

**Operator Assisted Drive Test Report** 

For

# Nanded

 $16^{th}$  to  $19^{th}$  Jan 2024 Nanded – Latur (NH/SH) - 135 Kms ( $16^{th}$  Jan 2024) Nanded & Surrounding Area - 300 Kms ( $17^{th}$  to  $19^{th}$  Jan 2024)

## TRAI RO, Bengaluru

## Key Performance Indicators:

- All TSPs have met the 2% QOS benchmark of Drop Call Rate.
- All TSPs have met the 3% QOS benchmark of Call Block Rate except BSNL 3G.
- All 2G/3G/4G TSPs have met the ≥95 % benchmark of Rx Quality except BSNL 3G, JIO 4G and VIL 4G.
- All 2G/3G/4G TSPs have met the ≥95 % benchmark of Mobility HOSR.

The Operator Assisted Drive Test has been carried out by the Regional Office, Bangalore with the help of Service Providers from **16**<sup>th</sup> **to 19**<sup>th</sup> **Jan 2024**. The drive test covered the route of **435 Kms** including NH/SH of **135 Kms** & **6** hotspots. Approximately **450** calls were made for each of the **8** networks: three 2G networks, one 3G network, and four LTE networks covering four TSPs (BSNL 4G only at Static locations).

Overview



Regional Office, TRAI Bengaluru conducted Operator Assisted Drive Test from **16<sup>th</sup> to 19<sup>th</sup> Jan 2024** covering various locations in **Nanded & Surrounding Region**. The performance of Airtel, BSNL, Vodafone Idea, and Jio were monitored across various technologies (2G, 3G, and 4G/4G). The test results obtained from these drive tests were utilized to assess the network quality for Voice and Data services in terms of

**Voice:** Coverage, Quality, Hand Over Success Rate, Call Setup Success Rate, Drop Call Rate and Block Call Rate.

Data: Download and Upload Throughputs, Web Browsing Delay and Latency

#### **Drive Test Details:**

**Voice Tests:** Calls were made for 90 sec duration with a wait time of 10 sec between calls in all technologies. The drive test covered a drive route of approximately **435 KMs** including **NH/SH** of **135 Kms** over a period of 4 days from **16<sup>th</sup> to 19<sup>th</sup> Jan 2024**. Approximately 450 calls were made for each of the 8 networks: three 2G (Lock Mode) networks, one 3G (Dual mode) network, and four 4G networks covering 4 unique TSPs (BSNL 4G only at Static locations).

**Data Tests:** Dynamic data test (Test Data on Move) was conducted for **435 KMs** including **NH/SH** of **135 Kms** over a period of 4 days for download throughput for 3G & 4G technology. Data Tests were performed at 6 static locations; three 2G (Lock mode) networks, one 3G (Dual mode) network, and four 4G (Free mode) networks covering 4 unique TSPs were tested. All the data through put figure mentioned in the report are based on the average value.

\* For Voice and Data KPI's, 2G measurement is done with UE locked on 2G, 3G measurement is done with UE in Dual mode (2G & 3G) and 4G measurement is done with UE in Free Mode.

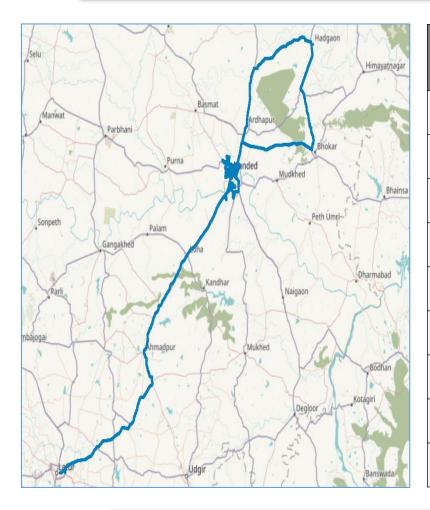
\* 3G KPI's which are calculated from UE in Dual Mode (2G & 3G) includes samples and events of 2G.

\* 4G KPI's which are calculated from the UE in Free Mode included samples and events of 2G & 3G.

Service	Specifications					
Download	2G (Locked) - 500KB, 3G (Dual) - 20 MB, 4G (Free) - 40 MB					
Upload	2G (Locked) - 100KB, 3G (Dual) - 5 MB, 4G (Free) - 10 MB					
Web Browsing	3 links of e/m commerce website www.amazon.in, www.flipkart.com and PayTm					
Latency	32 Bytes on www.google.com					
Video Streaming	130 secs clip					

## Overview

## Voice & Dynamic Data Test (Data Test on Move) Drive Route



Areas covered					
NANDED	TAMSA				
MAHADEV P -GAON	SHIVPURI				
DABHAD	BORGAON				
ARDHAPUR	BHOKAR				
WARANGA PHATA	BHOSHI				
DONGARGADA	BARAD				
BARAD SHEVLA	BHOKAR PHATA				
PALSA	SURYANAGAR				
HADGAON					

## Data Service Test- Static Locations

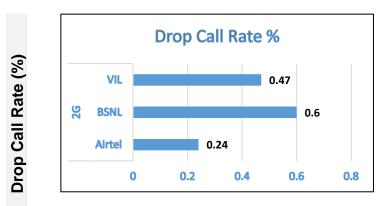


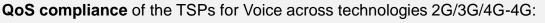
1. R.T.O. Office
2. Govt Medical College
3. Collector Office
4. Nanded Railway Station
5. Nanded Bus Stand
6. MGM College

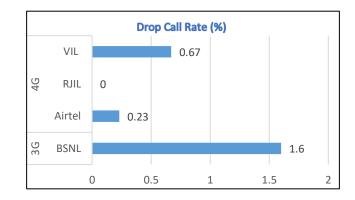
#### **Overview Details**

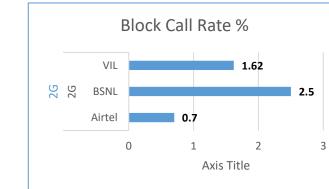
# **Voice Calls**

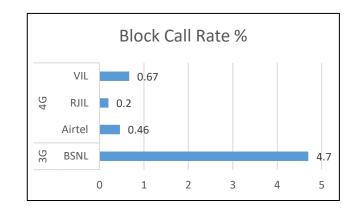
## **Key Observations**











KPIs	2G		3G	4G			
	Airtel	BSNL	VIL	BSNL	Airtel	RJIL	VIL
Drop Call Rate %	0.24	0.6	0.47	1.6	0.23	0	0.67
Block Call Rate %	0.7	2.5	1.62	4.7	0.46	0.2	0.67

- a) All TSPs have met the 2% QOS benchmark of Drop Call Rate.
- b) All TSPs have met the 3% QOS benchmark of Call Block except BSNL 3G.

