Annexure

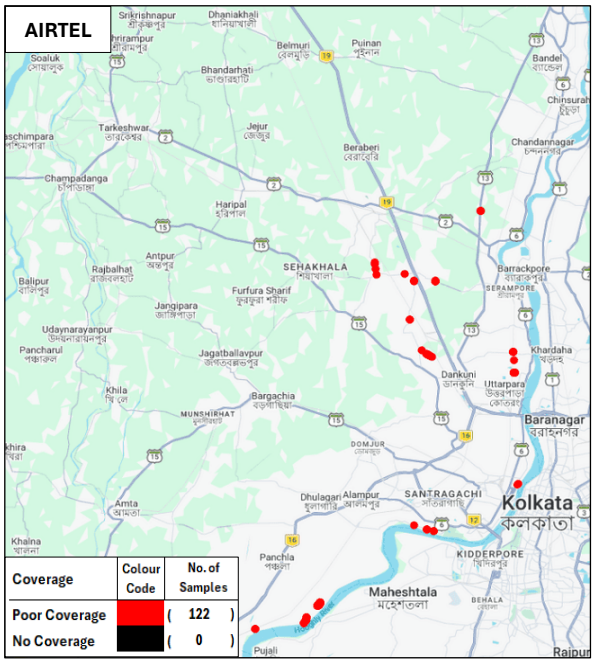
1. Parts of Kolkata City, Howrah and Hooghly Districts under Kolkata LSA (City drive)

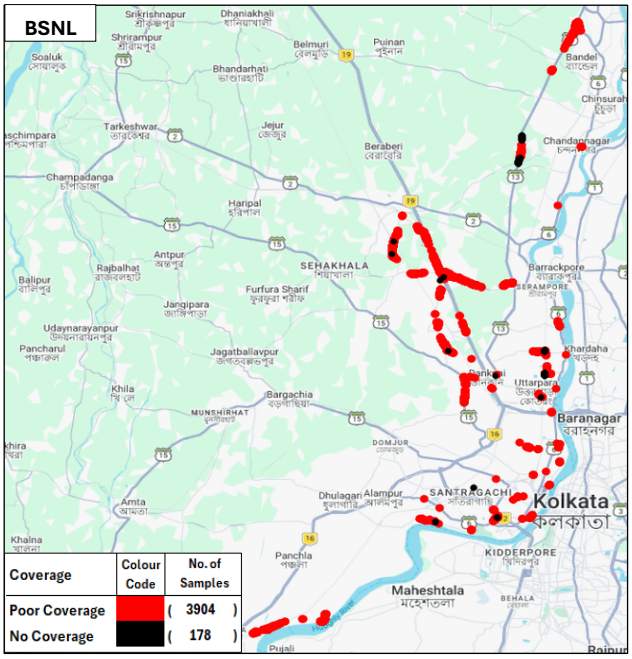
a) Coverage Gap – The coverage distribution found less than the minimum specified signal strength for the drive test route in auto-selection mode (5G/4G/3G/2G) during voice testing, is as below:

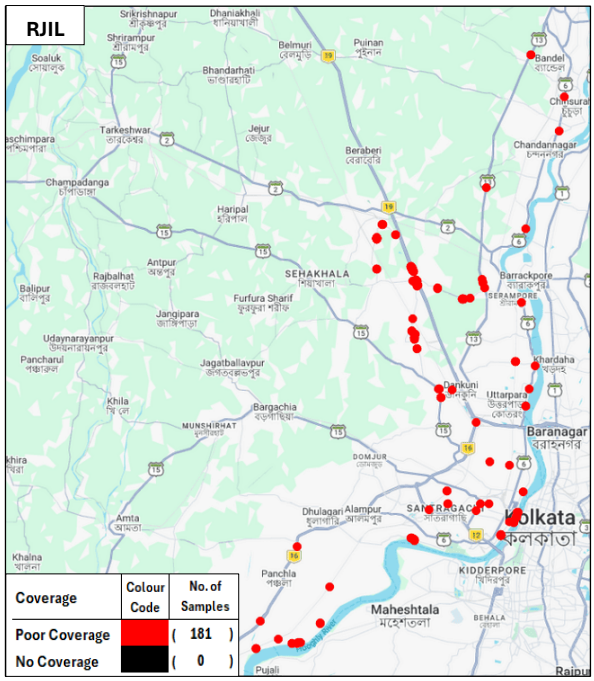
Parameter	AIRTEL	BSNL	RJIL	VIL
Total Number of Samples captured on Drive test route	65638	64760	65280	65726
Number of Samples having poor signal strength	122	3904	181	401
Number of Samples having Limited Service (No Coverage)	0	178	0	36

