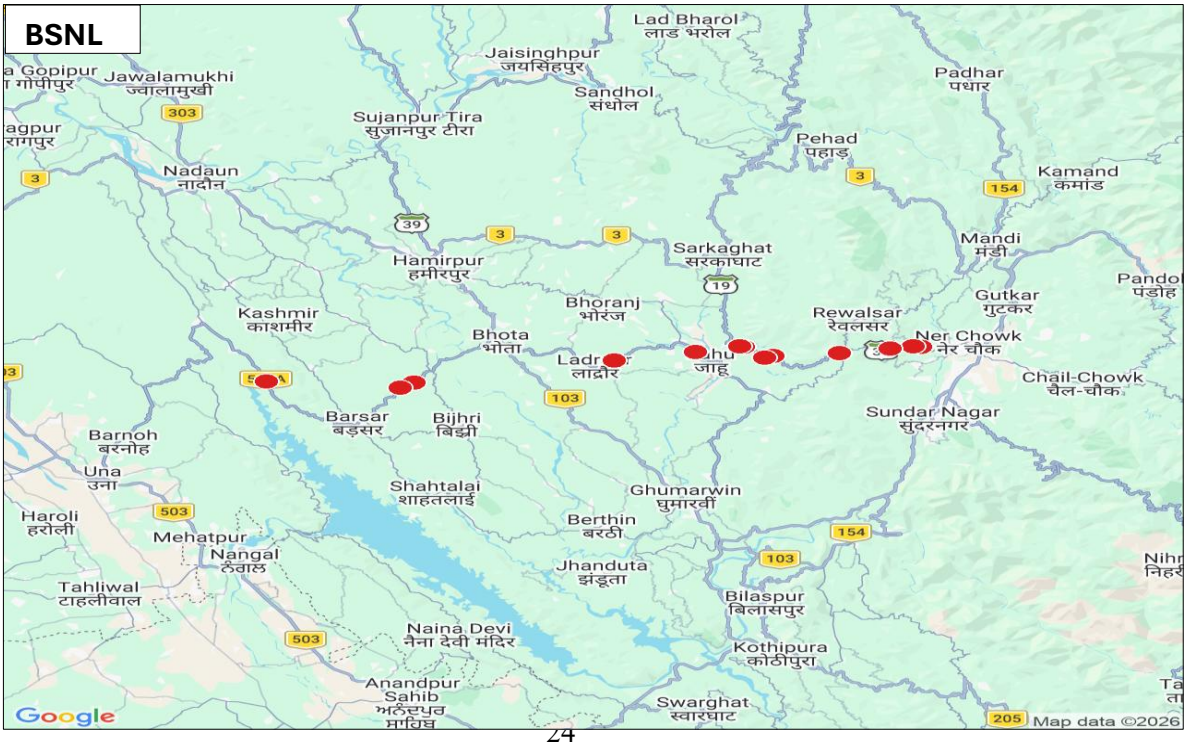
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:-

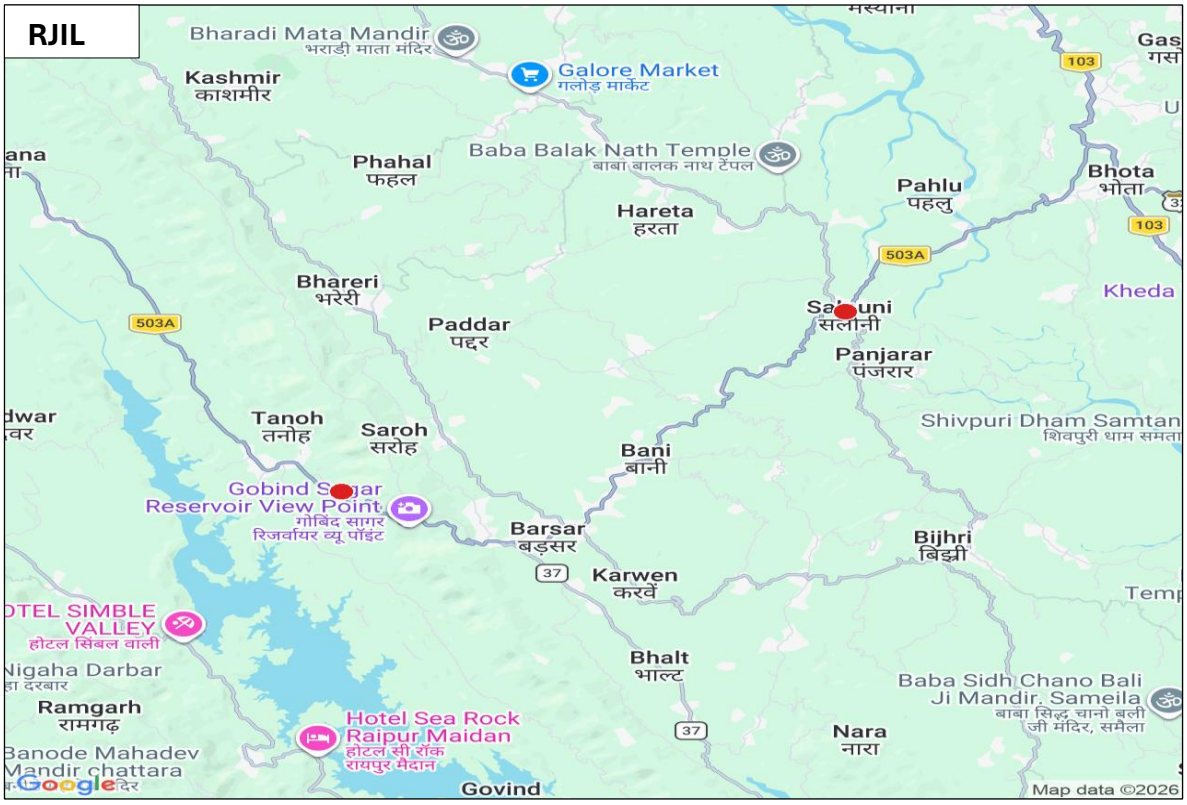
Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	62	67	61	61
Number of dropped Calls	1	13	2	3

