



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators April – June, 2021

New Delhi, India

21st October 2021

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Snapshot

(Data as on Q.E. 30 th June, 2021)	
Telecom Subscribers (Wireless+Wireline)	
Total Subscribers	1,202.57 Million
% change over the previous quarter	0.11%
Urban Subscribers	666.10 Million
Rural Subscribers	536.47 Million
Market share of Private Operators	89.27%
Market share of PSU Operators	10.73%
Tele-density	88.07%
Urban Tele-density	140.86%
Rural Tele-density	60.10%
Wireless Subscribers	
Total Wireless Subscribers	1,180.83 Million
% change over the previous quarter	-0.01%
Urban Subscribers	646.29 Million
Rural Subscribers	534.54 Million
Market share of Private Operators	89.95%
Market share of PSU Operators	10.05%
Tele-density	86.48%
Urban Tele-density	136.67%
Rural Tele-density	59.89%
Total Wireless Data Usage during the quarter	32,397 PB
Number of Public Mobile Radio Trunk Services (PMRTS)	63,563
Number of Very Small Aperture Terminals (VSAT)	2,89,392
Wireline Subscribers	
Total Wireline Subscribers	21.74 Million
% change over the previous quarter	7.39%
Urban Subscribers	19.80 Million
Rural Subscribers	1.93 Million
Market share of PSU Operators	47.60%
Market share of Private Operators	52.40%
Tele-density	1.59%
Rural Tele-density	0.22%
Urban Tele-density	4.19%
No. of Village Public Telephones (VPT)	68,606
No. of Public Call Office (PCO)	120,175

Telecom Financial Data	
Gross Revenue (GR) during the quarter	Rs.64,801 Crore
% change in GR over the previous quarter	-2.97%
Adjusted Gross Revenue (AGR) during the quarter	Rs.51,335 Crore
% change in AGR over the previous quarter	5.66%
Share of Public sector undertakings in Access AGR	6%
Internet/Broadband Subscribers	
Total Internet Subscribers	833.71 Million
% change over previous quarter	1.02%
Narrowband subscribers	40.93 Million
Broadband subscribers	792.78 Million
Wired Internet Subscribers	23.58 Million
Wireless Internet Subscribers	810.13 Million
Urban Internet Subscribers	496.84 Million
Rural Internet Subscribers	336.87 Million
Total Internet Subscribers per 100 population	61.06
Urban Internet Subscribers per 100 population	105.06
Rural Internet Subscribers per 100 population	37.74
Broadcasting & Cable Services	
Number of private satellite TV channels permitted by the Ministry of I&B for uplinking only/downlinking only/both uplinking and downlinking	915
Number of Pay TV Channels as reported by broadcasters	346
Number of private FM Radio Stations (excluding All India Radio)	384
Number of total active subscribers with pay DTH operators	69.86 Million
Number of Operational Community Radio Stations	333
Number of pay DTH Operators	4
Revenue & Usage Parameters	
Monthly ARPU of Wireless Service	Rs.104.66
Minutes of Usage (MOU) per subscriber per month - Wireless Service	813 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	153.57 Million
Wireless Data Usage	
Average Wireless Data Usage per wireless data subscriber per month	14.10 GB
Average revenue realization per subscriber per GB wireless data during the quarter	Rs.9.80

* For ARPU explanation please refer to footnote on Page 52

Executive Summary

1. The number of telephone subscribers in India increased from 1,201.20 million at the end of Mar-21 to 1,202.57 million at the end of Jun-21, registering a growth rate of 0.11% over the previous quarter. This reflects Year-On-Year (Y-O-Y) growth rate of 3.62% over the same quarter of the last year. The overall Tele-density in India decreased from 88.17% as in QE Mar-21 to 88.07% as in QE Jun-21.

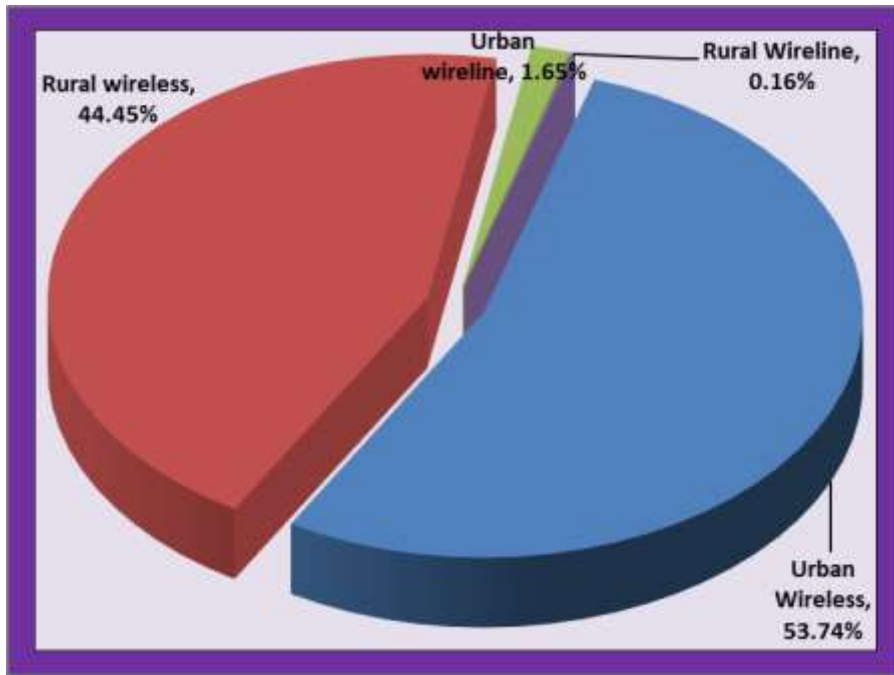
Trends in Telephone subscribers and Tele-density in India



2. Telephone subscribers in Urban areas increased from 663.77 million at the end of Mar-21 to 666.10 million at the end of Jun-21 however, Urban Tele-density decreased from 141.03% to 140.86% during the same period.
3. Rural telephone subscribers decreased from 537.42 million at the end of Mar-21 to 536.47 million at the end of Jun-21 and Rural Tele-density also decreased from 60.27% to 60.10% during the same period.

4. Out of the total subscription, the share of Rural subscription decreased from 44.74% at the end of Mar-21 to 44.61% at the end of Jun-21.

Composition of Telephone Subscribers

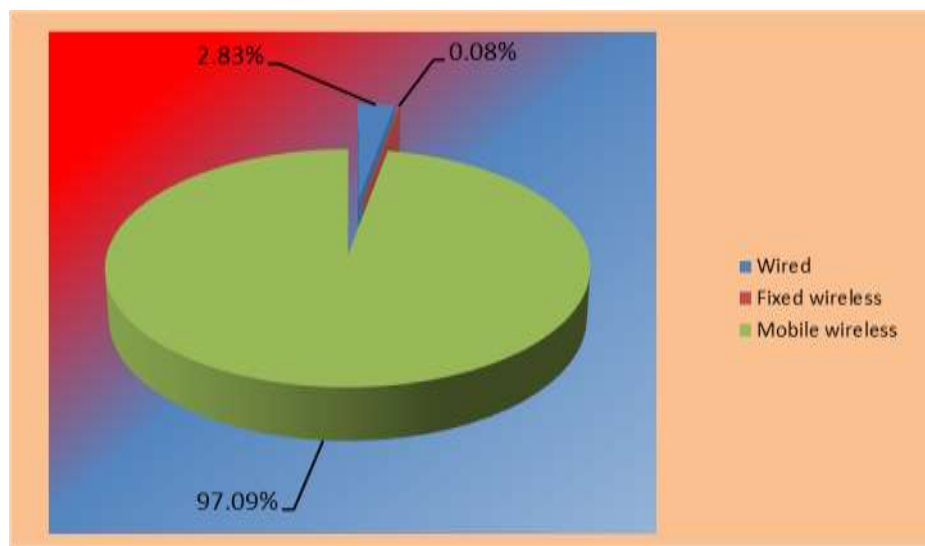


5. With a net decrease of 0.12 million subscribers during the quarter, the total wireless subscriber base decreased from 1,180.96 million at the end of Mar-21 to 1,180.83 million at the end of Jun-21, registering a decline rate of 0.01% over the previous quarter. On Y-O-Y basis, wireless subscriptions increased at the rate of 3.52% during the year.
6. Wireless Tele-density decreased from 86.68% at the end of Mar-21 to 86.48% at the end of Jun-21 with quarterly decline rate of 0.24%.
7. Wireline subscribers increased from 20.24 million at the end of Mar-21 to 21.74 million at the end of Jun-21 with a quarterly

growth rate of 7.39% and, on Y-O-Y basis, wireline subscriptions also increased by 9.72% at the end of QE Jun-21.

8. Wireline Tele-density increased from 1.49% at the end of Mar-21 to 1.59% at the end of Jun-21 with quarterly growth rate of 7.15%.
9. Total number of Internet¹ subscribers increased from 825.30 million at the end of Mar-21 to 833.71 million at the end of Jun-21, registering a quarterly growth rate of 1.02%. Out of 833.71 million internet subscribers, number of Wired Internet subscribers are 23.58 million and number of Wireless Internet subscribers are 810.13 million.

Composition of internet subscription



10. The Internet subscriber base is comprised of Broadband² Internet subscriber base of 792.78 million and Narrowband³ Internet subscriber base of 40.93 million.

¹ Internet: Interconnected global networks that use the internet protocol.

² Broadband: Internet access with a minimum capacity of greater or equal 512 Kbit/s in one or both directions.

³ Narrowband: Internet access with a capacity of less than 512 Kbit/s in one or both directions.

(Source-ITU)

11. The broadband Internet subscriber base increased by 1.89% from 778.09 million at the end of Mar-21 to 792.78 million at the end of Jun-21. However, the narrowband Internet subscriber base declined by 13.30% from 47.21 million at the end of Mar-21 to 40.93 million at the end of Jun-21.
12. Monthly Average Revenue per User (ARPU)⁴ for wireless service increased by 1.04%, from Rs.103.58 in QE Mar-21 to Rs.104.66 in QE Jun-21. On Y-O-Y basis, monthly ARPU for wireless service increased by 16.13% in this quarter.
13. Prepaid ARPU per month increased from Rs.97 in QE Mar-21 to Rs.99 in QE Jun-21, however, Postpaid ARPU per month decreased from Rs.226 in QE Mar-21 to Rs.215 in QE Jun-21.
14. On all India average, the overall Minutes of Usage (MOU)⁵ per subscriber per month for wireless service decreased by 0.60% from 818 in QE Mar-21 to 813 in QE Jun-21.
15. Prepaid MOU per subscriber per month decreased from 829 in QE Mar-21 to 822 in QE Jun-21. Postpaid MOU per subscriber per month increased from 597 in QE Mar-21 to 640 in QE Jun-21.
16. Gross Revenue⁶ (GR) and Adjusted Gross Revenue⁷ (AGR) of Telecom Service Sector for the Q.E. Jun-21 has been Rs.64,801/-

⁴ ARPU per month is calculated by dividing net subscribers' revenue by average number of subscribers.

⁵ MOU per subscriber per month is calculated by dividing total minutes of usage (incoming & outgoing) by average number of subscribers.

⁶ Gross Revenue is inclusive of installation charges, late fees, sale proceeds of handsets (or any other terminal equipment etc.), revenue on account of interest, dividend, value added services, supplementary services, access or interconnection charges, roaming charges, revenue from permissible sharing of infrastructure and any other miscellaneous revenue, without any set-off for related item of expense etc.

⁷ Adjusted Gross Revenue: The following shall be excluded from the Gross Revenue to arrive at the AGR:

Crore and Rs.51,335/- Crore respectively. GR decreased by 2.97% and AGR increased by 5.66% in Q.E. Jun-21, as compared to previous quarter.

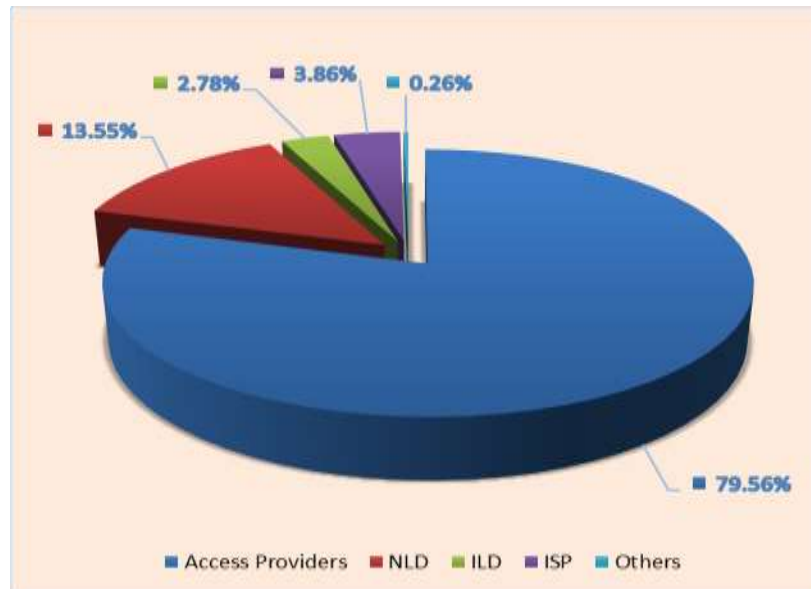
17. The Y-O-Y growth in GR and AGR in Q.E. Jun-21 over the same quarter in last year has been -3.08% and 16.33% respectively.
18. Pass-through⁸ charges decreased from Rs.18,196 Crore in QE Mar-21 to Rs.13,466 Crore in QE Jun-21 with quarterly decline rate of 26%. The Y-O-Y decline rate of 40.76% has been recorded in pass-through charges for QE Jun-21.
19. The License Fee⁹ increased from Rs.3,979 Crore for the QE Mar-21 to Rs.4,103 Crore for the QE Jun-21. The quarterly and the Y-O-Y growth rates of license fee are 3.13% and 16.36% respectively in this quarter.

-
- I. PSTN related call charges (Access Charges) actually paid to other eligible/entitled telecommunication service providers within India;
 - II. Roaming revenues actually passed on to other eligible/entitled telecommunication service providers; and
 - III. Service Tax on provision of service and Sales Tax actually paid to the Government if gross revenue had included as component of Sales Tax and Service Tax

⁸ Pass through charges means the charges excluded from gross revenue to arrive at adjusted gross revenue for the purpose of levying licence fee.

⁹ License Fee means a fee payable by Licensee at prescribed intervals and rates for the period of the Licence.

Service-wise composition of Adjusted Gross Revenue



20. Access services contributed 79.56% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR), Adjusted Gross Revenue (AGR), License Fee Spectrum Usage Charges (SUC)¹⁰ and Pass Through Charges increased by -0.13%, 5.78%, 3.49%, 6.14% and -19.39% respectively in QE Jun-21.
21. The performance of wireline service providers in terms of QoS during the quarter vis-à-vis that in the previous quarter is given below: -

¹⁰ Spectrum Usage Charge is payable by the licensees providing mobile access services, as a percentage of their Adjusted Gross Revenue (AGR).

(Source – DoT License Agreement)

Parameters showing improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> ❖ Fault incidences No. of faults per 100 subs/month) ≤ 7 ❖ % Fault repaired by next working day (for urban areas) $\geq 85\%$ 	<ul style="list-style-type: none"> ❖ “Mean time to Repair” (MTTR) ≤ 10Hs ❖ Accessibility of call centre/ customer care $\geq 95\%$ ❖ %age of calls answered by the operators (voice to voice) within 90 seconds $\geq 95\%$ ❖ Time taken for refund of deposits after closures 100% within 60 days

22. The performance of Cellular Mobile service providers in terms of Quality of Service (QoS) during the quarter vis-à-vis that in the previous quarter is given as below: -

Parameters showing improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> ❖ %age of calls answered by the operators (voice to voice) within 90 Seconds 	<ul style="list-style-type: none"> ❖ Period of applying credit/ waiver/ adjustment to customer’s account from the date of resolution of complaints ❖ Accessibility of call centre/customer care ❖ %age requests for Termination / Closure of service complied within 7 days

23. A total number of 915 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking only/both uplinking and downlinking, as on 30th June, 2021.

24. As per the reporting done by broadcasters in pursuance of the Telecommunication (Broadcasting and Cable) Services (Eighth) (Addressable Systems) Tariff Order, 2017 dated 3rd March 2017, as amended, there are 346 satellite pay channels as on 30th June 2021, which include 252 SD (standard definition) satellite pay TV channels and 94 HD (high definition) satellite Pay TV channels.

25. Since the introduction of DTH Sector in the year 2003, Indian DTH (direct-to-home) services have displayed a phenomenal growth. During the QE 30th June 2021, there were 4 pay DTH service providers in the country.
26. Pay DTH has attained total active subscriber base of around 69.86 million in QE 30th June 2021. This is in addition the subscribers of DTH Free Dish (free DTH services of Doordarshan).
27. Apart from the radio stations operated by All India Radio – the public broadcaster, as on 30th June 2021, there are 384 operational private FM Radio stations in 111 cities with operational 34 Private FM Radio broadcasters.
28. The reported advertisement revenue during the quarter ending 30th June 2021 in respect of 384 private FM Radio stations is Rs.148.02 crore as against Rs.321.52 crore in respect of 365 private FM Radio stations for the previous quarter.
29. As per data received from MIB, as on 30th June 2021, 333 Community Radio Stations are operational in the country.

Trends at a Glance

A. Access Service (Wireline + Wireless)									
	QE Jun 2020	QE Sep 2020	QE Dec 2020	QE Mar 2021	QE Jun 2021	%age change over Jun-2020	%age change over Sep-2020	%age change over Dec-2020	%age change over Mar-2021
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber Base (in million)									
Wireline	19.81	20.08	20.05	20.24	21.74	9.72%	8.26%	8.40%	7.39%
Wireless	1140.71	1148.58	1153.77	1180.96	1180.83	3.52%	2.81%	2.35%	-0.01%
Total	1160.52	1168.66	1173.83	1201.20	1202.57	3.62%	2.90%	2.45%	0.11%
Rural	523.69	524.39	525.92	537.42	536.47	2.44%	2.30%	2.01%	-0.18%
Urban	636.83	644.26	647.91	663.77	666.10	4.60%	3.39%	2.81%	0.35%
2) Tele-density									
Wireline	1.47	1.48	1.48	1.49	1.59	8.62%	7.47%	7.88%	7.15%
Wireless	84.38	84.74	84.90	86.68	86.48	2.49%	2.05%	1.86%	-0.24%
Total	85.85	86.22	86.38	88.17	88.07	2.59%	2.14%	1.96%	-0.11%
Rural	58.96	58.96	59.05	60.27	60.10	1.94%	1.94%	1.78%	-0.28%
Urban	137.35	138.25	138.34	141.03	140.86	2.55%	1.88%	1.82%	-0.12%
3) Service Provider wise Subscribers Base (in Million) (wireless+wireline)									
Bharti Airtel	320.94	331.03	343.27	357.17	357.05	11.25%	7.86%	4.01%	-0.03%
Vodafone Idea	305.56	296.00	284.78	284.23	273.88	-10.37%	-7.47%	-3.83%	-3.64%
Reliance Jio	398.70	406.21	411.53	426.25	440.59	10.50%	8.46%	7.06%	3.36%
BSNL	126.48	126.73	125.88	125.28	122.88	-2.85%	-3.04%	-2.38%	-1.91%
MTNL	6.44	6.37	6.28	6.20	6.15	-4.51%	-3.42%	-2.03%	-0.80%
Tata Tele.	1.73	1.71	1.66	1.63	1.61	-6.79%	-5.85%	-2.89%	-1.12%
Reliance Com.	0.48	0.43	0.23	0.22	0.21	-56.54%	-51.60%	-10.32%	-5.20%
Quadrant	0.18	0.19	0.20	0.22	0.21	15.99%	10.63%	1.20%	-5.12%
Total	1160.52	1168.66	1173.83	1201.20	1202.57	3.62%	2.90%	2.45%	0.11%

B. Internet Services									
	QE Jun 2020	QE Sep 2020	QE Dec 2020	QE Mar 2021	QE Jun 2021	%age change over Jun-2020 (12 months)	%age change over Sep-2020 (9 months)	%age change over Dec-2020 (6 months)	%age change over Mar-2021 (3 months)
1) Subscriber's Base (in million)									
A. Wired Internet Subscribers	23.06	24.36	25.54	26.00	23.58	2.24%	-3.22%	-7.68%	-9.31%
B. Wireless Internet Subscribers	726.01	752.09	769.64	799.31	810.13	11.59%	7.72%	5.26%	1.35%
i. Mobile Wireless (Mobile & Dongle)	725.38	751.45	768.99	798.63	809.48	11.59%	7.72%	5.27%	1.36%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.63	0.64	0.66	0.68	0.66	3.51%	2.40%	-0.19%	-3.06%
Total Internet Subscribers	749.07	776.45	795.18	825.30	833.71	11.30%	7.37%	4.84%	1.02%
2) No. of Internet Subs per 100 Population	55.41	57.29	58.51	60.73	61.06	10.19%	6.58%	4.35%	0.54%
C. Usage and Revenue for Wireless Services									
Traffic (MOU) (minutes of uses/subscriber/month)	744	761	785	818	813	9.28%	6.75%	3.50%	-0.60%
ARPU (Rs./sub/month)	90	97	102	104	105	16.14%	8.04%	2.96%	1.04%
D. Telecom Financial Data									
	QE Jun 2020	QE Sep 2020	QE Dec 2020	QE Mar 2021	QE Jun 2021	%age change over Jun-2020 (12 months)	%age change over Sep-2020 (9 months)	%age change over Dec-2020 (6 months)	%age change over Mar-2021 (3 months)
1. Telecom Sector									
i) Gross Revenue (Rs.in Crores)	66858	68228	71588	66784	64801	-3.08%	-5.02%	-9.48%	-2.97%
ii) Adjusted Gross Revenue (Rs. in Crores)	44128	45707	47623	48587	51335	16.33%	12.31%	7.79%	5.66%
2. Access Services									
Adjusted Gross Revenue (Rs. in Crores)	34328	36318	38273	38608	40840	18.97%	12.45%	6.71%	5.78%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending 30th June, 2021. It provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. Chapter-1 depicts the growth pattern, in terms of Subscriber base and Tele-density of Wireline, Wireless, Internet and Value Added Services (VAS) as well as Wireless Data Usage. Chapter-2 covers the key revenue and usage parameters. Chapter-3 gives the financial and accounting data. Chapter-4 covers performance of various telecom service providers in terms of QoS. The information relating to Cable TV, DTH & Radio Broadcast services is provided in Chapter-5.

2. The Report has been prepared based on the information furnished by the Service Providers. It is also available on TRAI's website (www.trai.gov.in) and under the link <http://www.trai.gov.in/release-publication/reports/performance-indicators-reports>). Any suggestion or any clarification pertaining to this report, Pr. Advisor (F&EA), TRAI may be contacted on Tel. +91-11-23221856, Fax. +91-11-23235249 and e-mail: mptangirala@traigov.in

Chapter 1 :

Subscription Data

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- In this report, Tele-density figures are derived from the subscriber data provided by the operators and projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 – 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf

Section A : Access Service - An Overview

1.1 The number of telephone subscribers in India increased from 1,201.20 million at the end of Mar-21 to 1,202.57 million at the end of Jun-21, registering a growth rate of 0.11% over the previous quarter. This reflects year-on-year (Y-O-Y) growth rate of 3.62% over the same quarter of last year. The overall Tele-density in India decreased from 88.17% as on 31st March, 2021 to 88.07% as on 30th June, 2021 with quarterly decline rate of 0.11%.

Chart 1.1: Trends in Telephone Subscribers and Tele-density in India

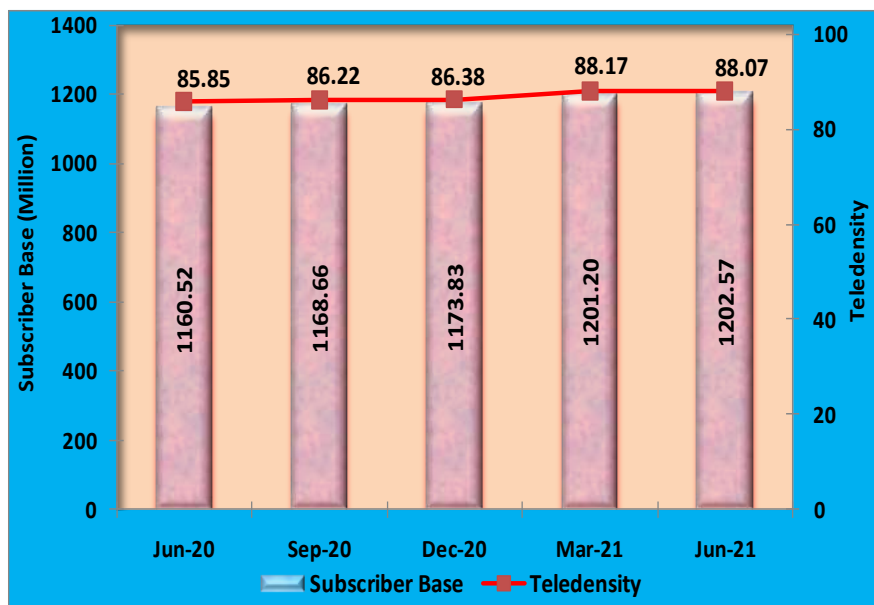
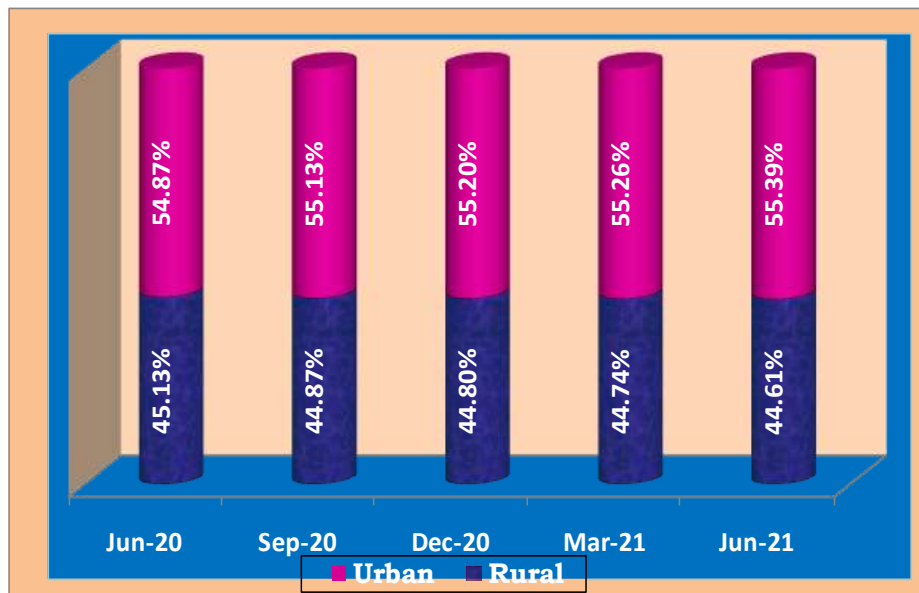


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density (%)	
	Rural	Urban	Rural	Urban
Jun-20	523.69	636.83	58.96	137.35
Sep-20	524.39	644.26	58.96	138.25
Dec-20	525.92	647.91	59.05	138.34
Mar-21	537.42	663.77	60.27	141.03
Jun-21	536.47	666.10	60.10	140.86

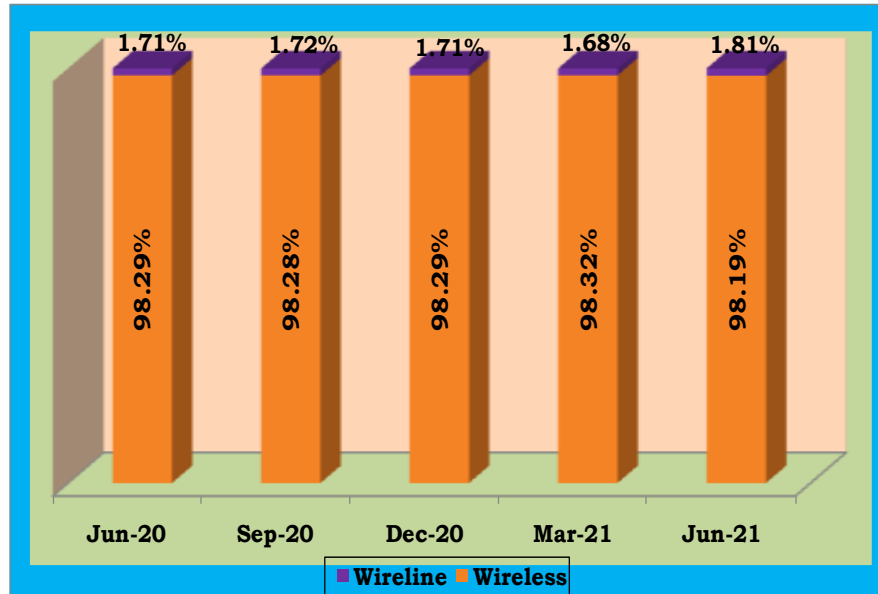
- 1.2 Telephone subscription in Urban areas increased from 663.77 million at the end of Mar-21 to 666.10 million at the end of Jun-21 however, Urban Tele-density decreased from 141.03% to 140.86% at the end of the quarter.
- 1.3 Rural telephone subscription decreased from 537.42 million at the end of Mar-21 to 536.47 million at the end of Jun-21 and Rural Tele-density also decreased from 60.27% to 60.10% at the end of the quarter.
- 1.4 The Y-O-Y growth rates of Urban and Rural telephone subscriptions from Jun-20 to Jun-21 are 4.60% and 2.44% respectively. The Y-O-Y growth rates of Urban and Rural Tele-density from Jun-20 to Jun-21 are 2.55% and 1.94% respectively.

Chart 1.2: Market Share - Rural & Urban Subscribers



- 1.5 Share of subscriptions of rural areas in the total telephone subscriptions decreased from 44.74% at the end of Mar-21 to 44.61% at the end of Jun-21.

Chart 1.3: Composition of Access subscription - Wireline & Wireless



1.6 Share of wireline subscription in total telephone subscription increased from 1.68% at the end of Mar-21 to 1.81% at the end of Jun-21.

Chart 1.4: Composition of Rural-Urban Telephone Subscription at the end of the quarter

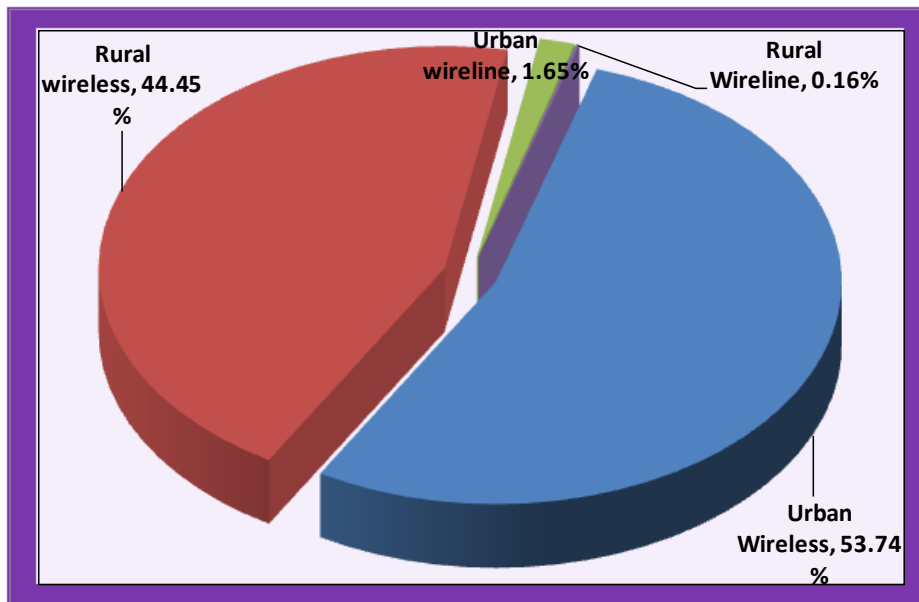


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

Service Area	Subscribers (million)			
	Mar-21	Jun-21	Net Additions	Rate of Growth
Andhra Pradesh	90.14	89.30	-0.84	-0.93%
Assam	24.85	25.23	0.37	1.50%
Bihar	86.71	86.99	0.29	0.33%
Delhi	57.95	58.02	0.08	0.13%
Gujarat	70.36	70.96	0.60	0.85%
Haryana	28.19	28.32	0.12	0.44%
Himachal Pradesh	11.28	10.96	-0.32	-2.84%
Jammu & Kashmir	12.21	12.14	-0.07	-0.58%
Karnataka	70.79	70.11	-0.68	-0.97%
Kerala	46.04	46.44	0.39	0.86%
Madhya Pradesh	78.59	79.29	0.69	0.88%
Maharashtra	96.17	95.93	-0.25	-0.26%
Mumbai	40.71	40.29	-0.42	-1.03%
North East	12.55	12.62	0.07	0.55%
Odisha	34.56	35.04	0.48	1.39%
Punjab	39.54	39.64	0.10	0.26%
Rajasthan	66.77	66.10	-0.67	-1.01%
Tamil Nadu	84.65	84.70	0.05	0.06%
U.P.(E)	101.17	101.88	0.71	0.70%
U.P.(W)	64.03	64.22	0.19	0.29%
Kolkata	27.35	26.96	-0.39	-1.43%
West Bengal	56.57	57.44	0.87	1.53%
All India	1,201.20	1,202.57	1.37	0.11%

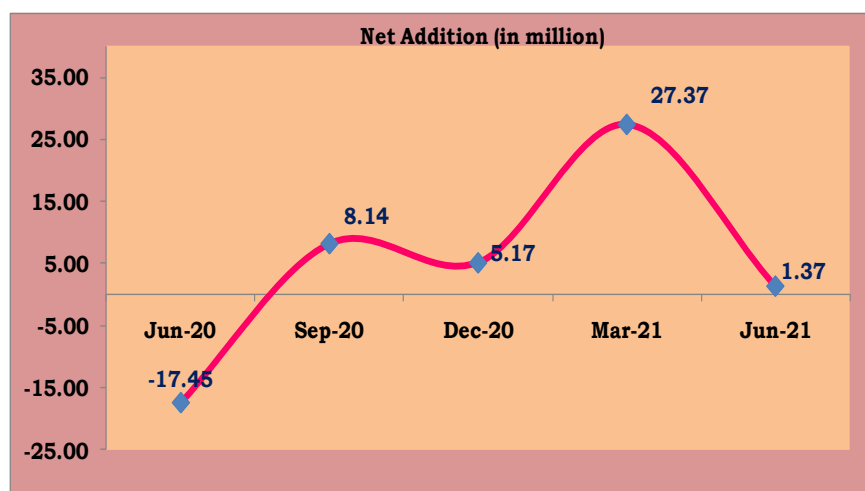
1.7 All service areas, except Andhra Pradesh, Himachal Pradesh, Jammu & Kashmir, Karnataka, Maharashtra, Mumbai, Rajasthan and Kolkata showed growth in their subscriber base during the quarter ending Jun-21. West Bengal service area showed maximum growth of 1.53% during the quarter.