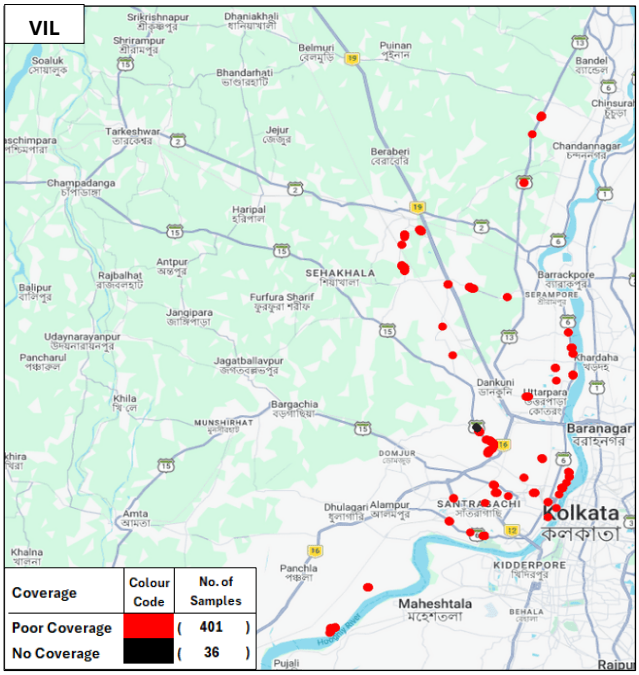
Note: Signal strength has been considered poor if it falls below −110 dBm for 5G & 4G, −90 dBm for 3G, and −85 dBm for 2G.