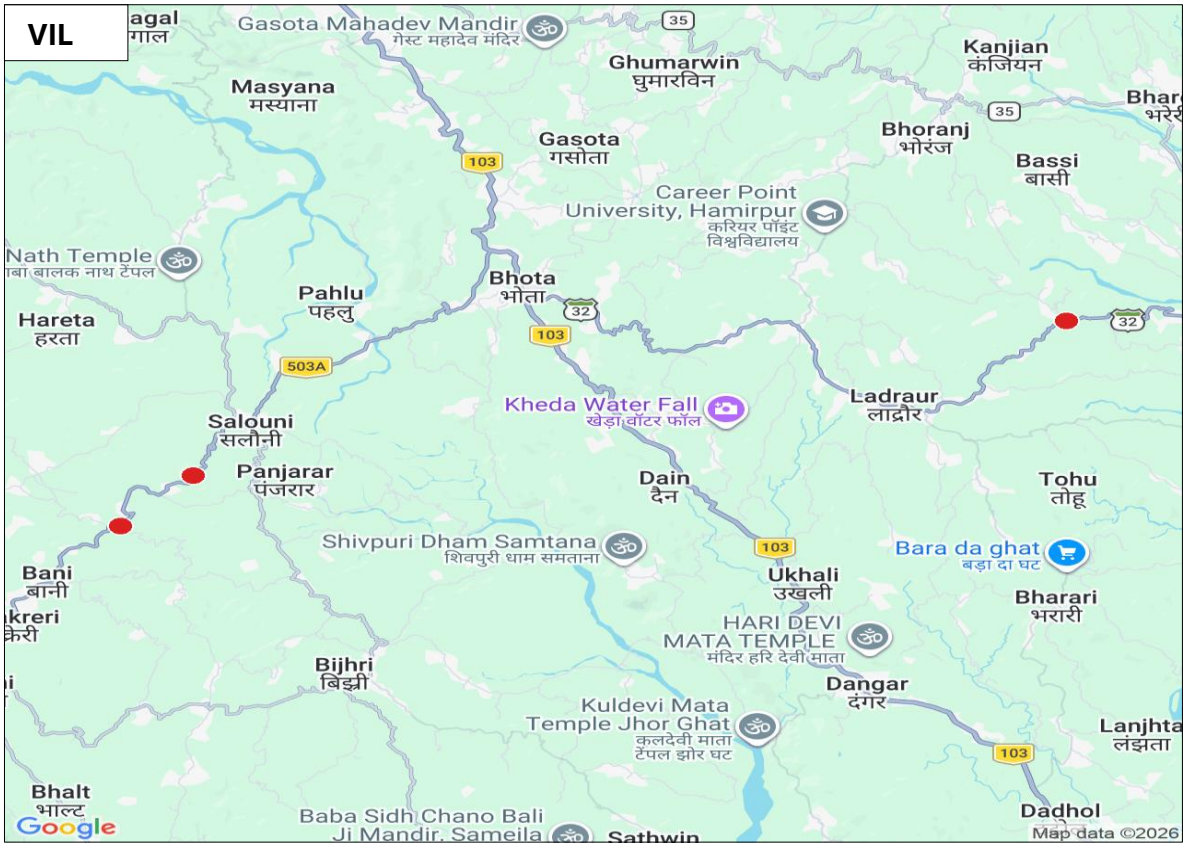
Locations of Dropped Calls

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.






RJIL
Bharadi Mata Mandir
भराड़ी माता मंदिर
Galore Market
गलोड़ मार्केट
Kashmir
काशमीर
Phahal
फहल
Baba Balak Nath Temple
बाबा बालक नाथ टेंपल
Hareta
हरता
Pahlu
पहलु
Bhota
भोता
Bhareri
भरेरी
503A
Paddar
पद्दर
Kheda
Panjarar
पंजरार
Tanoh
तनोह
Saroh
सरोह
Shivpuri Dham Samtan
शिवपुरी धाम समता
Bani
बानी
Gobind Sagar
Reservoir View Point
गोबिंद सागर
रिजर्वायर व्यू पॉइंट
Barsar
बड़सर
Bijhri
बिझी
37
Karwen
करवें
Bhalt
भाल्ट
Ramgarh
रामगढ़
Hotel Sea Rock
Raipur Maidan
होटल सी रॉक
रायपुर मैदान
Baba Sidh Chano Bali
Ji Mandir, Sameila
बाबा सिद्ध चानो बली
जी मंदिर, समैला
Nara
नारा
Govind
Map data ©2026