# **Voice Calls**

## **Key Observations**

#### Coverage

a) Percentage of coverage samples for  $2G \ge -85$  dBm.

	2G				
TSPs	Airtel	BSNL	VIL		
Coverage%	70.40	60.70	73.29		

b) Percentage of coverage samples for  $3G \ge -90 \text{ dBm } \& \text{LTE} \ge -110 \text{ dBm}$ .

	3G	4G			
TSPs	BSNL	Airtel	JIO	VIL	
Coverage %	55.04	97.10	96.20	91.53	

c) Percentage of time spent on 3G/4G network

	3G	4G				
TSPs	BSNL	Airtel	BSNL	JIO	VIL	
Time Spent on 3G/4G%	7.89	100	20.5	100	98.75	

## City Level Summary

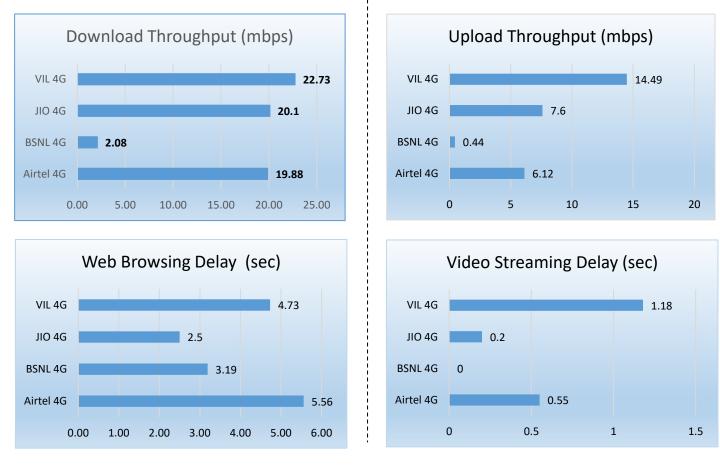
Voice Call	2G				
	Airtel	BSNL	VIL		
Call Attempt	429	513	433		
Blocked Call Rate (%)	0.7	2.5	1.62		
CSSR% (Accessibility)	99.3	97.5	98.38		
Drop Call Rate (%)	0.24	0.6	0.47		
Rx Quality (%)	95.61	97	95.2		
Mobility HOSR (%)	99.48	95.76	99.52		

	3G/4G					
Voice Call	BSNL 3G	Airtel 4G	JIO 4G	VIL 4G		
Call Attempt	527	431	498	450		
Blocked Call Rate (%)	4.7	0.46	0.2	0.67		
CSSR% (Accessibility)	95.3	99.54	99.8	99.33		
Drop Call Rate (%)	1.6	0.23	0	0.67		
Rx Quality (%)	91.81	97.48	88.5	84.54		
Mobility HOSR (%)	97.84	100	99.1	99.63		

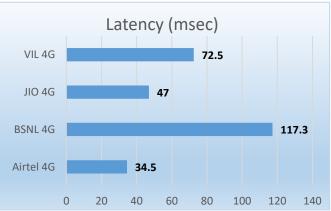
# Data Services Static

Data was tested at 6 locations. The following services were tested: Data Download/Upload, Latency (www.google.com), and Web browsing (Flipkart, Amazon, Paytm)

#### Data Download, Upload Performance (Mbps), Web Browsing delay, Video Streaming and Latency 3G/4G



#### 3G/4G/ Network:



## City Level Summary(contd.)

Data Services Static	2G		
	Airtel	VIL	
Download Throughput (kbps)	13.454	96.53	
Upload Throughput (kbps)	11.4073	60.53	
Web Browsing Delay (sec)	31.672	32.75	
Latency (msec)	240	213.73	

Data Camiana Ctatia				
Data Services Static	Airtel 4G	BSNL 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	19.88	2.08	20.10	22.73
Upload Throughput (mbps)	6.12	0.44	7.60	14.49
Web Browsing Delay (sec)	5.56	3.19	2.50	4.73
Video Streaming Delay (sec)	0.55	-	0.20	1.18
Latency (msec)	34.50	117.30	47.00	72.50

Data Services Dynamic	3G	4G		
(Data Test on Move)	BSNL	Airtel	JIO	VIL
Download Throughput (mbps)	1.65	16.43	10.7	7.39
Upload Throughput (mbps)	0.13	5.76	4.3	4.55

## City Level Data Services Static(contd.)

Data Services Static –			2G		
RTO Office		Airtel		VIL	
Download Throughput (kbps)		12.6		45.66	
Upload Throughput (kbps)	)	9.13		69.07	
Web Browsing Delay (sec)		29.97		28.81	
Latency (ms)		236.4		217	
Data Services Static –	Data Services Static –		4G		
RTO Office	BSNL	Airtel	JIO	VIL	
Download Throughput (Mbps)	3.51	10.76	37.62	29.22	
Upload Throughput (Mbps)	1.116	5.37	4.64	29.22	
Web Browsing Delay (sec)	3.66	4.94	2.3	4.3	
Video Streaming Delay (sec)	0	0.35	0.18	1.08	
Latency (ms)	122	35.2	44.6	91.6	

Data Services Static –		2G
Govt Medical College	Airtel	VIL
Download Throughput (kbps)	12.33	45.62
Upload Throughput (kbps)	10.43	56.326
Web Browsing Delay (sec)	31.26	45.7754
Latency (msec)	243	214

Data Services Static -	4G			
Govt Medical College	BSNL	Airtel	JIO	VIL
Download Throughput (Mbps)	1.75	23.74	15.96	11.27
Upload Throughput (Mbps)	0.8	7.41	8.56	15.374
Web Browsing Delay (sec)	1.5	6.11	2.22	4.5816
Video Streaming Delay (sec)	0	0.35	0.18	1.0244
Latency (ms)	79.4	36.6	48	67.4