Coverage Gap observed







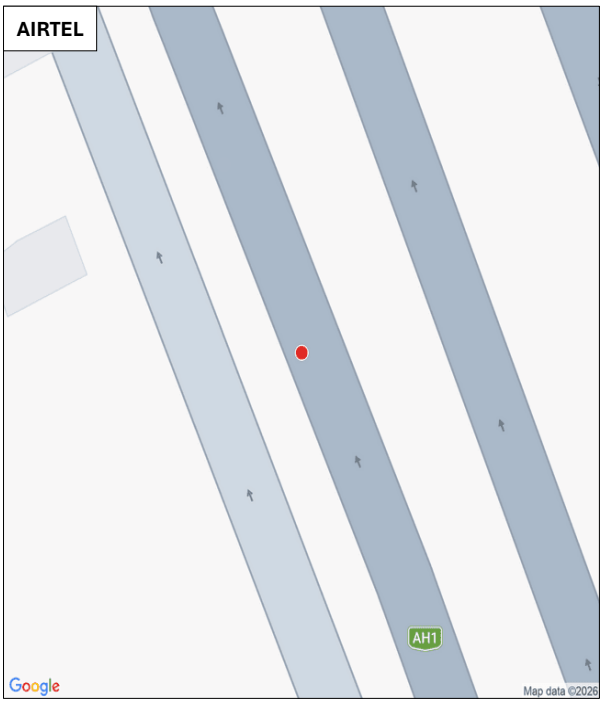


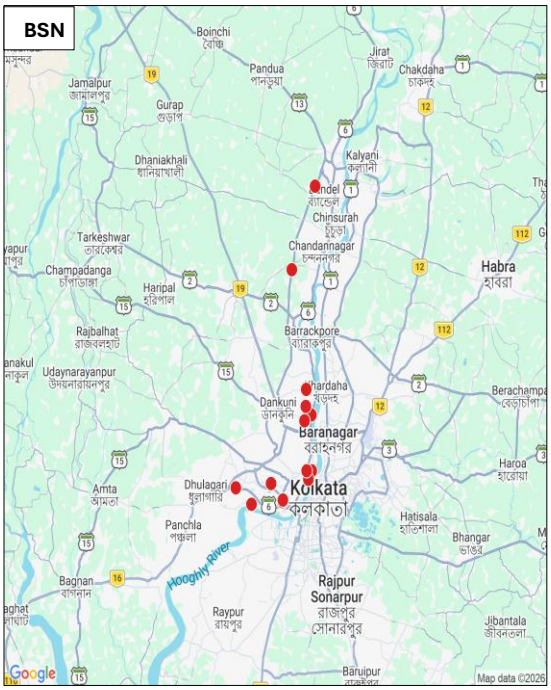
Note: Plot is based on Dynamic Drive Test results only.

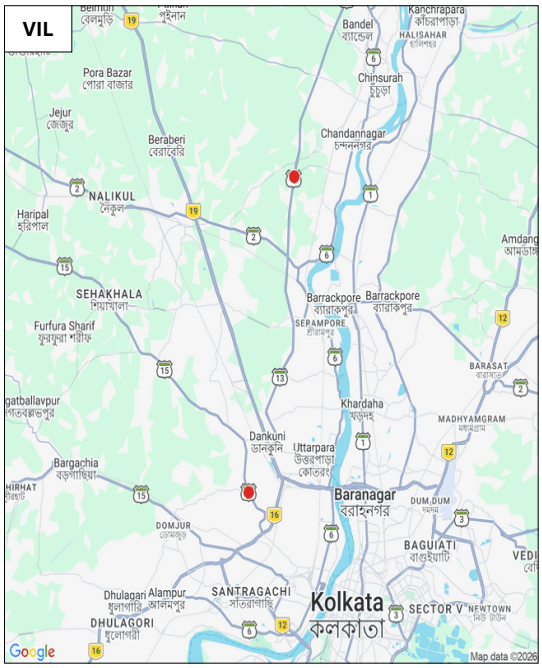
b) Dropped Calls - The TSP-wise details of dropped calls in auto-selection mode (5G/ 4G/ 3G/ 2G) are as below:

Parameter	AIRTEL	BSNL	RJIL	VIL
Number of successful Calls Established	466	483	468	462
Number of dropped Calls	1	15	0	2