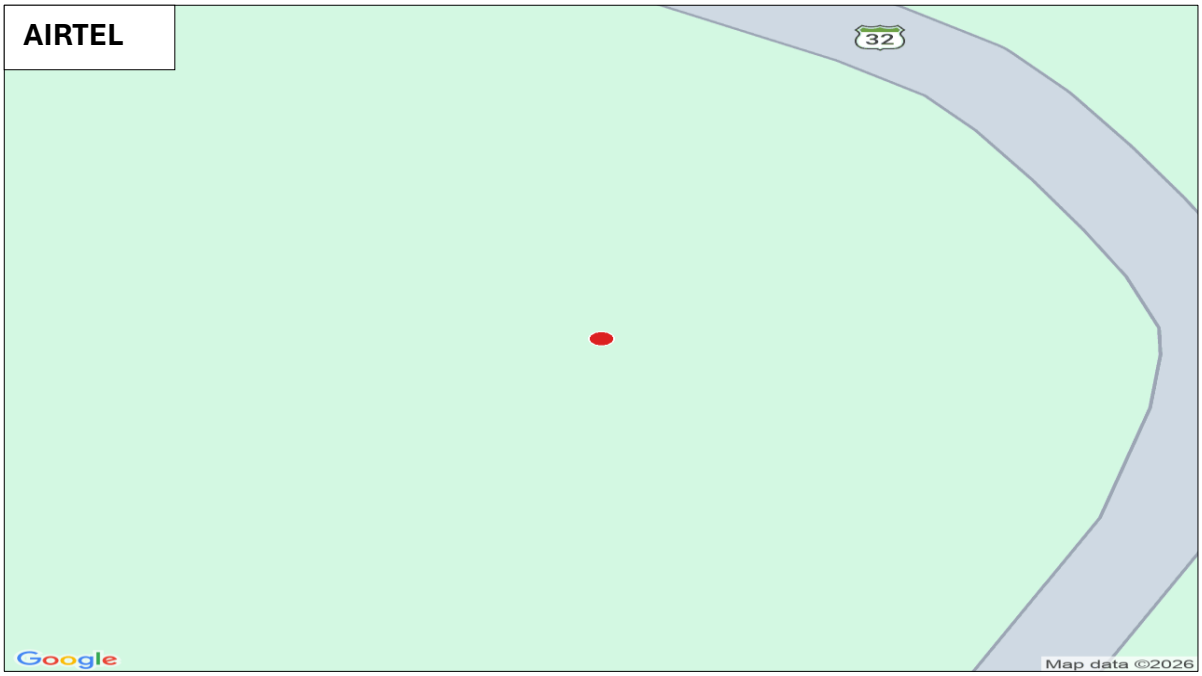

VIL
Gasota Mahadev Mandir
गेस्ट महादेव मंदिर
Ghumarwin
घुमारविन
Kanjian
कंजियन
Masyana
मस्याना
Bhoranj
भोरंज
Gasota
गसोता
Bassi
बासी
Career Point
University, Hamirpur
करियर पॉइंट
विश्वविद्यालय
Pahlu
पहलु
Bhota
भोता
Hareta
हरता
503A
Kheda Water Fall
खेड़ा वॉटर फॉल
Ladraur
लाद्रौर
Salouni
सलौनी
Panjarar
पंजरार
Dain
दैन
Tohu
तोहू
Shivpuri Dham Samtana
शिवपुरी धाम समताना
Bara da ghat
बड़ा दा घट
Bani
बानी
Ukhali
उखली
Bharari
भरारी
HARI DEVI
MATA TEMPLE
मंदिर हरि देवी माता
Bijhri
बिझी
Dangar
दंगर
Kuldevi Mata
Temple Jhor Ghat
कुलदेवी माता
टेंपल झोर घट
Lanjhta
लंझता
Bhalt
भाल्ट
Baba Sidh Chano Bali
Ji Mandir, Sameila
Dadhol
Map data ©2026

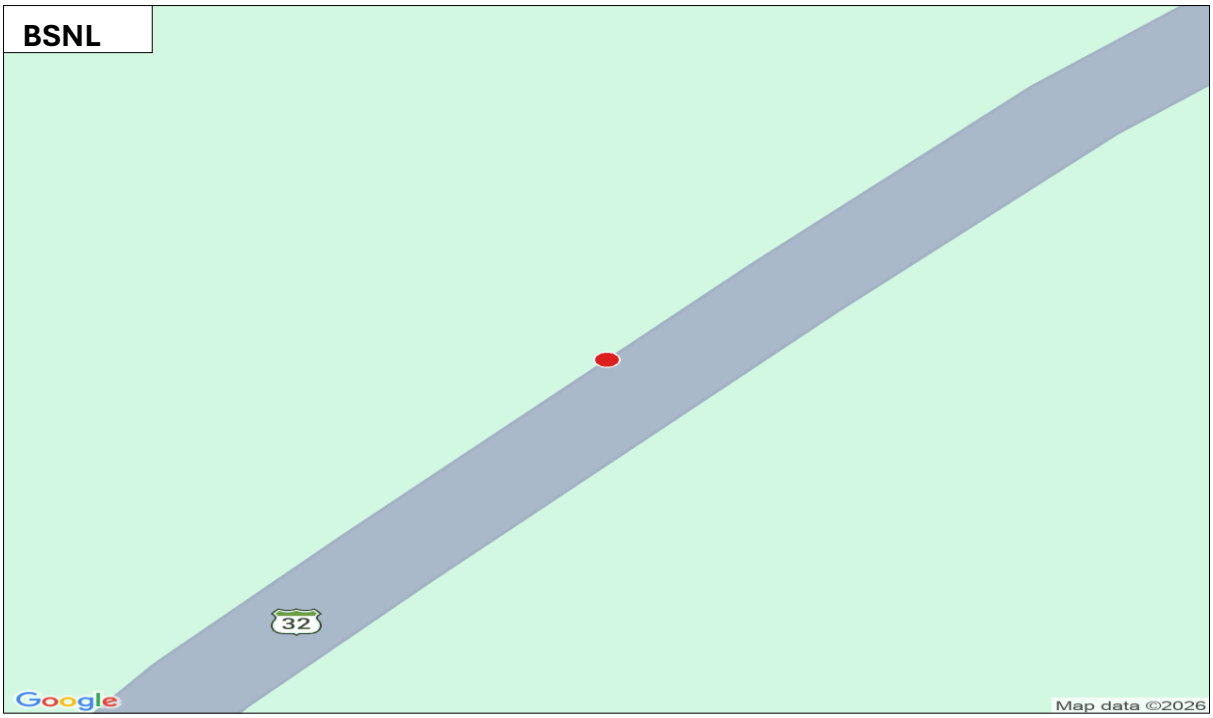
c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:-