Table 1.3: Service Area wise Rural-Urban Subscribers at QE Jun-21

Service Area	Number of Subscribers (in million)			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	89.30	44.73	44.57	50.09%
Assam	25.23	15.92	9.31	63.10%
Bihar	86.99	57.26	29.74	65.82%
Delhi	58.02	1.89	56.13	3.26%
Gujarat	70.96	27.89	43.07	39.31%
Haryana	28.32	12.54	15.77	44.30%
Himachal Pradesh	10.96	7.40	3.57	67.47%
Jammu & Kashmir	12.14	5.69	6.44	46.92%
Karnataka	70.11	27.50	42.61	39.23%
Kerala	46.44	20.46	25.98	44.05%
Madhya Pradesh	79.29	35.62	43.67	44.92%
Maharashtra	95.93	43.84	52.09	45.70%
Mumbai	40.29	1.38	38.90	3.44%
North East	12.62	6.67	5.96	52.82%
Odisha	35.04	22.99	12.04	65.63%
Punjab	39.64	13.39	26.26	33.77%
Rajasthan	66.10	36.21	29.89	54.79%
Tamil Nadu	84.70	24.78	59.92	29.26%
U.P.(E)	101.88	63.07	38.82	61.90%
U.P.(W)	64.22	30.54	33.68	47.56%
Kolkata	26.96	1.77	25.18	6.58%
West Bengal	57.44	34.93	22.51	60.81%
All India	1,202.57	536.47	666.10	44.61%

1.8 Only nine service areas have more than 50% share of rural subscribers in their total number of subscribers. Himachal Pradesh service area has maximum share of rural subscribers (67.47%) in its total telephone subscribers.

Chart 1.5: Trend of Net Addition/decline in Telephone Subscription



1.9 The net increase in telephone subscription is 1.37 million during QE Jun-21 as compared to the net addition of 27.37 million during QE Mar-21.

Table 1.4 : Service Area wise Tele-density

Service Area/ States	As on 31 st March, 2021			As on 30 th June, 2021		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
Andhra Pradesh	82.59	125.04	99.56	82.45	122.51	98.53
Assam	52.82	170.52	70.86	53.49	172.41	71.75
Bihar	41.56	119.81	53.61	41.70	118.81	53.59
Delhi	-	-	281.25	-	-	280.28
Gujarat	76.62	123.36	99.18	75.92	125.02	99.68
Haryana	71.82	129.69	95.53	71.96	129.59	95.65
Himachal Pradesh	113.88	490.11	152.50	111.28	468.69	147.99
J&K	59.23	158.50	89.01	59.35	155.73	88.33
Karnataka	72.96	148.59	105.85	72.81	145.85	104.66
Kerala	199.49	101.18	129.45	203.64	101.65	130.43
Madhya Pradesh	43.46	133.59	68.87	43.36	135.11	69.26

Service Area/ States	As on 31 st March, 2021			As on 30 th June, 2021		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
Maharashtra (incl. Mumbai)*	70.25	149.54	108.57	69.37	148.84	107.83
North East	63.81	115.38	81.11	64.82	113.92	81.37
Orissa	62.74	147.63	78.46	64.06	147.15	79.49
Punjab	76.05	189.54	125.27	74.90	191.08	125.40
Rajasthan	62.36	145.05	84.14	61.81	142.39	83.07
Tamil Nadu	68.67	143.64	108.53	67.96	144.06	108.51
Uttar Pradesh (incl. UPE & UPW)*	51.18	120.96	68.12	50.87	122.60	68.31
West Bengal (incl. Kolkata)*	57.31	132.84	84.56	57.89	132.65	84.94
All India	60.27	141.03	88.17	60.10	140.86	88.07

* Population data/projections are available state-wise only.

Notes:-

1. Tele-density figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country are taken from projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 – 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
2. Delhi Service area, apart from the State of Delhi, includes wireless subscribers of the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana).
3. Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatisgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura states.

1.10 Kerala service area has the highest Rural Tele-density of 203.64 followed by Himachal Pradesh service area of 111.28. Bihar service area has the lowest Rural Tele-density of 41.70 followed by Madhya Pradesh service area with rural tele-density of 43.36 in QE Jun-21.

Table 1.5 : State/UT wise subscriber base (wireline+wireless)

Sl. No.	States/UT	Total Telephone Subscription (million)		
		Total	Rural	Urban
1	Andhra Pradesh	46.57	26.22	20.35
2	Arunachal Pradesh	1.38	0.87	0.51
3	Assam	25.23	15.92	9.31
4	Bihar	64.12	44.88	19.24
5	Chhattisgarh	21.20	10.31	10.88
6	Goa	2.34	0.80	1.54
7	Gujarat	70.01	27.55	42.46
8	Haryana	34.52	12.60	21.93
9	Himachal Pradesh	10.96	7.40	3.57
10	Jharkhand	22.87	12.38	10.50
11	Karnataka	70.11	27.50	42.61
12	Kerala	46.36	20.42	25.94
13	Madhya Pradesh	58.09	25.30	32.79
14	Maharashtra Incl. Mumbai	133.87	44.42	89.45
15	Manipur	2.45	1.12	1.33
16	Meghalaya	2.48	1.48	1.00
17	Mizoram	1.43	0.66	0.78
18	Nagaland	1.66	0.98	0.68
19	Odisha	35.04	22.99	12.04
20	Punjab	37.70	13.34	24.36
21	Rajasthan	66.10	36.21	29.89
22	Sikkim	0.97	0.57	0.40
23	Tamil Nadu	83.52	24.45	59.07
24	Telangana	42.73	18.51	24.22
25	Tripura	3.22	1.57	1.65
26	Uttar Pradesh (UPE + UPW)	161.22	86.99	74.23
27	Uttarakhand	13.21	6.62	6.59
28	West Bengal Incl. Kolkata	82.95	35.97	46.98
Union Territories				
1	Andaman & Nicobar Islands	0.48	0.17	0.32
2	Chandigarh	1.95	0.04	1.90
3	Dadra and Nagar Haveli and Daman and Diu	0.95	0.34	0.61
4	Delhi	43.49	1.83	41.65
5	Jammu & Kashmir	11.59	5.46	6.13
6	Ladakh	0.54	0.23	0.31
7	Lakshdweep	0.08	0.04	0.045
8	Puduchery	1.18	0.33	0.85
Total		1202.57	536.47	666.10

Table 1.6 : State/UT wise total Tele-density

Sl.No.	State/UT	Total Tele-density (%)		
		Total	Rural	Urban
1	Andhra Pradesh	88.12	131.16	237.76
2	Arunachal Pradesh	89.66	75.42	131.80
3	Assam	71.75	53.49	172.41
4	Bihar	51.84	41.30	128.06
5	Chhattisgarh	71.59	47.45	138.23
6	Goa	150.09	197.38	133.47
7	Gujarat	99.91	75.47	126.48
8	Haryana	116.62	72.27	180.13
9	Himachal Pradesh	147.99	111.28	468.69
10	Jharkhand	59.19	43.22	104.92
11	Karnataka	104.66	72.81	145.85
12	Kerala	130.45	203.31	101.74
13	Madhya Pradesh	68.45	41.89	134.11
14	Maharashtra Incl. Mumbai	107.30	68.57	149.13
15	Manipur	77.22	51.77	131.38
16	Meghalaya	75.06	56.35	147.25
17	Mizoram	117.58	118.52	116.80
18	Nagaland	75.46	78.45	71.55
19	Odisha	79.49	64.06	147.15
20	Punjab	123.99	74.66	194.35
21	Rajasthan	83.07	61.81	142.39
22	Sikkim	142.49	153.88	128.91
23	Tamil Nadu (incl. Chennai)	109.21	67.93	145.91
24	Telangana	113.08	91.86	137.33
25	Tripura	78.93	61.50	108.18
26	Uttar Pradesh (UPE +UPW)	69.58	49.26	134.68
27	Uttarakhand	115.51	89.24	164.04
28	West Bengal Incl. Kolkata	84.40	57.26	132.43
Union Territories				
1	Andaman & Nicobar Islands	121.02	74.18	182.66
2	Chandigarh	160.53	-	-
3	Dadra and Nagar Haveli and Daman and Diu	85.46	147.50	69.24
4	Delhi	210.05	-	-
5	Jammu & Kashmir	86.24	58.17	151.36
6	Ladakh	187.23	113.74	354.93
7	Lakshdweep	118.87	-	-
8	Puduchery	74.65	69.86	76.71
Total		88.07	60.10	140.86

Table 1.7 : Service Provider wise Growth/Decline in Subscriber base

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share in QE Mar-21 (%)	Market Share in QE Jun-21 (%)
	Mar-21	Jun-21	Net Additions			
Reliance Jio	426.25	440.59	14.34	3.36%	35.49%	36.64%
Bharti Airtel	357.17	357.05	-0.12	-0.03%	29.73%	29.69%
Vodafone Idea Ltd	284.23	273.88	-10.36	-3.64%	23.66%	22.77%
BSNL	125.28	122.88	-2.39	-1.91%	10.43%	10.22%
MTNL	6.20	6.15	-0.05	-0.80%	0.52%	0.51%
Tata Teleservices	1.63	1.61	-0.02	-1.12%	0.14%	0.13%
Reliance Com.	0.22	0.21	-0.01	-5.20%	0.02%	0.02%
Quadrant	0.22	0.21	-0.011	-5.12%	0.02%	0.02%
Total	1,201.20	1,202.57	1.37	0.11%	100	100

Note: 1. M/s Bharti Airtel Ltd has reported the wireless subscribers including the subscribers of M/s Tata Teleservices Ltd.

2. M/s BSNL includes number of subscribers of its Virtual Network Operator (VNO).

1.11 M/s Reliance Jio Infocomm Ltd is the market leader with 36.64% in the access segment in terms of number of subscribers with 440.59 million subscribers at the end of Jun-21 followed by M/s Bharti Airtel Ltd with 357.05 million subscribers.

1.12 In term of net addition, Reliance Jio Infocomm Ltd became the biggest gainer with net addition of 14.34 million telephone subscribers during the QE Jun-21.

Table 1.8: Market Share of the service providers in total rural subscriber base

Service Provider	No. of Total Subscribers (in millions)	No. of Rural Subscribers (in millions)	Percentage of Rural subscribers	Market share of Rural subscribers (%)
Vodafone Idea Ltd	273.88	139.61	50.98%	26.02%
Bharti Airtel	357.05	171.73	48.10%	32.01%
Reliance Jio	440.59	186.56	42.34%	34.77%
BSNL	122.88	38.47	31.30%	7.17%
Quadrant	0.21	0.03	12.83%	0.005%
Tata Teleservices	1.61	0.04	2.45%	0.01%
MTNL	6.15	0.05	0.73%	0.01%
Reliance Com.	0.21	0.00	0.10%	0.00%
Total	1,202.57	536.47	44.61%	100

1.13 M/s Vodafone Idea Ltd is the telecom service provider with highest proportion of rural telephone subscribers of 50.98% followed by Bharti Airtel of 48.10% to their total telephone subscribers at the end of Jun-21.

Section B : Wireless Service

Table 1.9: List of Wireless Access Service Providers currently providing service [As on 30th June, 2021]

Sl.No.	Service Provider	Licensed Service Areas
1	Bharti Airtel Ltd	All India
2	Reliance Jio Infocom Ltd	All India
3	Vodafone Idea Ltd	All India
4	BSNL	All India (except Delhi & Mumbai)
5	MTNL	Delhi & Mumbai
6	Reliance Communications Ltd / Reliance Telecom Ltd	All India (except Assam & NE) / Kolkata, MP, WB, HP, Bihar, Odisha, Assam & NE

Source : DoT website

UL Access Services Licensees Virtual Network Operators (VNOs) who are providing services as on 30th June, 2021

1	Surftelecom Pvt. Ltd (Formerly Plintron India Pvt. Ltd.	All India
2	AdPay Mobile Payment India Pvt. Ltd	Tamil Nadu including Chennai

Source : As reported by telecom service providers

1.14 Number of total Wireless subscribers decreased from 1,180.96 million at the end of Mar-21 to 1,180.83 million at the end of Jun-21, thereby showing a quarterly decline rate of 0.01%. During the quarter, net decrease of 0.12 million wireless subscribers has been recorded.

1.15 The total wireless subscriber base recorded a Y-O-Y growth rate of 3.52% in QE Jun-21 over the same quarter in the previous year.

1.16 Wireless Teledensity in the country decreased from 86.68% at the end of Mar-21 to 86.48% at the end of Jun-21.

Chart 1.6: Wireless Subscriber Base and Teledensity

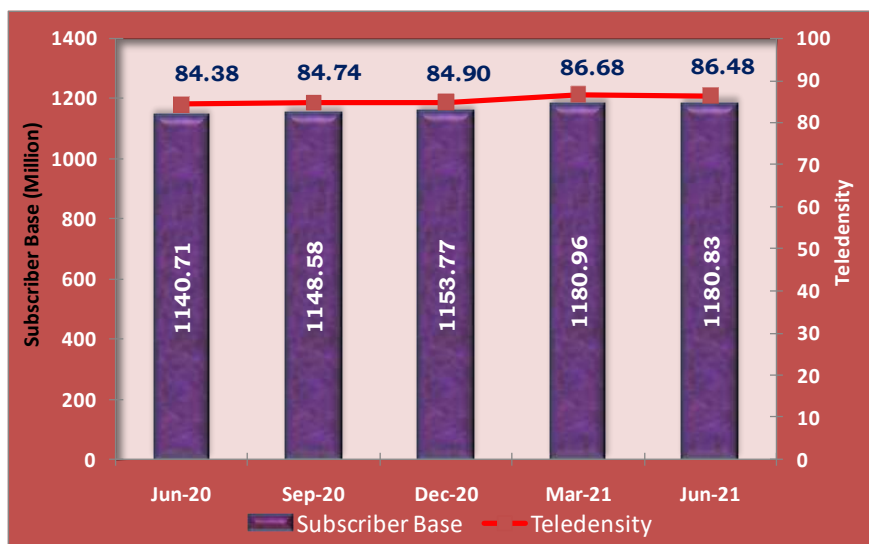


Table 1.10: Wireless Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density (%)	
	Rural	Urban	Rural	Urban
Jun-20	521.60	619.11	58.72	133.53
Sep-20	522.42	626.16	58.74	134.37
Dec-20	524.11	629.67	58.85	134.44
Mar-21	535.75	645.20	60.08	137.08
Jun-21	534.54	646.29	59.89	136.67

1.17 Number of Rural Wireless subscribers decreased from 535.75 million at the end of Mar-21 to 534.54 million at the end of Jun-21 however, number of urban wireless subscribers increased from 645.20 million to 646.29 million during the quarter. Quarterly growth rates of Rural and Urban wireless subscriptions are -0.23% and 0.17% respectively during QE Jun-21.

1.18 The share of rural wireless subscription decreased from 45.37% to 45.27% in total wireless subscription during QE Jun-21.

Chart 1.7: Wireless Market Share - Rural & Urban

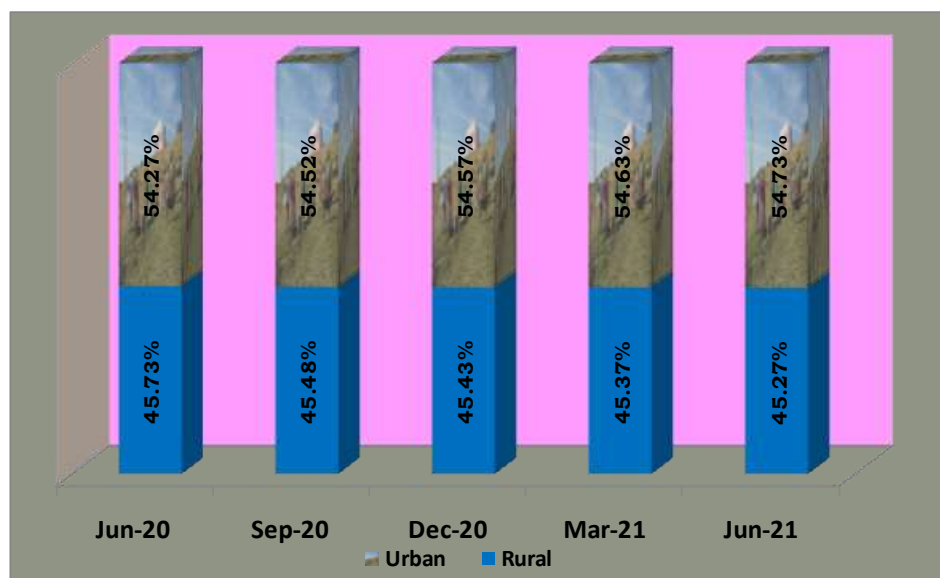


Table 1.11: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share Mar-21	Market Share Jun-21
	Mar-21	Jun-21	Net Additions			
Reliance Jio	422.92	436.69	13.78	3.26%	35.81%	36.98%
Bharti Airtel	352.39	352.11	-0.28	-0.08%	29.84%	29.82%
Vodafone Idea Ltd	283.71	273.33	-10.38	-3.66%	24.02%	23.15%
BSNL	118.63	115.40	-3.23	-2.72%	10.05%	9.77%
MTNL	3.30	3.29	-0.01	-0.30%	0.28%	0.28%
Reliance Com.	0.01	0.01	0.00	3.31%	0.001%	0.001%
Total	1180.96	1180.83	-0.12	-0.01%	100	100

1.19 M/s RJIL Limited is the market leader with a wireless subscriber base of 436.69 million which translates into market share of 36.98% w.r.t total wireless subscriber base. M/s Bharti Airtel Ltd. is at 2nd position with a total subscriber base of 352.11 million and market share of 29.82%. M/s RJIL Limited has reported the net additions of 13.78 Million subscribers.

1.20 In terms of net additions during QE Jun-21, except M/s RJIL and M/s Reliance Communication all service providers have showed negative growth in their wireless subscribers.

Table 1.12: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Mar-21	Jun-21	Net Additions	Rate of change (%)
Andhra Pradesh	88.73	87.68	-1.05	-1.19%
Assam	24.72	25.06	0.34	1.39%
Bihar	86.47	86.67	0.21	0.24%
Delhi	54.55	54.43	-0.12	-0.22%
Gujarat	69.41	70.00	0.59	0.85%
Haryana	27.88	28.04	0.16	0.58%
Himachal Pradesh	11.19	10.86	-0.34	-3.01%
Jammu & Kashmir	12.04	11.91	-0.13	-1.05%
Karnataka	68.64	67.82	-0.82	-1.19%
Kerala	44.84	45.09	0.25	0.57%
Madhya Pradesh	77.87	78.48	0.61	0.78%
Maharashtra	94.91	94.63	-0.28	-0.30%
Mumbai	37.65	37.24	-0.41	-1.09%
North East	12.45	12.49	0.04	0.33%
Orissa	34.34	34.77	0.42	1.23%
Punjab	38.84	38.90	0.06	0.16%
Rajasthan	66.30	65.55	-0.74	-1.12%
Tamil Nadu	82.76	82.59	-0.17	-0.20%
U.P.(E)	100.76	101.42	0.66	0.65%
U.P.(W)	63.62	63.79	0.18	0.28%
Kolkata	26.67	26.27	-0.41	-1.53%
West Bengal	56.31	57.14	0.82	1.46%
All India	1,180.96	1,180.83	-0.12	-0.01%

Table 1.13: Service Area wise Wireless Rural-Urban Subscriber base

Service Area	Subscriber base (in million)			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	87.68	44.58	43.10	50.85%
Assam	25.06	15.90	9.16	63.44%
Bihar	86.67	57.23	29.45	66.03%
Delhi	54.43	1.89	52.54	3.48%
Gujarat	70.00	27.83	42.17	39.75%
Haryana	28.04	12.50	15.54	44.58%
Himachal Pradesh	10.86	7.34	3.51	67.66%
Jammu & Kashmir	11.91	5.68	6.23	47.68%
Karnataka	67.82	27.41	40.41	40.42%
Kerala	45.09	19.74	25.35	43.79%
Madhya Pradesh	78.48	35.60	42.89	45.36%
Maharashtra	94.63	43.68	50.95	46.16%
Mumbai	37.24	1.38	35.85	3.72%
North East	12.49	6.66	5.84	53.28%
Orissa	34.77	22.96	11.81	66.03%
Punjab	38.90	13.28	25.62	34.14%
Rajasthan	65.55	36.17	29.38	55.18%
T.N. (incl. Chennai)	82.59	24.54	58.06	29.71%
U.P.(E)	101.42	63.04	38.38	62.16%
U.P.(W)	63.79	30.52	33.28	47.83%
Kolkata	26.27	1.77	24.49	6.76%
West Bengal	57.14	34.85	22.29	60.99%
All India	1,180.83	534.54	646.29	45.27%

1.21 Detailed table on service provider wise wireless subscriber base in each service area is at **Annexure-1.1**.

Table 1.14 : Service Area wise Wireless Tele-density

Service Area	As on 31 st March, 2021			As on 30 th June, 2021		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
A.P.	82.39	121.44	98.00	82.17	118.47	96.74
Assam	52.77	168.32	70.48	53.43	169.69	71.29
Bihar	41.54	118.94	53.46	41.68	117.65	53.39
Delhi	-	-	264.78	-	-	262.94
Gujarat	76.46	120.76	97.84	75.75	122.43	98.34
Haryana	71.64	127.35	94.46	71.71	127.68	94.72
H.P.	113.19	484.37	151.30	110.52	461.55	146.57
J&K	59.13	154.64	87.78	59.20	150.67	86.71
Karnataka	72.75	141.45	102.63	72.56	138.32	101.24
Kerala	193.27	98.93	126.06	196.55	99.17	126.64
M.P.	43.43	131.41	68.24	43.33	132.69	68.56
Maharashtra (incl. Mumbai)*	70.01	142.71	105.14	69.12	141.99	104.39
North East	63.72	113.59	80.45	64.71	111.64	80.53
Orissa	62.64	145.43	77.98	63.96	144.32	78.88
Punjab	75.49	185.11	123.04	74.29	186.43	123.03
Rajasthan	62.31	142.93	83.55	61.75	139.98	82.38
Tamil Nadu	68.12	139.58	106.11	67.29	139.58	105.81
Uttar Pradesh (incl. UPE&UPW)*	51.15	119.63	67.78	50.84	121.18	67.95
West Bengal (incl. Kolkata)*	57.20	130.43	83.62	57.76	130.10	83.94
All India	60.08	137.08	86.68	59.89	136.67	86.48

* Population data/projections are available state-wise only.

Notes:

1. Tele-density figures are derived from the subscriber data provided by the operators and the projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 - 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
2. Delhi Service area, apart from the State of Delhi, includes wireless subscribers of the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana).
3. Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatisgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura states.

Table 1.15 : State/UT wise Wireless Subscriber Base

Sl. No.	States/UT	Wireless Subscribers (in million)		
		Total	Rural	Urban
1	Andhra Pradesh	45.70	26.11	19.59
2	Arunachal Pradesh	1.36	0.86	0.50
3	Assam	25.06	15.90	9.16
4	Bihar	63.98	44.86	19.12
5	Chhattisgarh	21.02	10.31	10.71
6	Goa	2.27	0.78	1.49
7	Gujarat	69.06	27.49	41.57
8	Haryana	34.15	12.55	21.60
9	Himachal Pradesh	10.86	7.34	3.51
10	Jharkhand	22.69	12.36	10.33
11	Karnataka	67.82	27.41	40.41
12	Kerala	45.01	19.71	25.31
13	Madhya Pradesh	57.46	25.29	32.17
14	Maharashtra	129.59	44.28	85.31
15	Manipur	2.43	1.12	1.31
16	Meghalaya	2.45	1.47	0.97
17	Mizoram	1.42	0.66	0.76
18	Nagaland	1.65	0.98	0.67
19	Odisha	34.77	22.96	11.81
20	Punjab	37.13	13.24	23.90
21	Rajasthan	65.55	36.17	29.38
22	Sikkim	0.96	0.57	0.39
23	Tamil Nadu	81.46	24.21	57.25
24	Telangana	41.98	18.47	23.51
25	Tripura	3.19	1.57	1.62
26	Uttar Pradesh	160.39	86.94	73.44
27	Uttarakhand	13.06	6.61	6.45
28	West Bengal	81.98	35.90	46.09
Union Territories				
1	Andaman & Nicobar Islands	0.45	0.16	0.30
2	Chandigarh	1.77	0.04	1.72
3	Dadra and Nagar Haveli and Daman and Diu	0.94	0.34	0.60
4	Delhi	40.08	1.83	38.25
5	Jammu & Kashmir	11.37	5.45	5.92
6	Ladakh	0.54	0.23	0.31
7	Lakshdweep	0.08	0.03	0.04
8	Puduchery	1.13	0.32	0.81
Total		1180.83	534.54	646.29

Table 1.16 : State/UT wise Wireless Tele-density

Sl.No.	State/UT	Wireless Tele-density (%)		
		Total	Rural	Urban
1	Andhra Pradesh	86.47	76.55	104.50
2	Arunachal Pradesh	88.55	75.19	128.11
3	Assam	71.29	53.43	169.69
4	Bihar	51.72	41.28	127.23
5	Chhattisgarh	70.99	47.41	136.07
6	Goa	145.44	192.12	129.05
7	Gujarat	98.55	75.31	123.83
8	Haryana	115.36	72.02	177.44
9	Himachal Pradesh	146.57	110.52	461.55
10	Jharkhand	58.74	43.18	103.28
11	Karnataka	101.24	72.56	138.32
12	Kerala	126.67	196.23	99.26
13	Madhya Pradesh	67.72	41.86	131.60
14	Maharashtra	103.87	68.35	142.24
15	Manipur	76.45	51.68	129.15
16	Meghalaya	74.22	56.28	143.43
17	Mizoram	116.05	118.40	114.10
18	Nagaland	74.95	78.42	70.43
19	Odisha	78.88	63.96	144.32
20	Punjab	122.12	74.06	190.66
21	Rajasthan	82.38	61.75	139.98
22	Sikkim	141.70	153.81	127.24
23	Tamil Nadu	106.51	67.27	141.40
24	Telangana	111.11	91.68	133.32
25	Tripura	78.16	61.36	106.35
26	Uttar Pradesh	69.22	49.24	133.25
27	Uttarakhand	114.21	89.09	160.63
28	West Bengal	83.42	57.15	129.92
Union Territories				
1	Andaman & Nicobar Islands	113.54	68.78	172.44
2	Chandigarh	145.82	-	-
3	Dadra and Nagar Haveli and Daman and Diu	84.98	146.71	68.84
4	Delhi	193.62	-	-
5	Jammu & Kashmir	84.61	58.04	146.28
6	Ladakh	185.57	112.97	351.22
7	Lakshdweep	112.82	-	-
8	Puduchery	71.65	68.22	73.12
All India Tele-density		86.48	59.89	136.67

Table 1.17 : Rural Wireless Subscriber base and Market Share as on 30.06.2021

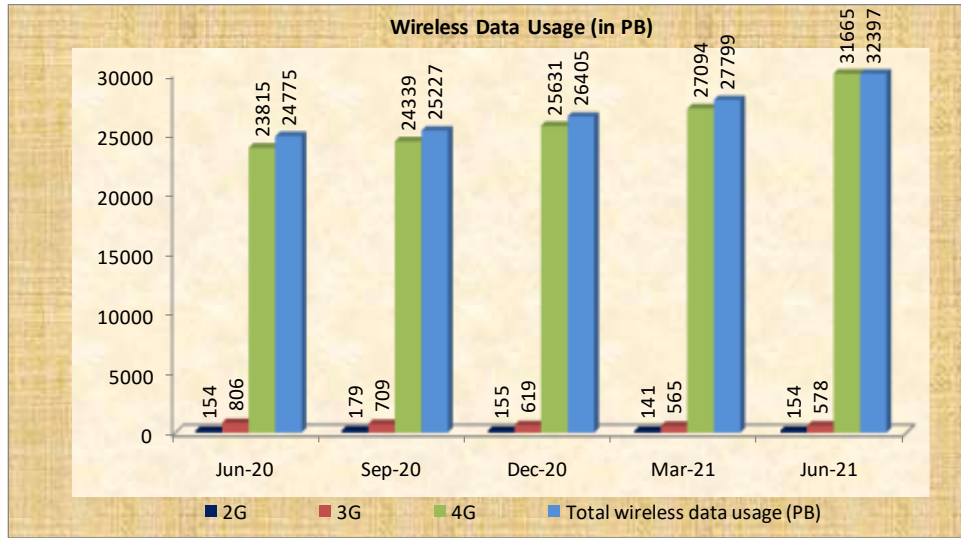
Service Provider	Total number of wireless Subscribers (in millions)	Rural Subscribers (in millions)	% of Rural subscribers in total	Market Share of Rural Subscribers (%)
Reliance Jio	436.69	186.52	42.71%	34.89%
Bharti Airtel*	352.11	171.73	48.77%	32.13%
Vodafone Idea Ltd	273.33	139.61	51.08%	26.12%
BSNL	115.40	36.63	31.74%	6.85%
MTNL	3.29	0.05	1.37%	0.01%
Reliance Com.	0.01	0.00	0.00%	0.00%
Total	1,180.83	534.54	45.27%	100

- Note:** 1. M/s Reliance Com. has not reported number of its rural wireless subscribers and hence its rural wireless subscription has been taken as NIL.
2. M/s Bharti Airtel Ltd has reported the wireless subscribers including the subscribers of M/s Tata Teleservices Ltd for QE June, 2021.

Wireless Data Usage

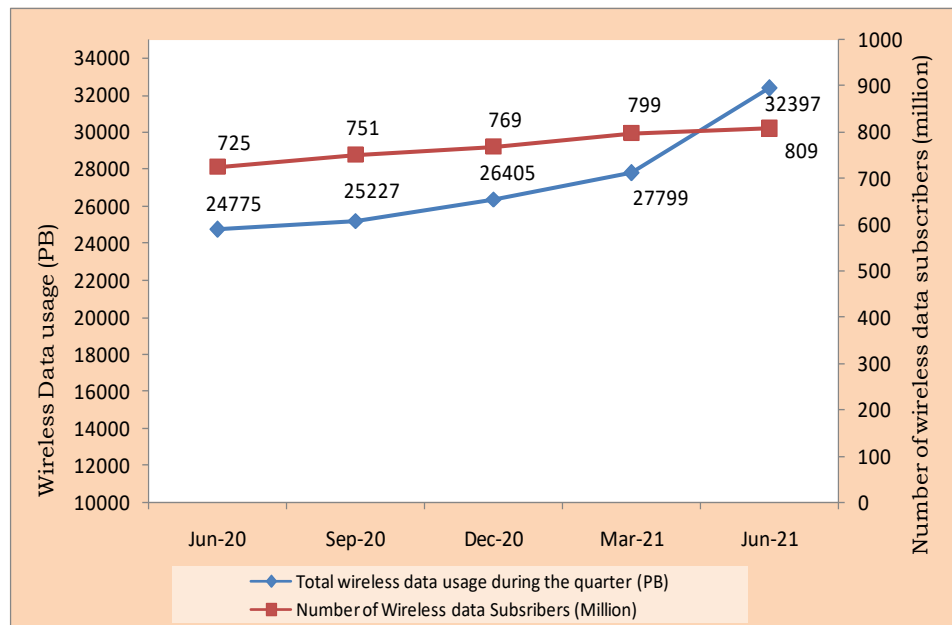
- 1.22 Volume of total wireless data usage increased from 27,799 PB during Q.E. Mar-21 to 32,397 PB during Q.E. Jun-21 with quarterly growth rate of 16.54%. Out of total data wireless usage, 2G data usage was 154 PB, 3G data usage was 578 PB and 4G data usage was 31,665 PB during the quarter.
- 1.23 Total number of wireless data subscribers increased from 798.65 million at the end of Mar-21 to 809.48 million at the end of Jun-21.
- 1.24 The contribution of 2G, 3G and 4G data usage in total volume of wireless data usage are about 0.48%, 1.78% and 97.74% respectively during the QE Jun-21.
- 1.25 Technology-wise trend of growth in volume of wireless data usage is depicted in the following chart.

Chart 1.8: Trend of technology wise wireless data use (in PB)



1.26 The following chart depicts the trend of number of wireless data subscribers and volume of wireless data usage in QE Jun-21.

Chart 1.9: Trend of Wireless data subscribers (million) and volume of wireless data usage (PB)



Section C : Wireline Service

Table 1.18 : Service Providers providing Wireline Service

[As on 30th June, 2021]

Sl. No.	Name of the Service Provider	Area of Operation
1	Bharti Airtel Ltd	Andhra Pradesh (excluding Telangana) Delhi, Gujarat, Haryana, Jammu & Kashmir, Karnataka, Kerala, Kolkata, Madhya Pradesh (excluding Chhattisgarh), Chhattisgarh, Maharashtra (excluding Mumbai & Goa), Mumbai, Punjab, Rajasthan, Tamil Nadu (excluding Chennai), Chennai, UP-East and UP-West (excluding Uttarakhand), Uttarakhand.
2	BSNL	All India except Delhi & Mumbai
3	MTNL	Delhi & Mumbai
4	Quadrant Televentures Ltd.	Punjab
5	Reliance Communications Ltd.	Andhra Pradesh (excluding Telangana), Telangana, Bihar (Excluding Jharkhand), Jharkhand, Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Kolkata, Madhya Pradesh (excluding Chhattisgarh), Chhattisgarh, Maharashtra (Excluding Mumbai & Goa) Goa, Mumbai, Odisha, Punjab, Rajasthan, Tamil Nadu (excluding Chennai), Chennai, UP-East, UP-West (Excluding Uttarakhand), Uttarakhand and West Bengal (Excluding Andaman & Nicobar and Sikkim)
6.	Tata Teleservices Ltd. & Tata Teleservices (Maharashtra) Ltd	Andhra Pradesh (Excluding Telangana), Telangana, Bihar (Excluding Jharkhand), Jharkhand, Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Kolkata, Maharashtra (excluding Mumbai & Goa), Goa, Mumbai Madhya Pradesh (Excluding Chhattisgarh), Chhattisgarh, Odisha, Punjab, Rajasthan, Tamil Nadu (Excluding Chennai), Chennai, UP-East, UP-West (Excluding Uttarakhand), Uttarakhand and West Bengal (Excluding Andaman & Nicobar and Sikkim)
7	Vodafone Idea Ltd	Andhra Pradesh (Excluding Telangana), Telangana, Assam, Bihar (Excluding Jharkhand), Jharkhand, Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Kolkata, Madhya Pradesh (Excluding Chhattisgarh), Chhattisgarh, Maharashtra (Excluding Mumbai & Goa), Goa, Mumbai Meghalaya, Odisha, Punjab, Rajasthan, Tamil Nadu (Excluding Chennai), Chennai, UP-East, UP West (Excluding Uttarakhand), Uttarakhand and West Bengal (Excluding Andaman & Nicobar and Sikkim)
8	Reliance Jio	Andhra Pradesh (Excluding Telangana), Telangana, Assam, Bihar (Excluding Jharkhand), Jharkhand, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Kolkata, Madhya Pradesh (Excluding Chhattisgarh), Chhattisgarh, Maharashtra (Excluding Mumbai), Mumbai, Goa, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Odisha, Punjab, Rajasthan, Tamil Nadu (Excluding Chennai), Chennai, UP East, UP-West (Excluding Uttarakhand), Uttarakhand and West Bengal (Excluding Andaman & Nicobar and Sikkim)

1.27 Total number of Wireline subscribers increased from 20.24 million at the end of Mar-21 to 21.74 million at the end of Jun-21 with quarterly growth rate of 7.39%. Overall Wireline Teledensity in the country increased from 1.49% at the end of Mar-21 to 1.59% at the end of Jun-21.

1.28 Urban wireline subscriber base increased by 6.63% from 18.57 million at the end of Mar-21 to 19.80 million at the end of Jun-21. Rural wireline subscription also increased by 15.93%, from 1.67 million to 1.93 million during the same period.