Locations of Dropped Calls





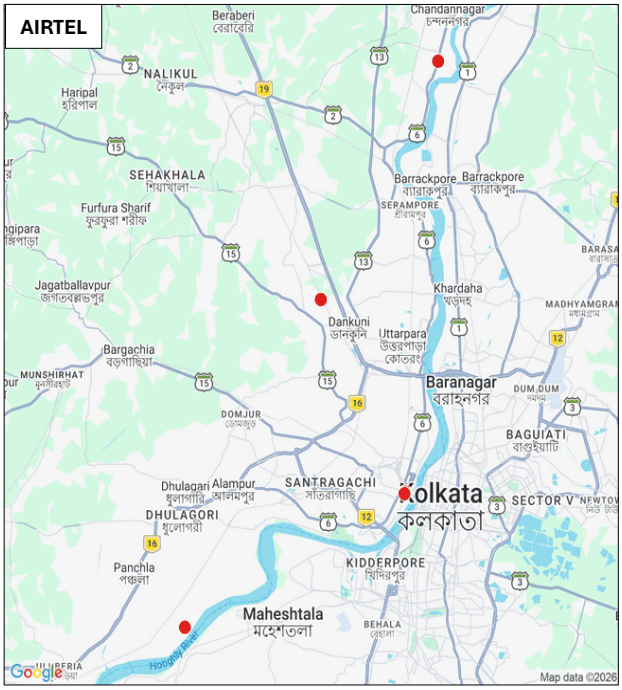


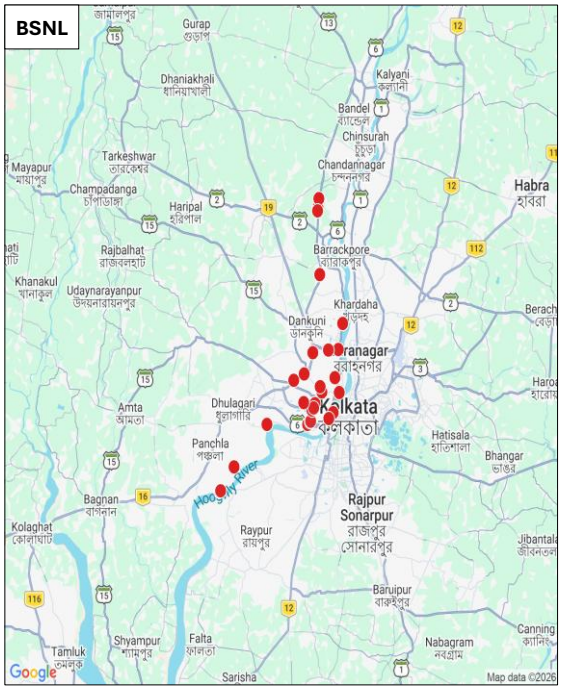
Note: Dropped calls locations are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the maps.

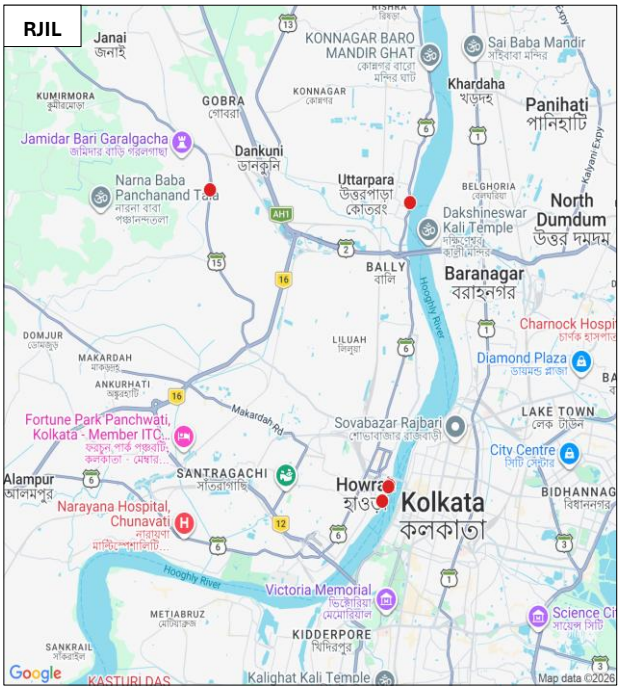
c) **Call Silence Instance** - The TSP-wise details of Call silence instance in Auto-selection mode (5G/4G) are as below:

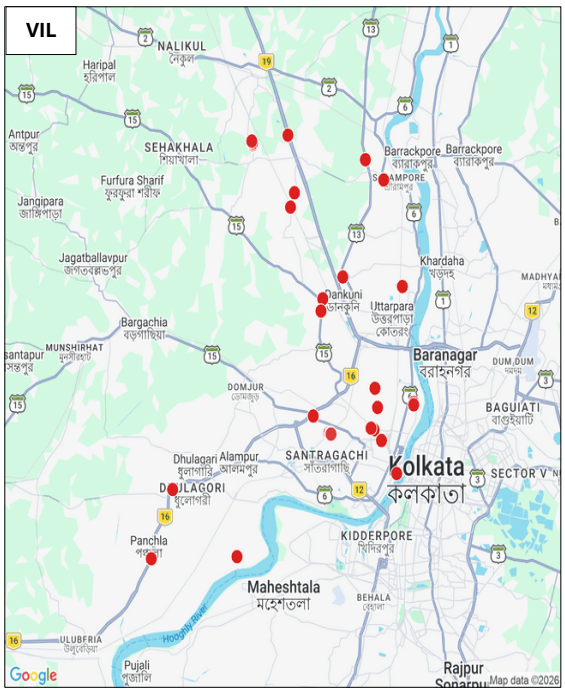
Parameter	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider network)	454	458	455	467
Number of silences calls for >3 Sec	4	26	4	24
Total number of silence instances for >3 Sec	6	36	5	39