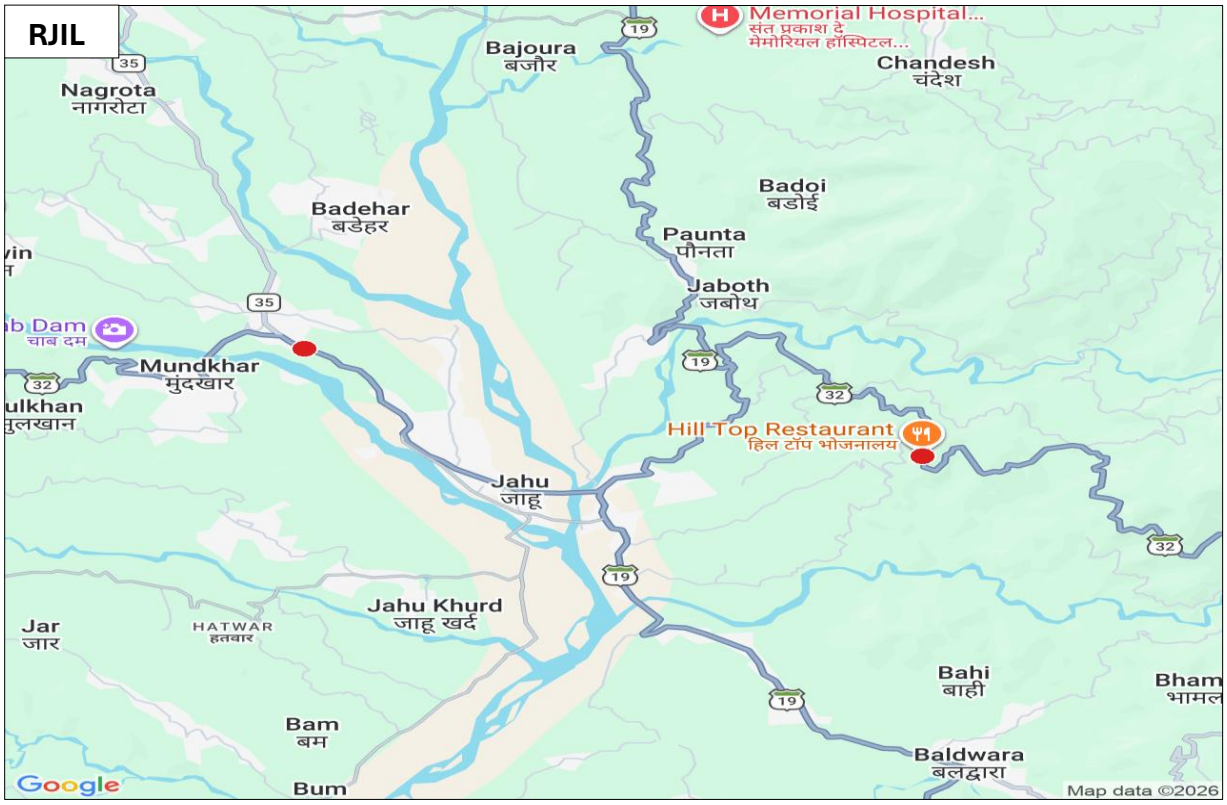
Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	60	58	60	61
Number of silences calls for >3 Sec	1	1	2	0
Total number of silence instances for >3 Sec	1	1	2	0