## City Level Data Services Static(contd.)

Data Services Static –			2G	
Collector Office	Collector Office			VIL
Download Throughput (kbps)		14.47		63.29
Upload Throughput (kbps	\$)	13.06	Į	51.112
Web Browsing Delay (see	c)	31.9		26.841
Latency (ms)		240		212
Data Services Static –	4G			
Collector Office	BSNL	Airtel	JIO	VIL
Download Throughput (Mbps)	1.94	16.3	20.82	19.33
Upload Throughput (Mbps)	0.37	5.68	6.56	14.86
Web Browsing Delay (sec)	3.71	5.28	2.04	4.74
Video Streaming Delay (sec)	0.00	0.37	0.17	1.28
Latency (ms)	133.40	31	42	78
Data Services Static –			2G	
Railway Station		Airtel		VIL
	<b>`</b>	10.00		

Naliway Station	AIItei	VIL
Download Throughput (kbps)	12.66	194.84
Upload Throughput (kbps)	10.92	47.65
Web Browsing Delay (sec)	31.71	27.54
Latency (msec)	241	299

Data Services Static –	4G			
Railway Station	BSNL	Airtel	JIO	VIL
Download Throughput (Mbps)	0.95	19.39	12.34	6.87
Upload Throughput (Mbps)	0.22	5.97	7.86	8.53
Web Browsing Delay (sec)	4.78	5.37	2.28	5.18
Video Streaming Delay (sec)	0	0.36	0.33	1.8
Latency (ms)	123	34	53	65

## City Level Data Services Static(contd.)

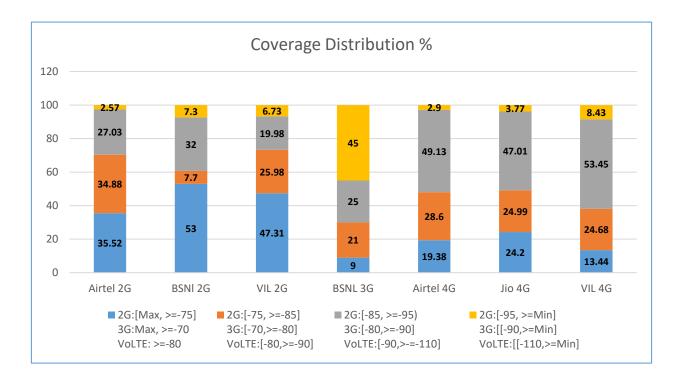
Data Services Static –			2G	
Bus Stand Nanded		Airtel		VIL
Download Throughput (kbps)		12.96		.71.32
Upload Throughput (kbps	)	12.09	-	72.81
Web Browsing Delay (sec	;)	32.13		26.8
Latency (ms)		238		178
Data Services Static –	4G			
Bus Stand Nanded	BSNL	Airtel	JIO	VIL
Download Throughput (Mbps)	2.27	20.72	11.12	29.37
Upload Throughput (Mbps)	0.09	6.3	6.6	14.05
Web Browsing Delay (sec)	3.28	5.3	3.54	4.35
Video Streaming Delay (sec)	0	0.41	0.08	0.99
Latency (ms)	122	37	53	58.2

Data Services Static –		2G
MGM College of Engg	Airtel	VIL
Download Throughput (kbps)	15.7	58.44
Upload Throughput (kbps)	12.83	66.23
Web Browsing Delay (sec)	33.07	40.73
Latency (msec)	239.4	162

Data Services Static –	4G			
MGM College of Engg	BSNL	Airtel	JIO	VIL
Download Throughput (Mbps)	1.76	28.37	25.4	40.24
Upload Throughput (Mbps)	0.06	6.46	11.08	4.91
Web Browsing Delay (sec)	2.2	6.35	2.5	5.23
Video Streaming Delay (sec)	0	1.46	0.16	0.89
Latency (ms)	124	34	44	75

RF Coverage relates to the geographical footprint within the system that has sufficient RF signal strength to provide for a call session. The Coverage rate is calculated on the basis of % of samples in which the Rx level  $\geq$  -85 dBm, RSCP is  $\geq$  -90 dBm & RSRP  $\geq$  -110dBm. The details are as follows.

TSP	Coverage Rate %
Airtel 2G	70.40
BSNI 2G	60.70
VIL 2G	73.29
BSNL 3G	55.04
Airtel VoLTE	97.10
Jio VoLTE	96.20
VIL VoLTE	91.53



## AIRTEL

Technology	Coverage Rate %
2G	70.4
4G	97.1



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2G

**4G** 



2G				
Overall RxLevel	# Samples	% PDF		
[Max, >=-75]	2301697	35.52		
[-75, >=-85)	2259977	34.88		
[-85, >=-95)	1751271	27.03		
[-95, >=Min)	166267	2.57		
Total	6479212	100.00		

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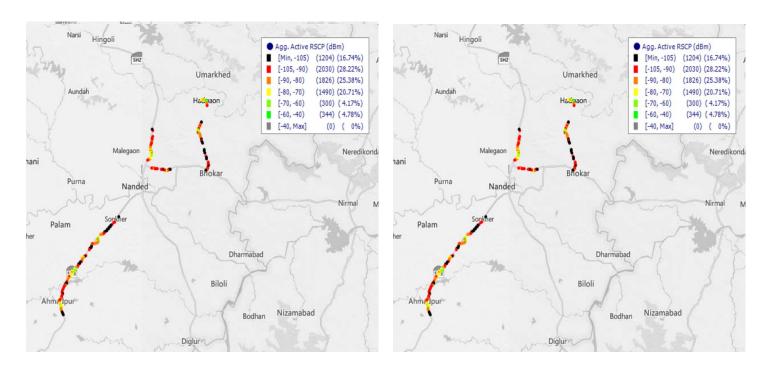
4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	1830818	19.38
[-80, >=-90)	2702150	28.60
[-90, >=-110)	4642080	49.13
[-110, >=Min)	274285	2.90
Total	9449333	100.00