Chart 1.10: Wireline Subscriber Base and Tele-density

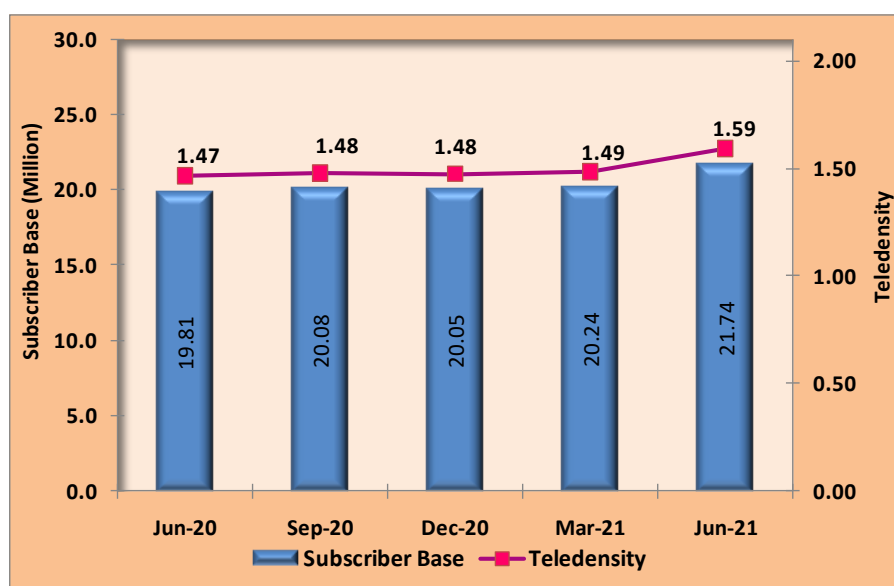


Table 1.19: Wireline Subscriber Base & Tele-density - Rural & Urban

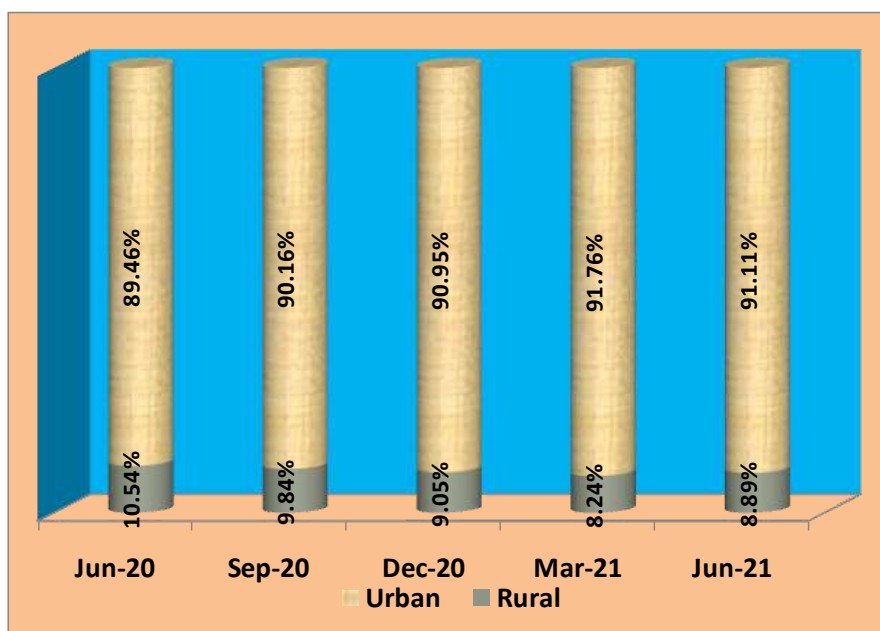
Quarter ending	Subscriber Base (million)		Tele-density (%)	
	Rural	Urban	Rural	Urban
Jun-20	2.09	17.72	0.24	3.82
Sep-20	1.98	18.10	0.22	3.88
Dec-20	1.81	18.24	0.20	3.89
Mar-21	1.67	18.57	0.19	3.95
Jun-21	1.93	19.80	0.22	4.19

**Table 1.20 : Service Provider wise Wireline Subscriber base
(Rural - Urban) – As on 30.06.2021**

Service Provider	Subscriber Base (million)			Percentage of Rural subscribers	Share of Rural subscription
	Rural	Urban	Total		
BSNL	1.84	5.65	7.48	24.54%	94.98%
Bharti	0.00	4.94	4.94	--	0.00%
MTNL	0.00	2.86	2.86	--	0.00%
Tata Tele.	0.04	1.57	1.61	2.45%	2.04%
Reliance Com.	0.0002	0.20	0.20	0.11%	0.01%
Quadrant	0.03	0.18	0.21	12.83%	1.36%
Vodafone Idea	0.00	0.54	0.54	--	0.00%
Reliance Jio	0.031	3.86	3.89	0.80%	1.61%
Total	1.93	19.80	21.74	8.89%	100

1.29 Detailed table on service provider wise wireline subscriber base in each service area is at **Annexure-1.2**.

Chart 1.11: Composition of Wireline Subscriber base - Rural & Urban



1.30 Market Share of Rural wireline subscription increased from 8.24% in QE Mar-21 to 8.89% in QE Jun-21.

Table 1.21 : Service Provider wise growth in Wireline Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Mar-21(%)	Market share-Jun-21(%)
	Mar-21	Jun-21	Net Addition			
Reliance Jio	3.33	3.89	0.56	16.81%	16.47%	17.92%
Quadrant	0.22	0.21	-0.01	-5.12%	1.07%	0.94%
Bharti Airtel	4.78	4.94	0.16	3.37%	23.61%	22.72%
Vodafone Idea	0.52	0.54	0.02	4.26%	2.58%	2.50%
MTNL	2.90	2.86	-0.04	-1.36%	14.35%	13.18%
Tata Tele.	1.63	1.61	-0.02	-1.12%	8.04%	7.40%
BSNL*	6.65	7.48	0.83	12.53%	32.85%	34.42%
Reliance Com	0.21	0.20	-0.01	-5.57%	1.04%	0.91%
Total	20.24	21.74	1.50	7.39	100	100

*BSNL-FTTH Voice-connections have also been incorporated from the month of May 2021.

Table 1.22: Service Area wise Wireline Subscriber base & Net Additions (in million)

Service Area	Mar-21	Jun-21	Net Additions	Rate of Change (%)
Andhra Pradesh	1.41	1.62	0.21	14.97%
Assam	0.13	0.16	0.03	23.36%
Bihar	0.24	0.32	0.08	33.80%
Delhi	3.39	3.59	0.20	5.78%
Gujarat	0.95	0.96	0.00	0.47%
Haryana	0.32	0.28	-0.04	-12.50%
Himachal Pradesh	0.09	0.11	0.02	18.18%
Jammu & Kashmir	0.17	0.22	0.06	32.71%
Karnataka	2.16	2.29	0.14	6.29%
Kerala	1.21	1.35	0.14	11.71%
Madhya Pradesh	0.72	0.80	0.08	11.66%
Maharashtra	1.26	1.30	0.04	2.84%
Mumbai	3.06	3.05	-0.01	-0.25%
North East	0.10	0.13	0.03	27.07%
Orissa	0.21	0.27	0.06	27.49%
Punjab	0.71	0.75	0.04	5.73%
Rajasthan	0.47	0.54	0.07	15.62%
Tamil Nadu	1.89	2.11	0.22	11.86%
U.P.(E)	0.41	0.47	0.05	13.10%
U.P.(W)	0.41	0.42	0.01	2.36%
Kolkata	0.67	0.69	0.02	2.47%
West Bengal	0.26	0.31	0.05	18.25%
All India	20.24	21.74	1.50	7.39%

1.31 Bihar service area showed maximum growth of 33.80% and Haryana service area showed maximum decline of 12.50% in their wireline subscriber base during the quarter ending Jun-21.

**Table 1.23: Service Area wise Wireline Rural-Urban
Subscriber Base (in million)**

Service Area	Total Subscribers	Rural Subscribers	Urban Subscribers	% of Rural Subscribers
Andhra Pradesh	1.62	0.15	1.47	9.26%
Assam	0.16	0.02	0.15	10.56%
Bihar	0.32	0.03	0.29	9.57%
Delhi	3.59	0.00	3.59	0.00%
Gujarat	0.96	0.06	0.89	6.51%
Haryana	0.28	0.04	0.23	15.74%
Himachal Pradesh	0.11	0.05	0.05	48.40%
Jammu & Kashmir	0.22	0.01	0.21	6.37%
Karnataka	2.29	0.09	2.20	4.02%
Kerala	1.35	0.71	0.63	52.89%
Madhya Pradesh	0.80	0.02	0.78	2.58%
Maharashtra	1.30	0.16	1.14	12.29%
Mumbai	3.05	0.00	3.05	0.02%
North East	0.13	0.01	0.12	8.36%
Orissa	0.27	0.04	0.23	14.19%
Punjab	0.75	0.11	0.64	14.51%
Rajasthan	0.54	0.04	0.51	7.02%
Tamil Nadu	2.11	0.24	1.87	11.58%
U.P.(E)	0.47	0.03	0.43	6.68%
U.P.(W)	0.42	0.02	0.40	5.85%
Kolkata	0.69	0.00	0.69	0.00%
West Bengal	0.31	0.08	0.22	26.91%
All India	21.74	1.93	19.80	8.89%

1.32 Kerala service area has the maximum share 52.89% of rural wireline subscriber in its total wireline subscriber base at the end of Jun-21.

Table 1.24: Service Area wise Wireline Tele-density

Service Area	As on 31 st March, 2021			As on 30 th June, 2021		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
Andhra Pradesh	0.19	3.60	1.56	0.28	4.04	1.79
Assam	0.05	2.20	0.38	0.06	2.72	0.47
Bihar	0.02	0.87	0.15	0.02	1.16	0.20
Delhi	-	-	16.47	-	-	17.34
Gujarat	0.17	2.60	1.34	0.17	2.59	1.34
Haryana	0.18	2.34	1.07	0.25	1.91	0.93
Himachal Pradesh	0.68	5.74	1.20	0.77	7.14	1.42
Jammu & Kashmir	0.09	3.86	1.23	0.15	5.06	1.63
Karnataka	0.20	7.15	3.22	0.24	7.53	3.42
Kerala	6.22	2.25	3.39	7.10	2.48	3.79
Madhya Pradesh	0.02	2.18	0.63	0.03	2.42	0.70
Maharashtra (incl. Mumbai)*	0.24	6.83	3.43	0.25	6.85	3.44
North East	0.09	1.79	0.66	0.11	2.28	0.84
Orissa	0.09	2.19	0.48	0.11	2.83	0.61
Punjab	0.56	4.44	2.24	0.61	4.65	2.36
Rajasthan	0.05	2.12	0.59	0.07	2.41	0.68
Tamil Nadu (incl. Chennai)	0.55	4.06	2.42	0.67	4.49	2.70
Uttar Pradesh (incl. UPE & UPW)*	0.03	1.32	0.34	0.03	1.41	0.37
West Bengal (incl. Kolkata)*	0.11	2.41	0.94	0.13	2.55	1.00
All India	0.19	3.95	1.49	0.22	4.19	1.59

* Population data/projections are available state-wise only

Note: - 1. Tele-density figures are derived from the subscriber data provided by the operators and projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 – 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
2. Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatishgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura states.

Table 1.25: State/UT wise Wireline Subscriber base

Sl. No.	States/UT	Wireline Subscribers (in million)		
		Total	Rural	Urban
1	Andhra Pradesh	0.88	0.11	0.76
2	Arunachal Pradesh	0.02	0.003	0.01
3	Assam	0.16	0.02	0.15
4	Bihar	0.14	0.02	0.13
5	Chhattisgarh	0.18	0.01	0.17
6	Goa	0.07	0.02	0.05
7	Gujarat	0.95	0.06	0.89
8	Haryana	0.37	0.04	0.33
9	Himachal Pradesh	0.11	0.05	0.05
10	Jharkhand	0.18	0.01	0.16
11	Karnataka	2.29	0.09	2.20
12	Kerala	1.34	0.71	0.63
13	Madhya Pradesh	0.63	0.01	0.61
14	Maharashtra Incl. Mumbai	4.27	0.14	4.14
15	Manipur	0.02	0.00	0.02
16	Meghalaya	0.03	0.002	0.03
17	Mizoram	0.02	0.001	0.02
18	Nagaland	0.01	0.000	0.01
19	Odisha	0.27	0.04	0.23
20	Punjab	0.57	0.11	0.46
21	Rajasthan	0.54	0.04	0.51
22	Sikkim	0.005	0.00	0.01
23	Tamil Nadu	2.06	0.24	1.83
24	Telangana	0.74	0.04	0.71
25	Tripura	0.03	0.00	0.03
26	Uttar Pradesh (UPE+UPW)	0.83	0.05	0.79
27	Uttarakhand	0.15	0.01	0.14
28	West Bengal Incl. Kolkata	0.96	0.07	0.89
Union Territories				
1	Andaman & Nicobar Islands	0.03	0.01	0.02
2	Chandigarh	0.18	0.002	0.18
3	Dadra and Nagar Haveli and Daman and Diu	0.005	0.002	0.004
4	Delhi	3.40	0.00	3.40
5	Jammu & Kashmir	0.22	0.01	0.21
6	Ladakh	0.005	0.002	0.003
7	Lakshdweep	0.004	0.002	0.003
8	Puduchery	0.05	0.01	0.04
Total		21.74	1.93	19.80

Table 1.26: State/UT wise Wireline Tele-density

Sl.No.	State/UT	Wireline Tele-density		
		Total (%)	Rural (%)	Urban (%)
1	Andhra Pradesh	3.07	0.44	7.85
2	Arunachal Pradesh	1.11	0.23	3.70
3	Assam	0.47	0.06	2.72
4	Bihar	0.12	0.02	0.83
5	Chhattisgarh	0.60	0.04	2.16
6	Goa	4.64	5.26	4.42
7	Gujarat	1.36	0.17	2.65
8	Haryana	1.25	0.25	2.69
9	Himachal Pradesh	1.42	0.77	7.14
10	Jharkhand	0.46	0.04	1.65
11	Karnataka	3.42	0.24	7.53
12	Kerala	3.78	7.08	2.48
13	Madhya Pradesh	0.74	0.02	2.51
14	Maharashtra Incl. Mumbai	3.43	0.21	6.90
15	Manipur	0.77	0.09	2.23
16	Meghalaya	0.84	0.07	3.82
17	Mizoram	1.52	0.12	2.69
18	Nagaland	0.51	0.04	1.12
19	Odisha	0.61	0.11	2.83
20	Punjab	1.87	0.60	3.69
21	Rajasthan	0.68	0.07	2.41
22	Sikkim	0.79	0.06	1.67
23	Tamil Nadu	2.70	0.66	4.51
24	Telangana	1.97	0.18	4.01
25	Tripura	0.77	0.13	1.83
26	Uttar Pradesh (UPE + UPW)	0.36	0.03	1.43
27	Uttarakhand	1.29	0.15	3.42
28	West Bengal incl. Kolkata	0.98	0.11	2.52
Union Territories				
1	Andaman & Nicobar Islands	7.48	5.41	10.22
2	Chandigarh	14.71	51.43	14.62
3	Dadra and Nagar Haveli and Daman and Diu	0.49	0.80	0.41
4	Delhi	16.43	0.00	16.53
5	Jammu & Kashmir	1.63	0.14	5.08
6	Ladakh	1.66	0.77	3.71
7	Lakshdweep	6.04	93.00	3.86
8	Puduchery	3.00	1.64	3.59
Total		1.59	0.22	4.19

Public Call Offices (PCO)

1.33 Total number of PCOs in the country decreased from 126,108 at the end of Mar-21 to 120,175 at the end of Jun-21. Detailed table of service provider wise PCOs is available at **Annexure-1.3**.

Chart 1.12: Trend of Number of PCOs



1.34 Number of PCOs continued show declining trend over the year. It has recorded a overall quarterly decline rate of 4.70% and on Y-O-Y basis decline rate of 25.79% at the QE Jun-21.

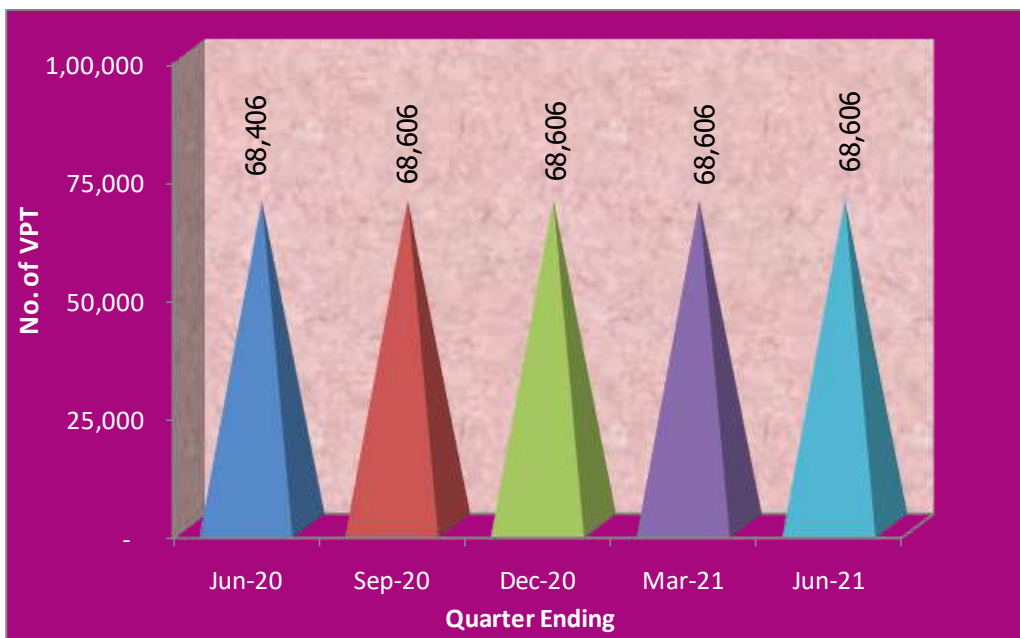
Table 1.27: Rate of change & Market share of PCOs

Service Provider	Mar-21	Jun-21	Rate of change (%)	Market share (%) (Jun-21)
BSNL	68,826	63841	-7.24%	53.12%
MTNL	52,771	51889	-1.67%	43.18%
Bharti	4,005	3957	-1.20%	3.29%
Quadrant	506	488	-3.56%	0.41%
Total	126,108	120175	-4.70%	100.00%

Village Public Telephones (VPTs)

- 1.35 There are 5,93,731 inhabited villages in India as per census 2001. During the Q.E. Jun-21, there are 68,606 villages having Village Public Telephones (VPTs).
- 1.36 Number of VPTs remained same i.e. 68,606 at the end of Jun-21 as were at the end of Mar-21.
- 1.37 As per the information received in TRAI, at the end of Jun-21, only M/s BSNL was providing VPT in the country. Service area wise detailed table of VPT is available at **Annexure-1.4**.

Chart 1.13: Trend of number of VPTs



Section D: Internet Service

1.38 This section summarizes information submitted by internet service providers for the quarter ending Jun-21. **Part-I** consists of information of Internet service (narrowband+broadband), **Part-II** consists of broadband service and **Part-III** covers narrowband service.

Part-I: Internet Service (broadband + narrowband)

1.39 As per reports received from 468 operators as compared to 449 operators in last quarter, total number of internet subscribers increased from 825.30 million at the end of Mar-21 to 833.71 million at the end of Jun-21 with quarterly growth rate of 1.02%. Out of total 833.71 million internet subscribers, 792.78 million were broadband subscribers and 40.93 million were narrowband subscribers.

1.40 Wired Internet subscribers decreased from 25.99 million at the end of Mar-21 to 23.58 million at the end of Jun-21 with quarterly decline rate of 9.31%. Wireless Internet subscribers increased from 799.31 million at the end of Mar-21 to 810.13 million at the end of Jun-21 with quarterly growth rate of 1.35%.

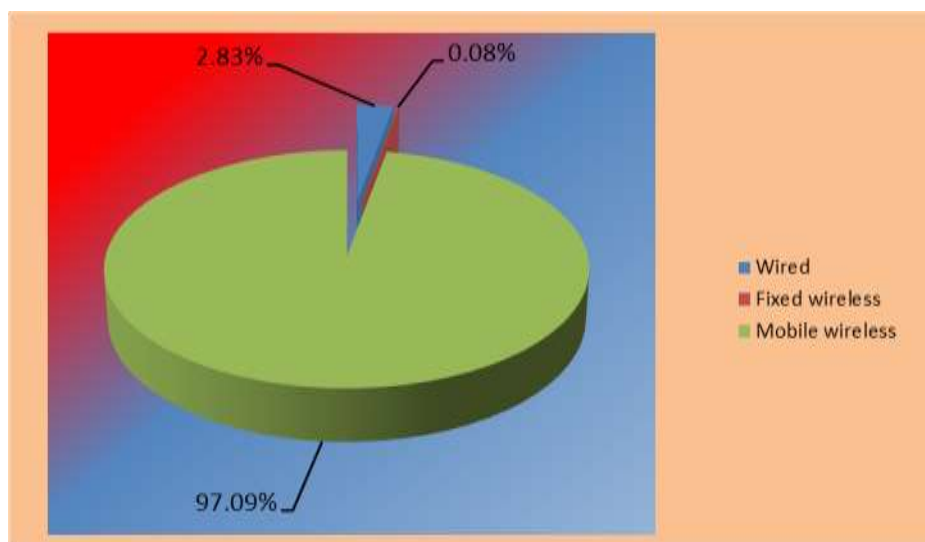
1.41 The number of Broadband subscribers increased from 778.09 million at the end of Mar-21 to 792.78 million at the end of Jun-21 with quarterly growth rate of 1.89%. However, the number of Narrowband subscribers declined from 47.21 million at the end of Mar-21 to 40.93 million at the end of Jun-21 with quarterly decline rate of 13.30%.

Table 1.28: Trend of Internet subscriber base

Segment	Mode of Access								Total Subscribers (in million)	
	Wired Subscribers (in million)		Wireless Subscribers (in million)							
			Fixed Wireless (Wi-Fi, Wi-Max, Radio & VSAT)		Mobile Wireless (Phone + Dongle)		Total Wireless			
	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21
Broadband	22.75	23.52	0.67	0.65	754.67	768.61	755.35	769.26	778.09	792.78
Narrowband	3.25	0.06	0.01	0.01	43.96	40.87	43.96	40.88	47.21	40.93
Total	25.99	23.58	0.68	0.66	798.63	809.48	799.31	810.13	825.30	833.71

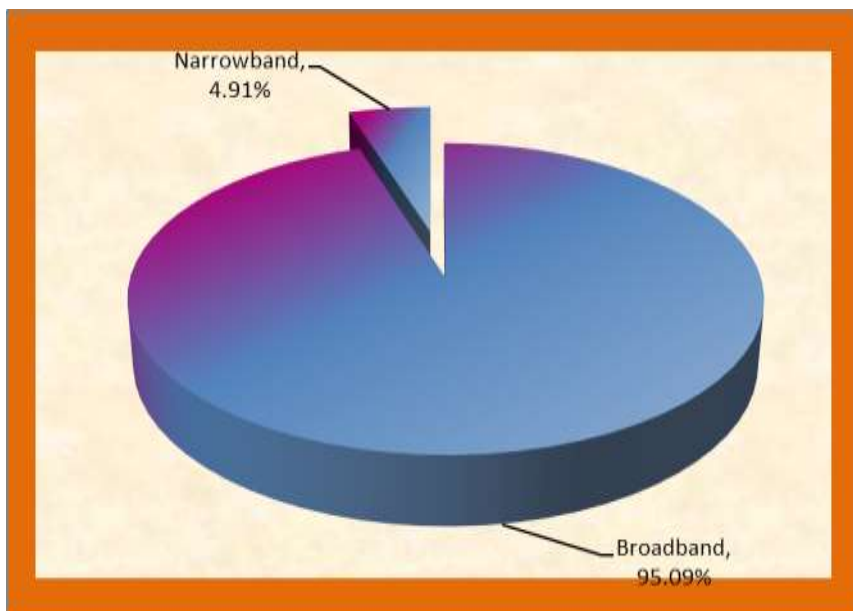
1.42 The following charts present the composition of Internet Subscribers by mode of access and composition of Broadband & Narrowband subscription as on 30th June, 2021.

Chart 1.14: Composition of Internet subscription



1.43 Out of total internet subscribers, 97.09% subscribers are using Mobile devices for access of internet service. Wired internet subscribers are only 2.83% in total internet subscribers at the end of Jun-21.

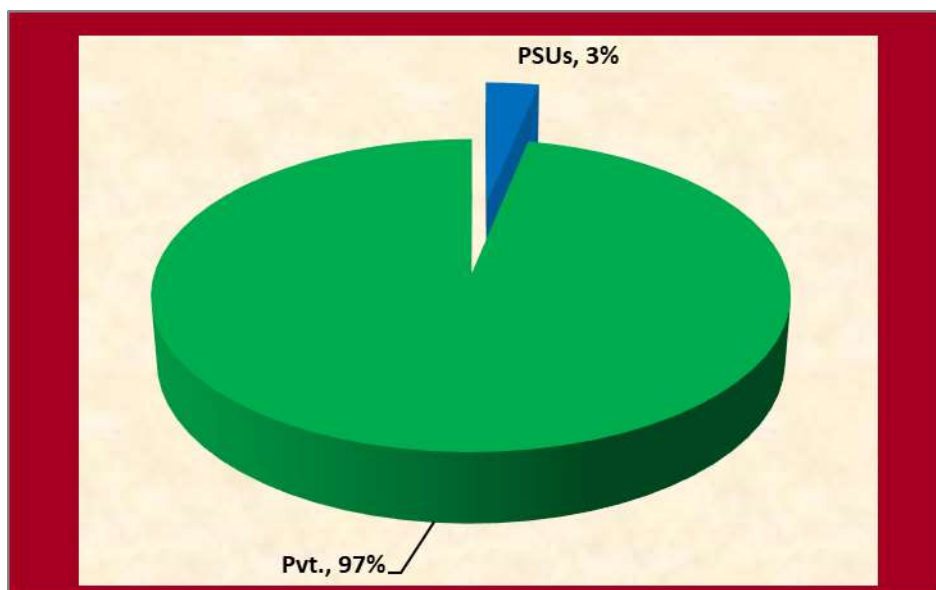
Chart 1.15 : Composition of Broadband & Narrowband subscription



1.44 Out of total internet subscribers, 95.09% subscribers are using broadband for access of internet.

1.45 Share of private internet service providers in total internet subscriber base is 97%, at QE Jun-21. The following charts present the composition of market share of PSUs and Private Internet service providers.

Chart 1.16 : Market share of PSUs and Private Internet Service Providers



1.46 The urban/rural break up of internet subscribers are as per the following table: -

Table 1.29: Break up of Rural-Urban internet subscriber base (in millions)

Telecom Service Area	Narrowband		Broadband		Total (Jun-21)		Total (Mar-2021)	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Andhra Pradesh	1.69	1.32	27.20	34.18	28.89	35.49	28.08	36.14
Assam	0.61	0.26	9.58	6.24	10.19	6.50	9.69	6.52
Bihar	2.93	0.85	33.32	19.71	36.25	20.56	34.62	20.79
Delhi	0.23	2.97	0.59	41.49	0.82	44.46	0.76	44.20
Gujarat	0.63	0.81	15.81	34.34	16.44	35.14	15.47	35.08
Haryana	0.36	0.34	7.77	10.37	8.13	10.71	7.69	10.86
Himachal Pradesh	0.15	0.11	4.28	2.30	4.43	2.40	4.25	2.47
Jammu & Kashmir	0.25	0.13	3.53	4.52	3.78	4.65	3.64	4.72
Karnataka	1.18	1.12	17.19	30.15	18.37	31.27	17.94	32.15
Kerala	0.56	0.57	12.69	16.58	13.25	17.16	12.46	17.95
Kolkata	0.06	0.80	1.35	16.78	1.41	17.58	1.44	17.68
Madhya Pradesh	1.61	1.10	22.00	31.40	23.60	32.50	22.63	32.79
Maharashtra	1.70	1.26	28.28	39.96	29.98	41.23	28.88	42.24
Mumbai	0.01	1.67	1.28	29.43	1.30	31.10	1.89	30.41
North East	0.22	0.13	4.64	4.17	4.86	4.30	4.65	4.41
Orissa	0.76	0.21	13.81	7.32	14.58	7.53	13.94	7.66
Punjab	0.41	0.52	9.01	18.74	9.41	19.26	9.16	19.34
Rajasthan	1.30	0.84	21.00	22.17	22.30	23.01	21.47	23.93
Tamil Nadu	1.02	1.65	14.81	38.92	15.83	40.57	15.26	41.46
UP (East)	3.06	1.05	32.50	26.88	35.56	27.94	33.57	27.87
UP (West)	1.16	0.94	16.17	23.99	17.33	24.93	16.49	25.25
West Bengal	1.87	0.51	18.29	18.03	20.17	18.55	18.78	18.62
Grand Total	21.77	19.16	315.10	477.68	336.87	496.84	322.77	502.53
	40.93		792.776		833.707		825.301	

Table 1.30: Internet Subscriber Base and Market Share of top 10 Service Providers

S.No	ISP	No. of Subscribers (In million)	Share (%)
1	Reliance Jio Infocomm Ltd	439.91	52.77
2	Bharti Airtel Ltd.	220.15	26.41
3	Vodafone Idea Limited	136.14	16.33
4	Bharat Sanchar Nigam Ltd.*	25.71	3.08
5	Atria Convergence Technologies Pvt. Ltd.	1.91	0.23
6	Hathway Cable & Datacom Pvt. Ltd.	1.06	0.13
7	You Broadband India Pvt. Ltd.	0.83	0.10
8	ONEOTT iNTERTAINMENT LTD	0.78	0.09
9	Mahanagar Telephone Nigam Ltd.	0.73	0.09
10	GTPL Broadband Pvt. Ltd.	0.62	0.07
Total of Top 10 ISPs		827.84	99.30
Others		5.87	0.70
Grand Total		833.71	100

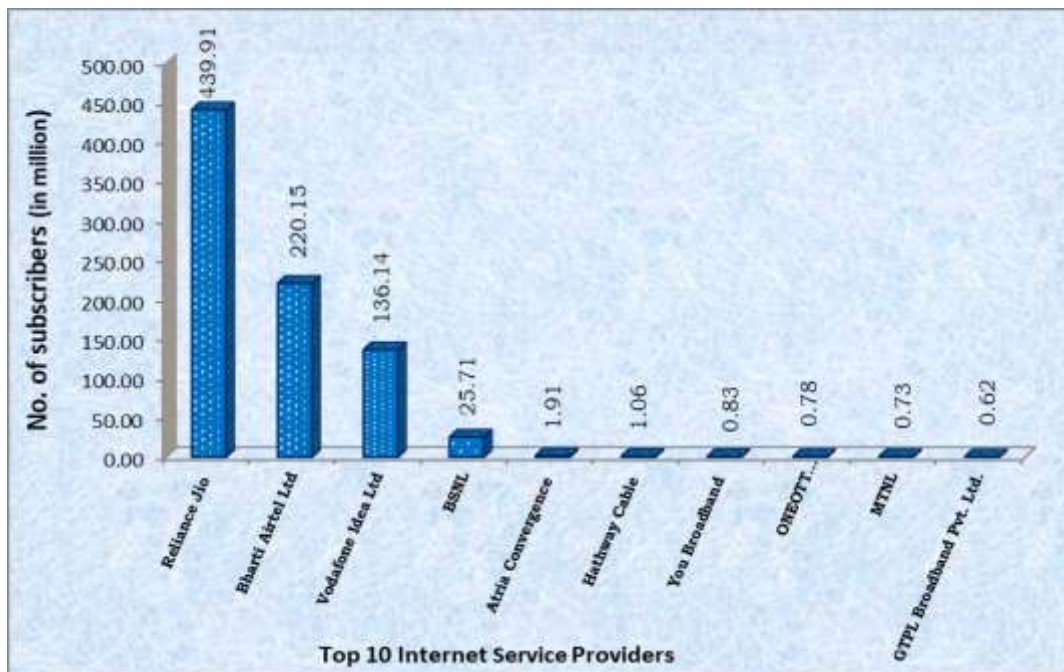
* Declined trend due to close of dial-up services by Bharat Sanchar Nigam Ltd.

1.47 Reliance Jio holds the top position with 52.77% of market share of internet subscribers followed by Bharti Airtel Ltd with 26.41% at the QE Jun-21. M/s Vodafone Idea Ltd held the third position in respect of internet subscriber base with market share of 16.33%.

1.48 Out of total 468 internet service providers, top 10 Service Providers together hold 99.30% of total internet subscriber base at the QE Jun-21. Detailed table of number of internet subscriber base (broadband and narrowband) of all the service providers is available at **Annexure-1.5**.

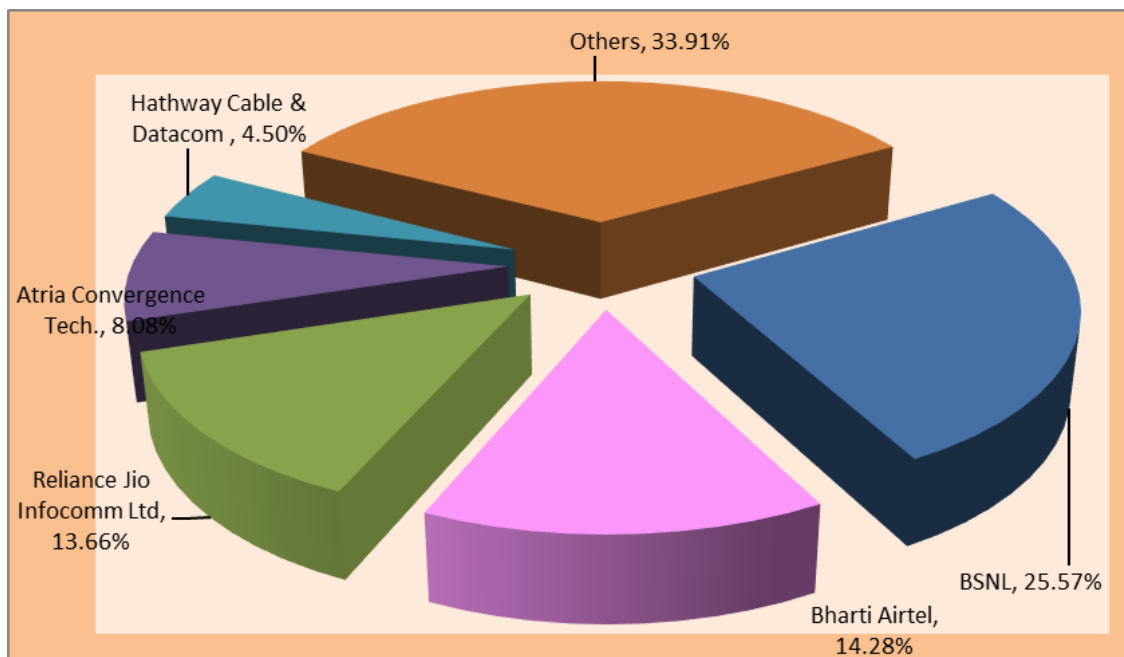
1.49 The following chart depicts the internet subscriber base of top ten Internet Service Providers (ISPs) in the QE Jun-21.

Chart 1.17 : Subscriber base of top ten ISPs



1.50 Out of total 23.58 million wired internet subscribers, BSNL holds 25.57% market share with 6.03 million subscribers, followed by Bharti with 3.37 million subscribers.