Locations of Call Silence Instance

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



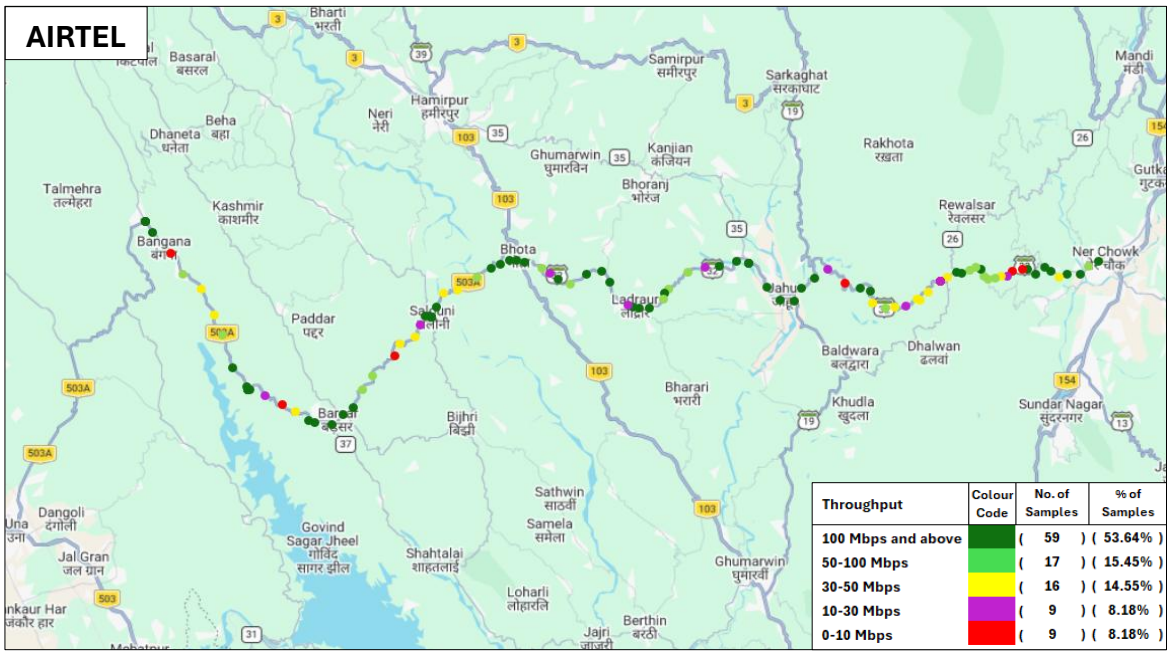




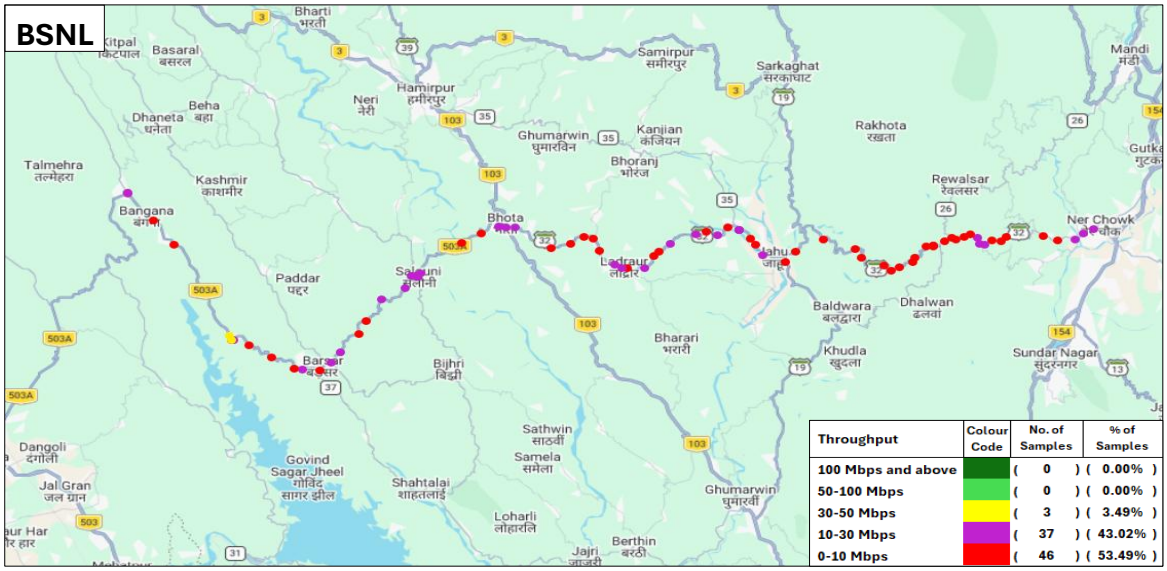
d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below:-

(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)	23.00	3.00	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	209.98	10.15	194.88	9.63