## I. Coverage Details

BSNL	
Technology Coverage Rate %	
2G	60.7
3G	55.4

2G

3G



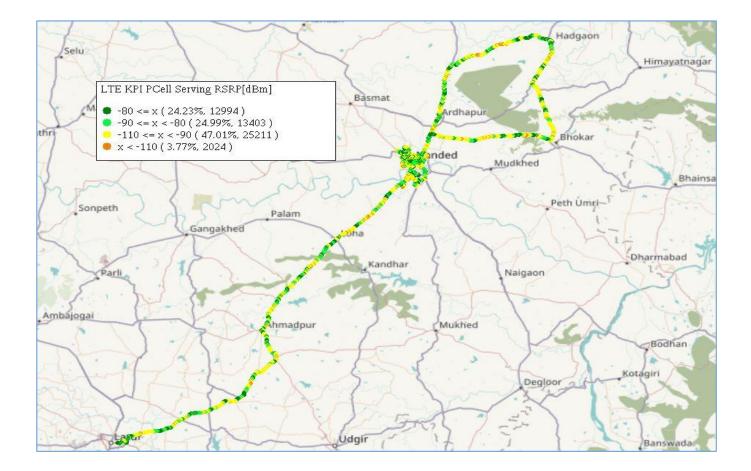
2G		
Overall RxLevel	# Samples	% PDF
[Max, >=-75]	28185	53
[-75, >=-85]	9452	7.7
[-85, >=-95]	11520	32
[-95, >=Min]	5818	7.3
Total	54975	100

3G		
Overall RSCP	# Samples	% PDF
[Max, >=-70]	644	9
[-70, >=-80]	1490	21
[-80, >=-90]	1826	25
[-90, >=Min]	3234	45
Total	7194	100

## I. Coverage Details

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Technology	Coverage Rate %
4G	96.20

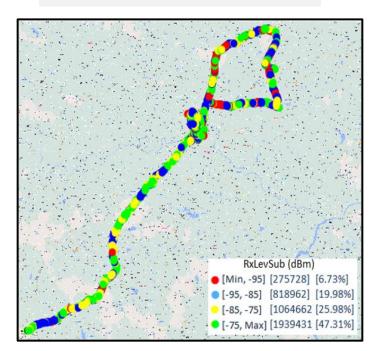


4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	12,994	24.23
[-80, >=-90)	13,403	24.99
[-90, >=-110)	25,211	47.01
[-110, >=Min)	2,024	3.77
Total	53,632	100

## I. Coverage Details

VIL		
Technology	Coverage Rate %	
2G	73.29	
4G	91.53	

2G



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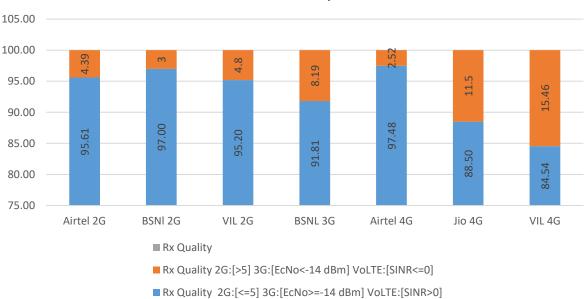
**4G** 

2G		
Overall RxLevel	# Samples	% PDF
[Max, >=-75]	1939431	47.31
[-75, >=-85)	1064662	25.98
[-85, >=-95)	818962	19.98
[-95, >=Min)	275728	6.73
Total	4098783	100

4G/VoLTE			
Overall RSRP # Samples % PDF			
[Max, >=-80]	1446400	13.44	
[-80, >=-90)	2655079	24.68	
[-90, >=-110) 5749639 53.45			
[-110, >=Min) 906385 8.43			
Total	10757503	100	

For measuring voice quality, as per the QoS norms, RxQual <=5 for GSM TSPs, EcNo >= -14 dBm for 3G TSP sand SINR >0 in case of 4G is considered to be good, where as quality beyond this benchmark is considered to be bad. The benchmark should usually be  $\geq$  95%.

TSP	Rx Quality %
Airtel 2G	95.61
BSNI 2G	97.00
VIL 2G	95.20
BSNL 3G	91.81
Airtel VoLTE	97.48
Jio VoLTE	88.50
VIL VoLTE	84.54



**Rx Quality** 

## Airtel

Technology	Rx Quality %
2G	95.61
4G	97.48





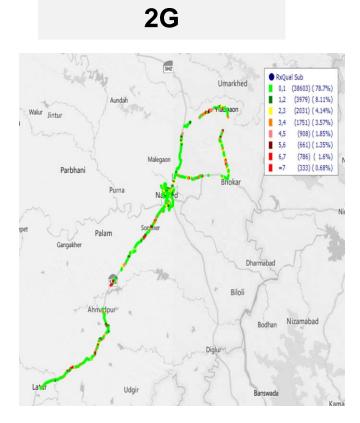
4G



Overall Rx Quality	# Samples	% PDF	Overall SINR	# Samples	% PDF
(Min, <=2)	5480689	84.59	(Min, <=0)	244209	2.52
(2, <=3)	150065	2.32	(0, <=5)	3921931	40.49
(3 , <=4)	204825	3.16	(5, <=10)	2586511	26.70
(4 , <=5)	359289	5.55	(10, <=15)	1754350	18.11
(5 , <=Max)	284436	4.39	(15, <=Max)	1179734	12.18
Total	6479304	100	Total	9686735	100.00

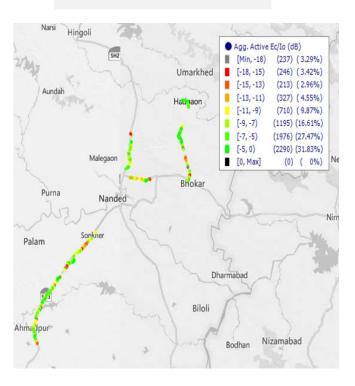
## BSNL

Technology	Rx Quality %
2G	97
3G	91.81



Overall Rx Quality	# Samples	% PDF
(Min, <=2)	42582	87
(2, <=3)	2031	4
(3 , <=4)	1751	4
(4 , <=5)	908	2
(5 , <=Max)	1708	3
Total	48980	100