Locations of Call Silence Instance







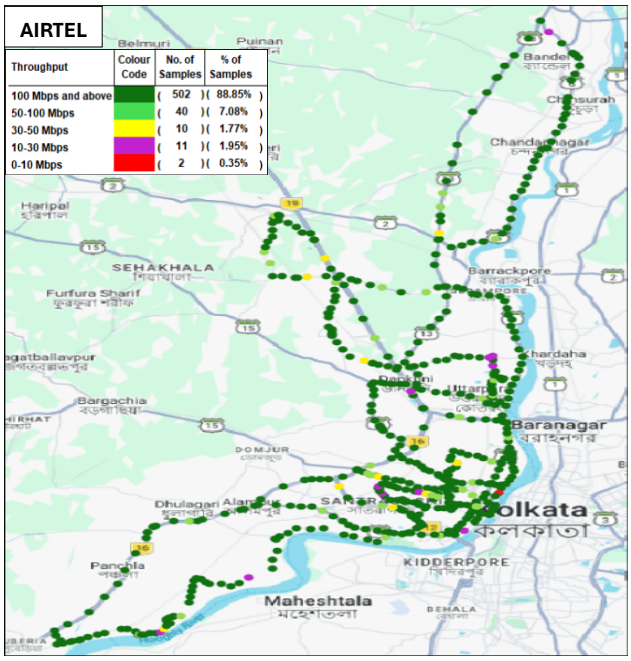


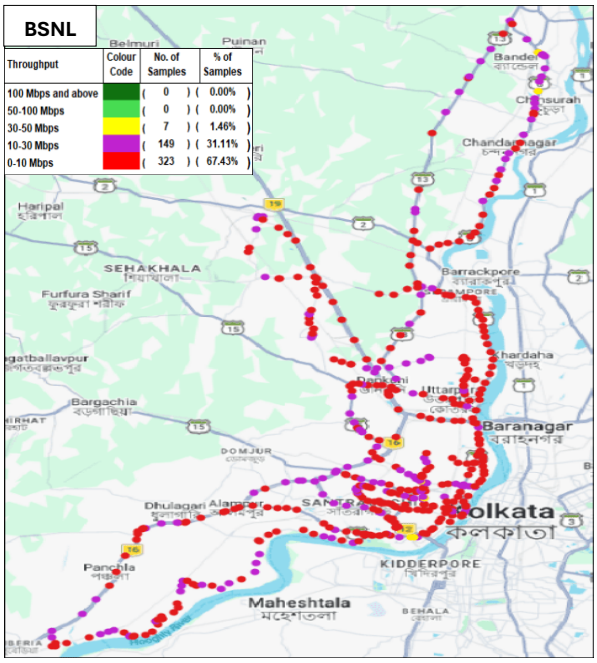
Note: Call silence instances are shown in red colour and which can be clicked to know the exact location (latitude and longitude) on the map.

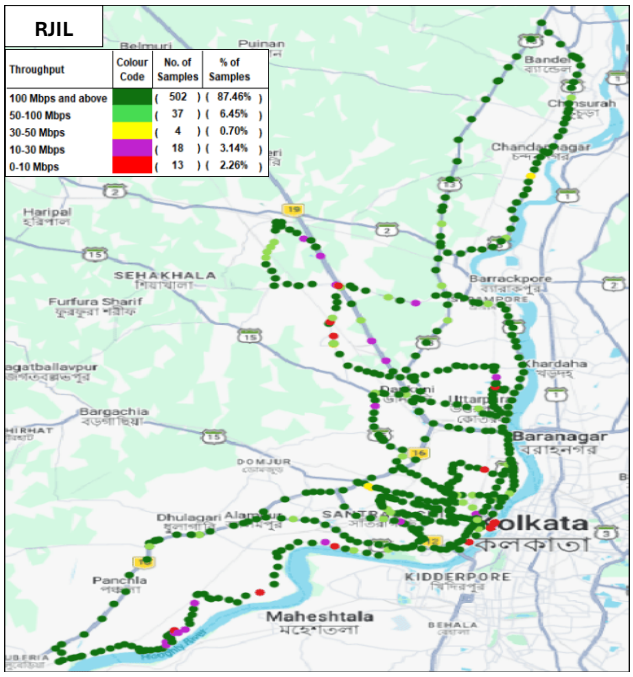
d) **Data Download and Upload throughput:** The TSP-wise details of **Average Download (DL)** and **Upload (UL) throughput** against declared typical DL/UL Throughput for month, in Auto-selection mode (5G/4G/3G/2G) are as below:

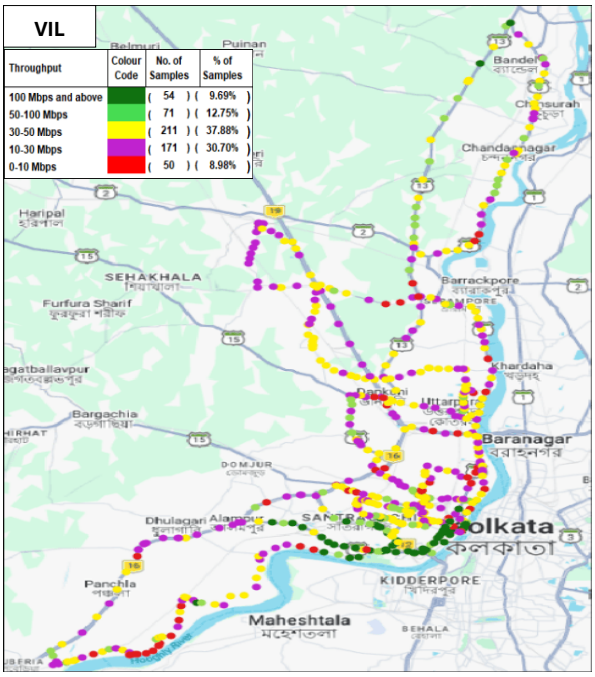
(i) Download Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 5G)
Typical Download Throughput declared by TSP	(Mbits/s)	23.00	5.03	15.00	15.00
Average Download Throughput measured during IDT	(Mbits/s)	255.13	7.98	297.95	49.06