Chart 1.18 : Composition of Wired Internet subscribers



1.51 In wireless internet segment, Reliance Jio holds 53.901% market share with 436.69 million subscribers followed by Bharti Airtel Ltd with 26.76% of wireless internet subscribers at the QE Jun-21.

Chart 1.19 : Composition of Wireless Internet subscription

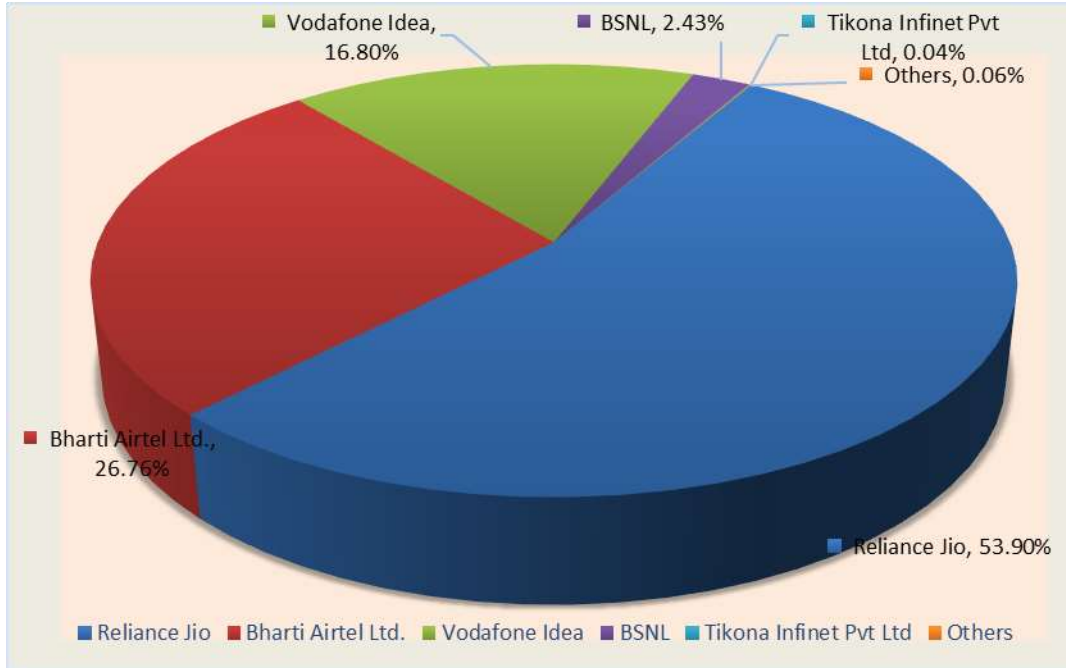


Chart 1.20 : Technology trend for Wireless Internet Access

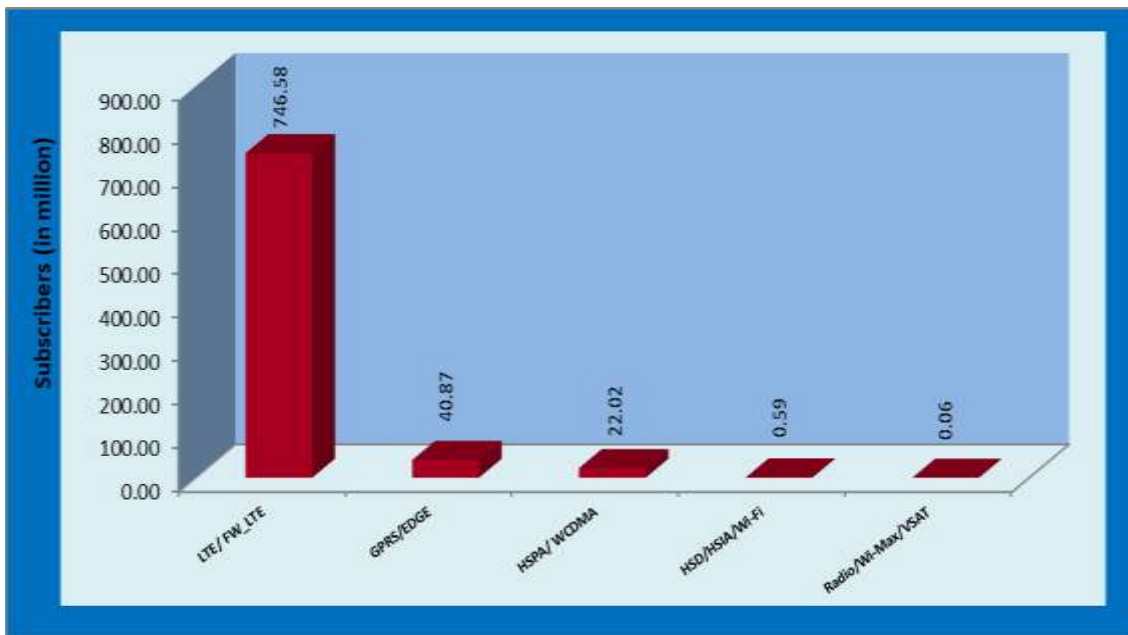
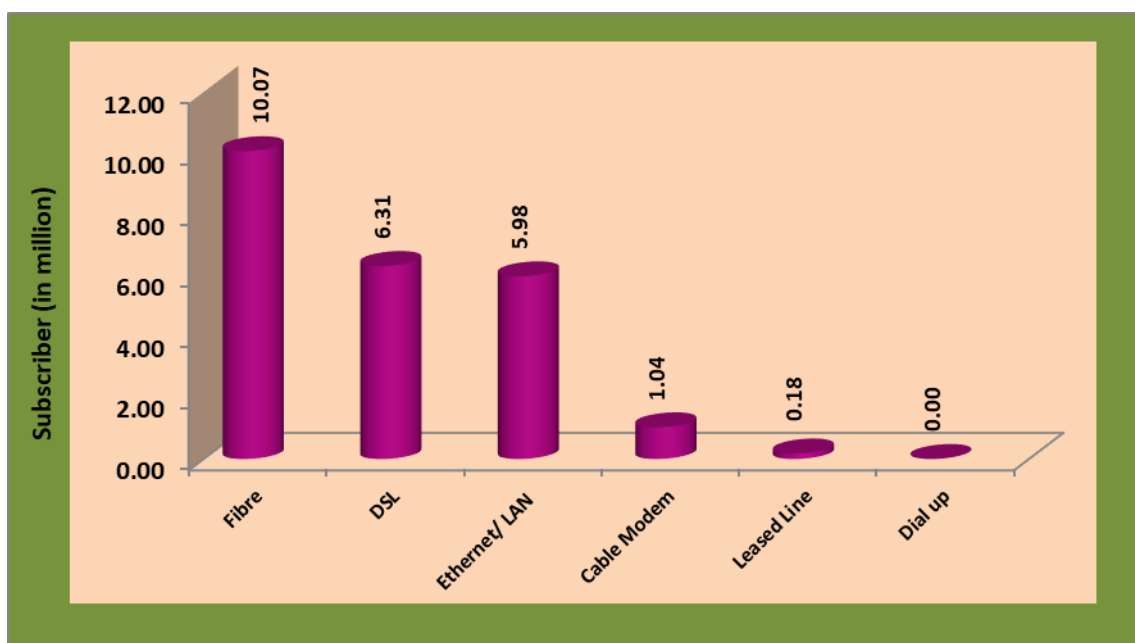


Chart 1.21: Technology trend for Wired Internet Access



1.52 Top five service areas in terms of internet subscriptions (wired+wireless) are Maharashtra (71.21 million), Andhra Pradesh including Telengana (64.38 million), U.P.(East) (63.50 million), Bihar (56.81 million) and Tamil Nadu (56.41 million).

Table 1.31 : Service Area wise number of Internet Subscribers per 100 population at the end of Jun-21

Service Area	Internet Subscribers (in million)			No. of Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Andhra Pradesh	28.89	35.49	64.38	53.25	97.56	71.04
Assam	10.19	6.50	16.69	34.25	120.40	47.48
Bihar	36.25	20.56	56.81	26.40	82.16	35.00
Delhi	0.82	44.46	45.27	-	-	218.69
Gujarat	16.44	35.14	51.58	44.74	102.01	72.46
Haryana	8.13	10.71	18.84	46.64	88.00	63.65
Himachal Pradesh	4.43	2.40	6.83	66.64	316.14	92.26
Jammu & Kashmir	3.78	4.65	8.44	39.40	112.53	61.40
Karnataka	18.37	31.27	49.64	48.62	107.06	74.10

Service Area	Internet Subscribers (in million)			No. of Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Kerala	13.25	17.16	30.41	131.89	67.13	85.40
Madhya Pradesh	23.60	32.50	56.10	28.73	100.56	49.01
Maharashtra	29.98	41.23	71.21	47.98	118.31	82.01
Mumbai	1.30	31.10	32.39			
North East	4.86	4.30	9.16	47.22	82.23	59.02
Orissa	14.58	7.53	22.10	40.61	91.98	50.15
Punjab	9.41	19.26	28.67	52.67	140.15	90.69
Rajasthan	22.30	23.01	45.31	38.07	109.64	56.95
Tamil Nadu	15.83	40.57	56.41	43.42	97.54	72.26
UP (East)	35.56	27.94	63.50	28.74	89.40	43.50
UP (West)	17.33	24.93	42.26			
Kolkata	1.41	17.58	18.99	34.03	100.47	58.07
West Bengal	20.17	18.55	38.72			
Total	336.87	496.84	833.71	37.74	105.06	61.06

* Population data/projections are available state-wise only.

Notes:

- No. of total internet subscribers per 100 population is derived from the subscriber data provided by the operators and the and the projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 - 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
- Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatishgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura states.

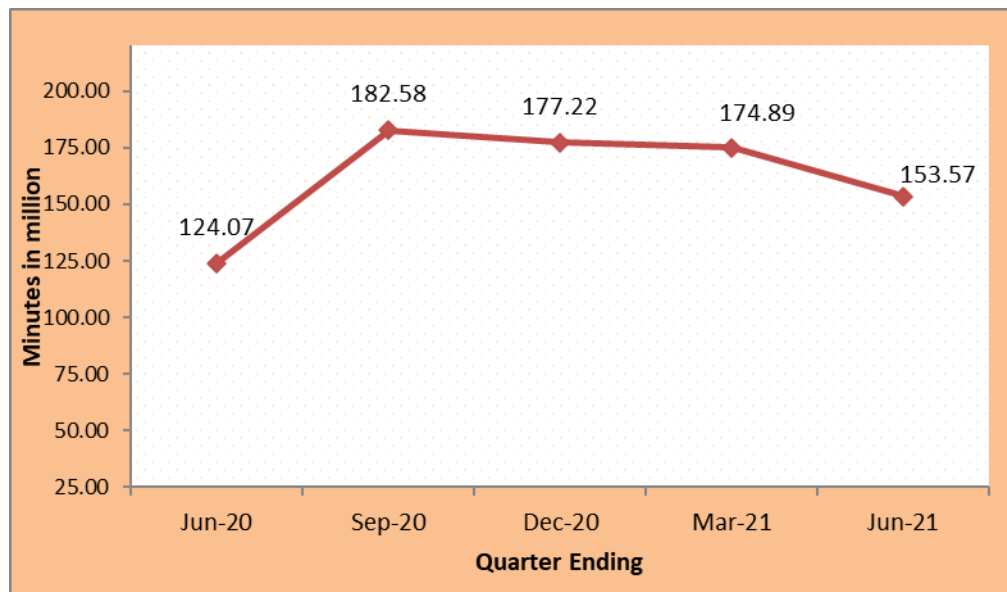
ISP Connectivity

1.53 The International Internet bandwidth owned by various service providers is reported to be 22,941 Gbps during the quarter ending Jun-21 as compare to 21,719 Gbps during the previous quarter.

Internet Telephony

1.54 As per the reports received from 13 service providers, providing Internet Telephony services, the total outgoing minutes of usage for internet telephony decreased from 174.89 million minutes at the end of Mar-21 to 153.57 million minutes at the end of Jun-21. List of Internet Telephony Service providers is available at **Annexure-1.6**.

Chart 1.22 : Trends in MOU for Internet Telephony



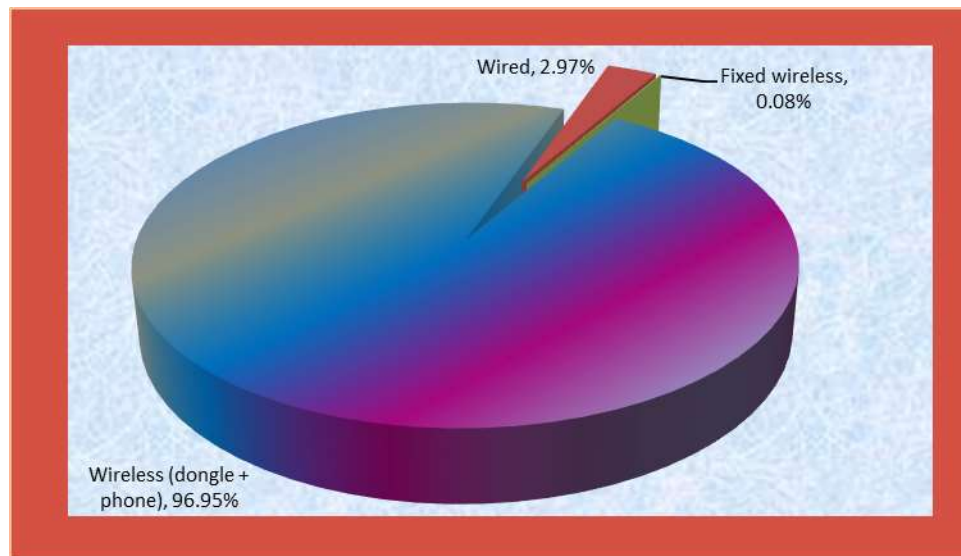
Part-II : Broadband Service (Download Speed \geq 512 Kbps)

1.55 The total number of broadband subscribers increased from 778.09 million at the end of Mar-21 to 792.78 million at the end of Jun-21. Out of which number of wired broadband subscribers are 23.52 million and wireless broadband subscribers are 769.26 million.

1.56 Top five broadband (wired+wireless) service providers in term of subscribers are Reliance Jio (439.91 million), Bharti Airtel (197.10 million), Vodafone Idea Ltd (121.42 million), BSNL (22.69 million) and Atria Convergence (1.91 million).

- 1.57 In wired broadband segment, BSNL holds 25.63% market share with 6.03 million subscribers followed by Bharti with 3.37 million subscribers in QE Jun-21.
- 1.58 In wireless broadband segment, Reliance Jio holds 56.77% market share with 436.69 million subscribers followed by Bharti Airtel Ltd (25.18%) with 193.74 million subscribers in QE Jun-21.
- 1.59 Top five service areas in respect of broadband subscriptions at Q.E. Jun-21 are Maharashtra (68.25 million), Andhra Pradesh including Telengana (61.38 million), U.P.-East (59.38 million), Tamil Nadu (53.73 million) and Madhya Pradesh (53.40 million).

Chart 1.23 : Composition of Broadband subscription – Technology wise

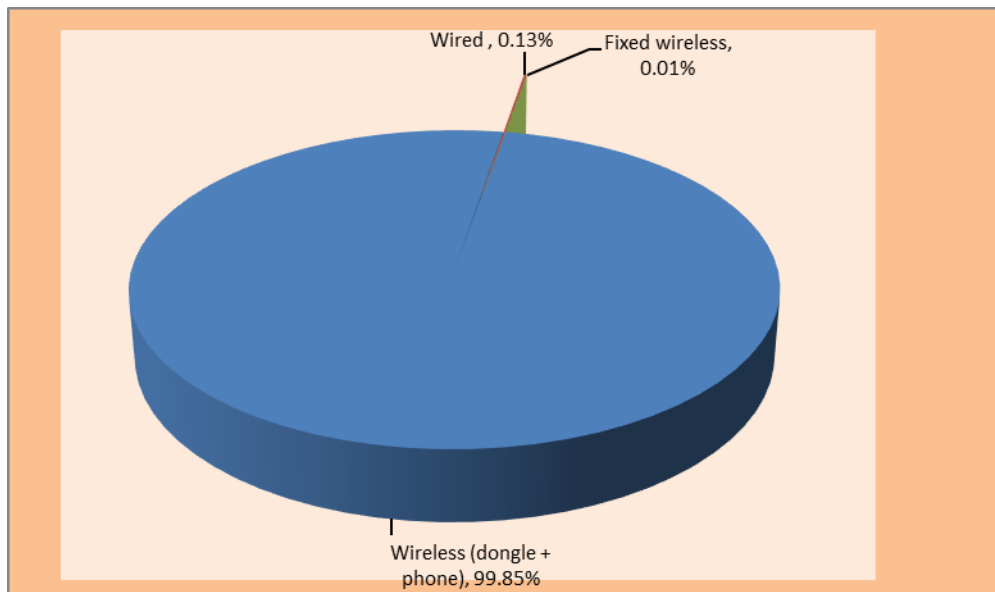


- 1.60 Mobile Device Users (dongle+phone) constitute 96.95% of total broadband subscribers at the end of Jun-21.

Part-III : Narrowband Service (Download Speed <512 Kbps)

- 1.61 Total number of narrowband subscribers declined from 47.21 million at the end of Mar-21 to 40.93 million at the end of Jun-21 with the quarterly decline rate of 13.30%. Out of 40.93 million narrowband subscribers, Wired Narrowband subscribers are 0.06 million and Wireless Narrowband subscribers are 40.88 million.
- 1.62 The top five narrowband (wired+wireless) service providers in term of subscriber base are Bharti Airtel (23.05 million), Vodafone Idea Ltd (14.72 million), BSNL (3.01 million), MTNL (0.09 million) and You Broadband (0.01 million) at the end of Jun-21.
- 1.63 In wired narrowband segment, You Broadband India Pvt Ltd holds 26.23% market share with 0.01 million subscribers followed by Foxtel Telecommunications Pvt. Ltd. with 0.007 million subscribers.
- 1.64 In wireless narrowband segment, Bharti Airtel holds 56.40% market share with 23.05 million subscribers followed by Vodafone Idea Ltd with 14.72 million subscribers.

Chart 1.24 : Composition of Narrowband subscription – Technology wise



Section E : Other Value Added Services - PMRTS &

Public Mobile Radio Trunk Services (PMRTS)

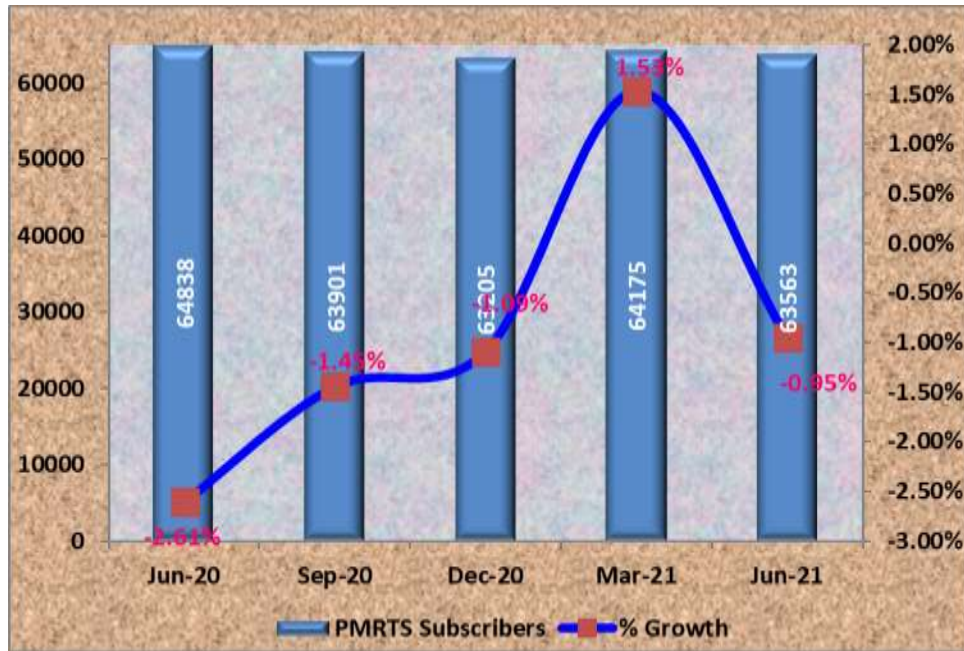
1.65 The subscriber base of PMRTS decreased from 64,175 at the end of Mar-21 to 63,563 at the end of Jun-21 with quarterly decline rate of 0.95%.

Table 1.32 : PMRTS Subscriber base - Service Provider wise

Sl. No	Name of the Service Provider	Subscriber Base as on 31.03.2021	Subscriber Base as on 30.06.2021	Net Addition	% Growth in subscribers in QE Jun-21
1	Arya Omnitalk Radio Trunking Services Pvt. Ltd.	53345	52647	-698	-1.31%
2	Procall Ltd.	3395	3428	33	0.97%
3	Quick Call	2040	2041	1	0.05%
4	Inative Networks Pvt Ltd	1820	1820	0	0.00%
5	Smartalk Pvt Ltd	1502	1533	31	2.06%
6	Bhilwara Telenet Services Pvt Ltd	871	866	-5	-0.57%
7	Wiwonet Solutions Pvt Ltd	751	777	26	3.46%
8	Airtalk Solutions & Services Pvt Ltd	451	451	0	0.00%
Total		64,175	63,563	-612	-0.95%

1.66 Detailed table on Service Area wise subscriber base of PMRTS as on 30th June, 2021 is available at **Annexure-1.7**.

Chart 1.25 : Number of PMRTS subscribers & Rate of Growth (%)



Very Small Aperture Terminal (VSAT)

1.67 The total number of VSAT subscribers decreased from 293,632 at the end of Mar-21 to 289,392 at the end of Jun-21. Net decrease during the quarter has been 4,240 at the decline rate of 1.44%.

Chart 1.26 : Number of VSAT Subscribers & Rate of Growth (%)



Table 1.33 : VSAT Service Providers currently providing service & their subscriber base

Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		Net Addition	%age Growth	Market Share (%) Jun-21
		Mar-21	Jun-21			
1	Hughes Communications Ltd.	127,380	129,724	2344	1.84%	44.83%
2	Bharti Airtel Limited	74,024	66,919	-7105	-9.60%	23.12%
3	Tatanet Services	73,927	74,704	777	1.05%	25.81%
4	BSNL	7,899	7,650	-249	-3.15%	2.64%
5	HCL Comnet	7,784	7,784	0	0.00%	2.69%
6	Infotel Satcom	2,568	2,561	-7	-0.27%	0.88%
7	Cloudcast Digital Ltd	50	50	0	0.00%	0.02%
Total		293632	289,392	-4240	-1.44%	100

1.68 Hughes Communication Limited continues to be the market leader with 44.83% share in VSAT with subscriber base of 129,724 followed by Tatanet Services with 74,704 at the end of Jun-21.

1.69 In term of net addition, Hughes Communication Limited added maximum number of VSAT subscribers (2,344 subscribers) during the QE Jun-21. Bharti Airtel Limited, BSNL, and Infotel Satcom have registered decline in their VSAT subscribers during the quarter.

Chapter 2 :

Revenue and Usage

Wireless Services

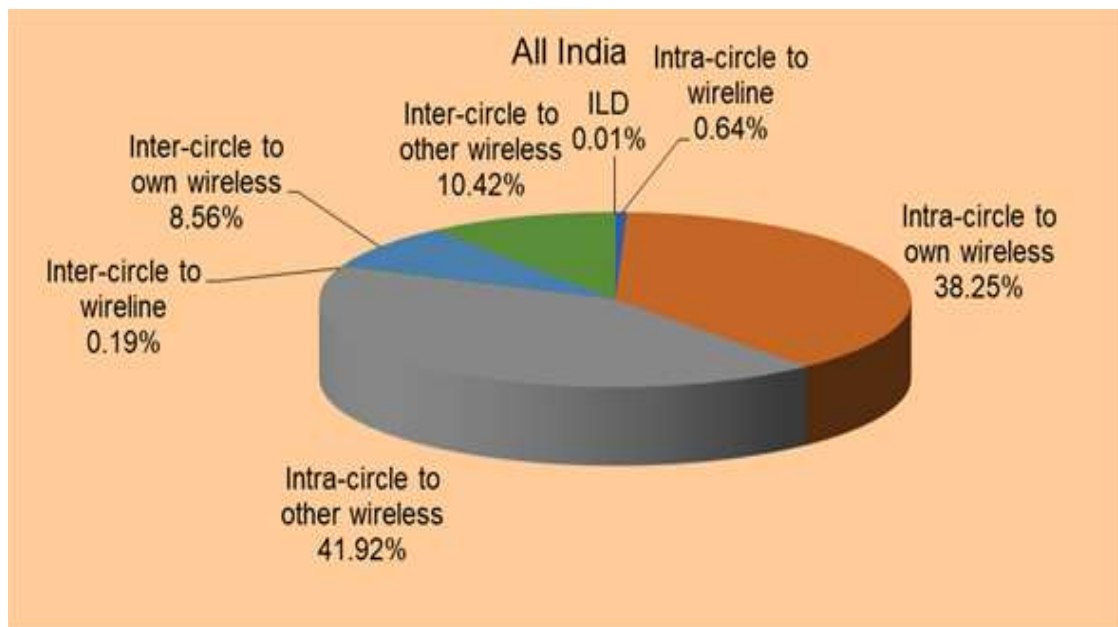
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- For all the parameters, Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN.
 - ARPU arrived after adjusting interconnect usage charges and roaming settlement charges.
 - The data contained in this section covers the licensees, who have been providing service during the entire period from 1st April, 2021 to 30th June, 2021 in the various service areas.

Table 2.1: Key Indicators – Wireless Services

Parameter	Jun-21	Mar-21	Jun-20	QoQ %age change	YoY %age change
Share of Prepaid (%)	94.81%	95.04%	95.48%	-0.24%	-0.71%
Incoming MOU per subscriber per month	405.43	411.42	372.62	-1.46%	8.80%
Outgoing MOU per subscriber per month	407.40	406.28	371.16	0.27%	9.76%
No. of Outgoing SMS per subscriber per month	15.13	15.68	15.30	-3.54%	-1.14%
Average Revenue Per User (ARPU) per month (₹)	104.66	103.58	90.12	1.04%	16.13%

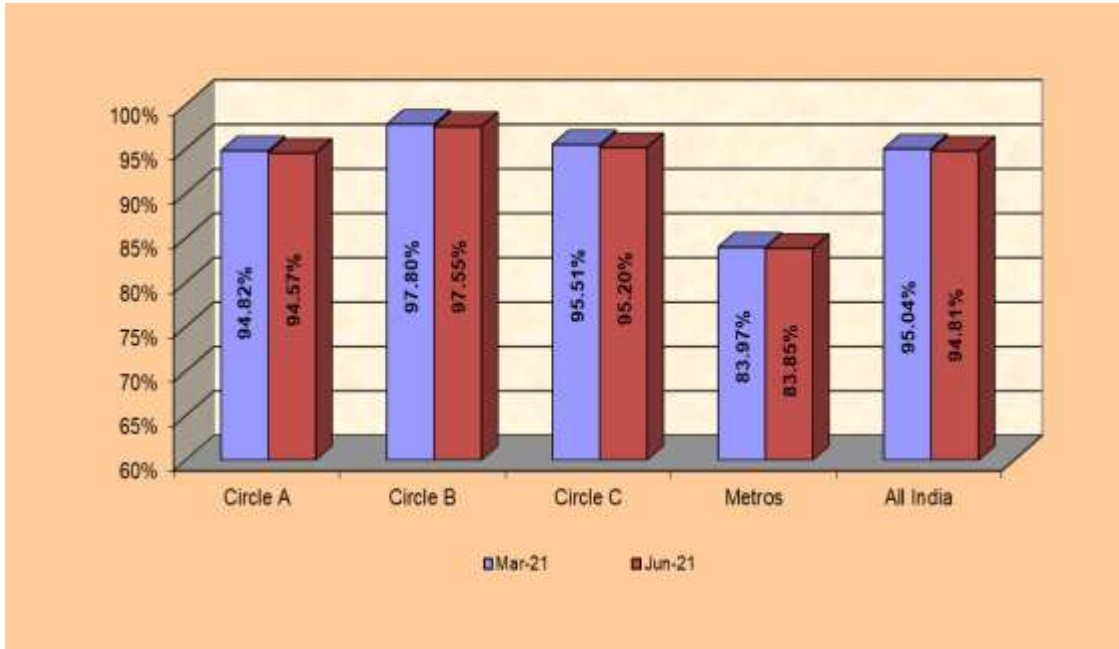
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Jun-21.

Chart 2.1: % Break-up of Outgoing minutes from Home Service Area (HSA)



2.2 The following chart presents pre-paid subscribers as a % of total subscribers as on the last day of the respective quarters for various categories of circles.

Chart 2.2: Proportion of prepaid subscribers



Note: Based on subscriber figures as on the last day of the quarter.

- 2.3 The market share of pre-paid segment has decreased from 95.04% at the end of Mar-21 to 94.81% at the end of Jun-21.
- 2.4 The ARPU per month (all India blended) increased from Rs.103.58 in QE Mar-21 to Rs.104.66 in QE Jun-21 with quarterly growth rate of 1.04%. Year-on-Year basis, ARPU per month increased by 16.13% in this quarter.
- 2.5 The ARPU per month for pre-paid segment is Rs.98.75 and ARPU per month for postpaid segment is Rs.215.44 in QE Jun-21.
- 2.6 The following table presents the ARPU per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.2: Monthly ARPU – Wireless Services in QE Jun-21

Circle Category	ARPU per month (in ₹)		
	Post-paid	Pre-paid	Blended
Circle A	252.99	109.31	116.93
Circle B	226.20	97.28	100.25
Circle C	198.68	100.46	105.00
Metros	174.39	61.95	80.08
All India	215.44	98.75	104.66
All private SPs	218.78	105.76	111.77
BSNL/MTNL	160.45	38.46	41.93

2.7 The following table presents the composition of ARPU per month for QE Jun-21.

Table 2.3: Composition of ARPU per month - Wireless Services

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	Share of total revenue from subscribers
1	Usage from Home Service Area		
1.1.	Rental Revenue#	0.72	0.6%
1.2.	Revenue from calls	14.03	12.5%
1.3.	Revenue from SMS	0.22	0.2%
1.4.	Revenue from data usage	94.00	83.6%
1.5.	Revenue from other VAS	1.25	1.1%
1.6.	Other revenue	1.75	1.6%
2	Usage outside Home Service Area		
2.1.	Revenue from out-roamers	0.44	0.4%
3	Total revenue from subscribers (1+2)	112.41	100%
4	Net inter-operator settlement charges receivable *	-7.76	
5	Net Revenue (ARPU) per month (3+4)	104.66	

* includes Interconnect Usages Charges and roaming settlement charges

Starting from QE March-20 the TSPs started bifurcating rental revenue amongst revenue from calls and data usage

There is a difference in ARPU calculated by TRAI and the figures published by TSPs in their financial statements. This is because each TSP has a different methodology to calculate the ARPU. For example, one of the TSPs calculated ARPU by dividing the service revenue by the average number of subscribers during the quarter. Another TSP calculated ARPU by dividing operating revenue as given in the P&L account for the quarter by the average subscriber base for the current and previous quarters. Further, TRAI calculates ARPU per month as Quarterly Revenue adjusted for interconnect usage charges and roaming settlement charges divided by average subscribers during the quarter for its own regulatory analysis. Therefore, the different methods result in a TRAI ARPU figure being less than what a TSP would declare in its quarterly financial results or presents to investors/Credit rating agencies.

2.8 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.7.76) accounted for 6.90% of the total revenue from subscribers in the Q.E. Jun - 2021.

2.9 On an all India average, the overall MOU per subscriber per month decreased by 0.60% from 818 in Q.E. Mar-21 to 813 in Q.E. Jun-21.

2.10 The following table presents the total MOU (usage from, and outside, the home service area) per subscriber per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid during Q.E. Jun-21.

Table 2.4: MOU per subscriber per month - QE Jun-21

Circle category	MOU per subscriber per month								
	Post-paid			Pre-paid			Blended		
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU
Circle A	344	308	652	380	367	747	378	364	742
Circle B	366	337	703	401	409	810	400	408	808
Circle C	458	400	858	481	511	992	480	506	986
Metro	276	217	493	454	414	868	425	383	808
All India	342	297	640	411	411	822	407	405	813

Note: MOU indicates total usage i.e. usage from and outside HSA

2.11 The overall ratio of incoming MOUs and outgoing MOUs for the Q.E. Jun-21 is 49.9: 50.1.

2.12 Average number of Outgoing SMS per subscriber per month is 15 in QE Jun-2021. The following table presents the outgoing SMS usage (usage from and outside, the home service area) per subscriber per month for various categories of circles and various categories of subscribers viz. post-paid and pre-paid during Q.E. Jun - 2021.