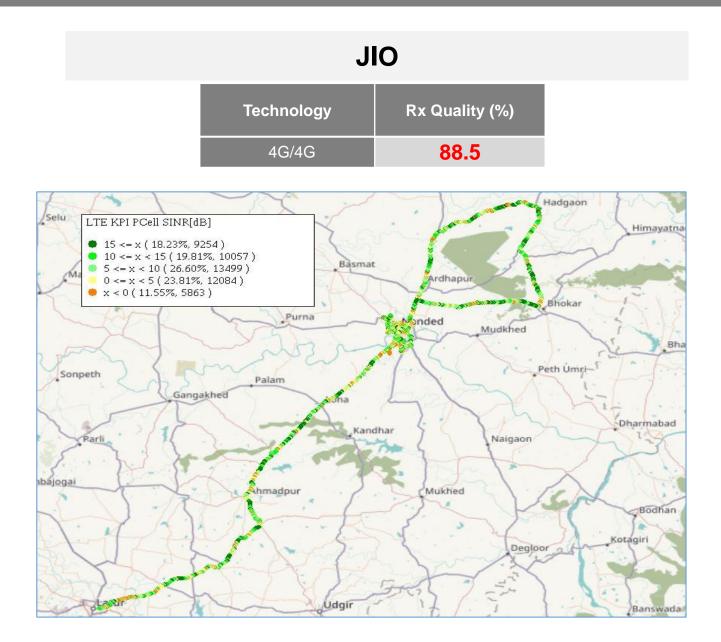
3G



Overall EcNo	# Samples	% PDF
(Max, <=-6)	3278	45.6
(-6, <=-9)	2183	30.34
(-9, <=-11)	710	9.87
(-11, <=-14)	434	6.03
(-14, <= Min)	589	8.19
Total	7194	

Quality Details

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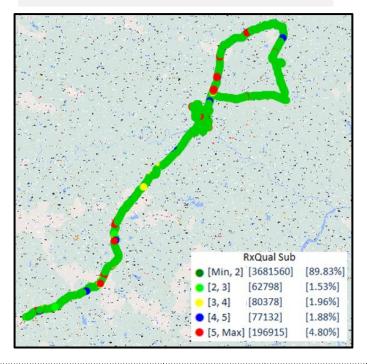


Overall SINR	# Samples	% PDF
(Min, <=0)	9,254	18.23
(0, <=5)	10,057	19.81
(5, <=10)	13,499	26.60
(10, <=15)	12,084	23.81
(15, <=Max)	5,863	11.55
Total	50,757	100

#### VIL

Technology	Rx Quality %
2G	95.20
4G	84.54

2G



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	[Min, -6] [185379] [1.72%]
	[-6, 0] [1477938 [13.74%]
	[-0, 0] [14//330 [13./470] ]
	[0, Max] [9094186 [84.54%]
	10, Max1 [3034100 [04,3470]

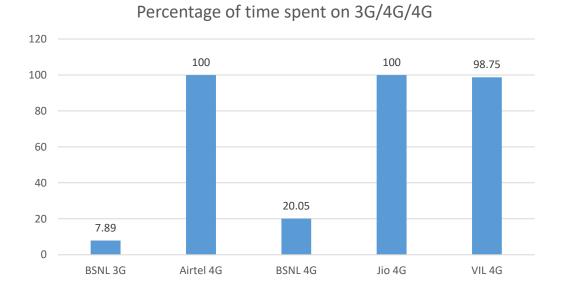
**4G** 

Overall Rx Quality	# Samples	% PDF	Overall SINR	# Samples	% PDF
(Min, <=2)	3681560	89.83	(Min, <=0)	1663317	15.47
(2, <=3)	62798	1.53	(0, <=5)	2489765	23.14
(3 , <=4)	80378	1.96	(5, <=10)	2390041	22.22
(4 , <=5)	77132	1.88	(10, <=15)	1805617	16.78
(5 , <=Max)	196915	4.80	(15, <=Max)	2408763	22.39
Total	4098783	100	Total	10757503	100

## Quality Details

## **III.** Technology Details

TSP	Time Spent on 3G/4G %
BSNL 3G	7.89
Airtel VoLTE	100
BSNL 4G	20.05
Jio VoLTE	100
VIL VoLTE	98.75



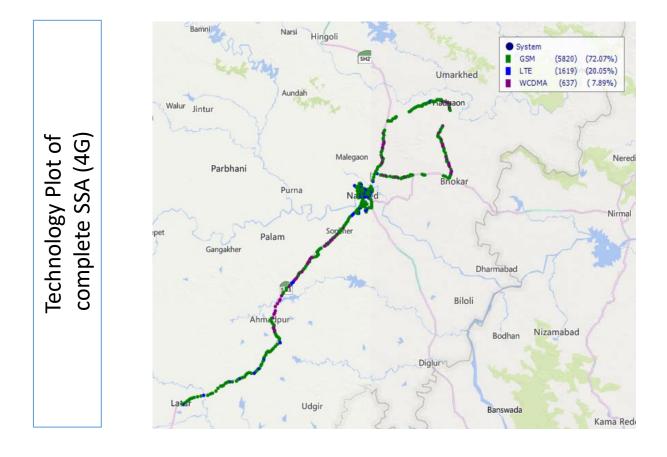
## Airtel



## **III.** Technology Details

**BSNL** 

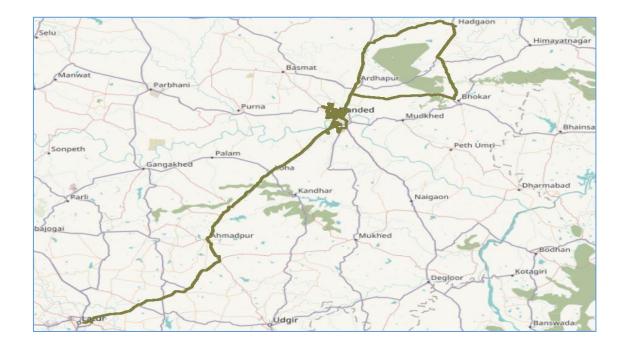
Technology	Time Spent %
3G	7.89
4G	20.05