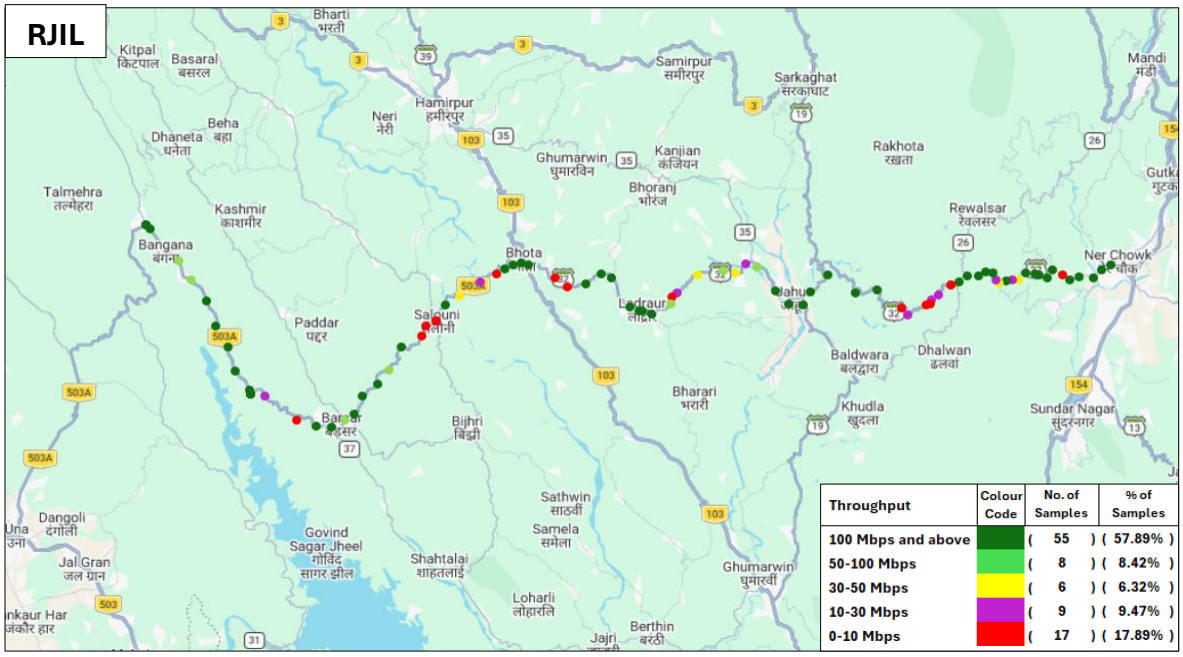


BSNL



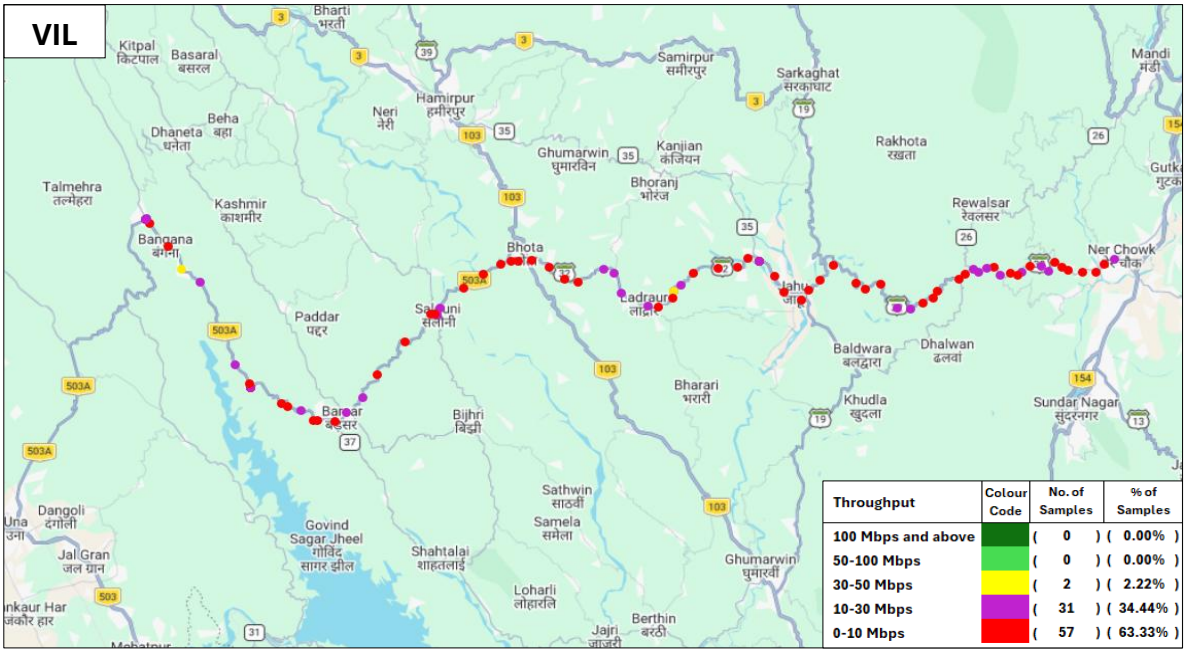
Throughput	Colour Code	No. of Samples	% of Samples
100 Mbps and above		(0)	(0.00%)
50-100 Mbps		(0)	(0.00%)
30-50 Mbps		(3)	(3.49%)
10-30 Mbps		(37)	(43.02%)
0-10 Mbps		(46)	(53.49%)

RJIL



Throughput	Colour Code	No. of Samples	% of Samples
100 Mbps and above		(55)	(57.89%)
50-100 Mbps		(8)	(8.42%)
30-50 Mbps		(6)	(6.32%)
10-30 Mbps		(9)	(9.47%)
0-10 Mbps		(17)	(17.89%)