Table 2.5: No. of Outgoing SMS per subscriber per month during QE Jun-21

Circle category	Outgoing SMS per subscriber per month		
	Post-paid	Pre-paid	Blended
Circle A	41	15	16
Circle B	37	13	13
Circle C	20	18	18
Metro	37	11	16
All India	36	14	15

Note: No. of Outgoing SMS indicate total usage i.e. usage from and outside HSA

Chart 2.3 : Minutes of Usage by Out-roamers as a % of Total Minutes of Usage during Q.E. Jun-2021

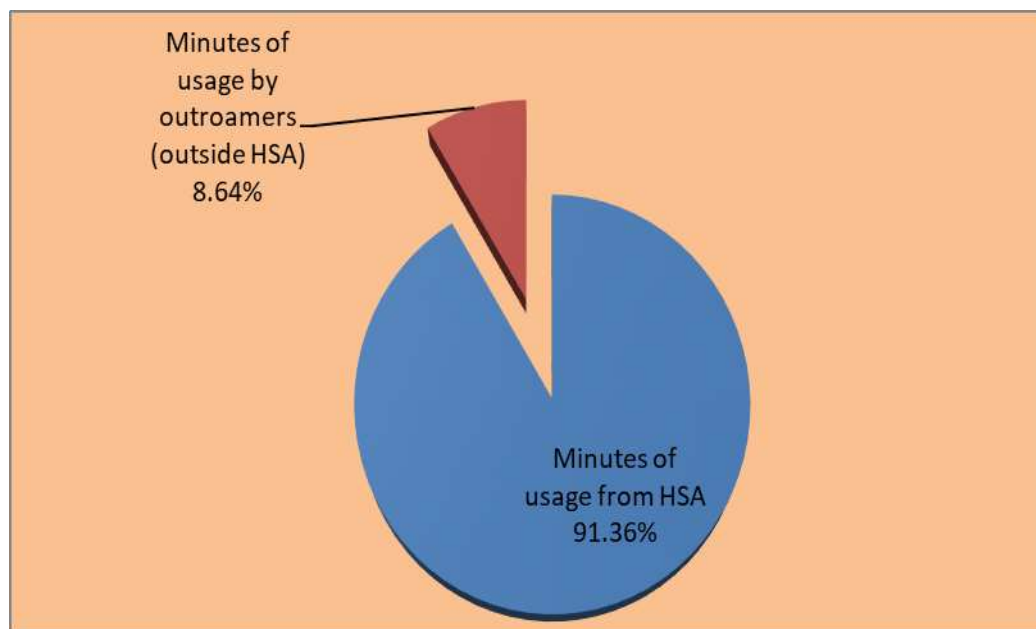
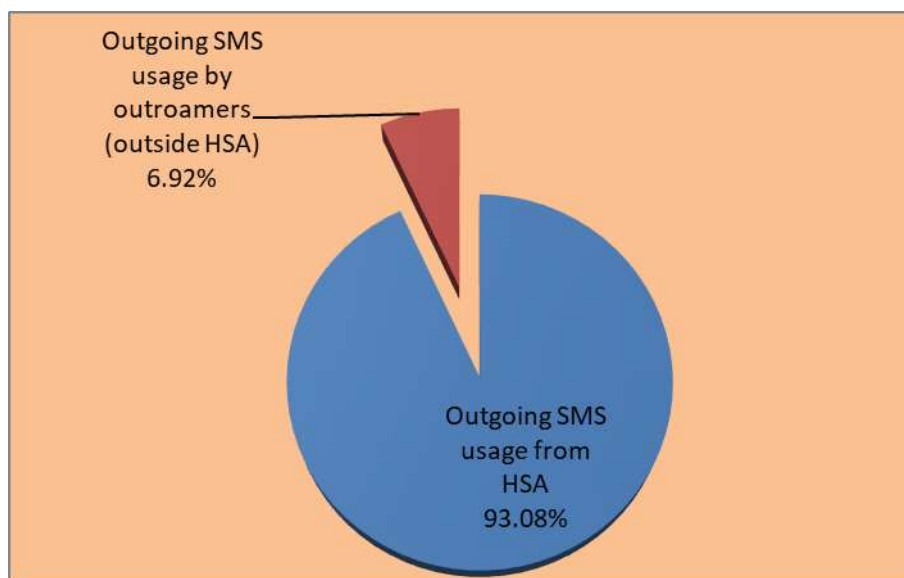


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage during Q.E. Jun-2021



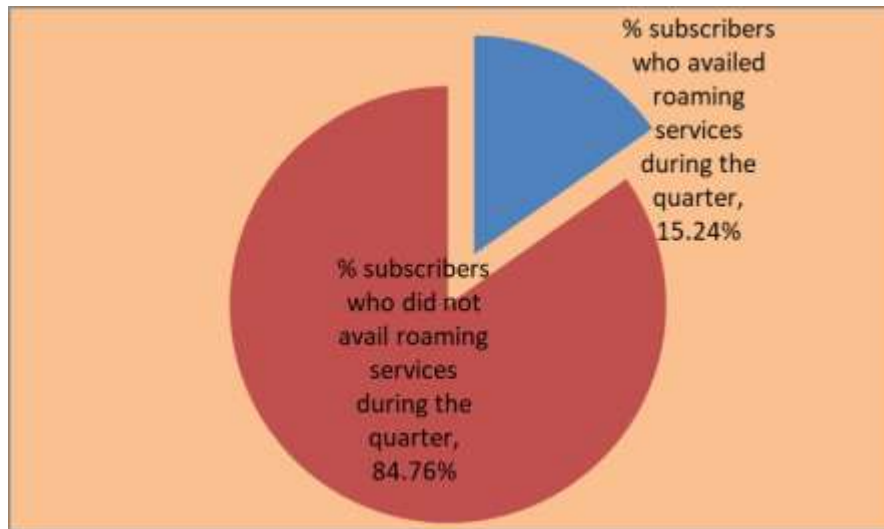
2.13 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks in the Q.E. Jun-21.

Table 2.6: % Break-up of Outgoing minutes from Home Service Area (HSA) during the Q.E. Jun - 2021

Category	% Intra-circle to wireline	% Intra-circle to own wireless	% Intra-circle to other wireless	% Inter-circle to wireline	% Inter-circle to own wireless	% Inter-circle to other wireless	% ILD
Circle A	0.70%	39.74%	46.21%	0.17%	5.88%	7.28%	0.01%
Circle B	0.63%	37.76%	42.82%	0.17%	8.18%	10.44%	0.01%
Circle C	0.38%	41.85%	36.23%	0.19%	10.32%	11.03%	0.00%
Metros	1.01%	28.20%	34.12%	0.35%	16.16%	20.13%	0.03%
All India	0.64%	38.25%	41.92%	0.19%	8.56%	10.42%	0.01%

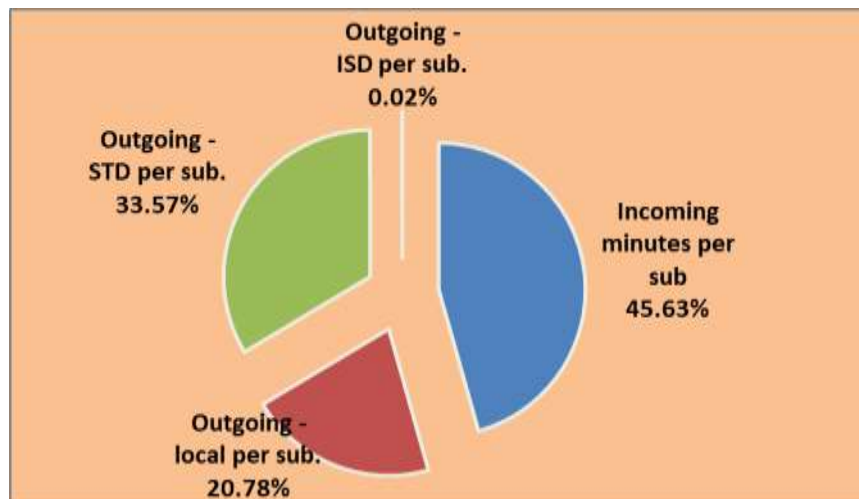
2.14 The following chart presents the share of outroamers (who had availed roaming services) as a percentage of total subscribers during Q.E. June - 2021.

Chart 2.5: % subscribers availed roaming services during the QE Jun-21



2.15 The usage pattern of outroamers i.e. usage from outside the home service area shows that incoming minutes accounts for 45.63% of the total minutes of usage by outroamers in QE June - 2021 as against 49.38% in the Mar-21 quarter. The chart given below presents the break-up of minutes of usage of outroamers.

Chart 2.6: % Break-up of minutes of usage of out-roamers (usage from outside the Home Service Area)



2.16 The tariff plans are of bundled nature and the trade-off is generally between monthly fixed charges and variable (call) charges. Therefore, average revenue per outgoing minute of usage from Home Service Area (HSA) as defined below would be a realistic indicator of average tariff levels.

8. Average Revenue per Outgoing Minute of usage from HSA

$$= \frac{\text{Revenue from Calls}}{\text{No. of outgoing minutes from HSA}}$$

Table 2.7: Average revenue per outgoing minute from HSA in QE Jun-21

(In Rs. per minute)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.06	0.04	0.04
Circle B	0.05	0.04	0.04
Circle C	0.02	0.03	0.03
Metros	0.06	0.03	0.03
All India	0.05	0.04	0.04

2.17 All India average revenue per outgoing minute has decreased from Rs.0.05 in the previous quarter to Rs. 0.04 in Q.E. June-21.

Table 2.8: Trends of Key Parameters - Wireless Services

Parameter	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21
1. ARPU (Rs. Per month)	90.12	96.87	101.65	103.58	104.66
2. Average revenue Realization per subscriber per GB wireless data (in Rs.)	10.55	10.95	11.01	10.77	9.80
3. MOU per subscriber per month	744	761	785	818	813
4. Outgoing MOU per subscriber per month					
4.1 Local (Intra-circle)	282	296	300	306	313
4.2 NLD (inter-circle)	90	84	92	100	94
4.3 ILD	0.09	0.07	0.06	0.06	0.05
5. Average no. of Outgoing SMS per subscriber per month	15	16	16	16	15
6. Average revenue per outgoing minute from HSA (in Rs.)	0.05	0.05	0.05	0.05	0.04

2.18 Service Area wise statistics are available at **Annexure-2.1**.

Chapter 3 :

Financial Data of Telecom Service Sector

Table 3.1: Gross Revenue (GR), Adjusted Gross Revenue (AGR), License Fee (LF) & Spectrum Charges

Particulars	QE Jun-20 (Rs. in Crore)	QE Mar-21 (Rs. in Crore)	QE Jun-21 (Rs. in Crore)	Q-O-Q % Change	Y-O-Y % Change
Gross Revenue (GR)	668,58	66,784	64,801	-2.97	-3.08
Adjusted Gross Revenue (AGR)	44,128	48,587	51,335	5.66	16.33
Pass Through Charges (GR-AGR)	227,30	18,196	13,466	-26	-40.76
License Fee (LF)	3,526	39,79	4,103	3.13	16.36
Spectrum Usage Charges (SUC)	1,369	1,540	1,646	6.84	20.20

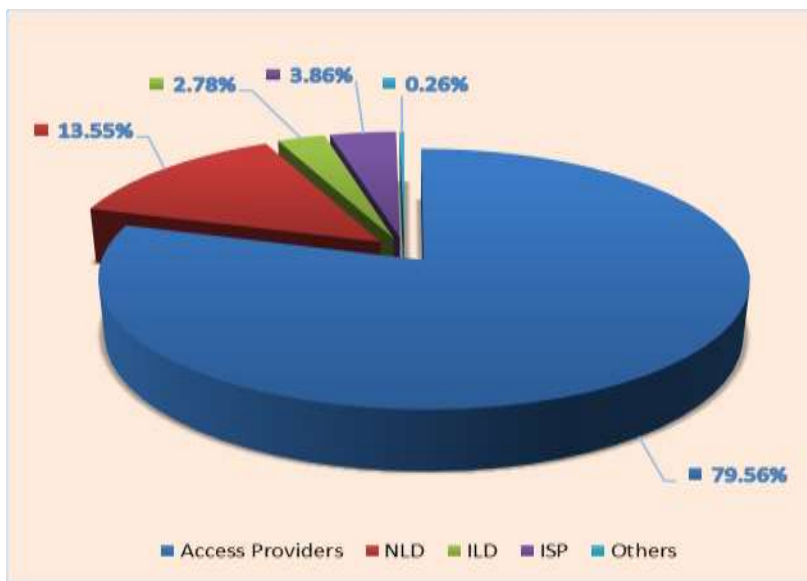
- 3.1 Gross Revenue (GR) decreased by 2.97% and Adjusted Gross Revenue (AGR) increased by 5.66% during QE Jun-21. On YoY basis GR also decreased by 3.08% however, AGR increased by 16.33% in QE Jun-21.
- 3.2 Pass through charges decreased on both quarterly and yearly basis by 26% and 40.76% respectively in the QE Jun-21.
- 3.3 Pass-through charges as a percentage of Gross Revenue are 20.78% in QE Jun-21 as against 27.25% in the previous quarter.

Table 3.2: Service-wise Gross Revenue, Adjusted Gross Revenue, License Fee and Spectrum Charges for QE Jun-21

(in Rs. Crore)

Service	GR	AGR	LF	Spectrum Usage Charges
Access Providers	50390.67	40840.46	3268.07	1630.91
NLD	7137.53	6954.17	556.34	-
ILD	2876.54	1425.14	110.71	-
ISP	4252.12	1980.12	158.56	-
Others	144.09	135.21	9.30	14.85
Total	64800.95	51335.09	4102.98	1645.76

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 79.56% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR) and Pass Through Charges decreased by 0.13% and 19.39% respectively, however, Adjusted Gross Revenue (AGR), License Fee and Spectrum Usage Charges (SUC)¹¹ increased by 5.78%, 3.49% and 6.14% respectively in QE Jun-21.

Table 3.3: Access Services - Service Provider wise Adjusted Gross Revenue
(Rs.in Crore)

Service Provider	QE Jun-21	QE Mar-21	% Change
Reliance Jio	17,843.56	16,422.83	8.65%
Bharti Airtel	13,696.06	13,049.44	4.96%
Vodafone Idea	6,238.18	6,152.25	1.40%
BSNL	2,122.75	1,987.31	6.82%
Tata Tele.	551.90	582.74	-5.29%
MTNL	326.70	302.53	7.99%
Reliance Com.	60.43	104.97	-42.43%

¹¹ Spectrum Usage Charge is payable by the licensees providing mobile access services, as a percentage of their Adjusted Gross Revenue (AGR).

(Source – DoT License Agreement)

Service Provider	QE Jun-21	QE Mar-21	% Change
Quadrant	0.67	3.88	-82.81%
V-Con Mobile & Infra Pvt. Ltd.	0.20	1.99	-89.84%
Grand Total (Access)	40,840.46	38,607.95	5.78%

3.5 Public Sector Undertakings' share in the Access AGR of telecom services is 6% in the QE Jun-21.

Table 3.4: Category-wise share in Adjusted Gross Revenue (AGR) of Access Services

Category	AGR of Access Services for QE Mar-21 (in crore)	%age share of AGR
Metro	3,959.07	9.69
A	15,423.64	37.77
B	15,457.36	37.85
C	6,000.38	14.69
Total	40,840.46	100

Notes: -

1. Figures are **un-audited** and as submitted by the TSPs.
2. A copy of quarterly Statement(s) of Revenue and Licence Fee and Spectrum Charges filed with the licensor(DoT) is submitted by Telecom Service Providers to TRAI in reference to TRAI's Order No.14-11/2009-FA, dated 9th August, 2010.
3. The figures have been re-grouped wherever considered necessary for analysis purpose.
4. Percentage of contribution of Five TSPs of Public Sector (BSNL, MTNL, Rail Tel, Power Grid, Oil India and Bharat Broadband) to AGR in NLD Service and two TSPs of Public Sector (BSNL/MTNL) in Access Services and BSNL in ILD Services.
5. For all the parameters metros indicate data for Delhi, Mumbai and Kolkata. Data for Chennai Service Area has been included as part of Tamil Nadu
6. From this quarter onwards ISPs is not included in 'Others'.

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Table 4.1: QoS Summary - Wireless Service

Summary of Performance of Service providers comparative to the previous quarter against identified parameters

S. N.	Parameters	Bench mark	Performance in respect of UASL/CMTS Licensees for the Parameters and Benchmarks			
			For Quarter Ending March, 2021		For Quarter Ending June, 2021	
			Out Of 88 (Nos.)	Out Of 88 (Nos.)	Out Of 88 (Nos.)	Out Of 88 (%)
I.	Network Related Parameters					
1	Network Availability					
(i)	BS Accumulated down-time (not available for service) (%age)	≤ 2%	0	0%	0	0%
(ii)	Worst affected BSs due to down-time (%age)	≤ 2%	0	0%	0	0%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate and Session Establishment Success Rate for Circuit Switched Voice or VoLTE as applicable(within licensee's own network)	≥ 95%	0	0%	0	0%
(ii)	SDCCH/ Paging Channel Congestion/ RRC Congestion (%age)	≤ 1%	0	0%	0	0%
(iii)	TCH, RAB and E-RAB congestion (%age)	≤ 2%	0	0%	0	0%
3	Connection Maintenance (Retain ability)					
(i)	Network QoS DCR Spatial Distribution Measure [Network_ QSD (90,90)]	≤ 2%	2	2.27%	2	2.27%
(ii)	Network QoS DCR Temporal Distribution Measure [Network_ QTD (97,90)]	≤ 3%	2	2.27%	2	2.27%
4	Connections with good voice quality, Circuit Switched Voice Quality and VoLTE quality					
(i)	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	0	0%	0	0%
6	Down Link (DL) Packet Drop Rate or DL-PDR					
(i)		≤ 2%	0	0%	0	0%

S. N.	Parameters	Bench mark	Performance in respect of UASL/CMTS Licensees for the Parameters and Benchmarks			
			For Quarter Ending March, 2021		For Quarter Ending June, 2021	
			Out Of 88 (Nos.)	Out Of 88 (Nos.)	Out Of 88 (Nos.)	Out Of 88 (%)
7	Up Link (UL) Packet Drop Rate or UL-PDR	≤ 2%	1	1.14%	1	1.14%
II.	<i>Customer Service Quality Parameters</i>					
8	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	0	0%	0	0%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	0	0%	0	0%
(iii)	Resolution of billing/charging/validity complaints	98% within 4 weeks	0	0%	0	0%
	Resolution of billing/charging/validity complaints	100% within 6 weeks	0	0%	0	0%
(iv)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	0	0%	1	1.14%
9	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	0	0%	4	4.55%
(ii)	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	20	22.73 %	15	17.05 %
10	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	0	0%	3	3.41%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	0	0%	0	0%

- 4.1 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters: -
- ❖ %age of calls answered by the operators (voice to voice) within 90 Seconds
- 4.2 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters: -
- i. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints
 - ii. Accessibility of call centre/customer care
 - iii. %age requests for Termination / Closure of service complied within 7 days

Table 4.2: Parameter wise Analysis of Non-compliance of QoS Benchmarks for Wireless Service Providers

Parameter	Benchmark	Service Provider	Service Area	Performance in QE June 2021 (in %)
Network QoS DCR Spatial Distribution Measure [Network_ QSD (90,90)]	≤ 2%	BSNL	West Bengal	6.12
		VIL	J&K	2.09
Network QoS DCR Temporal Distribution Measure [Network_ QTD (97,90)]	≤ 3%	BSNL	West Bengal	8.33
		VIL	J&K	3.85
Up Link (UL) Packet Drop Rate or UL-PDR	≤ 2%	BSNL	West Bengal	2.03
Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	VIL	Andhra Pradesh	99.63
Accessibility of call centre/ customer care	≥ 95%	BSNL	Andhra Pradesh	94.27
			Haryana	87.00
			J&K	85.00
			Rajasthan	88.30

Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	Airtel	Andhra Pradesh	89.00
			Assam	93.00
			Karnataka	88.00
			Kerala	83.00
			Kolkata	87.00
			North East	92.00
			Odisha	89.00
			Tamil Nadu	87.00
			West Bengal	83.00
		BSNL	Haryana	83.60
			J&K	82.35
			Karnataka	94.13
			Kerala	84.40
			Rajasthan	82.60
Tamil Nadu	88.55			
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	VIL	Haryana	99.81
			Maharashtra	99.98
			Punjab	99.61

4.3 The detailed table on Service Provider wise performance of QoS parameters for Wireless Services is available at **Annexure-4.1**.

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.3: QoS Summary - Wireline Service

Summary of Performance of service providers against identified parameters

S. No.	Parameters	Benchmark	No of license areas where operators not meeting the benchmarks			
			March, 2021		June, 2021	
			Out of 98 In Nos.	Out of 98 In %age	Out of 101 In Nos.	Out of 101 In %age
(i)	“Fault repair” Fault incidences No. of faults per 100 subs/month)	≤ 7	1	1.02%	0	0.00%
	% Fault repaired by next working day (for urban areas)	≥ 85%	8	8.16%	7	6.93%
(ii)	% Fault repaired within 5 days (for urban areas)	≥100%	2	2.04%	2	1.98%
	% Fault repaired by next working day (for rural and hilly areas)	≥ 75%	0	0.00%	0	0.00%
(iii)	% Fault repaired within 7 days (for rural and hilly areas)	≥100%	0	0.00%	0	0.00%
	“Mean time to Repair” (MTTR)	≤10Hs	5	5.10%	7	6.93%
(v)	“Point of Interconnection” (POI) Congestion (No. of PoIs not meeting benchmark)	≤ 0.5%	0	0.00%	0	0.00%
(vi)	“Metering and Billing” Metering and billing credibility - post-paid	≤ 0.1%	0	0.00%	0	0.00%
	Metering and Billing credibility - pre-paid	≤ 0.1%	0	0.00%	0	0.00%
(vii)	Resolution of billing/charging /Credit & validity complaints	98% within 4 weeks	0	0.00%	0	0.00%
	Resolution of billing/charging / Credit & validity complaints	100% within 6 weeks	0	0.00%	0	0.00%
(viii)	Period of applying credit /waiver/adjustment to customer's	1 week of resolution of complaint	0	0.00%	0	0.00%
(ix)	“Response time to the customer for assistance” Accessibility of call centre/ customer care	≥ 95%	0	0.00%	7	6.93%

	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	1	1.02%	18	17.82%
(x)	“Termination / closure of service”- %age of request for Termination / closure of service complied within 7 days	100% within 7 days	1	1.02%	1	0.99%
(xi)	Time taken for refund of deposits after closures	100% within 60 days	1	1.02%	4	3.96%

NOTE: Most of the SPs have not reported for the parameter “Metering and billing credibility - pre paid” due to not providing pre-paid service in Basic (Wire line) service.

4.4 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters: -

- ❖ Fault incidences No. of faults per 100 subs/month) ≤ **7**
- ❖ % Fault repaired by next working day (for urban areas) ≥ **85%**

4.5 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters: -

- ❖ “Mean time to Repair” (MTTR) ≤ **10Hs**
- ❖ Accessibility of call centre/customer care ≥ **95%**
- ❖ %age of calls answered by the operators (voice to voice) within 90 seconds ≥ **95%**
- ❖ Time taken for refund of deposits after closures **100% within 60 days**

**Table 4.4: Parameter wise Analysis of Non-compliance of QoS
Benchmarks for Wireline Service Providers**

Parameters	Benchmarks	Service Provider	Service areas	Parameters not met
% of faults repaired by next working day	For urban areas by next working day: $\geq 85\%$	MTNL	Delhi	54.41%
			Mumbai	68.70%
		TTSL	AP	82.05%
			Kerala	33.33%
			Maharashtra	82.05%
			Mumbai	74.94%
Tamil Nadu	76.81%			
% of faults repaired within 5 days	For urban areas: $\geq 100\%$	MTNL	Delhi	78.61%
			Mumbai	87.40%
Mean Time to Repair (MTTR)	≤ 10 Hrs	MTNL	Delhi	51.20
			Mumbai	29.1
		TTSL	AP	11.12
			Kerala	45.94
			Maharashtra	11.50
			Mumbai	15.61
Tamil Nadu	11.84			
Accessibility of call centre/ customer care	$\geq 95\%$	BSNL	Assam	93.63%
			Gujarat	92.04%
			Kerala	93.76%
			Kolkata	94.57%
			Maharashtra	89.18%
			MP	90.00%
Percentage of calls answered by the operators (voice to voice) within 90 seconds	$\geq 95\%$	Bharti Airtel	AP	88.00%
			Delhi	91.00%
			Gujarat	89.00%
			Haryana	93.00%
			J & K	84.00%
			Kolkata	90.00%
			Kerala	89.00%
			Karnataka	89.00%
			MP	89.00%
			Maharashtra	90.00%
			Mumbai	89.00%
			Punjab	92.00%
			Rajasthan	91.00%
			Tamil Nadu	91.00%
			UP-E	91.00%
		UP-W	94.00%	
BSNL	Kerala	92.87%		

Parameters	Benchmarks	Service Provider	Service areas	Parameters not met
		MTNL	Mumbai	52.52%
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	MTNL	Mumbai	96.24%
Time taken for refund of deposits after closures	100% within 60 days	BSNL	Kolkata	0.00%
		MTNL	Mumbai	11.53%
		TTSL	AP	99.20%
			Mumbai	99.20%

4.6 Detailed table containing QoS parameters for all the Wireline Service Providers is given in **Annexure-4.2**.

Section C : Quality of Service Performance of Broadband (wireline) Service

- 4.7 There are 398 Service Providers providing broadband (wireline) service at the end of June, 2021. Total number of broadband (wireline) subscriber base of all the broadband service providers is 2,34,77,389 in QE June, 2021 as compared to 2,27,74,934 in QE March, 2021.
- 4.8 Out of 398 broadband service providers providing broadband (wireline) service, only 71 service providers are having subscriber base more than 10,000 subscribers and share 98.23% of total subscriber base in this quarter. The total number of broadband subscribers (wireline) of service providers having more than 10,000 subscriber base, has increased from 2,23,71,051 at the end of March, 2021 (for 69 service providers) to 2,30,61,953 at the end of June, 2021 (for 71 service providers). This report covers performance of 65 broadband service providers' vis-à-vis the QoS benchmarks prescribed by TRAI for the QE June, 2021.
- 4.9 Service providers namely M/s. DL GTPL Broadband Pvt. Ltd., M/s Net 9 Online Hathway Pvt. Ltd., M/s Spiderlink Networks Pvt. Ltd. (3 New entrants) and M/s Dwan Supports Pvt. Ltd., M/s Signum Digital Networks Pvt. Ltd., M/s Ethernet Xpress India Pvt. Ltd. has not submitted their Performance Monitoring Report (PMR) in this quarter.

Table 4.5 : Summary of Performance of Broadband Service Providers against identified parameters

S. No.	Parameters	Benchmark	Quarter Ending		Quarter Ending	
			March, 2021		June, 2021	
			Out of 112	Out of 112	Out of 121	Out of 121
1	Service Provisioning	100% in =<15 working days				
1.2	%age of connections provided within 15 days of registration of demand	100%	6	5.36%	2	1.65%
2	Faults Repair					
2.2	% of faults repaired by next working day (>90%)	>90%	4	3.57%	6	4.96%
2.3	% of faults repaired within 3 working day	=>99%	4	3.57%	6	4.96%
3	Billing Performance					
3.3	%age of bills disputed	<2%	0	0.00%	0	0.00%
3.4	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	1	0.89%	0	0.00%
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	1	0.89%	2	1.65%
4	Response Time to the Customer for assistance					
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	0	0.00%	0	0.00%
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	0	0.00%	3	2.48%
5	Bandwidth utilisation/ throughput					
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	0	1	0.89%	0	0.00%
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	0	0	0.00%	0	0.00%

5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	<90%	0	0.00%	0	0.00%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	1	0.89%	0	0.00%
6	Service availability /uptime (for all users) in %age					
6.3	Service availability /uptime (for all users) in %age	>98%	0	0.00%	0	0.00%
7	Packet loss (for wired broadband access) in %age	<1%	0	0.00%	5	4.13%
8	Network latency (for wired broadband access)					
8.1	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	1	0.89%	1	0.83%
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0.00%	1	0.83%
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0.00%	0	0.00%

Table 4.6: Parameter-wise analysis of non-compliance of QoS benchmarks for Broadband Service Providers

Sl. No.	Parameters	Benchmark	Name of the Service Provider not meeting the Benchmark
1	Service Provisioning		
1.2	%age of connections provided within 15 days of registration of demand	100%	MTNL - Delhi & Mum (78.60%) United - Mah. (96.00%)
2	Faults Repair		
2.2	% of faults repaired by next working day (>90%)	>90%	MTNL - Delhi & Mum (61.76%) K NET - Chennai (87.96%), TN (89.33%) Tata (TTSL) - All India(except MH) (88.00%) Tata (TTML) - Mah. & Mumbai (81.00%) United - Mah. (76.33%)
2.3	% of faults repaired within 3 working day	=>99%	MTNL - Delhi & Mumbai (76.35%), K NET - Chennai(97.41%), TN(97.86%) Tata (TTSL) - All India(except MH) (96.00%), TATA(TTML) - Mah. & Mumbai. (93.00%) United - Mah (91.66%)
3	Billing Performance		
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100%	BSNL - All India (94.00%) MTNL - Delhi & Mum (55.89%)
4	Response Time to the Customer for assistance		
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	MTNL - Delhi & Mum (78.54%) K NET - Chennai(68.81%), TN(68.81%)
7	Packet Loss		
7	Packet loss (for wired broadband access) in %age	<1%	Joister - Mah.(1.00%) Nextra - Delhi (1.00%) RailTel - All India (1.00%) Sikka - UP(East)(1.00%) World Phone- All India(1.00%)
8	Network latency (for wired broadband access)		
8.1	User reference point at POP/ISP Gateway node to International gateway (IGSP/NIXI)	<120 ms	Nextra - Delhi (120)
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	Nextra - Delhi (350)

4.10 Detailed table containing QoS parameters for all the Broadband Service Providers is given in **Annexure-4.3**.

Chapter 5 : Performance of Cable TV, DTH and Radio Broadcasting Services

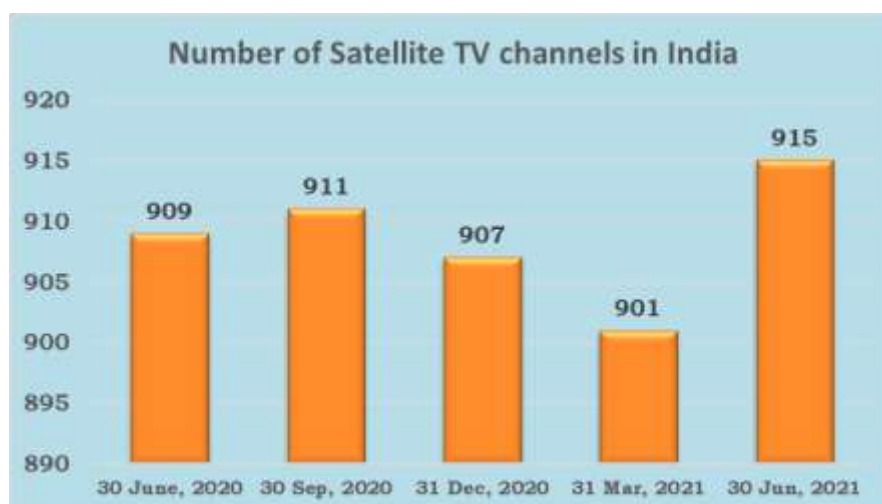
Table 5.1: Key Parameters - Broadcasting & Cable TV Services

S.No	Parameter	Mar-21	Jun-21
1	Number of Private satellite TV channels permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking only/both uplinking and downlinking	901	915
2	Number of Pay TV Channels as reported by broadcasters	327	346
3	Number of FM Radio Stations (excluding All India Radio)	366	384
4	Number of pay DTH Operators	4	4
5	Number of Operational Community Radio Stations	324	333
6.	Number of total active Subscribers with pay DTH operators (in million)	69.57	69.86

A. Satellite TV Channels

5.1 A total of **915** private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking only/both uplinking & downlinking, as on 30th June 2021. The total number of satellite TV channels is depicted in **Chart 5.1**. Further, the permission-wise number of permitted satellite TV channels is given in the **Table 5.2**.

Chart5.1- : Number of Satellite TV channels in India



Source: Ministry of I&B

Table 5.2: Permission-wise number of permitted satellite TV channels

Type of Permission	Number of channels	Remarks
Uplinking only	16	TV channels uplinked from India but downlinked abroad only
Downlinking only	70	TV channels uplinked from abroad but downlinked only in India
Both Uplinking & downlinking	829	TV channels uplinked from India and also downlinked only in India
Total	915	

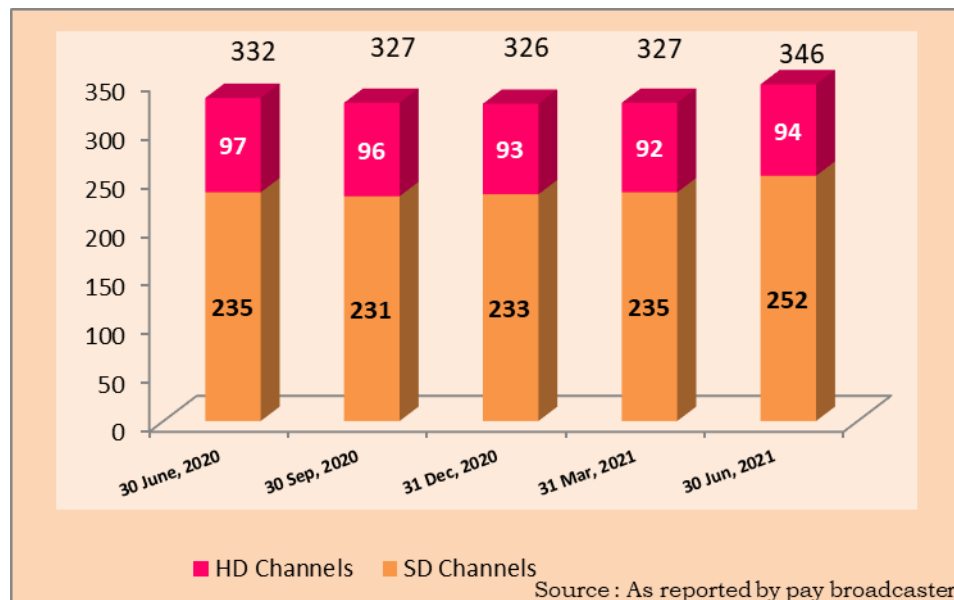
Pay TV Channels

5.2 As per the reporting done by broadcasters in pursuance of the Tariff Order dated 3rd March 2017 as amended, there are **346** satellite pay TV channels, as on 30th June 2021 which includes **252** SD satellite pay TV channels and **94** HD satellite pay TV channels. Apart from these pay channels reported to TRAI, all other channels permitted by MIB may be considered as Free to Air (FTA) channels. A list of pay TV channels offered by broadcasters for subscribers as reported to TRAI is attached as **Annexure-5.1**. **Chart-5.2** depicts total number of Pay satellite TV channels and FTA satellite TV channels during last one year. **Chart-5.3** depicts total number of SD satellite Pay TV channels and HD satellite Pay TV channels during last one year.

Chart5.2: Number of Pay and FTA channels



Chart 5.3 : Numbers of SD satellite pay TV channels and HD satellite pay TV channels



B. Cable TV Sector

5.3 The country has achieved 100% digitization of Cable TV network. This is a stupendous achievement making India as the only large country where 100% digital cable has been achieved through mandatory regulations.

5.4 As on 30th June 2021, there are 1731 MSOs registered with MIB. Further, as per the data reported by MSOs and HITS operators, there are 12 MSOs & 1 HITS operator who have subscriber base greater than one million. A list of such major MSOs and HITS operators is attached as **Annexure 5.2**. Details of subscriber base of major MSO and HITS Operators (greater than one million) are given in following table 5.3: -

Table 5.3: Subscriber base of major MSOs/HITS operators at the end of June, 2021 (more than one million subscribers)

Sl. No.	Name of the operator	Total Active Subscriber Base (includes subscribers who have been inactive or temporarily suspended for not more than last 90 days)
1.	Siti Networks Ltd.	7,861,314
2.	GTPL Hathway Ltd.	7,833,694
3.	Hathway Digital Ltd.	5,603,942
4.	Den Networks Ltd.	4,862,741
5.	Thamizhaga Cable TV Communication Pvt Ltd	3,693,943
6.	Kerala Communicators Cable Ltd	2,889,439
7.	Tamil Nadu Arasu Cable TV Corporation Ltd	2,885,583
8.	Fastway Transmissions Pvt Ltd	2,195,619
9.	KAL Cables Pvt. Ltd.	2,081,801
10.	NXT Digital Ltd (HITS)	2,025,202
11.	V K Digital Network Pvt. Ltd.	1,845,823
12.	Asianet Digital Network Pvt. Ltd.	1,208,681
13.	NXT Digital Ltd (Cable TV)	1,105,650

C. Direct-to-Home (DTH) Sector

5.5 Since its introduction in the year 2003, Indian DTH service has displayed a phenomenal growth. During the quarter ending 30th June, 2021, there were 4 pay DTH service providers in India. A list of DTH Operators is attached as **Annexure 5.3**.

5.6 Pay DTH has attained total active subscriber base of around 69.86 million. This is in addition to the subscribers of the DD Free Dish (free DTH services of Doordarshan). The total active subscriber base has increased from 69.57 million in March 2021 to 69.86 million in June 2021.