## III. Technology Details

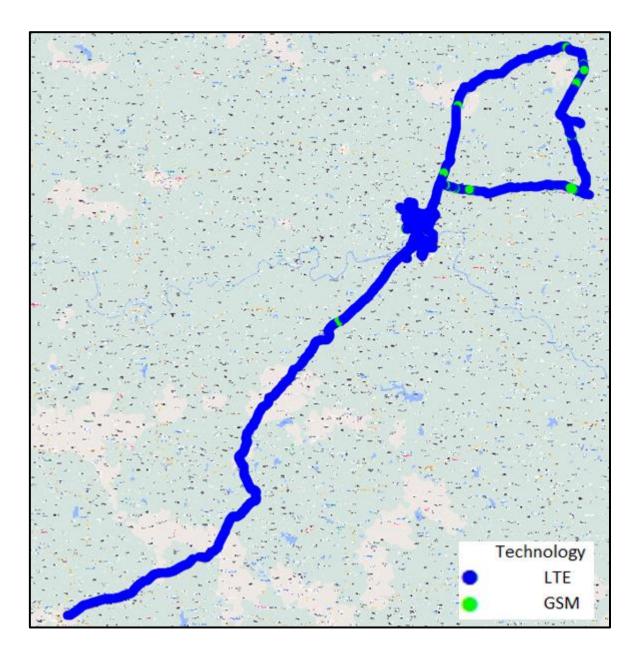
#### JIO

Technology	Time Spent %
4G	100



## VIL

Technology	Time Spent
4G	98.75



# IV. Dynamic Data Test(Data Test on Move)- 4G DL/UL Details

Airtel



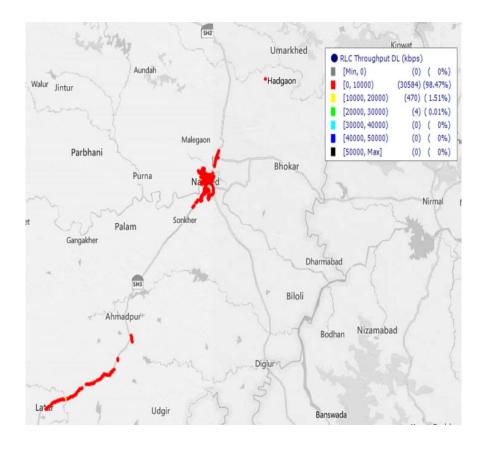
DL throughput	No. of Samples	%
0 to 1 Mbps	7898790	66.96
1 to 2 Mbps	859193	7.28
2 to 3 Mbps	827125	7.01
3 to 4 Mbps	178495	1.51
4 to 8 Mbps	1280061	10.85
8 to 12 Mbps	175117	1.48
>12 Mbps	577585	4.90
Total	11796366	100

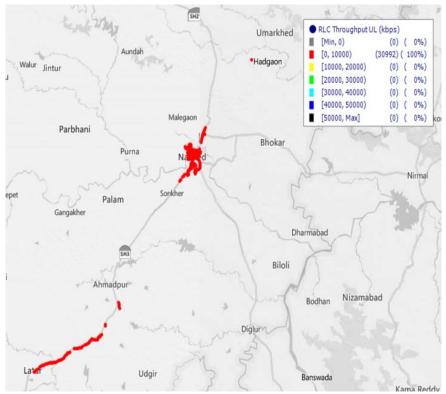


UL throughput	No. of samples	%
0 to 256 Kbps	4410100	54.78
250 to 512 Kbps	513276	6.38
512 Kbps to 1 Mbps	600154	7.45
1 to 2 Mbps	777579	9.66
2 to 3 Mbps	396366	4.92
3 to 4 Mbps	848767	10.54
>4 Mbps	504833	6.27
Total	8051075	100

## IV. Dynamic Data Test(Data Test on Move)-3G/4G DL/UL Details

**BSNL** 



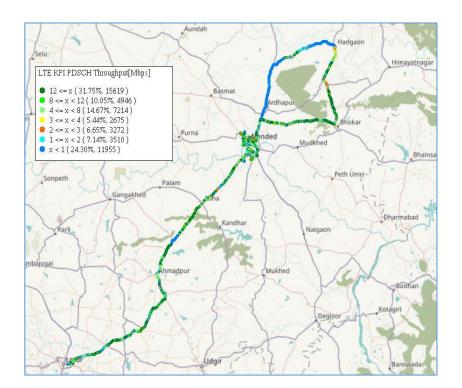


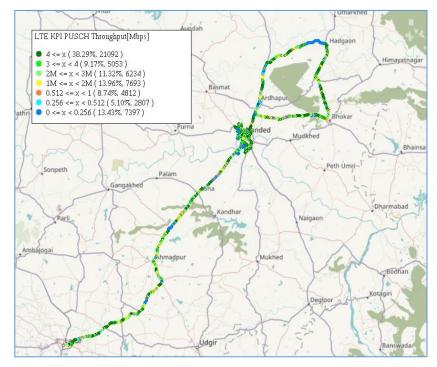
DL throughput	No. of Samples	%
0 to 1 Mbps	10500	34
1 to 2 Mbps	4500	14
2 to 3 Mbps	1520	5
3 to 4 Mbps	9460	30
4 to 8 Mbps	4604	15
8 to 12 Mbps	320	1
>12 Mbps	150	0
Total	31054	100

UL throughput	No. of Samples	%
0 to 1 Mbps	12560	41
1 to 2 Mbps	6420	21
2 to 3 Mbps	8420	27
3 to 4 Mbps	1180	4
4 to 8 Mbps	1272	4
8 to 12 Mbps	650	2
>12 Mbps	490	2
Total	30992	100

## IV. Dynamic Data Test(Data Test on Move)-4G DL/UL Details

#### JIO



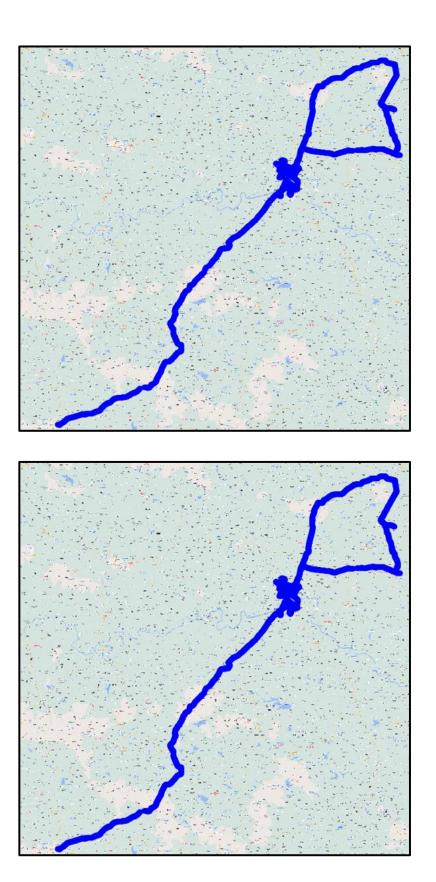


DL throughput	No. of Samples	%
0 to 1 Mbps	15,619	31.8
1 to 2 Mbps	4,946	10.05
2 to 3 Mbps	7,214	14.67
3 to 4 Mbps	2,675	5.44
4 to 8 Mbps	3,272	6.65
8 to 12 Mbps	3,510	7.14
>12 Mbps	11,955	24.30
Total	49,191	100