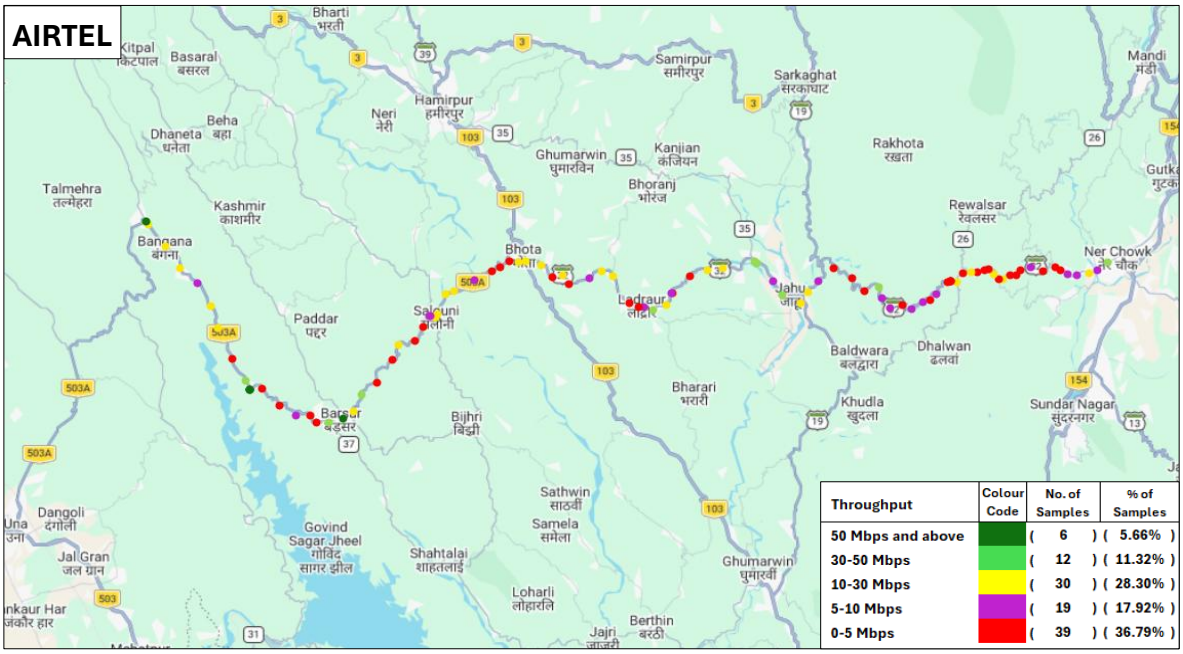
VIL

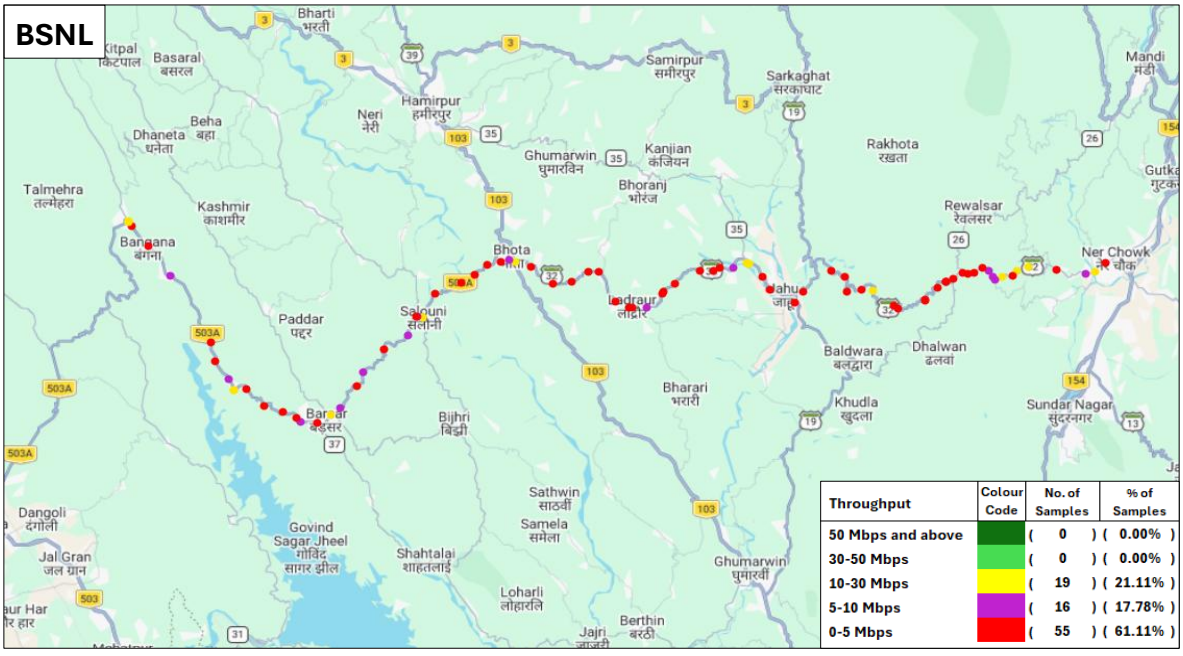


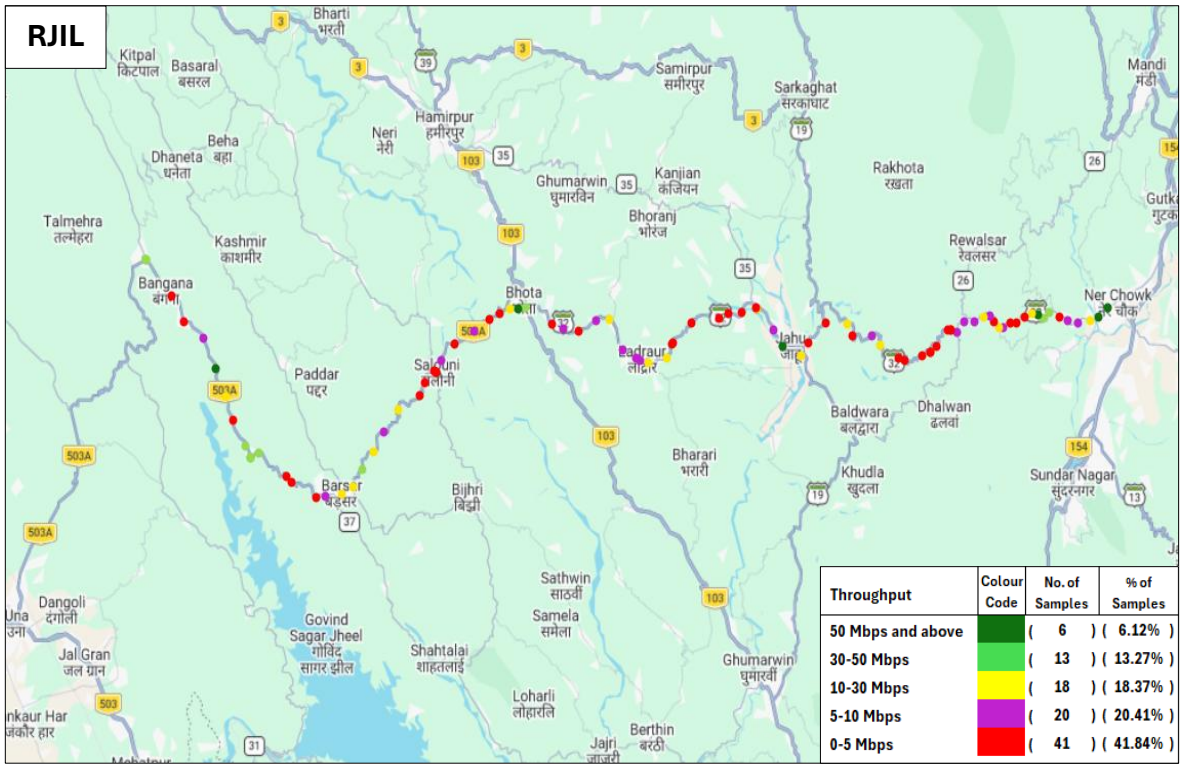
Throughput	Colour Code	No. of Samples	% of Samples
100 Mbps and above		(0)	(0.00%)
50-100 Mbps		(0)	(0.00%)
30-50 Mbps		(2)	(2.22%)
10-30 Mbps		(31)	(34.44%)