5.7 Quarterly growth in the DTH sector in terms of the total active subscriber base and market share of DTH operators in terms of

percentage of total active subscribers during the quarter ending 30th June 2021 is depicted in the following charts: -

Chart 5.4: - Total active subscriber base of pay DTH sector (in millions)

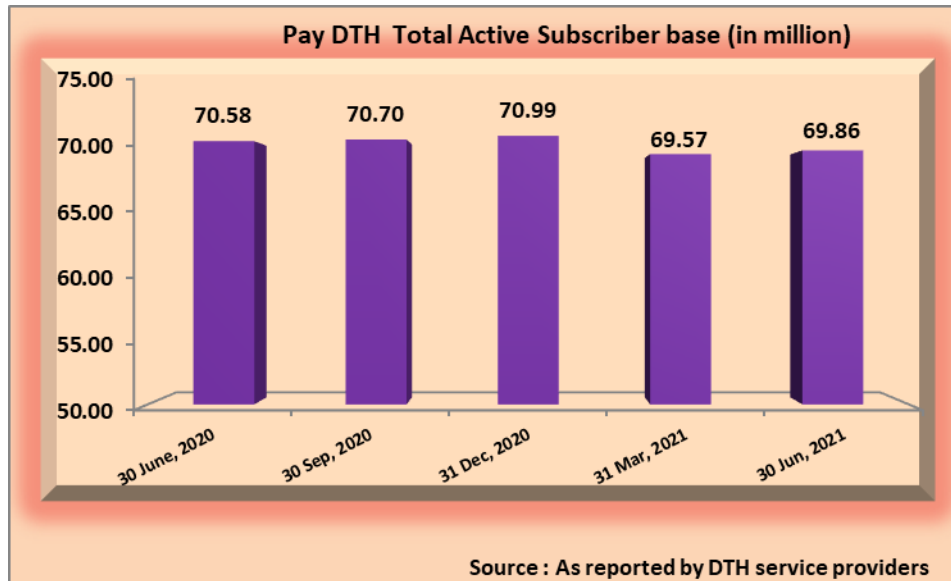
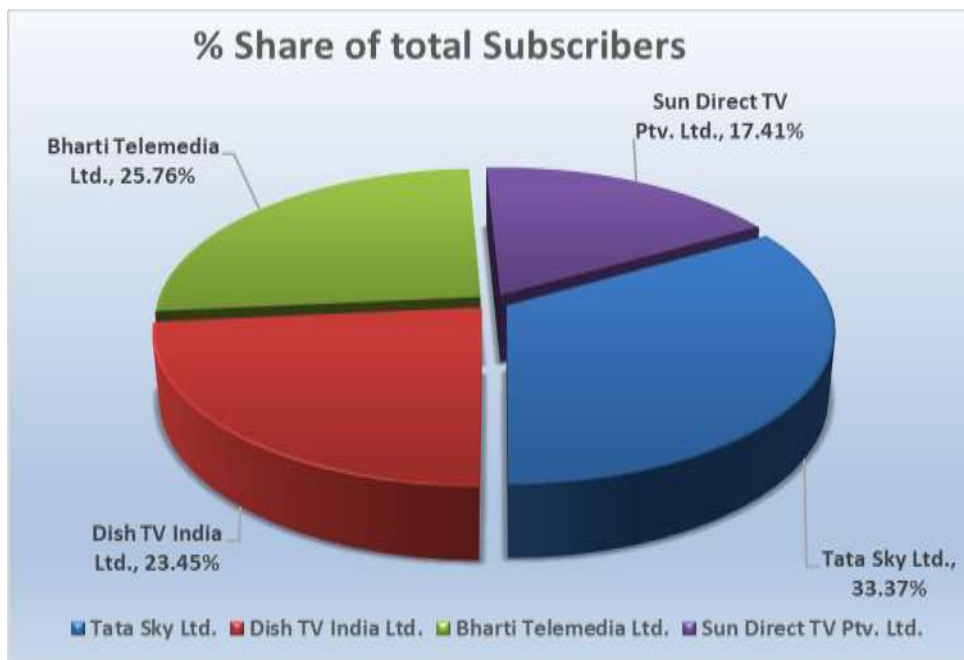


Chart 5.5 : Market share of DTH Operators

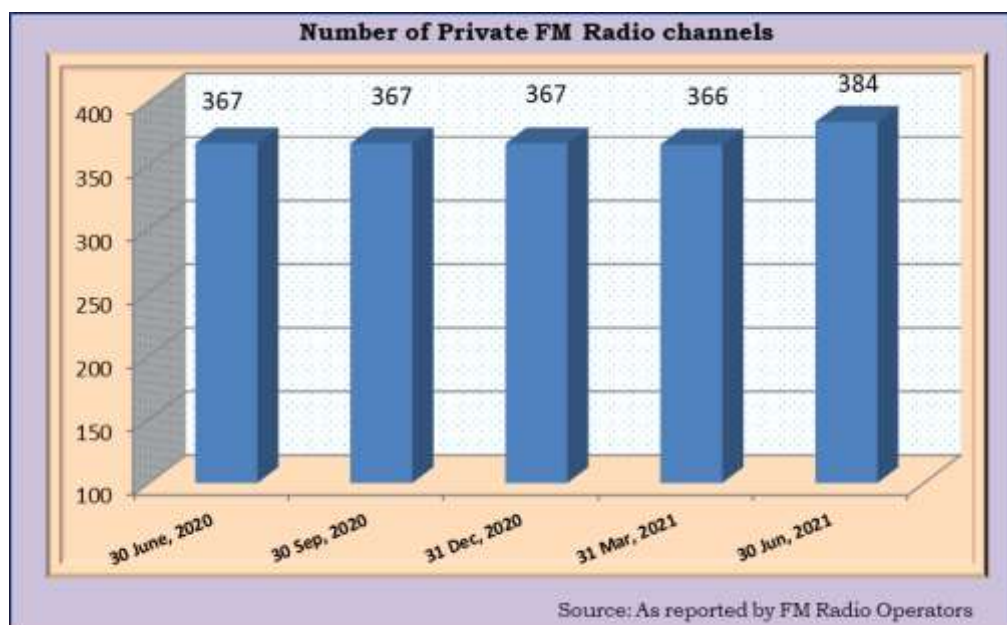


Source : As reported by DTH service providers

D. FM Radio Services

5.8 Apart from the radio channels operated by All India Radio – the public broadcaster, as per the data reported by FM Radio broadcasters to TRAI, as on 30th June, 2021, there are 384 operational private FM Radio stations in 111 cities operated by 34 private FM Radio broadcasters as compared to 366 private FM Radio Stations in 105 cities operated by 30 FM Radio broadcasters in the previous quarter. A list of 111 existing cities with operational private FM radio channels in India, as on 30th June, 2021 is placed at **Annexure 5.4**. The following **chart 5.6** depicts the quarterly growth in private FM Radio stations.

Chart 5.6 : Number of Private FM Radio channels



5.9 The advertisement revenue reported by FM Radio Broadcasters during the quarter ending 30th June 2021 in respect of 384 private FM Radio stations is Rs 148.02 crore as against Rs 321.52 crore in respect of 365 private FM Radio stations for the previous quarter i.e. 31st March 2021.

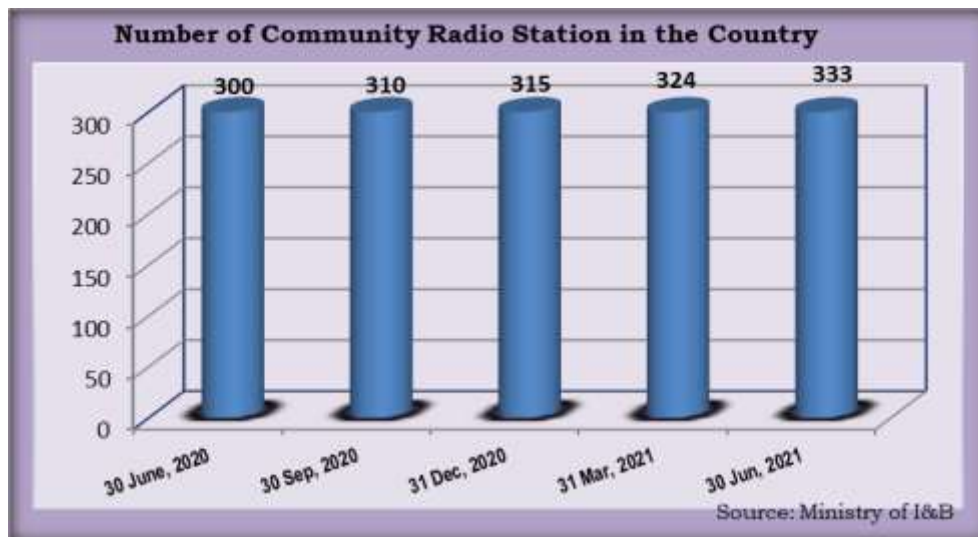
Chart 5.7: Details of Advertisement Revenue submitted by the private FM Radio broadcasters



F. Community Radio

5.10 As on 30th June, 2021, there are 333 Community Radio stations are operational. The quarterly growth in the number of operational community radio stations during last one year is depicted in the following **chart 5.8**.

Chart 5.8: Number of operational Community Radio Stations



Annexures

Annexure 1.1: Wireless Subscriber Base

Service Area	Vodafone Idea		Bharti Airtel (including Tata Teleservices)		Reliance Com.		BSNL		MTNL		Reliance Jio		Total		Net Additions
	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	
Andhra Pradesh	15752480	15084844	31320614	31207814	1029	936	9686428	9140635			31972495	32245396	88,733,046	87,679,625	-1053421
Assam	3203509	3060431	9238358	9396665			3033066	3065743			9243798	9538264	24,718,731	25,061,103	342372
Bihar	12113773	11303641	35992515	36148989	169	145	5845757	5645664			32515243	33575643	86,467,457	86,674,082	206625
Delhi	16219011	15925885	16429584	16216300	473	440			2161329	2159136	19743775	20132835	54,554,172	54,434,596	-119576
Gujarat	25254129	24784722	12097288	12109206	196	189	5906595	5767026			26151330	27341384	69,409,538	70,002,527	592989
Haryana	8256208	8085635	5479581	5563549	84	71	5055231	4981792			9087484	9409915	27,878,588	28,040,962	162374
Himachal Pradesh	674361	631358	3363193	3289031	96	96	3021606	2683988			4132426	4250862	11,191,682	10,855,335	-336347
Jammu & Kashmir	499253	473157	5623564	5503692	0	0	1270192	1269448			4645034	4665785	12,038,043	11,912,082	-125961
Karnataka	9219033	8564344	30624712	30184161	1776	1739	7214006	7145249			21577501	21921576	68,637,028	67,817,069	-819959
Kerala	16934704	16732881	6793854	6838692	461	430	10912516	10838814			10196287	10680602	44,837,822	45,091,419	253597
Madhya Pradesh	21630851	20855780	15417273	15407691	358	270	6310875	6108851			34515319	36109079	77,874,676	78,481,671	606995
Maharashtra	32234994	30711593	19104894	19373348	413	320	6824196	6748783			36747170	37793654	94,911,667	94,627,698	-283969
Mumbai	11327047	11155817	10082609	9609501	869	1962			1134692	1126838	15103932	15343634	37,649,149	37,237,752	-411397
North East	1407306	1325196	5430407	5415783	0	0	1370848	1367453			4242689	4383650	12,451,250	12,492,082	40832
Orissa	2364640	2189554	11177746	11160980	201	191	6476145	6421333			14325397	14994892	34,344,129	34,766,950	422821
Punjab	8683278	8501752	11651761	11518485	345	335	5759876	5425005			12739934	13452454	38,835,194	38,898,031	62837
Rajasthan	12248986	11776030	21955246	21740227	309	284	6398967	6051660			25693559	25984290	66,297,067	65,552,491	-744576
Tamil Nadu	19285654	18652929	27090503	27217937	762	610	11097611	10840836			25288818	25881565	82,763,348	82,593,877	-169471
UP(E)	22693255	21345731	35273025	35771527	409	297	11480009	11204795			31311492	33094058	100,758,190	101,416,408	658218
UP(W)	19763003	19084492	16936781	17319169	261	227	5876920	5748559			21039748	21641370	63,616,713	63,793,817	177104
Kolkata	7003470	6535798	5916041	5774553	28	27	2536248	2404595			11218010	11551066	26,673,797	26,266,039	-407758
West Bengal	16944652	16550356	15394227	15342722	936	910	2551390	2541042			21423645	22700730	56,314,850	57,135,760	820910
Total	283,713,597	273,331,926	352,393,776	352,110,022	9,175	9,479	118,628,482	115,401,271	3,296,021	3,285,974	422,915,086	436,692,704	1,180,956,137	1,180,831,376	-124761

Annexure 1.2: Wireline Subscriber Base

Sl. No	Service Area	Bharti Airtel		Reliance Com.		Quadrant		Tata Tele.		MTNL		BSNL		Vodafone Idea		Reliance Jio		Total		Net Additions
		Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	Mar-21	Jun-21	
1	Andhra Pradesh	259061	283986	22340	21514			159486	157413			561771	666598	51180	60585	356143	430973	14,09,981	16,21,069	2,11,088
2	Assam											82206	100503	3390	3450	47332	60021	1,32,928	1,63,974	31,046
3	Bihar			20	20			7469	7879			130408	172598	1740	1740	99896	138265	2,39,533	3,20,502	80,969
4	Delhi	1556389	1580518	34006	31437			137712	136165	1319143	1311468			86514	91069	260128	439383	33,93,892	35,90,040	1,96,148
5	Gujarat	121065	128028	4567	4014			79722	79571			466470	439640	39767	40757	239304	263360	9,50,895	9,55,370	4,475
6	Haryana	31502	35798	2	2			35504	35195			127004	159000	360	360	120641	45284	3,15,013	2,75,639	-39,374
7	Himachal Pradesh	0	0	3	0			1709	1619			75707	86867	30	30	11586	16705	89,035	1,05,221	16,186
8	Jammu & Kashmir	0	17996	0	0			0	0			87435	109641	0	0	80841	95686	1,68,276	2,23,323	55,047
9	Karnataka	812574	805018	26395	25143			249104	245123			721542	826670	86462	94472	259694	295018	21,55,771	22,91,444	1,35,673
10	Kerala	67176	67874	5699	5376			18969	18536			1033144	1159092	8390	8570	73093	88288	12,06,471	13,47,736	1,41,265
11	Madhya Pradesh	271690	284282	5	5			11220	11410			255109	289803	2360	2535	179532	215855	7,19,916	8,03,890	83,974
12	Maharashtra	159620	177703	12530	11941			226181	221850			737346	745862	26998	27793	99663	113095	12,62,338	12,98,244	35,906
13	Mumbai	403492	416301	64202	60712			488125	481892	1584446	1552715			120041	110665	396414	426830	30,56,720	30,49,115	-7,605
14	North East											67455	83514	330	330	34738	46431	1,02,523	1,30,275	27,752
15	Orissa			6	6			8116	8153			148145	191356	6540	6570	48756	63645	2,11,563	2,69,730	58,167
16	Punjab	152738	162000	1995	1734	216428	205347	12381	12702			227116	252516	2175	2235	93576	110368	7,06,409	7,46,902	40,493
17	Rajasthan	82247	89485	4576	4176			11746	11615			246388	284323	7510	13010	118267	141653	4,70,734	5,44,262	73,528
18	Tamil Nadu	573648	586977	26289	24946			118390	118144			857270	1024626	35300	36595	276314	319760	18,87,211	21,11,048	2,23,837
19	U.P.(E)	81891	90562	23	22			7642	8065			162235	176504	20460	20580	139826	170319	4,12,077	4,66,052	53,975
20	U.P.(W)	51871	61221	8	8			4450	4313			145503	176413	6760	6870	205746	175279	4,14,338	4,24,104	9,766
21	Kolkata	153326	151434	7659	7545			46249	46260			316756	311405	14930	15230	135866	159565	6,74,786	6,91,439	16,653
22	West Bengal			3	12			2350	2402			200429	225575	120	120	56357	78469	2,59,259	3,06,578	47,319
	Total	47,78,290	49,39,183	2,10,328	1,98,613	2,16,428	2,05,347	16,26,525	16,08,307	29,03,589	28,64,183	66,49,439	74,82,506	5,21,357	5,43,566	33,33,713	38,94,252	2,02,39,669	2,17,35,957	14,96,288

Annexure 1.3: Service Area and Service Provider-wise details of PCOs

Name of Telecom Service Area	Service Provider	Number of PCOs as on 31.03.2021	Number of PCOs as on 30.6.2021	Net PCO increase/ decrease as on 30.6.2021	Percentage Growth/ Decline as on 30.6.2021
Andhra Pradesh (Excluding Telangana)	Bharat Sanchar Nigam Limited	3,196	3,046	-150	-4.69%
	Bharti Airtel	0	0	0	-
Telangana	Bharat Sanchar Nigam Limited	3,579	3,538	-41	-1.15%
	Bharti Airtel	181	181	0	0.00%
Assam	Bharat Sanchar Nigam Limited	605	612	7	1.16%
Bihar (Excluding Jharkhand)	Bharat Sanchar Nigam Limited	504	484	-20	-3.97%
Jharkhand	Bharat Sanchar Nigam Limited	2,410	2,410	0	0.00%
Delhi	Bharti Airtel	330	330	0	0.00%
	MTNL	38,688	38,575	-113	-0.29%
Gujarat	Bharat Sanchar Nigam Limited	4,572	4,159	-413	-9.03%
	Bharti Airtel	15	14	-1	-6.67%
Haryana	Bharat Sanchar Nigam Limited	354	348	-6	-1.69%
	Bharti Airtel	133	133	0	0.00%
Himachal Pradesh	Bharat Sanchar Nigam Limited	547	567	20	3.66%
Jammu & Kashmir	Bharat Sanchar Nigam Limited	343	310	-33	-9.62%
Karnataka	Bharat Sanchar Nigam Limited	6,695	6,720	25	0.37%
	Bharti Airtel	2,664	2,619	-45	-1.69%
Kerala	Bharat Sanchar Nigam Limited	9,636	9,062	-574	-5.96%
	Bharti Airtel	380	380	0	0.00%
Kolkata	Bharat Sanchar Nigam Limited	1,746	1,647	-99	-5.67%
	Bharti Airtel	26	26	0	0.00%
Madhya Pradesh (Excluding Chhatisgarh)	Bharat Sanchar Nigam Limited	5,188	3,100	-2,088	-40.25%
	Bharti Airtel	0	0	0	-
Chhatisgarh	Bharat Sanchar Nigam Limited	180	145	-35	-19.44%
Maharashtra (Excluding Mumbai & Goa)	Bharat Sanchar Nigam Limited	5,808	4,981	-827	-14.24%
	Bharti Airtel	1	0	-1	100.00%
Mumbai	Bharti Airtel	50	50	0	0.00%
	MTNL	14,083	13,314	-769	-5.46%
Goa	Bharat Sanchar Nigam Limited	282	227	-55	-19.50%
Arunachal Pradesh	Bharat Sanchar Nigam Limited	9	9	0	0.00%
Manipur	Bharat Sanchar Nigam Limited	90	90	0	0.00%
Meghalaya	Bharat Sanchar Nigam Limited	94	94	0	0.00%
Mizoram	Bharat Sanchar Nigam Limited	93	27	-66	-70.97%
Nagaland	Bharat Sanchar Nigam Limited	0	0	0	-
Tripura	Bharat Sanchar Nigam Limited	470	470	0	0.00%
Orissa	Bharat Sanchar Nigam Limited	893	893	0	0.00%
	Bharat Sanchar Nigam Limited	1,147	1,087	-60	-5.23%
Punjab	Bharti Airtel	1	0	-1	-100.00%
	Quadrant	506	488	-18	-3.56%
Rajasthan	Bharat Sanchar Nigam Limited	900	820	-80	-8.89%
	Bharti Airtel	209	209	0	0.00%
Tamil Nadu (Excluding Chennai)	Bharat Sanchar Nigam Limited	9,667	9,483	-184	-1.90%
	Bharti Airtel	0	0	0	-
Chennai	Bharat Sanchar Nigam Limited	4,842	4,564	-278	-5.74%
	Bharat Sanchar Nigam Limited	3,373	3,134	-239	-7.09%
Uttar Pradesh East	Bharti Airtel	0	0	0	-
	Bharat Sanchar Nigam Limited	1,072	1,135	63	5.88%
Uttar Pradesh West (Excluding Uttarakhand)	Bharti Airtel	15	15	0	0.00%
	Bharat Sanchar Nigam Limited	293	452	159	54.27%
Uttarakhand	Bharat Sanchar Nigam Limited	208	197	-11	-5.29%
West Bengal (Excluding Andaman & Nicobar and Sikkim)					
Andaman & Nicobar	Bharat Sanchar Nigam Limited	30	30	0	0.00%
Sikkim	Bharat Sanchar Nigam Limited	0	0	0	-
Total		1,26,108	1,20,175	-5,933	-4.70%
Total (In Lakhs)		1.26	1.20	-0.06	-4.70%

Annexure 1.4: Service Area and Service Provider wise details of Village Public Telephones (VPTs)

S.No	Name of Telecom Service Area	Service Provider	Number of VPTs as on 31.03.2021	Number of VPTs as on 30.06.2021	Net VPTs increase/ decrease as on 30.06.2021
1	Andhra Pradesh (Excluding Telangana)	Bharat Sanchar Nigam Limited	2,052	2,052	0
2	Telangana	Bharat Sanchar Nigam Limited	844	844	0
3	Assam	Bharat Sanchar Nigam Limited	105	105	0
4	Bihar (Excluding Jharkhand)	Bharat Sanchar Nigam Limited	5,893	5,893	0
5	Jharkhand	Bharat Sanchar Nigam Limited	221	221	0
6	Gujarat	Bharat Sanchar Nigam Limited	5,278	5,278	0
7	Haryana	Bharat Sanchar Nigam Limited	462	462	0
8	Himachal Pradesh	Bharat Sanchar Nigam Limited	1,875	1,875	0
9	Jammu & Kashmir	Bharat Sanchar Nigam Limited	810	810	0
10	Karnataka	Bharat Sanchar Nigam Limited	3,656	3,656	0
11	Kerala	Bharat Sanchar Nigam Limited	331	331	0
12	Kolkata	Bharat Sanchar Nigam Limited	130	130	0
13	Madhya Pradesh (Excluding Chhatisgarh)	Bharat Sanchar Nigam Limited	9,907	9,907	0
14	Chhatisgarh	Bharat Sanchar Nigam Limited	193	193	0
15	Maharashtra (Excluding Mumbai & Goa)	Bharat Sanchar Nigam Limited	7,615	7,615	0
16	Goa	Bharat Sanchar Nigam Limited	231	231	0
17	Arunachal Pradesh	Bharat Sanchar Nigam Limited	623	623	0
18	Manipur	Bharat Sanchar Nigam Limited	93	93	0
19	Meghalaya	Bharat Sanchar Nigam Limited	207	207	0

Annexure 1.4 (contd.)

S.No	Name of Telecom Service Area	Service Provider	Number of VPTs as on 31.03.2021	Number of VPTs as on 30.06.2021	Net VPTs increase/ decrease as on 30.06.2021
20	Mizoram	Bharat Sanchar Nigam Limited	12	12	0
21	Nagaland	Bharat Sanchar Nigam Limited	25	25	0
22	Tripura	Bharat Sanchar Nigam Limited	222	222	0
23	Orissa	Bharat Sanchar Nigam Limited	1,554	1,554	0
24	Punjab	Bharat Sanchar Nigam Limited	4,493	4,493	0
25	Rajasthan	Bharat Sanchar Nigam Limited	0	0	0
26	Tamil Nadu (Excluding Chennai)	Bharat Sanchar Nigam Limited	5,478	5,478	0
27	Uttar Pradesh East	Bharat Sanchar Nigam Limited	568	568	0
28	Uttar Pradesh West (Excluding Uttarakhand)	Bharat Sanchar Nigam Limited	1,637	1,637	0
29	Uttarakhand	Bharat Sanchar Nigam Limited	2,121	2,121	0
30	West Bengal (Excluding Andaman & Nicobar and Sikkim)	Bharat Sanchar Nigam Limited	11,557	11,557	0
31	Andaman & Nicobar	Bharat Sanchar Nigam Limited	93	93	0
32	Sikkim	Bharat Sanchar Nigam Limited	320	320	0
	Total		68,606	68,606	0.00
	Total (In Lakh)		0.69	0.69	0.00

**Annexure 1.5 : Internet Service Provider(ISP) wise Internet Subscriber base
as on 30.06.2021**

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
1	Reliance Jio Infocomm Ltd	0	439913010	439913010
2	Bharti Airtel Ltd.	23049474	197101230	220150704
3	Vodafone Idea Limited	14721538	121419070	136140608
4	Bharat Sanchar Nigam Ltd.	3013271	22693048	25706319
5	Atria Convergence Technologies Pvt. Ltd.	0	1905009	1905009
6	Hathway Cable & Datacom Pvt. Ltd.	0	1061884	1061884
7	You Broadband India Pvt. Ltd.	14497	817446	831943
8	ONEOTT iNTERTAINMENT LTD	0	777506	777506
9	Mahanagar Telephone Nigam Ltd.	85250	645529	730779
10	GTPL Broadband Pvt. Ltd.	0	620875	620875
11	Excitel Broadband Private Limited	0	569614	569614
12	Alliance Broadband Services Pvt. Ltd.	0	467611	467611
13	Netplus Broadband Services Pvt. Ltd	0	387931	387931
14	RailTel Corporation of India Ltd.	0	370487	370487
15	Asianet Satellite Communications Ltd.	0	321939	321939
16	Tikona Infinet Pvt Ltd	0	314742	314742
17	D-Vois Broadband Private Limited	0	270708	270708
18	INTECH ONLINE PVT LTD	0	254162	254162
19	Quadrant Televentures Ltd.	56	225621	225677
20	Tata Sky Broadband Private Limited	0	212291	212291
21	Joister Infoserve Pvt. Ltd.	0	207496	207496
22	Indinet Service Pvt Ltd	0	130472	130472
23	DEN Broadband Limited	0	102775	102775
24	Wish Net Pvt. Ltd.	0	95867	95867
25	Five Network Solution (India) Ltd.	0	88658	88658
26	ANI network Pvt Ltd	0	76035	76035
27	AIRNET CABLE AND DATACOM PVT LTD	0	71706	71706
28	Fusionnet Web Services Pvt. Ltd.	0	64279	64279
29	GTPL KCBPL Broadband Private Limited	0	63055	63055
30	SITI Broadband Services Pvt. Ltd.	0	62320	62320
31	Ishan Netsol Pvt Ltd	261	53411	53672
32	Digital Satellite Connect Pvt. Ltd.	0	52791	52791
33	K Net Solutions Pvt. Ltd.	0	45372	45372
34	Limras Eronet Broadband Service Pvt Ltd	0	43033	43033
35	Dwan Supports Pvt.Ltd.	0	42000	42000
36	Honesty Net Solutions (I) Pvt Ltd	36	39221	39257
37	Wan and Lan Internet Pvt. Ltd.	0	34667	34667
38	INSTANET TECHNOLOGIES PRIVATE LIMITED	0	33351	33351
39	DNA Infotel Pvt Ltd	0	31288	31288

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
40	MICROSCAN COMPUTERS PVT LTD	0	28645	28645
41	Tata Teleservices Limited	115	45187	45302
42	World Phone Internet Services Pvt Ltd	0	25255	25255
43	Sikka Broadband(P) Ltd.	0	24586	24586
44	Shyam Spectra Private Limited	0	24357	24357
45	Ortel Communication Ltd.	0	22112	22112
46	SRISTISANCHAR WEBNET LTD	0	21709	21709
47	Digital Network associates Pvt. Ltd	0	21637	21637
48	Ethernet Xpress India Pvt. Ltd	0	20877	20877
49	Airlink Communications Pvt. Ltd	0	20445	20445
50	Rajesh Digital & Data Com Pvt. Ltd.	16	20189	20205
51	City Online Services Ltd	0	19950	19950
52	Tachyon Communications Pvt. Ltd.	0	19898	19898
53	ESTO BROADBAND Pvt. Ltd.	0	19072	19072
54	RI Networks Pvt Ltd	0	18480	18480
55	Readylink Internet Services Pvt Ltd	0	17177	17177
56	B2H Infonet Pvt Ltd	0	16909	16909
57	Yashash Cable Network Pvt Ltd	0	16836	16836
58	Sai Prasad Internet Services Pvt. Ltd.	0	16637	16637
59	Quest Consultancy Pvt. Ltd.	0	16246	16246
60	United Telecoms Ltd.	0	15704	15704
61	Radinet Info Solutions Pvt Ltd	0	15306	15306
62	Meghbela Cable & Broadband Servies (P) Ltd	0	14737	14737
63	Shree Omkar Infocom Pvt. Ltd.	0	14392	14392
64	Nuron Networks India Private Limited	0	14070	14070
65	Tata Communications Limited	101	13420	13521
66	Nextra Teleservices Pvt. Ltd.	0	13113	13113
67	Multicraft Digital Technologies Private Limited	0	12857	12857
68	Spiderlink Networks Pvt. Ltd.	0	12144	12144
69	Intermedia Cable Communication Pvt Ltd	0	12034	12034
70	Signum Digital Networks Pvt. Ltd	0	11013	11013
71	Airconnect Internet Services Pvt. Ltd.	5492	5492	10984
72	DL GTPL BROADBAND PVT LTD	0	10786	10786
73	Net 9 Online Hathway Private Limited	0	10677	10677
74	LM Energy and Software Pvt. Ltd.	0	10035	10035
75	Angel Air Network Solutions Private Limited	0	9960	9960
76	North East Dataa Network Pvt Ltd.	0	9924	9924
77	Ultranet Infotech Solution Private Limited	0	9731	9731
78	Juweriyah Networks Pvt Ltd	0	9606	9606
79	Cityzone Infonet Pvt. Ltd	0	9316	9316
80	Kernel Fibernet Online Network Pvt Ltd	0	9122	9122
81	Veloxr Telecom Pvt. Ltd. (Shree Balaji Infoway Pvt Ltd.)	0	8902	8902

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
82	Jetway Broadband India Pvt.Ltd.	0	8667	8667
83	Apna Telelink Ltd.	0	8368	8368
84	Broadband Pacenet (I) Pvt. Ltd.	0	7841	7841
85	SSCN PVT LTD	0	7780	7780
86	AT Broadband Pvt. Ltd.	0	7747	7747
87	Mukand Infotel Pvt. Ltd.	7449	0	7449
88	FOXTEL TELECOMMUNICATIONS PVT LTD	7325	0	7325
89	Kappa Internet Services Pvt Ltd.	0	7243	7243
90	Reliance Communications Limited	191	7000	7191
91	Siliguri Internet & Cable TV Pvt. Ltd.	0	6962	6962
92	Prisac Aviation Technologies Pvt. Ltd.	0	6846	6846
93	Deepnetwork Pvt. Ltd.	0	6294	6294
94	CSC e-Governance Services India Ltd.	0	6177	6177
95	WSNS Pvt. Ltd.	0	5936	5936
96	OM-ASHANet Pvt. Ltd.	0	5929	5929
97	Swiftmail Communications Ltd.	98	5708	5806
98	GBPS Networks Pvt. Ltd.	0	5160	5160
99	Pink Broadband Services Pvt. Ltd.	2485	2485	4970
100	Geocity Network Solutions Pvt. Ltd.	0	4961	4961
101	SONALI INTERNET SERVICES PVT LTD	0	4857	4857
102	Multinet (Udaipur) Pvt. Ltd.	0	4843	4843
103	IAXN Telecom Pvt. Ltd.	0	4766	4766
104	Skymax Broadband Services Pvt. Ltd.	0	4758	4758
105	Airnetz Broadband Services Pvt. Ltd.	1173	3088	4261
106	Dsouza Infotainment Pvt. Ltd.	0	4230	4230
107	City Broadband Network Pvt. Ltd.	2055	2120	4175
108	Bittel Telecom Pvt.Ltd	0	4116	4116
109	S.S.Netcom Pvt Ltd	0	4111	4111
110	GETWAY BROADBAND PVT LTD	0	4040	4040
111	Blazenet Ltd.	0	4017	4017
112	SUPER SONIC BROADBAND PVT LTD	0	3915	3915
113	Symbois Creations Pvt. Ltd.	0	3911	3911
114	Five Net Service Provider Pvt. Ltd.	0	3848	3848
115	Shine Communications Pvt. Ltd.	0	3815	3815
116	INET FIBER INDIA PVT LTD	0	3791	3791
117	Swiftnet Broadband Pvt Ltd	0	3512	3512
118	First Mile Digital Private Limited	0	3408	3408
119	Ani Broadband Service Pvt. Ltd.	3229	0	3229
120	Rainbow Internet teleservices Pvt Ltd	16	3184	3200
121	Southern Online Bio Technologies Ltd.	0	3063	3063
122	WOW SOLUTIONS & SYSTEM PVT LTD	0	3017	3017
123	Kumar Cable Digital Network Pvt. Ltd.	0	2984	2984
124	CANDOR INFOSOLUTION PVT LTD	2970	0	2970

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
125	VRD Web Services Private Limited	0	2914	2914
126	Airgenie Communications Pvt. Ltd.	0	2877	2877
127	CHANNEL III INTERNET PVT LTD	0	2820	2820
128	CLASSIC INTERNET AND CABLE SERVICES PVT LTD	2709	0	2709
129	NETVISION AWADH NETWORKS PVT LTD	0	2709	2709
130	ADRI INFOCOM PVT. LTD.	0	2702	2702
131	AS Broadband Pvt Ltd	0	2700	2700
132	TGN NETWORKS PVT LTD	0	2679	2679
133	Deenet Services Pvt Ltd	0	2619	2619
134	TRANSMEDIA TECHNOLOGIES (AP) PVT LTD	0	2616	2616
135	NISS INTERNET SERVICES PVT. LTD.	0	2535	2535
136	Spacenet Internet Services Pvt Ltd	0	2501	2501
137	Chandra Net Pvt. Limited	0	2435	2435
138	Antarjal IT Communication Pvt. Ltd.	0	2401	2401
139	Fiberzone Communications Pvt. Ltd.	0	2400	2400
140	Country Online Services Pvt. Ltd.	1185	1185	2370
141	E I DOT Com Pvt. Ltd.	0	2347	2347
142	Jetspot Networks Pvt. Ltd.	0	2305	2305
143	City Online AP Pvt. Ltd.	0	2242	2242
144	Wnet Telecom Private Limited	0	2241	2241
145	STN Infotech Pvt. Ltd	0	2140	2140
146	Blu Ultraband Internet Services Private Limited	0	2111	2111
147	Smart Net India Pvt Ltd	0	2074	2074
148	Vision Smartlink Networking Pvt. Ltd.	0	2048	2048
149	Limerick Technologies Pvt Ltd	0	2034	2034
150	Sphier Infotech Pvt. Ltd.	0	2021	2021
151	Speed Online.net Pvt. Ltd.	0	1983	1983
152	SMARTLINK SOLUTIONS PVT. LTD.	0	1965	1965
153	delDSL Internet Pvt Ltd	0	1902	1902
154	GALAXYNET CONNECTIONS PVT LTD	0	1900	1900
155	Elyzium Technologies Pvt. Ltd.	0	1853	1853
156	HIGHTEC NETWORK SOLUTIONS (OPC) PRIVATE LIMITED	0	1812	1812
157	Capture Network Systems Pvt. Ltd.	288	1517	1805
158	Exnet Broadband Pvt. Ltd.	0	1780	1780
159	DNS SKYLINK PVT. LTD.	0	1728	1728
160	Assistive networks & technologie Pvt Ltd	0	1701	1701
161	Lotus Broadband Pvt Ltd	0	1699	1699
162	Real Wire Express Network Pvt. Ltd.	0	1650	1650
163	Venessa Internet Pvt. Ltd.	0	1650	1650
164	Southnet Broadband Pvt. Ltd.	0	1609	1609
165	SCUD COMMUNICATION PVT LTD	0	1607	1607