UL throughput	No. of samples	%	
0 to 256 kbps Mbps	21,092	38.3	
256 to 512 kbps	5,053	9.17	
512 Kbps to 1 Mbps	6,234	11.32	
1 to 2 Mbps	7,693	13.96	
2 to 3 Mbps	4,812	8.74	
3 to 4 Mbps	2,807	5.10	
>4Mbps	7,397	13.43	
Total	55,088	100	

# IV. Dynamic Data Test(Data Test on Move)-4G DL/UL Details

VIL



DL throughput	No. of Samples	%	
0 to 1 Mbps	5447455	45.6	
1 to 2 Mbps	658255	5.51	
2 to 3 Mbps	527645	4.42	
3 to 4 Mbps	419978	3.52	
4 to 8 Mbps	1502139	12.58	
8 to 12 Mbps	672380	5.63	
>12 Mbps	2715499	22.74	
Total	11943351	100	

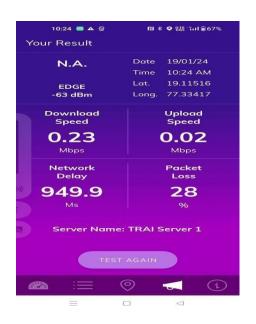
UL throughput	No. of samples	%
0 to 256 Kbps	1279040	29.63
250 to 512 Kbps	156853	3.63
512 Kbps to 1 Mbps	222672 5.16	
1 to 2 Mbps	700348	16.22
2 to 3 Mbps	539337	12.49
3 to 4 Mbps	214057	4.96
>4Mbps	1204809	27.91
Total	4317116	100

## AIRTEL

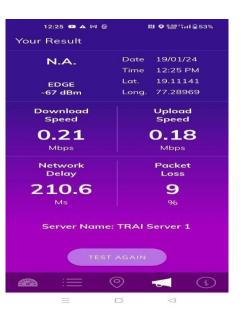
## V. TRAI My Speed App Test Details-2G

Techology-2G	RTO Office	Govt Medical College	Collector Office	Railway Station	Bus Stand	MGM College of Engg
Download Speed (Mbps)	0.23	0.21	0.10	0.15	0.16	0.23
Upload Speed (Mbps)	0.02	0.18	0.10	0.11	0.12	0.18
Latency	949.9	210.6	180.8	245.9	193.5	151.0

#### **RTO Office**



#### **Govt Medical College**



#### **Collector Office**



#### **Railway Station**



#### **Bus Stand**



#### MGM College of Engg

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17:48 👻 🖷 🗭 🖬 🖌		● ‱ 111 □ 22%		
Your Result				
N.A.	Date	19/01/24		
	Time	05:42 PM		
EDGE	Lat.	19.17920		
-51 dBm	Long.	77.32710		
Download Speed		Upload Speed		
0.23		0.18		
Mbps		Mbps		
Network		Packet		
Delay		Loss		
151.0		Ο		
Ms		%		
Server Name: TRAI Server 1				
TEST	AGAIN			
	9	- i		
	0			

**TRAI MySpeed Details** 

## **AIRTEL**

## V. TRAI My Speed App Test **Details-4G**

Techology-4G/VoLTE	RTO Office	Govt Medical College	Collector Office	Railway Station	Bus Stand	MGM College of Engg
Download Speed (Mbps)	42.21	16.66	19.55	17.86	12.61	183.51
Upload Speed (Mbps)	19.79	12.93	27.07	7.47	5.75	40.41
Latency	41.3	47.3	43.3	40.5	61.9	33.3
<b>RTO Office</b>	(	Govt Medic	al College	C	Collector C	Office



#### **Railway Station**









#### **Collector Office**





## V. TRAI MySpeed App Test Details-3G/4G

Techology-4G/VoLTE	RTO Office	Govt Medical College	Collector Office	Railway Station	Bus Stand	MGM College of Engg
Download Speed (Mbps)	5.69	6.62	6.11	2.93	2.66	1.54
Upload Speed (Mbps)	5.56	6.74	2.61	4.93	0.49	4.87
Latency(ms)	72.1	74.7	55.1	71.3	46.5	74.0

#### **RTO Office**



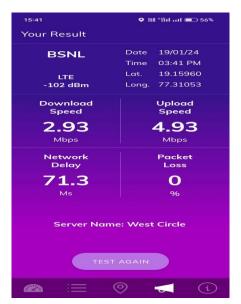
#### **Govt Medical College**



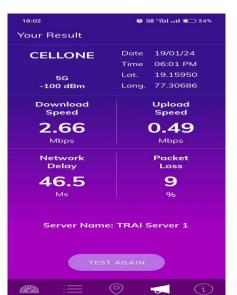
#### **Collector Office**



#### **Railway Station**



#### **Bus Stand**



16:56	S X88 **	\$111 📼 44%		
Your Result				
CELLONE	Date 1	9/01/24		
	Time C	4:56 PM		
LTE	Lat. 1	9.17927		
-97 dBm	Long. 7	7.32721		
Download Speed		pload Speed		
1.54	4	.87		
Mbps		Mbps		
Network	F	acket		
Delay		Loss		
74.0		0		
Ms		%		
Server Name: TRAI Server 1				
	0			

Jio

## V. TRAI MySpeed App Test Details-4G

Techology-4G	RTO Office	Govt Medical College	Collector Office	Railway Station	Bus Stand	MGM College of Engg
Download Speed (Mbps)	24.22	17.21	12.96	8.02	6.23	41.33
Upload Speed (Mbps)	10.35	16.49	10.94	13.09	9.14	66.37
Latency	50	29	28	32	30	28