0-10 Mbps		(57)	(63.33%)

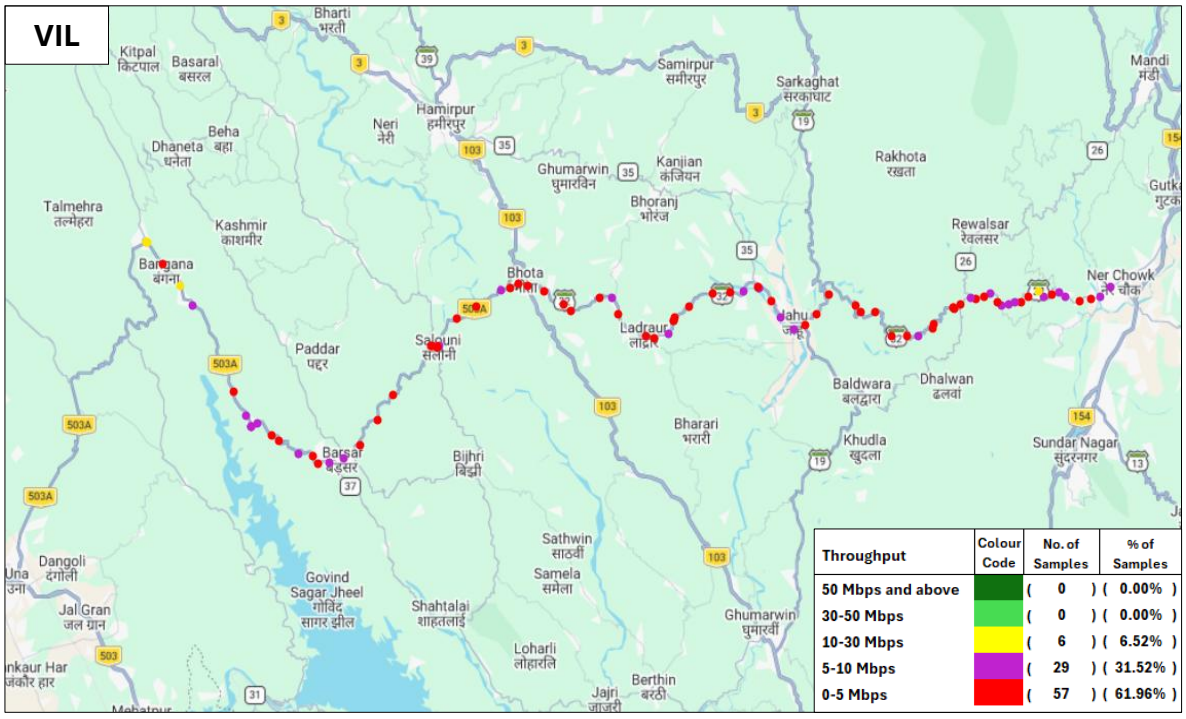
(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical Upload throughput declared by TSP	(Mbits/s)	10.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	14.67	5.59	14.40	4.36









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