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
166	Net Access Internet India Private Limited	0	1594	1594
167	Nettlinx Ltd.	0	1591	1591
168	F/X Wireless Technology Services Pvt. Ltd.	0	1577	1577
169	Lbs Infoway India Pvt Ltd	0	1550	1550
170	Speednet Unique Network Pvt. Ltd.	0	1506	1506
171	Karunay Internet Private Limited	0	1501	1501
172	Shaildhar Telecom Services Pvt. Ltd.	0	1475	1475
173	Gloiosa Infotel IT Services Pvt Ltd.	723	723	1446
174	Click4Net Internet Services Private Limited	0	1438	1438
175	Netfirre Communications Pvt. Ltd.	0	1408	1408
176	Bakcom Networks India Pvt Ltd	0	1398	1398
177	Wi-Link Network Pvt. Ltd	614	737	1351
178	SS Fiber Net Optical Communication Pvt. Ltd.	0	1347	1347
179	GIGACAST NETWORK PVT LTD	0	1344	1344
180	CJ Online Pvt. Ltd.	0	1332	1332
181	NGC Broadband Pvt. Ltd.	1296	0	1296
182	Skyline Infonet Pvt. Ltd.	0	1292	1292
183	JB Jain Broadband Solutions Private Limited.	0	1285	1285
184	Sifi Online Pvt. Ltd.	0	1258	1258
185	MAKS COMMUNICATIONS PVT.LTD.	0	1248	1248
186	UNITED STARS NETWORK PRIVATE LIMITED	0	1221	1221
187	Skynet Datacom Pvt. Ltd.	0	1217	1217
188	DA Smartzone Pvt Ltd	0	1214	1214
189	Shrisai Shavenk Technologies Pvt. Ltd.	0	1176	1176
190	RTEL INTERNET SERVICES PVT LTD	0	1149	1149
191	Aeroway Networks Pvt Ltd.	0	1116	1116
192	Amar Broadband Private Limited	0	1108	1108
193	ACN Fiber Pvt. Ltd.	0	1100	1100
194	Speedmaxx Digital Networks Pvt Ltd	0	1069	1069
195	Rida Communication Pvt. Ltd.	0	1055	1055
196	SEFARO NETWORKS PRIVATE LTD	0	1055	1055
197	RK Broadband Hifi Services Pvt Ltd	0	1048	1048
198	Flashcom Network Pvt Ltd	0	1035	1035
199	Correl IT Services Pvt. Ltd.	1018	0	1018
200	Mega Hertz Network Solutions Pvt Ltd	0	1013	1013
201	MORE WIFI INTERNET PRIVATE LIMITED	0	998	998
202	Al-Mairah Braodband Pvt. Ltd.	0	980	980
203	HOSTAXIS NETWORKS PVT LTD	0	974	974
204	AHM Digital Network Pvt Ltd	0	970	970
205	Skylink Fibernet Pvt. Ltd.	0	953	953
206	FASTNET COMMUNICATION PVT LTD	191	740	931
207	Grace Teleinfra Pvt Ltd	0	927	927
208	TOUCHNET BROADBAND SERVICES PVT LTD	0	925	925

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
209	Nandini Broadband Pvt Ltd	0	918	918
210	NetMagic Solutions(P) Ltd.	0	916	916
211	Sanchit Infocom Pvt Ltd	0	909	909
212	Uzaina Business India Pvt Ltd	0	900	900
213	ALWAR ONLINE PVT LTD	12	868	880
214	Ficus Telecom Pvt. Ltd.	0	873	873
215	SKY ONLINE TECHNOSYSTEM PVT LTD	0	863	863
216	BLITS GLOBAL TECHNOLOGIES PVT LTD	0	848	848
217	DREAMLINK TECHNOLOGIES PVT LTD	0	848	848
218	Datawave IT solutions Pvt. Ltd.	0	840	840
219	Orange Waves Networks Pvt. Ltd.	0	821	821
220	Darer Internet Services Pvt. Ltd.	0	819	819
221	KGS NETWORKS PRIVATE LIMITED	0	804	804
222	Telosy Telecom Pvt. Ltd.	801	0	801
223	REVOLUTION BROADBAND PVT LTD	0	799	799
224	Rajesh Patel Net Services Pvt. Ltd.	3	773	776
225	Touch Net India Pvt. Ltd.	0	766	766
226	Jiffy Cable & Datacom Pvt. Ltd.	0	763	763
227	Packenet Solutions Pvt. Ltd.	0	761	761
228	Fttx Broadband Pvt. Ltd.	0	756	756
229	Neonet Communications Pvt. Ltd.	0	749	749
230	CNS INFOTEL SERVICES PVT LTD	0	733	733
231	Daksh Broadband Services Pvt Ltd	0	726	726
232	Spirenet Digital Communications Pvt. Ltd.	0	720	720
233	CLOUDNET COMMUNICATIONS PVT LTD	0	714	714
234	CATLA IT&ENGG. CO. PVT LTD.	0	710	710
235	Bass Networks Pvt Ltd	0	709	709
236	Unitel Media Pvt Ltd	0	705	705
237	Kosmic Broadband Pvt Ltd	704	0	704
238	Smart Wi5 Pvt. Ltd.	0	686	686
239	VENKATA SAI INTERNET PRIVATE LIMITED	0	686	686
240	Aerocast Networks Pvt Ltd.	0	683	683
241	Skyonline Technosystem Pvt. Ltd.	0	679	679
242	Bandwidth Infinity Pvt Ltd	0	676	676
243	HPS DIGITAL BROADBAND PVT LTD	0	672	672
244	Craze IT Solutions Pvt Ltd	0	667	667
245	Shree Manoranjan Broadband Pvt. Ltd.	0	661	661
246	DATAMAX TECHNOLOGY PVT LTD	0	631	631
247	iAIRONET COMMUNICATION PVT LTD	0	631	631
248	VIVA Communications Pvt Ltd	0	630	630
249	Primenet Global Ltd.	0	616	616
250	Fastx Broadband Private Limited	0	609	609
251	ANUSHREE DIGITAL NETWORK PVT LTD	0	603	603

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
252	SVD DIGITAL NETWORKS PVT LTD	0	603	603
253	Sarva Air World Network Pvt Ltd	30	567	597
254	Reticule Infotech Pvt. Ltd.	0	595	595
255	Power Grid Corporation of India Ltd.	0	594	594
256	WEBRIDERS INTERNET PVT LTD	0	594	594
257	Acegen Broadband Pvt. Ltd	0	581	581
258	Alphanet Broadband Pvt Ltd	0	571	571
259	Anish Infoline Pvt. Ltd.	0	570	570
260	Gazillio Technologies Pvt. Ltd.	0	557	557
261	Amityhua Electronics Pvt. Ltd.	0	556	556
262	Alegra Communication Pvt Ltd	0	552	552
263	Digital2Virtual ISP Pvt. Ltd.	0	549	549
264	Panav Network and Communications Private Limited	0	548	548
265	Software Technology Parks of India	0	542	542
266	Digital Telco Network India Pvt. Ltd.	0	541	541
267	Gleam Worldwide Services Pvt. Ltd.	0	533	533
268	JBN Online Private Limited.	0	533	533
269	VARESHA AIR WORLD NETWORKS PVT LTD	11	494	505
270	Tamana Winet Pvt. Ltd.	0	494	494
271	Briskcom Infoway Pvt. Ltd.	0	493	493
272	Hughes Communications India Ltd.	52	440	492
273	Imperium Digital Network Pvt. Ltd.	0	487	487
274	Voxterria Innovtions Pvt Ltd	231	256	487
275	Allied IT Infrastructures & Services Pvt. Ltd.	0	476	476
276	BPS Communication & Services Pvt.Ltd.	0	475	475
277	Global India Tele Infra Pvt. Ltd.	0	472	472
278	Shineplus Networks Pvt Ltd	0	471	471
279	Goodwill Smartlink Pvt. Ltd.	0	470	470
280	Quick Link Broadband And Services Pvt. Ltd	0	470	470
281	ARJUN BROADBAND PRIVATE LIMITED	0	453	453
282	Stackbit Internet Services Pvt. Ltd.	0	447	447
283	Varsha Datacom Services Pvt Ltd	0	444	444
284	NC BROADBAND SERVICES PRIVATE LIMITED	0	436	436
285	Rocketwire Internet Solutions Pvt. Ltd.	0	433	433
286	Neton Icom Pvt. Ltd.	25	406	431
287	MORADABAD INTERNET SERVICES PVT LTD	0	425	425
288	Sysnet Broadband Services Pvt. Ltd.	0	417	417
289	Spider Broadband and Cable Pvt Ltd	0	398	398
290	Netsat Communications Pvt Ltd	0	395	395
291	Citylink Broadband Services Pvt. Ltd.	0	389	389
292	ELECON INFOTMATION TECHNOLOGY LTD	0	388	388
293	Pulse Telesystems Pvt. Ltd.	0	377	377

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
294	Bhiwani Communications Pvt. Ltd.	0	375	375
295	WINDSOR INTERNET PVT LTD	0	374	374
296	Vardaan Netservices Pvt. Ltd.	0	365	365
297	Raycom Fibers Pvt Ltd	0	362	362
298	STN Communication & Advertising Pvt Ltd.	1	357	358
299	Sify Technologies Ltd.	187	170	357
300	VISPUTES INTERNET PRIVATE LIMITED	0	340	340
301	Mall and Mall Digiworld Pvt. Ltd.	0	338	338
302	Oistel Telecom Pvt. Ltd.	166	166	332
303	Sai Akshay Internet Services Pvt Ltd.	0	332	332
304	WAVETREE NETWORKS PVT LTD	0	326	326
305	Twincity Communication Private Limited	0	325	325
306	KSK Broadband Pvt Ltd	0	306	306
307	S.V.C CABLE NET PRIVATE LIMITED	305	0	305
308	HELM CONSULTANTS PVT LTD	297	0	297
309	Sense Connect IT Pvt. Ltd.	0	296	296
310	SHEEN TELECOM CONSULTANTS PVT LTD	0	292	292
311	Antariksh Broadband & Wireless Solutions Pvt Ltd	291	0	291
312	POWERNET TELECOM PVT LTD	145	145	290
313	Dhanam Internet Services India Pvt. Ltd.	0	289	289
314	Nanjil Internet Services Pvt. Ltd.	0	280	280
315	Light Air Transmission Pvt. Ltd.	138	138	276
316	KKM Broadband Internet Pvt Ltd	0	272	272
317	A-Net Communication India Pvt.Ltd.	146	123	269
318	RUSH ME BROADBAND PRIVATE LIMITED	0	269	269
319	DEVELOPMENT LOGICS SOLUTIONS PVT LTD	0	267	267
320	Kataria Net Solutions Pvt. Ltd.	0	266	266
321	SATH TECHNOLOGIES PVT LTD	132	132	264
322	Singh Internet Services Pvt. Ltd.	0	260	260
323	Suncity Broadband Pvt Ltd.	0	260	260
324	Cityline Networks Pvt Ltd	0	251	251
325	SmartLink Broadband Services	0	251	251
326	Data Ingenious Global Ltd	250	0	250
327	Earthlink Broadband Pvt Ltd	0	250	250
328	Texas Connect Private Limited	0	250	250
329	BREITBAND TECHNOLOGIES PRIVATE LIMITED	0	249	249
330	AUSPICE INFRATAL PVT LTD	0	247	247
331	Verizon Communications India Pvt. Ltd.	0	247	247
332	Faconet Internet Pvt Ltd	0	245	245
333	SNT Broadband Pvt. Ltd.	0	245	245
334	Way2Air Net Solution Pvt Ltd	0	242	242

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
335	BSL Technologies Pvt. Ltd.	0	237	237
336	Oasis Cable Pvt Ltd.	235	0	235
337	PROLINE DATATECH SERVICVES PVT LTD	0	234	234
338	Khetan Cable Network (P) Ltd	0	228	228
339	Barani Data Solutions Private Limited	227	0	227
340	Magnuss Broadband Service Pvt. Ltd.	0	226	226
341	VMO BROADBAND PVT LTD	225	0	225
342	ACEBROWSE PVT LTD	0	219	219
343	CIT SOLUTIONS PVT. LTD.	0	217	217
344	HIPOINT CONNECT PRIVATE LIMITED	0	217	217
345	Hipath Netcom Services Pvt. Ltd.	0	211	211
346	Veer Point Pvt. Ltd.	0	211	211
347	Microsense Pvt. Ltd.	0	209	209
348	Saibaba Broadband Pvt. Ltd.	0	206	206
349	Ishani Broadband Pvt Ltd	0	200	200
350	Vrednus Network Pvt. Ltd.	0	199	199
351	VIVEK NETWORK PRIVATE LIMITED	0	198	198
352	Achiever Communication and Services Pvt. Ltd.	0	191	191
353	Netrexo Communications Pvt. Ltd.	0	191	191
354	AirFiber IT Solutions Pvt. Ltd	93	93	186
355	NEXTGEN COMPUSOFT PVT LTD	0	186	186
356	Wi5 Internet Services P Limited	0	173	173
357	White Stallion Networks Pvt. Ltd.	0	169	169
358	Optisky Fibernet Pvt. Ltd.	0	168	168
359	PMG NETWORKD PVT LTD	0	155	155
360	Japra Tele Link Pvt. Ltd.	0	150	150
361	Malang Solutions Pvt. Ltd.	0	142	142
362	Shree Siddhivinayak Cable and Internet Service Provider Pvt. Ltd.	140	0	140
363	Shreepad Communication Pvt. Ltd.	0	140	140
364	AIRMAX INTERNET PVT LTD	138	0	138
365	S A INTERNET SOLUTION PVT LTD	0	136	136
366	AT&T Global Network Services India Private Limited	0	134	134
367	MLC INTERNET PVT LTD	0	126	126
368	Mediatech Communication Pvt. Ltd.	0	125	125
369	Micronova Telesystems Pvt Ltd	0	120	120
370	Shri Vinayagaa Internet Pvt Ltd	0	120	120
371	Sri Ram Broadband Services Pvt. Ltd.	0	119	119
372	V NET NETWORKS PVT. LTD	0	118	118
373	Zoram Infonet Pvt Ltd	0	117	117
374	TRIPLE LINK PVT LTD	0	115	115
375	M-TEL Networks (P) Ltd	0	111	111

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
376	Pronoc Technologies Pvt. Ltd.	0	107	107
377	Sharktel Infocom Pvt. Ltd.	0	106	106
378	Telstra Telecommunications Pvt. Ltd.	0	105	105
379	NR DATA SERVICE PVT LTD	0	102	102
380	ROYAL WIRELESS SERVICES PVT LTD	0	102	102
381	Invensys Networks Pvt.Ltd.	0	101	101
382	Satpar Infotech Pvt Ltd	0	101	101
383	FLIX BROADBAND SERVICES PRIVATE LIMITED	0	99	99
384	Marutham Networks Pvt. Ltd.	0	98	98
385	Cheetah Networks Pvt. Ltd.	0	94	94
386	Omkar Net Services Pvt. Ltd.	0	94	94
387	SHRI RAM BRAOADBAND SERVICES PVT LTD	0	92	92
388	Gorakhpur Net Services Pvt. Ltd.	0	90	90
389	NT CYBRONET PRIVATE LIMITED	0	90	90
390	INFINITY WIRELESS SERVICES PVT. LTD.	0	89	89
391	Airtechzone Services India Pvt Ltd	85	0	85
392	Wifi Inter-connect Pvt. Ltd.	0	85	85
393	Wireline Solution(India) Pvt. Ltd.	0	85	85
394	ARP INFONET PVT. LTD.	0	84	84
395	Ezeenet Internet Solutions Pvt. Ltd.	0	84	84
396	Dream Plus Multi Services Pvt. Ltd.	0	82	82
397	G-Max IT Services Pvt. Ltd.	0	78	78
398	Rae Internet Service Provider Pvt Ltd	0	78	78
399	YNET TELECOM SOLUTIONS PVT LTD	0	77	77
400	Vidarbha Wi-Fi & Network Services Pvt. Ltd.	76	0	76
401	Durga Broadband Pvt. Ltd.	0	75	75
402	NETWIRE INTERNET SOLUTIONS PVT. LTD.	0	74	74
403	CERALINK COMMUNICATION PVT LTD	0	70	70
404	Clicknet Communication Pvt Ltd	69	0	69
405	Highnet Broadband & Technologies Pvt. Ltd.	0	66	66
406	Divine Broadband Services Pvt Ltd	0	65	65
407	JAI MATA DI TELECTRONIX PVT LTD	0	64	64
408	GigHz IT Solutions Pvt Ltd	0	62	62
409	SKYNETZONE WIFI SERVICES PVT LTD	0	59	59
410	ASVISH TECHNOLOGY PARTNER (OPC) PVT LTD	0	58	58
411	Delix Net Solutions Pvt Ltd	0	57	57
412	Ekdant Communication Pvt Ltd	0	56	56
413	Infiber Broadnet Pvt. Ltd.	0	56	56
414	ERNET India	30	25	55
415	Sanavi Infotech (OPC) Pvt. Ltd.	0	55	55
416	City Broadband Pvt. Ltd.	0	52	52

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
417	Peer Networks Private Limited	0	50	50
418	SAMVAD TELECOM PVT LTD	47	0	47
419	LINKUNIVERSE COMMUNICATION PRIVATE LIMITED	0	46	46
420	AEROLINK BROADBAND PRIVATE LIMITED	0	44	44
421	Mesh Infranet Pvt Ltd	0	43	43
422	YOTTA NETWORK SERVICES PRIVATE LIMITED	0	41	41
423	Gigalo Communication Pvt. Ltd.	40	0	40
424	ANODIC TELENETWORK PRIVATE LIMITED	39	0	39
425	Edge Telecommunications Pvt. Ltd.	0	39	39
426	Pintwire Infomatics Pvt. Ltd.	0	35	35
427	RAJNET CARE PRIVATE LIMITED	0	34	34
428	Navariya Satellite Services Pvt.Ltd.	33	0	33
429	Promptnet Broadband Pvt. Ltd.	0	32	32
430	Orange Business Services India Network Pvt. Ltd.	0	31	31
431	Speednet Infomedia Pvt. Ltd	0	31	31
432	Dreamnet Pvt.Ltd.	0	30	30
433	GURU NETCOMM PVT LTD	0	30	30
434	Praveen Telecom Pvt. Ltd.	0	30	30
435	WE INTERNET LIMITED	0	27	27
436	Spacetrade Internet Pvt Ltd	0	26	26
437	Airmesh Communications Limited	0	25	25
438	DRONAGIRI INFOTECH PVT LTD	0	25	25
439	Pacific Internet India Pvt. Ltd.	0	23	23
440	FASTHOOK NETWORKS PVT LTD	0	18	18
441	Sun Broadband and Data Services PVT. LTD.	0	18	18
442	Hienet Internet Services Pvt Ltd	0	15	15
443	Microtel Internet Network Pvt. Ltd.	0	15	15
444	Alien DNS Private Limited.	0	14	14
445	AMBITION NETWORK SOLUTIONS INDIA PRIVATE LIMITED	0	9	9
446	UBERCORE DATA LABS PVT LTD	0	9	9
447	Airlink Broadband Pvt Ltd	0	8	8
448	Rajdhani Telecom Pvt. Ltd.	2	6	8
449	Tatanet Services Ltd	0	8	8
450	Angrow Netcomm Pvt. Ltd.	7	0	7
451	CIFY IT Services Pvt. Ltd.	0	7	7
452	Clear Beam Communication Pvt Ltd	7	0	7
453	Essel Shyam Communications Limited	0	7	7
454	Financial Technologies Communications Ltd.	0	7	7
455	Giganet Digital Net Services Private Limited	0	6	6
456	Uttradoon Networks Pvt. Ltd.	2	4	6

S.No.	Name of the Service Provider:	Narrowband	Broadband	Total
457	A TO Z INFOLINK PVT.LTD.	0	5	5
458	Mastek Infosystems OPC Pvt. Ltd.	0	5	5
459	Cloudcast Digital Ltd	0	4	4
460	Aristo Telenet Pvt Ltd	0	3	3
461	NR IT Service Pvt Ltd	0	3	3
462	Critel Technologies Pvt. Ltd.	0	2	2
463	ESP Fibernet Pvt. Ltd.	0	2	2
464	Prompt infracom Pvt Ltd	0	2	2
465	Sabse Internet Services Provider Pvt Ltd	0	2	2
466	Hybrid Hash Pvt. Ltd.	1	0	1
467	Kartik Network Pvt. Ltd.	0	1	1
468	Sahiba Silk Mills Pvt. Ltd.	0	1	1
	Total	40930545	792776298	833706843
	Total (in million)	40.931	792.776	833.707

Annexure 1.6: List of Service Providers which reported IP Telephony Minutes for Q.E. Jun-21

S. No.	Name of Service Providers reported IP Telephony Minutes as on 30th June 2021
1	Alliance Broadband Services Pvt. Ltd.
2	Asianet Satellite Communications Ltd.
3	Blazenet Ltd.
4	City Online Services Ltd.
5	Citycom Networks Pvt. Ltd.
6	delDSL Internet Pvt Ltd
7	Pulse Telesystems Pvt. Ltd.
8	Sify Technologies Ltd.
9	Tata Communications Limited
10	Trikon Electronics Pvt. Ltd.
11	World Phone Internet Services Pvt. Ltd.
12	You Broadband & Cable India Pvt. Ltd.
13	Warmconnect Internet Services Pvt. Ltd.

Annexure 1.7: Service Area wise PMRTS subscriber Base

S.No.	DOT Licensed Service Area	Area Served	Service Provider	Subscriber Base	
				31.03.2021	30.06.2021
1	Andhra Pradesh	Hyderabad	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2,699	2,604
			QuickCall	1,021	1,031
		Visakhapatnam	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4,137	4,118
Total				7,857	7,753
2	Delhi	Delhi	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7,440	7,295
			Procall Ltd.	2,999	3,012
		Total			
3	Gujarat	Ahmedabad	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,096	985
		Amrela	Inative Networks Pvt. Ltd.	-	-
		Bharuch	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,498	1,498
			Inative Networks Pvt. Ltd.	-	-
		Dahej	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,241	1,298
		Jamnagar	Inative Networks Pvt. Ltd.	360	360
		Kutch	Inative Networks Pvt. Ltd.	205	205
		Surat	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,644	1,631
			Inative Networks Pvt. Ltd.	895	895
		Vadodara	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,844	1,954
Inative Networks Pvt. Ltd.	360		360		
Total				9,143	9,186
4	Karnataka	Bangalore	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7,047	6,933
			QuickCall	528	512
		Total			
5	Kerala	Ernakulam	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,025	1,039
		Kerala	Wiwanet Solutions Pvt. Ltd	751	777
		Total			
6	Kolkata	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,763	1,766
7	Madhya Pradesh	Indore	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,651	1,593
8	Maharashtra	Pune	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2,004	1,963
			Smartalk Pvt Ltd.	674	690
		Total			
9	Mumbai	Mumbai	Airtalk Solutions & Services Pvt. Ltd.	451	451
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	9,527	9,442
			Bhilwara Telenet Services Pvt.Ltd.	871	866
			Smartalk Pvt Ltd.	828	843
			Total		
10	Rajasthan	Jaipur	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	984	883
			Procall Ltd.	396	416
		Total			
11	Tamil Nadu	Chennai	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7,745	7,645
			QuickCall	491	498
		Total			
Grand Total				64,175	63,563

**Annexure 2.1: Wireless Revenue Service - Service Area wise Statistics for
QE June, 2021**

Key parameters for service areas of category-A

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
AP	95.30%	124	16	401	398	799
Gujarat	95.12%	109	17	359	313	673
Karnataka	93.32%	112	19	398	386	784
MH	95.51%	115	16	362	350	711
TN (incl. Chennai)	93.29%	122	14	371	370	741

Key parameters for service areas of category-B

Service Area	% of pre-paid in total Subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Haryana	96.75%	84	9	366	356	722
Kerala	97.32%	120	8	296	298	595
MP	97.56%	103	17	403	403	806
Punjab	95.99%	110	9	372	355	727
Rajasthan	97.39%	102	16	384	391	775
UP(E)	97.76%	88	12	452	481	933
UP(W)	97.66%	97	11	407	412	819
WB	98.90%	104	17	433	447	880

Key parameters for service areas of category-C

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Assam	97.89%	112	29	420	439	859
Bihar	98.44%	99	12	522	567	1089
HP	98.45%	104	10	356	350	706
J&K	50.91%	121	26	569	532	1100
NE	98.36%	128	32	400	404	804
Odisha	98.19%	102	18	459	479	938

Key parameters for service areas of category-Metro

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	94.50%	76	13	382	372	754
Delhi	81.32%	74	19	466	414	880
Mumbai	80.05%	92	12	397	344	741

Annexure 4.1: Performance of QoS Parameters for Cellular Mobile Service

Name of Service Area	Name of Service Provider	Network Related Parameters											Customer Service Quality Parameters									
		Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI			Metering and billing				Response time to the customer for assistance		Termination / closure of service			
		BS Accumulated down-time (not available for service) (%age)	Worst affected BSs due to down-time (%age)	Call Set-up Success Rate and Session Establishment Success Rate for Circuit Switched Voice or VoLTE as applicable (within licensee's own network)	SDCCH / Paging Channel Congestion/ RRC Congestion (%age)	TCH, RAB and E-RAB Congestion (%age)	Network QoS DCR Spatial Distribution Measure [Network_QSD (90,90)]	Network QoS DCR Temporal Distribution Measure [Network_QTD (97,90)]	Connections with good voice quality, Circuit Switched Voice Quality and VoLTE quality	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	Down Link (DL) Packet Drop Rate or DL-PDR	Up Link (UL) Packet Drop Rate or UL-PDR	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging complaints		Period of applying credit/waiver/adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures	
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 2%	≤ 2%	≤ 0.1%	≤ 0.1%	98% within 4 weeks	100% within 6 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 95%	100% within 7 days	100% within 60 days	
The achievement of benchmark against each parameter is to be averaged over a period of one quarter for 2G, 3G and 4G VoLTE Services (combined) as per the measurement methodology explained in Explanatory Memorandum to regulations																						
Andhra Pradesh	Airtel	0.19	0.97	99.14	0.14	0.33	1.07	1.57	97.05	0	0.18	0.16	0.00	0.00	100.00	100.00	100.00	100.00	94.27	95.14	100.00	100.00
	BSNL	1.37	1.91	98.33	0.81	0.95	1.61	1.77	98.81	0	0.13	0.19	0.00	0.00	100.00	100.00	100.00	100.00	99.63	99.09	100.00	100.00
	RJIL	0.07	0.13	99.65	0.00	0.00	0.15	0.29	99.97	0	0.00	0.07	0.00	0.00	100.00	100.00	100.00	100.00	97.69	99.61	100.00	100.00
	VIL	0.15	0.82	99.19	0.33	0.39	1.91	2.63	99.31	0	0.01	0.12	0.00	0.00	100.00	100.00	100.00	100.00	99.63	99.09	100.00	100.00
Assam	Airtel	0.36	1.33	98.47	0.24	0.46	1.92	2.01	96.70	0	0.22	0.22	0.00	0.00	100.00	100.00	100.00	100.00	93.00	93.00	100.00	100.00
	BSNL	1.77	1.27	98.43	0.84	1.81	1.78	2.38	98.31	0	0.00	0.00	0.01	0.00	100.00	100.00	100.00	100.00	96.20	96.70	100.00	100.00
	RJIL	0.40	1.72	99.64	0.00	0.00	0.72	0.88	99.92	0	0.01	0.15	0.00	0.00	100.00	100.00	100.00	100.00	98.47	99.77	100.00	100.00
	VIL	0.17	1.91	98.89	0.42	1.07	1.98	2.89	98.46	0	0.18	0.15	0.00	0.00	100.00	100.00	100.00	100.00	97.79	99.99	100.00	100.00
Bihar	Airtel	0.25	0.33	97.86	0.37	1.13	1.62	1.74	97.89	0	0.10	0.33	0.00	0.00	100.00	100.00	100.00	100.00	97.00	97.00	100.00	100.00
	BSNL	1.90	1.86	96.13	0.31	0.35	1.78	2.31	98.30	0	0.00	0.00	0.00	0.00	100.00	100.00	100.00	100.00	99.30	96.73	100.00	100.00
	RJIL	0.28	1.23	99.39	0.00	0.00	0.32	0.42	99.95	0	0.00	0.10	0.00	0.00	100.00	100.00	100.00	100.00	98.37	99.60	100.00	100.00
	VIL	0.39	1.53	99.50	0.30	0.19	1.56	2.26	99.09	0	0.01	0.02	0.00	0.00	100.00	100.00	100.00	100.00	97.72	99.96	100.00	100.00
Delhi	Airtel	0.12	0.00	99.17	0.24	0.29	1.52	2.05	95.32	0	0.88	0.16	0.00	0.00	100.00	100.00	100.00	100.00	97.00	97.00	100.00	100.00
	RJIL	0.15	0.48	99.59	0.00	0.00	0.04	0.16	99.97	0	0.00	0.05	0.00	0.00	100.00	100.00	100.00	100.00	98.47	99.55	100.00	100.00
	MTNL	0.05	0.34	97.65	0.06	0.88	1.29	1.47	98.24	0	NA	NA	0.00	0.00	100.00	100.00	100.00	100.00	99.97	99.65	100.00	100.00
	VIL	0.11	0.16	99.89	0.14	0.10	0.99	1.38	99.73	0	0.20	0.30	0.00	0.00	100.00	100.00	100.00	100.00	99.38	100.00	100.00	100.00
Gujarat	Airtel	0.12	0.36	99.54	0.18	0.23	1.32	1.83	95.54	0	0.10	0.18	0.00	0.00	100.00	100.00	100.00	100.00	95.00	95.00	100.00	100.00
	BSNL	1.53	1.19	97.95	0.19	0.66	1.54	2.44	98.46	0	0.07	0.15	0.00	0.00	100.00	100.00	100.00	100.00	99.87	96.55	100.00	100.00
	RJIL	0.18	1.01	99.58	0.00	0.00	0.13	0.30	99.96	0	0.00	0.08	0.00	0.00	100.00	100.00	100.00	100.00	98.84	99.72	100.00	100.00
	VIL	0.17	0.67	99.38	0.32	0.47	1.45	2.22	98.71	0	0.13	0.14	0.00	0.00	100.00	100.00	100.00	100.00	96.58	100.00	100.00	100.00
Haryana	Airtel	0.12	0.60	99.82	0.11	0.14	0.90	1.32	97.38	0	0.14	0.24	0.00	0.00	100.00	100.00	100.00	100.00	96.00	96.00	100.00	100.00
	BSNL	0.65	0.46	98.71	0.33	0.52	1.57	1.72	97.19	0	0.16	0.37	0.02	0.00	98.65	100.00	100.00	100.00	87.00	83.60	100.00	100.00
	RJIL	0.20	1.05	99.64	0.00	0.00	0.10	0.25	99.98	0	0.00	0.05	0.00	0.00	100.00	100.00	100.00	100.00	98.05	99.73	100.00	100.00
	VIL	0.61	0.09	99.46	0.41	0.51	1.47	2.13	98.69	0	0.11	0.07	0.00	0.00	100.00	100.00	100.00	100.00	98.84	99.97	99.81	100.00
Himachal Pradesh	Airtel	0.13	0.54	99.55	0.09	0.08	1.20	1.67	95.20	0	0.16	0.14	0.00	0.00	100.00	100.00	100.00	100.00	99.00	99.00	100.00	100.00
	BSNL	1.99	1.00	98.65	0.48	0.65	1.90	2.05	97.85	0	0.00	0.00	0.01	0.00	100.00	100.00	100.00	100.00	98.55	96.71	100.00	100.00
	RJIL	0.17	0.74	99.67	0.00	0.00	0.14	0.24	99.98	0	0.00	0.05	0.00	0.00	100.00	100.00	100.00	100.00	97.95	99.76	100.00	100.00
	VIL	0.14	0.27	99.69	0.03	0.13	1.94	2.94	98.56	0	0.26	0.20	0.00	0.00	100.00	100.00	100.00	100.00	99.60	99.83	100.00	100.00
J&K	Airtel	0.11	0.18	98.92	0.10	0.09	1.39	2.56	95.11	0	0.22	0.20	0.00	0.00	100.00	100.00	100.00	100.00	95.00	96.00	100.00	100.00
	BSNL	1.90	1.75	97.58	0.80	1.13	1.99	2.47	96.46	0	0.02	0.10	0.00	0.00	100.00	100.00	100.00	100.00	85.00	82.35	100.00	100.00
	RJIL	0.13	0.50	99.69	0.00	0.00	0.22	0.32	99.97	0	0.00	0.07	0.00	0.00	100.00	100.00	100.00	100.00	97.68	99.73	100.00	100.00
	VIL	0.22	0.99	99.60	0.15	0.19	2.09	3.85	98.75	0	0.22	0.16	0.00	0.00	100.00	100.00	100.00	100.00	98.88	99.98	100.00	100.00

Annexure 4.2 : Performance of QoS Parameters for Basic (Wire-line) Service

Sl. No.	Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/ 100 Subs./ month)	Fault Repair				Rent Rebate	Mean Time to Repair (MTTR)	POI	Metering and Billing					Response time to the customer for Assistance		Termination / Closure of service				
				% of faults repaired by next working day	% of faults repaired within 5 days	% of faults repaired by next working day	% of faults repaired within 7 days				Point of Interconnection (POI) Congestion (No. of Metering and Billing - post paid	Metering and billing credibility - pre paid	Resolution of billing/ charging/ validity complaints	Period of applying credit/ waiver/ adjustment to	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to	%age requests for Termination / Closure of service complied	Time taken for refund of deposits after closures				
																			Benchmarks			
				≤7	For urban areas by next workin	For urban areas: ≥ 100%	For rural and hilly areas:				For rural and hilly areas:	≤ 10 Hrs	≤0.5%	≤0.1%	≤0.1%	98% within 4 weeks	100% within 6 weeks	1 week of resolution of compla	≥95%	≥95%	100% within 7 days	100% within 60 days
1	Andhra Pradesh	Bharti	0.42	85.21%	100.00%	NA	NA	109	4.90	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	96.42%	96.25%	100.00%	100.00%		
2		RJIL	5	97.00%	100.00%	96.00%	100.00%	0	6	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	96.42%	96.25%	100.00%	100.00%		
3		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	3.8	0.00%	0.00%	0.00%	NA	NA	NA	NA	95.96%	99.84%	100.00%	100.00%		
4		TTSL	3.71	82.05%	100.00%	100.00%	100.00%	663	11.12	0.11%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.83%	96.56%	100.00%	99.20%		
5		VIL	0.11	100.00%	100.00%	NA	NA	NA	3.5	NA	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA		
6	Assam	BSNL	3	98.00%	100.00%	80.00%	100.00%	429	4	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	93.63%	98.77%	100.00%	100.00%		
7		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%			
8		VIL	1.57	100.00%	100.00%	NA	NA	NA	5.25	NA	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA		
9	Bihar	BSNL	3	95.00%	100.00%	96.00%	100.00%	570	5	0.00%	0.01%	0.00%	98.00%	100.00%	100.00%	100.00%	96.75%	98.96%	100.00%	100.00%		
10		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	97.22%	99.72%	100.00%	100.00%			
11		TTSL	0.46	90.63%	100.00%	100.00%	100.00%	1	6.10	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
12		VIL	1.32	100.00%	100.00%	NA	NA	NA	2.40	NA	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA		
13	Delhi	Bharti	0.61	91.36%	100.00%	NA	NA	262	4.52	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	91.00%	91.00%	100.00%	100.00%		
14		MTNL	1.89	54.41%	78.61%	NA	NA	3200	51.20	0.00%	0.01%	0.00%	100.00%	100.00%	100.00%	100.00%	99.99%	99.82%	100.00%	100.00%		
15		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	97.75%	100.00%	100.00%	100.00%	100.00%		
16		TTSL	1.70	95.45%	100.00%	100.00%	100.00%	18	4.49	0.26%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	95.73%	96.67%	100.00%	100.00%		
17		VIL	0.22	100.00%	100.00%	NA	NA	NA	3.40	NA	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA		
18	Gujarat	Bharti	0.44	90.84%	100.00%	NA	NA	70	6.37	0.00%	0.04%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	89.00%	89.00%	100.00%	100.00%	
19		BSNL	5	96.00%	100.00%	94.00%	100.00%	76	4	0.00%	0.01%	0.00%	100.00%	100.00%	100.00%	100.00%	92.04%	97.32%	100.00%	100.00%		
20		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	96.72%	98.41%	100.00%	100.00%			
21		TTSL	1.21	86.12%	100.00%	100.00%	100.00%	64	8.99	0.21%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	97.36%	99.30%	100.00%	100.00%		
22		VIL	0.21	100.00%	100.00%	NA	NA	NA	3.59	NA	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA		