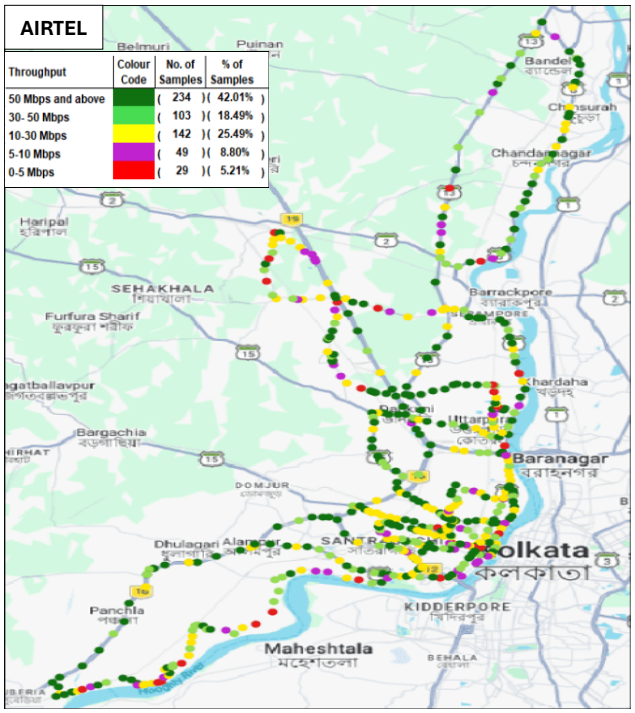


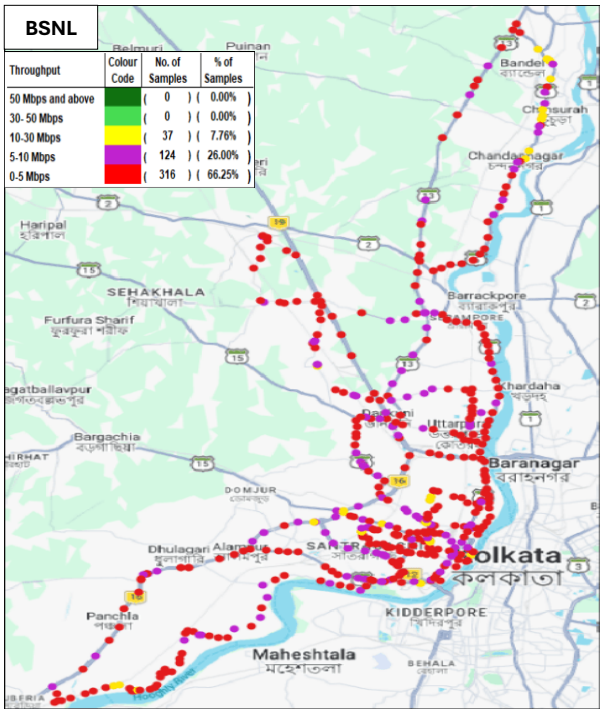


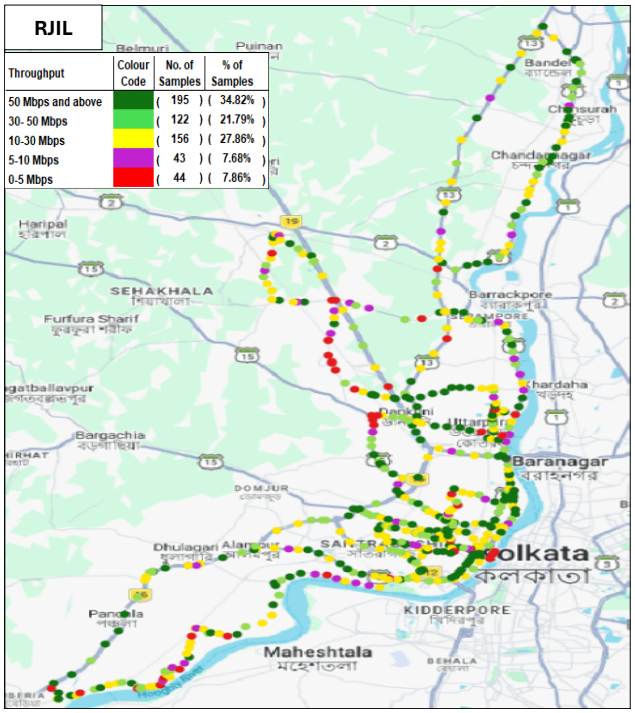
Note: Plot is based on Dynamic Drive Test results only.

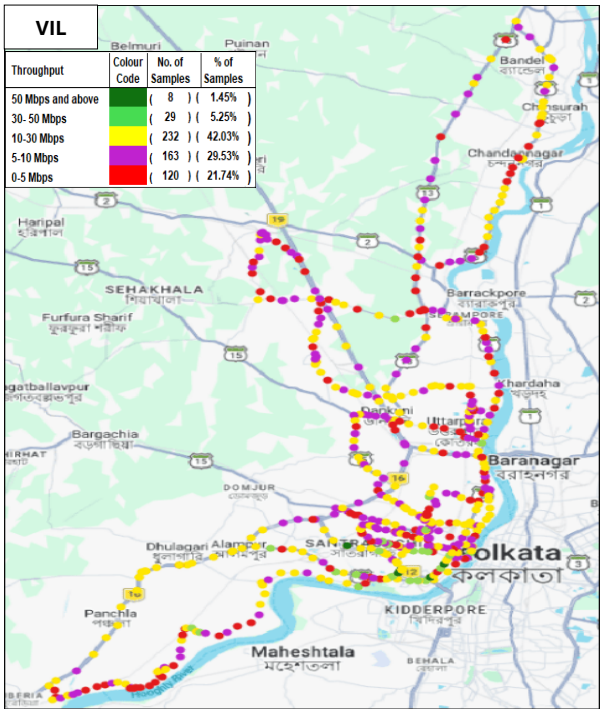
(ii) Upload Throughput

Parameter	Measured in	AIRTEL (upto 5G)	BSNL (upto 4G)	RJIL (upto 5G)	VIL (upto 4G)
Typical upload throughput declared by TSP	(Mbits/s)	8.00	3.00	7.00	8.00
Average Upload Throughput measured during IDT	(Mbits/s)	18.05	5.23	15.59	11.77









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