#### **RTO Office**

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Download Speed	Upload Speed
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National Delay	Packet Loss
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#### **Govt Medical College**



#### **Collector Office**

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	RESULT
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Download Speed	Upload
12.96 Mige	10.94 Main
Notwich Delay	Packet Loss
28	0

#### **Railway Station**

JIO	Date HirlS1/8884 Tese 15:37 Las. 77.51043
Download Speed	Las 15 10000 Upload Speed
8.02	13.09
Natwork Delay 32	Packet Lose

**Bus Stand** 

ADRI	RRESULT
JIO	Date 19/01/0004 Total 10/13 Lon, 77,30776 Lot, 19,10005
Download Speed	Uptown
6.23	9.14 Mass
National Delay	Packet Loss
30	2
	are - Regeler
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e Your	RESULT
JIO	Date Territorial Territorial Las Problem Las Sectorial
Doversioned Reveal 41.33 Mises	66.37
Partwood Declay 28	Packet Loss
	erne - Nasgever Finlanse

## **VODAFONE IDEA**

## V. TRAI MySpeed App Test Details-2G

Techology-2G	RTO Office	Govt Medical College	Collector Office	Railway Station	Bus Stand	MGM College of Engg
Download Speed (Mbps)	0.04	0.03	0.02	0.15	0.07	0.05
Upload Speed (Mbps)	0.02	0.01	0.02	0.17	0.13	0.06
Latency	192.5	NA	NA	NA	119.8	NA

#### **RTO Office**

10:09 🕒 🕫 🧰	\$ <u>\$</u> % क ≝II @			
Your Result				
Vi India	Date 19/01/24			
	Time 10:09 AM			
EDGE	Lat. 19.11506			
-63 dBm	Long. 77.33429			
Download	Upload			
Speed	Speed			
0.04	0.02			
Mbps	Mbps			
Network	Packet			
Delay	Loss			
192.5	0			
Ms	%			
Server Name: TRAI Server 1 TEST AGAIN				

#### **Railway Station**

4:08 🕲 🌲 🕶 📕		189 No ".ul .ul 💷			
Your Result					
Vi India	Date	19/01/24			
	Time	04:08 PM			
EDGE	Lat.	19.16011			
-61 dBm	Long.	77.31002			
Download Speed		Upload Speed			
		and the second second			
0.15		0.17			
Mbps		Mbps			
Network		Packet			
Delay		Loss			
N.A.		0			
Ms		%			
Server Name: West Circle-1					
TEST AGAIN					

#### **Govt Medical College**

12:20 🕓 📒 🎯 🕏		5.00 Ha ".ul .ul @D			
Your Result					
N.A.	Date	19/01/24			
	Time	12:20 PM			
EDGE	Lat.	19.11125			
-73 dBm	Long.	77.28945			
Download Speed		Upload Speed			
0.03		0.01			
Mbps		Mbps			
Network Delay		Packet Loss			
N.A.		N.A.			
Ms		%			
Server Name: TRAI Server 1 TEST AGAIN					

#### **Bus Stand**

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Your Result		
Vi India	Date 19/01/24	
	Time 07:04 PM	
EDGE	Lat. 19.15980	
-51 dBm	Long. 77.30652	
Download	Upload	
Speed	Speed	
0.07	0.13	
Mbps	Mbps	
Network	Packet	
Delay	Loss	
119.8	0	
Ms	%	
Server Name: TRAI Server 1		
TEST AGAIN		

#### **Collector Office**

Date 19/01/24		
Date 19/01/24		
Time 01:49 PM		
Lat. 19.15462		
Long. 77.31260		
Upload		
Speed		
0.02		
Mbps		
Packet		
Loss		
N.A.		
%		
Server Name: TRAI Server 1 TEST AGAIN		

5:22 🕲 🛎 🚥 🖬 📕	•	😳 🕷 "ll 📼
Your Result		
N.A.	Date Time	
EDGE -77 dBm	Lat. Long.	19.17908 77.32714
Download Speed		Upload Speed
<b>0.05</b>		0.06 Mbps
Network Delay		Packet Loss
N.A.		0
Ms		%
Server Name:	TRAI	Server 2
TEST	AGAIN	

## **VODAFONE IDEA**

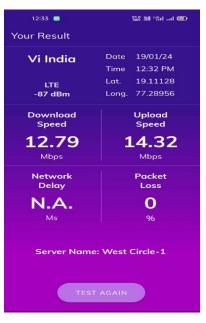
## V. TRAI MySpeed App Test Details-4G

Techology-4G/VoLTE	RTO Office	Govt Medical College	Collector Office	Railway Station	Bus Stand	MGM College of Engg
Download Speed (Mbps)	20.92	12.79	17.23	22.76	29.44	8.13
Upload Speed (Mbps)	22.05	14.32	16.21	4.40	5.00	4.83
Latency	NA	NA	NA	NA	NA	62.9

#### **RTO Office**



#### **Govt Medical College**



#### **Collector Office**

1:39 🌲 🕒 👽 🛃 1	955 KB *5111 @D	
Your Result		
Vi India	Date 19/01/24	
	Time 01:39 PM	
LTE	Lat. 19.15465	
-90 dBm	Long. 77.31261	
Download	Upload	
Speed	Speed	
17.23	16.21	
Mbps	Mbps	
Network	Packet	
Delay	Loss	
N.A.	0	
Ms	%	
Server Name: West Circle-1 TEST AGAIN		

#### **Railway Station**



#### **Bus Stand**

e 19/01/24 e 07:05 PM 19.15980 g. 77.30652
e 07:05 PM 19.15980
19.15980
g. 77.30652
Upload Speed
5.00
Mbps
Packet
Loss
0
%

5:18 🕒 🖷 🚥 🗉 📕	• 222 MB *5111 @	
Your Result		
Vi India	Date 19/01/24 Time 05:18 PM	
LTE -82 dBm	Lat. 19.17908 Long. 77.32714	
Download Speed	Upload Speed	
8.13	<b>4.83</b>	
Network Delay	Packet Loss	
62.9	0	
Ms	%	
Server Name: TRAI Server 1 TEST AGAIN		