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23	Himachal Pradesh	BSNL	6	88.00%	100.00%	93.00%	100.00%	166	7	0.00%	0.02%	0.00%	98.00%	100.00%	100.00%	96.08%	98.62%	100.00%	100.00%	
24		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%	
25		TTSL	0.00	100.00%	100.00%	100.00%	100.00%	100.00%	0	0.00	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
26		VIL	0.00	100.00%	100.00%	NA	NA	NA	NA	0.00	NA	NA	NA	NA	NA	NA	98.00%	100.00%	NA	NA
27	Haryana	Bharti	0.60	89.98%	100.00%	NA	NA	33	4.69	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	93.00%	100.00%	100.00%	
28		BSNL	5	93.00%	100.00%	91.00%	100.00%	194	6	0.00%	0.05%	0.00%	100.00%	100.00%	100.00%	96.90%	98.95%	100.00%	100.00%	
29		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%	
30		TTSL	0.00	100.00%	100.00%	100.00%	100.00%	100.00%	2	0.00	0.00%	0.00%	NA	100.00%	100.00%	100.00%	98.04%	100.00%	100.00%	100.00%
31	Jammu & Kashmir	VIL	4.91	100.00%	100.00%	NA	NA	NA	1.45	NA	NA	NA	NA	NA	NA	98.00%	100.00%	NA	NA	
32		Bharti	0.16	88.51%	100.00%	NA	NA	33	6.21	0.00%	0.01%	NA	100.00%	100.00%	100.00%	100.00%	84.00%	100.00%	100.00%	
33		BSNL	4	98.00%	100.00%	96.00%	100.00%	33	7	0.00%	0.01%	0.00%	98.00%	100.00%	100.00%	95.96%	98.49%	100.00%	100.00%	
34		RJIL	0	100.00%	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	95.83%	100.00%	100.00%	100.00%
35	Kerala	Bharti	1.06	94.51%	100.00%	NA	NA	60	6.87	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	89.00%	100.00%	100.00%	
36		BSNL	4	94.00%	100.00%	91.00%	100.00%	638	7	0.00%	0.02%	0.00%	100.00%	100.00%	100.00%	93.76%	92.87%	100.00%	100.00%	
37		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	100.00%	98.55%	100.00%	100.00%	
38		TTSL	0.04	33.33%	100.00%	100.00%	100.00%	8	45.94	0.00%	0.00%	NA	100.00%	100.00%	100.00%	95.29%	100.00%	100.00%	100.00%	
39	Kolkata	VIL	0.40	100.00%	100.00%	NA	NA	NA	5.42	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	
40		Bharti	0.63	92.72%	100.00%	NA	NA	163	9.06	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	90.00%	100.00%	100.00%	
41		BSNL	6	90.00%	100.00%	NA	NA	928	9	0.00%	0.00%	0.00%	98.00%	100.00%	100.00%	94.57%	99.06%	100.00%	0.00%	
42		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	96.33%	100.00%	100.00%	100.00%	
43	Karnataka	TTSL	1.44	98.77%	100.00%	100.00%	100.00%	0	2.62	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	
44		VIL	0.36	100.00%	100.00%	NA	NA	NA	3.13	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	
45		Bharti	0.51	93.35%	100.00%	NA	NA	571	8.48	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	89.00%	100.00%	100.00%	
46		BSNL	4	89.00%	100.00%	98.00%	100.00%	3289	7	0.00%	0.09%	0.00%	98.00%	100.00%	100.00%	96.81%	96.54%	100.00%	100.00%	
47	Maharashtra	RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	97.75%	100.00%	100.00%	100.00%	
48		TTSL	0.35	92.92%	100.00%	100.00%	100.00%	39	6.15	0.38%	0.00%	NA	100.00%	100.00%	100.00%	95.93%	98.88%	100.00%	100.00%	
49		VIL	0.21	100.00%	100.00%	NA	NA	NA	4.17	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	
50	Madhya Pradesh	Bharti	0.18	89.26%	100.00%	NA	NA	96	8.12	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	90.00%	100.00%	100.00%	
51		BSNL	6	87.00%	100.00%	81.00%	100.00%	19224	7	0.00%	0.01%	0.00%	100.00%	100.00%	100.00%	89.18%	97.16%	100.00%	100.00%	
52		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%	
53		TTSL	0.98	82.05%	100.00%	100.00%	100.00%	261	11.50	0.10%	0.00%	NA	100.00%	100.00%	100.00%	95.31%	97.42%	100.00%	100.00%	
54	Mumbai	VIL	0.42	100.00%	100.00%	NA	NA	NA	6.13	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	
55		Bharti	1.00	88.91%	100.00%	NA	NA	156	3.33	0.00%	0.01%	NA	100.00%	100.00%	100.00%	100.00%	89.00%	100.00%	100.00%	
56		BSNL	6	90.00%	100.00%	93.00%	100.00%	737	4	0.00%	0.09%	0.00%	100.00%	100.00%	100.00%	90.00%	97.08%	100.00%	100.00%	
57		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	95.05%	99.47%	100.00%	100.00%	
58	Mumbai	TTSL	5.17	100.00%	100.00%	100.00%	100.00%	0	1.62	0.10%	0.00%	NA	100.00%	100.00%	100.00%	97.68%	98.60%	100.00%	100.00%	
59		VIL	0.63	100.00%	100.00%	NA	NA	NA	2.16	NA	NA	NA	NA	NA	NA	98.00%	100.00%	NA	NA	
60		Bharti	0.39	91.27%	100.00%	NA	NA	226	6.55	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	89.00%	100.00%	100.00%	
61		MTNL	2.80	68.70%	87.40%	NA	NA	89,709	29.1	0.05%	0.00%	NA	98.00%	100.00%	100.00%	99.44%	52.52%	96.24%	11.53%	
62	Mumbai	RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	96.82%	100.00%	100.00%	100.00%	
63		TTSL	3.05	74.94%	100.00%	100.00%	100.00%	1418	15.61	0.22%	0.00%	NA	100.00%	100.00%	100.00%	95.74%	97.09%	100.00%	99.20%	
64		VIL	0.24	100.00%	100.00%	NA	NA	NA	3.9	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	

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65	North East	RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%
66		VIL	0.00	100.00%	100.00%	NA	NA	NA	0.00	NA	NA	NA	NA	NA	NA	98.00%	100.00%	NA	NA
67		BSNL	4	93.00%	100.00%	92.00%	100.00%	143	6	0.00%	0.01%	0.00%	100.00%	100.00%	100.00%	96.95%	98.50%	100.00%	100.00%
68	Odisha	BSNL	4	91.00%	100.00%	91.00%	100.00%	457	7	0.00%	0.09%	0.00%	99.00%	100.00%	100.00%	97.06%	98.92%	100.00%	100.00%
69		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	100.00%	97.92%	100.00%	100.00%
70		TTSL	2.74	97.18%	100.00%	100.00%	100.00%	5	3.52	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
71		VIL	0.23	100.00%	100.00%	NA	NA	NA	2.23	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA
72	Punjab	Bharti	0.86	86.99%	100.00%	NA	NA	194	5.42	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	92.00%	100.00%	100.00%
73		BSNL	6	91.00%	100.00%	90.00%	100.00%	135	6	0.00%	0.02%	0.00%	98.00%	100.00%	100.00%	96.05%	98.41%	100.00%	100.00%
74		Quadran	5	91.30%	100.00%	100.00%	100.00%	0	7.07	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	96.38%	95.81%	100.00%	100.00%
75		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	97.44%	100.00%	100.00%	100.00%
76		TTSL	0.48	94.12%	100.00%	100.00%	100.00%	1	4.39	0.00%	0.00%	NA	100.00%	100.00%	100.00%	99.43%	100.00%	100.00%	100.00%
77		VIL	0.49	100.00%	100.00%	NA	NA	NA	0.46	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA
78	Rajasthan	Bharti	0.55	86.40%	100.00%	NA	NA	13	5.13	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	91.00%	100.00%	100.00%
79		BSNL	5	95.00%	100.00%	95.00%	100.00%	584	6	0.00%	0.07%	0.00%	100.00%	100.00%	100.00%	95.47%	98.27%	100.00%	100.00%
80		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	97.14%	100.00%	100.00%	100.00%
81		TTSL	4.51	100.00%	100.00%	100.00%	100.00%	1	2.68	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
82	VIL	0.20	100.00%	100.00%	NA	NA	NA	2.25	NA	NA	NA	NA	NA	NA	98.00%	100.00%	NA	NA	
83	Tamil Nadu	Bharti	1.07	93.91%	100.00%	NA	NA	594	7.77	0.00%	0.01%	NA	100.00%	100.00%	100.00%	100.00%	91.00%	100.00%	100.00%
84		BSNL	4	92.00%	100.00%	86.00%	100.00%	941	7	0.00%	0.03%	0.00%	100.00%	100.00%	100.00%	97.17%	96.98%	100.00%	100.00%
85		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	96.59%	100.00%	100.00%	100.00%
86		TTSL	0.28	76.81%	100.00%	100.00%	100.00%	15	11.84	0.11%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.60%	100.00%	100.00%
87	VIL	0.29	100.00%	100.00%	NA	NA	NA	2.55	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	
88	UPE	Bharti	0.45	88.80%	100.00%	NA	NA	73	5.43	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	91.00%	100.00%	100.00%
89		BSNL	6	91.00%	100.00%	86.00%	100.00%	1885	9	0.00%	0.07%	0.00%	100.00%	100.00%	100.00%	96.44%	98.57%	100.00%	100.00%
90		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	97.12%	100.00%	100.00%	100.00%
91		TTSL	1.36	100.00%	100.00%	100.00%	100.00%	0	1.36	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
92	VIL	0.18	100.00%	100.00%	NA	NA	NA	5.20	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA	
93	UPW	Bharti	0.42	86.76%	100.00%	NA	NA	40	5.79	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
94		BSNL	6	94.00%	100.00%	94.00%	100.00%	292	7	0.00%	0.06%	0.00%	99.00%	100.00%	100.00%	95.52%	98.50%	100.00%	100.00%
95		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	2.5	0.00%	0.00%	0.00%	NA	NA	NA	96.61%	100.00%	100.00%	100.00%
96		TTSL	2.62	100.00%	100.00%	100.00%	100.00%	0	4.08	0.00%	0.00%	NA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
97		VIL	1.03	100.00%	100.00%	NA	NA	NA	4.14	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA
98	West Bengal	BSNL	2	88.00%	100.00%	90.00%	100.00%	489	6	0.00%	0.02%	0.00%	98.00%	100.00%	100.00%	94.24%	99.67%	100.00%	100.00%
99		RJIL	0	100.00%	100.00%	100.00%	100.00%	0.00	0.00	0.00%	0.00%	0.00%	NA	NA	NA	96.55%	100.00%	100.00%	100.00%
100		TTSL	0.00	100.00%	100.00%	100.00%	100.00%	5	0.00	0.00%	0.00%	NA	100.00%	100.00%	100.00%	95.36%	99.57%	100.00%	100.00%
101		VIL	4.17	100.00%	100.00%	NA	NA	NA	0.18	NA	NA	NA	NA	NA	NA	98.00%	100.00%	100.00%	NA
Note: NA means Not applicable, and NR means Not reported																			

Annexure 4.3: Quality of Service Performance of Broadband (wireline) Service Providers

Sl. No.	Service Provider	Service area	Service Provisioning	Faults Repair		Billing Performance				Response Time to the Customer for assistance		Bandwidth utilisation/throughput				Service availability /uptime (for all users) in %age	Packet Loss (for wired broadband access) in %age	Network latency (for wired broadband access)			
				% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rebate	%age of bills disputed	%age of billing resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download) from ISP node to user			Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to International gateway (IGSP/NXI)	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)
				100%	>90%	=>99%	in nos.	<2%	100% within 4 weeks	100% within 60 days	>60%	>80%	0	0	<90%			>80%	>98%	<1%	<120 ms
1	Bharat Sanchar Nigam Ltd. (BSNL)	All India (except Delhi & Mumbai)	100.00%	93.89%	99.75%	1315	0.07%	100.00%	94.00%	90.46%	92.76%	NA	0	59.70%	93.45%	99.61%	0.60%	53	133	NA	
2	Mahanagar Telephone Nigam Limited	Delhi & Mumbai	78.60%	61.76%	76.35%	49307	0.00%	100.00%	55.89%	70.40%	78.54%	Nil	0	55.88%	89.96%	99.76%	0.52%	43	297	NA	
3	Airlink Communications Pvt. Ltd.	All India	100.00%	91.40%	99.13%	0	NA	100.00%	NA	82.01%	100.00%	0	0	85.25%	98.23%	99.83%	0.47%	76	254	NA	
4	Airnet Cable and Datacom Pvt. Ltd.	All India	100.00%	97.00%	100.00%	0	0	0.00%	0.00%	100.00%	100.00%	0	0	56.67%	100.00%	100.00%	0.38%	5	250	NA	
5	Alliance Broadband Services Pvt. Ltd.	All India	100.00%	92.97%	100.00%	Nil	0.00%	100.00%	Nil	84.00%	100.00%	0	0	64.44%	97.00%	99.59%	0.00%	50	208	200	
6	ANI Network Pvt. Ltd.	Delhi	100.00%	92.00%	100.00%	0	0.00%	0.00%	0.00%	99.00%	100.00%	0	0	89.00%	100.00%	99.93%	0.40%	20	288	NA	
7	Asianet Satellite Communications Ltd.	All India	100.00%	90.58%	99.78%	Nil	1.73%	100.00%	100.00%	60.56%	80.78%	Nil	0	69.81%	90.00%	99.60%	0.88%	50	270	NA	
8	Atria Convergence Technologies Pvt.	All India	100.00%	96.00%	99.70%	16514	1.36%	100.00%	Nil	79.00%	83.00%	0	0	47.00%	94.00%	100.00%	0.02%	25	244	NA	
9	BZH Infonet Pvt Ltd*	Mumbai	100.00%	100.00%	100.00%	0	0.00%	100.00%	100.00%	89.00%	100.00%	0	0	0.00%	91.67%	99.43%	NR	NR	NR	NR	
10	Bharti Airtel Ltd.	Andhra Pradesh	100.00%	90.09%	100.00%	431	0.01%	100.00%	100.00%	89.00%	92.00%	0	0	46.00%	100.00%	99.87%	0.00%	28	47	NA	
		Bihar	100.00%	90.16%	99.19%	292	0.00%	100.00%	100.00%	90.00%	93.00%	0	0	NA	100.00%	99.76%	0.00%	55	NA	NA	
		Delhi	100.00%	93.52%	99.06%	520	0.01%	100.00%	100.00%	88.00%	92.00%	0	NR	43.00%	100.00%	99.98%	0.00%	41	73	NA	
		Gujarat	100.00%	93.19%	99.22%	268	0.04%	100.00%	100.00%	88.00%	92.00%	0	0	1.00%	100.00%	99.92%	0.00%	22	64	NA	
		Haryana	100.00%	90.82%	99.07%	352	0.01%	100.00%	100.00%	90.00%	94.00%	0	0	NA	100.00%	99.79%	0.00%	66	NA	NA	
		Karnataka	100.00%	93.46%	100.00%	1436	0.01%	100.00%	100.00%	89.00%	92.00%	0	0	37.00%	100.00%	99.94%	0.00%	13	47	NA	
		Kerala	100.00%	94.42%	99.81%	101	0.00%	100.00%	100.00%	86.00%	90.00%	0	0	NA	100.00%	99.97%	0.00%	18	NA	NA	
		Kolkata	100.00%	93.03%	100.00%	448	0.01%	100.00%	100.00%	86.00%	91.00%	0	0	34.00%	100.00%	99.81%	0.00%	58	66	NA	
		Jammu & Kashmir	100.00%	92.46%	99.25%	333	0.02%	100.00%	100.00%	86.00%	91.00%	0	0	NA	100.00%	99.61%	0.00%	32	64	NA	
		Himachal Pradesh*	100.00%	91.80%	99.30%	2	0.02%	100.00%	100.00%	92.00%	95.00%	0	0	NA	100.00%	99.92%	0.00%	35	NA	NA	
		Madhya Pradesh	100.00%	91.92%	99.13%	250	0.01%	100.00%	100.00%	84.00%	90.00%	0	0	48.00%	100.00%	99.92%	0.00%	39	67	NA	
		Maharashtra	100.00%	91.46%	99.26%	831	0.01%	100.00%	100.00%	88.00%	92.00%	0	0	46.00%	100.00%	99.78%	0.00%	14	52	NA	
		Mumbai	100.00%	92.46%	99.26%	607	0.01%	100.00%	100.00%	88.00%	92.00%	0	0	42.00%	100.00%	99.67%	0.00%	39	61	NA	
		Punjab	100.00%	90.69%	99.11%	666	0.02%	100.00%	100.00%	90.00%	93.00%	0	0	47.00%	100.00%	99.90%	0.00%	60	85	NA	
		Rajasthan	100.00%	90.12%	99.92%	28	0.01%	100.00%	100.00%	90.00%	94.00%	0	0	26.00%	100.00%	99.88%	0.00%	42	70	NA	
Tamilnadu	100.00%	94.56%	99.91%	1368	0.02%	100.00%	100.00%	88.00%	91.00%	0	NR	46.00%	100.00%	99.95%	0.00%	7	41	NA			
UP - East	100.00%	91.03%	99.09%	880	0.01%	100.00%	100.00%	87.00%	91.00%	0	0	46.00%	100.00%	99.75%	0.00%	44	68	NA			
UP - West	100.00%	90.79%	99.04%	500	0.01%	100.00%	100.00%	89.00%	93.00%	0	0	NA	100.00%	99.73%	0.00%	32	NA	NA			
11	City Online Services Ltd.	AP	100.00%	98.00%	99.00%	NA	0.00%	100.00%	100.00%	95.00%	97.60%	0	0	70.70%	98.00%	99.00%	0.50%	25	280	NA	
		Karnataka	100.00%	98.00%	99.00%	NA	0.00%	100.00%	100.00%	95.50%	98.17%	0	0	77.50%	97.87%	99.33%	0.57%	25	280	NA	
12	DNA Infotel Pvt Ltd	Maharashtra	100.00%	90.95%	99.28%	0	0.00%	100.00%	Nil	65.17%	83.82%	0	0	80.00%	83.00%	99.31%	0.97%	4	255	600	
13	DEN Broadband Pvt.Ltd.	All India	100.00%	97.94%	99.85%	0	Nil	Nil	Nil	83.00%	87.00%	0	0	78.64%	93.00%	99.08%	0.62%	83	270	NA	
14	Digital Network Associates Pvt. Ltd	Maharashtra & Goa	100.00%	90.91%	99.40%	0	0.00%	100.00%	Nil	62.62%	81.97%	0	0	80.00%	83.00%	99.31%	0.90%	4	255	600	
		Mumbai	100.00%	97.61%	100.00%	0	0.00%	100.00%	Nil	88.80%	96.33%	0	0	80.00%	86.00%	99.31%	0.40%	4	255	600	
15	Digital Satellite Connect Pvt. Ltd.	Maharashtra	100.00%	91.29%	99.35%	0	0.00%	100.00%	Nil	62.18%	81.76%	0	0	80.00%	82.00%	99.45%	0.90%	4	255	600	
		Mumbai	100.00%	91.38%	99.20%	0	0.00%	100.00%	Nil	62.12%	81.59%	0	0	80.00%	82.00%	99.45%	0.95%	4	255	600	
16	D-Vois Communications Pvt.Ltd.	All India	100.00%	95.00%	99.84%	0	0.00%	Nil	Nil	83.00%	89.17%	0	0	Nil	90.00%	100.00%	0.10%	24	28	59	

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17	ESTO Broadband Pvt.Ltd.	All India	100.00%	96.67%	100.00%	0	0.00%	0.00%	0.00%	85.33%	93.33%	0	0	88.84%	90.00%	99.02%	0.00%	40	100	720
18	Excitel Broadband Pvt.Ltd.	Andhra Pradesh	100.00%	91.00%	99.10%	Nil	NA	NA	NA	74.30%	90.00%	0	Nil	79.00%	98.50%	98.48%	0.00%	12	199	Nil
		Delhi	100.00%	90.10%	99.10%	Nil	NA	NA	NA	60.10%	80.10%	0	Nil	78.60%	98.40%	98.60%	0.00%	4	199	Nil
		Karnataka	100.00%	90.20%	99.10%	Nil	NA	NA	NA	60.10%	80.10%	0	Nil	76.90%	98.50%	98.48%	0.00%	12	199	Nil
		Rajasthan	100.00%	90.10%	99.10%	Nil	NA	NA	NA	60.10%	80.20%	0	Nil	79.06%	98.30%	98.48%	0.00%	4	199	Nil
		UP(East)	100.00%	90.10%	99.00%	Nil	NA	NA	NA	60.20%	80.20%	0	Nil	78.80%	98.50%	98.43%	0.00%	4	199	Nil
19	Five Networks Solution (India) Ltd.	All India	100.00%	99.50%	100.00%	NA	0.00%	100.00%	100.00%	NA	NA	NA	0	NA	90.00%	99.00%	0.60%	NA	NA	NA
20	Fusionnet Web Services Pvt. Ltd.	All India	100.00%	94.60%	99.70%	21	0.00%	100.00%	100.00%	77.40%	84.10%	0	0	60.00%	100.00%	100.00%	0.00%	5	277	NA
21	GTPL Broadband Pvt.Ltd.	All India	100.00%	92.09%	99.22%	15	0.00%	100.00%	100.00%	87.43%	93.55%	0	NA	42.31%	94.00%	98.85%	0.00%	11	300	NA
22	GTPL KCBPL Broadband Private Limited		100.00%	96.67%	100.00%	NA	NA	100.00%	100.00%	87.67%	88.33%	0	0	76.00%	89.00%	99.20%	0.00%	10	250	310
23	Hathway Cable & Datacom Ltd.	All India	100.00%	92.85%	99.62%	7665	0.63%	100.00%	100.00%	95.30%	95.68%	0	0	76.85%	90.00%	99.66%	0.34%	77	261	NA
24	Honesty Net Solutions (I) Pvt. Ltd.	Mumbai	100.00%	93.00%	100.00%	0	Nil	100.00%	100.00%	68.00%	100.00%	0	0	NA	95.00%	100.00%	0.02%	NA	66	NA
25	Indinet Service Pvt Ltd	All India	100.00%	91.67%	100.00%	0	0.00%	100.00%	100.00%	69.22%	80.72%	0	0	88.00%	90.00%	99.13%	0.07%	54	250	0
26	INSTANET Technologies Pvt.Ltd.	Maharashtra	100.00%	93.53%	100.00%	0	0.25%	100.00%	NA	69.53%	85.91%	Nil	Nil	63.00%	90.00%	100.00%	0.00%	4	255	NA
27	Intech Online Pvt.Ltd.	Maharashtra	100.00%	90.49%	99.54%	32	0.83%	100.00%	0.00%	88.18%	88.18%	0	0	84.51%	85.33%	99.98%	0.07%	15	89.33	452
		Mumbai	100.00%	90.54%	99.40%	75	0.58%	100.00%	0.00%	88.30%	88.30%	0	0	58.90%	85.33%	99.98%	0.05%	1	76	453
28	Intermedia Cable Communication Pvt. Ltd.	Pune	100.00%	98.00%	99.50%	NA	0.03%	100.00%	100.00%	95.00%	98.00%	NA	NA	NA	90.00%	99.00%	0.00%	67	240	NA
29	Ishan Netsol Pvt Ltd	Gujarat	100.00%	91.98%	100.00%	0	0.00%	100.00%	100.00%	62.63%	82.31%	0	0	60.43%	91.00%	99.39%	0.00%	100	250	0
30	Joister Infoserve Pvt. Ltd.	Mumbai	100.00%	94.00%	100.00%	Nil	0.00%	100.00%	0.00%	85.00%	89.00%	0	0	86.00%	99.00%	100.00%	0.00%	1	47	265
		Maharashtra	100.00%	94.00%	100.00%	Nil	0.00%	100.00%	NA	85.00%	88.00%	0	0	84.00%	99.00%	100.00%	1.00%	1	225	265
31	K NET Solutions Private Limited	Chennai	100.00%	87.96%	97.41%	0	NA	100.00%	100.00%	63.72%	68.81%	0	0	NA	100.00%	99.96%	0.00%	5	215	NA
		TN	100.00%	89.33%	97.86%	0	NA	100.00%	100.00%	63.72%	68.81%	0	0	NA	100.00%	99.96%	0.00%	14	225	NA
32	Limras Eronet Broadband Service Pvt.	All India	100.00%	99.00%	100.00%	0	1.00%	100.00%	Nil	90.00%	100.00%	0	0	Nil	97.00%	99.40%	0.01%	31	261	0
33	Meghela Cable & Broadband Services	All India	100.00%	95.00%	100.00%	0	0.00%	100.00%	100.00%	95.00%	100.00%	Nil	Nil	74.00%	95.00%	99.90%	0.00%	60	150	0
34	Microscan Infocommtech Pvt. Ltd. (Formerly - Microscan Computers Pvt.Ltd)	Mumbai	100.00%	96.81%	99.77%	0	0.00%	0.00%	0.00%	100.00%	100.00%	0	0	35.26%	100.00%	100.00%	0.38%	5	250	NA
		Maharashtra	100.00%	94.87%	99.75%	0	0.00%	0.00%	0.00%	100.00%	100.00%	0	0	12.42%	100.00%	100.00%	0.64%	5	250	NA
35	Multicraft Digital Technologies Pvt. Ltd.	PAN India	100.00%	98.67%	100.00%	NA	0.00%	0.00%	0.00%	99.00%	99.00%	NA	NA	88.33%	91.00%	99.00%	0.00%	41	NA	NA
36	Netplus Broadband Services Pvt. Ltd.	Delhi	100.00%	100.00%	100.00%	0	0.00%	100.00%	100.00%	64.00%	83.00%	0	0	69.14%	95.90%	100.00%	0.10%	97	192	NA
		Haryana	100.00%	98.72%	100.00%	0	1.27%	100.00%	100.00%	64.00%	83.00%	0	0	75.00%	97.17%	100.00%	0.10%	95	193	NA
		Himachal Pradesh	100.00%	96.43%	100.00%	0	1.05%	100.00%	100.00%	64.00%	83.00%	0	0	72.00%	96.40%	100.00%	0.10%	91	194	NA
		Jammu & Kashmir	100.00%	99.75%	100.00%	0	1.85%	100.00%	100.00%	84.00%	91.33%	0	0	71.52%	95.67%	100.00%	0.10%	99	196	NA
		Punjab	100.00%	97.75%	100.00%	0	0.84%	100.00%	100.00%	64.00%	83.00%	0	0	77.00%	97.67%	100.00%	0.10%	81	155	NA
		Rajasthan	100.00%	100.00%	100.00%	0	0.80%	100.00%	100.00%	64.00%	83.00%	0	0	76.00%	96.50%	100.00%	0.10%	94	192	NA
37	Nextra Teleservices Pvt. Ltd.	UP-West	100.00%	100.00%	100.00%	0	1.27%	100.00%	100.00%	64.00%	83.00%	0	0	72.68%	96.20%	100.00%	0.10%	94	193	NA
		Delhi	100.00%	92.27%	99.57%	1513	1.00%	100.00%	100.00%	75.00%	90.00%	0	0	84.00%	100.00%	100.00%	1.00%	120	350	NA
38	Nuron Networks India Private Limited	Karnataka	100.00%	91.00%	99.11%	0	0.00%	Nil	Nil	0.00%	0.00%	0	Nil	Nil	90.00%	99.00%	0.10%	26	29	59
39	Ortel Communications Ltd.	All India	100.00%	93.68%	99.30%	NA	NA	NA	NA	100.00%	100.00%	0	0	62.40%	93.00%	99.77%	0.00%	101	169	NA
40	ONEOTT Intertainment Limited	All India	100.00%	97.00%	99.00%	19	1.70%	100.00%	100.00%	95.00%	95.00%	0	0	80.67%	100.00%	99.86%	0.50%	56	145	NA
41	Quadrant Televentures Ltd.	Punjab	100.00%	94.10%	99.30%	0	0.02%	100.00%	100.00%	83.38%	88.86%	0	0	67.37%	100.00%	99.95%	0.00%	80	280	0
42	Quest Consultancy Pvt Ltd.	Gujarat	100.00%	95.00%	100.00%	Nil	Nil	100.00%	Nil	89.00%	99.00%	0	Nil	82.00%	99.00%	99.00%	0.30%	13	267	NA
43	Radinet Info Solutions Pvt Ltd.*	Rajasthan	100.00%	90.48%	99.53%	0	Nil	Nil	Nil	82.93%	85.86%	0	0	73.18%	90.00%	99.18%	0.00%	20	260	NA
44	RailTel Corporation of India Ltd.	All India (Pan India)	100.00%	98.00%	100.00%	Nil	0.00%	Nil	Nil	76.00%	100.00%	0	0	55.45%	100.00%	99.95%	1.00%	90	326	NA
45	Rajesh Digital Datacom Pvt.Ltd.	Mumbai	100.00%	97.00%	100.00%	0	0.00%	100.00%	100.00%	97.00%	98.00%	0	0	87.00%	83.00%	99.00%	0.00%	46	250	500

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46	Readiylink Internet Services Pvt Ltd	TN	100.00%	99.00%	100.00%	0	0.05%	100.00%	100.00%	77.00%	88.00%	0	0	67.00%	85.00%	100.00%	0.00%	23	85	NA
47	Reliance Jio Infocomm Ltd.	Andhra Pradesh	100.00%	90.92%	99.99%	0	0.00%	100.00%	100.00%	99.07%	99.48%	0	NA	NA	100.00%	100.00%	0.01%	12	NA	NA
		Assam	100.00%	90.32%	99.90%	0	0.00%	100.00%	100.00%	96.43%	97.82%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	NA
		Bihar	100.00%	90.92%	99.97%	0	0.00%	100.00%	100.00%	95.26%	96.99%	NA	NA	NA	100.00%	99.98%	NA	NA	NA	NA
		Delhi	100.00%	91.08%	99.98%	0	0.00%	100.00%	100.00%	96.33%	97.76%	0	0	18.00%	100.00%	99.99%	0.00%	16	NA	NA
		Gujarat	100.00%	90.87%	99.97%	0	0.00%	100.00%	100.00%	96.22%	97.72%	NA	NA	NA	100.00%	99.99%	0.00%	23	NA	NA
		Haryana	100.00%	90.96%	99.95%	0	0.00%	100.00%	100.00%	95.80%	97.55%	NA	NA	NA	100.00%	100.00%	NA	59	NA	NA
		Himachal Pradesh	100.00%	91.05%	99.86%	0	0.00%	100.00%	100.00%	96.22%	97.64%	NA	NA	NA	100.00%	99.99%	NA	NA	NA	NA
		Jammu & Kashmir	100.00%	91.06%	99.96%	0	0.00%	100.00%	100.00%	99.72%	99.89%	NA	NA	NA	100.00%	99.99%	NA	NA	NA	NA
		Karnataka	100.00%	90.76%	99.96%	0	0.00%	100.00%	100.00%	97.33%	98.47%	0	NA	NA	100.00%	99.99%	0.01%	12	NA	NA
		Kerala	100.00%	92.03%	99.95%	0	0.00%	100.00%	100.00%	98.03%	98.82%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	NA
		Kolkata	100.00%	90.97%	99.96%	0	0.00%	100.00%	100.00%	95.56%	97.11%	0	NA	NA	100.00%	100.00%	0.01%	32	NA	NA
		Madhya Pradesh	100.00%	91.02%	99.99%	0	0.00%	100.00%	100.00%	99.84%	99.94%	NA	NA	NA	100.00%	99.99%	NA	NA	NA	NA
		Maharashtra	100.00%	91.01%	99.94%	0	0.00%	100.00%	100.00%	99.90%	99.96%	NA	NA	NA	100.00%	99.99%	0.00%	18	NA	NA
		Mumbai	100.00%	90.74%	99.96%	0	0.00%	100.00%	100.00%	96.62%	97.89%	0	NA	44.00%	100.00%	99.94%	0.00%	7	107.05	NA
		North East	100.00%	92.04%	99.95%	0	0.00%	100.00%	100.00%	97.07%	98.27%	NA	NA	NA	100.00%	99.94%	NA	NA	NA	NA
		Orissa	100.00%	90.86%	99.94%	0	0.00%	100.00%	100.00%	99.74%	99.93%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	NA
		Punjab	100.00%	92.05%	99.96%	0	0.00%	100.00%	100.00%	96.02%	97.60%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	NA
		Rajasthan	100.00%	91.11%	99.97%	0	0.00%	100.00%	100.00%	95.98%	97.59%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	NA
Tamilnadu	100.00%	91.06%	99.96%	0	0.00%	100.00%	100.00%	97.89%	98.79%	0	0	47.00%	100.00%	100.00%	0.02%	7	34	NA		
Uttar Pradesh - East	100.00%	90.79%	99.98%	0	0.00%	100.00%	100.00%	99.66%	99.92%	0	NA	NA	100.00%	99.99%	0.00%	32	NA	NA		
Uttar Pradesh - West	100.00%	90.21%	99.96%	0	0.00%	100.00%	100.00%	94.86%	96.96%	NA	NA	NA	100.00%	99.99%	NA	NA	NA	NA		
West Bengal	100.00%	91.01%	99.97%	0	0.00%	100.00%	100.00%	99.74%	99.89%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	NA		
48	RI Networks Pvt Ltd	All India	100.00%	92.77%	99.11%	1568	NA	NA	100.00%	78.31%	85.52%	0	0	87.00%	100.00%	100.00%	0.50%	50	200	NA
49	Sai Prasad Internet Services Pvt.Ltd.	Maharashtra	100.00%	91.46%	99.19%	0	0.00%	100.00%	Nil	62.09%	82.00%	Nil	0	80.00%	81.00%	99.50%	0.95%	4	255	600
50	Shree Omkar Infocom Pvt. Ltd.	Mumbai	100.00%	98.00%	100.00%	11	0.00%	100.00%	100.00%	90.00%	95.00%	0	0	70.00%	94.00%	99.90%	0.50%	2	125	650
51	Shyam Spectra Pvt. Ltd. (formerly Citycom Networks Pvt. Ltd.)	All India	100.00%	97.93%	99.79%	223	0.97%	100.00%	100.00%	93.30%	94.60%	0	0	16.40%	93.00%	99.93%	0.00%	10	153	NA
52	Sikka Broadband(P) Ltd.	UP (East)	100.00%	91.00%	99.26%	0	0.00%	0.00%	0.00%	88.00%	98.70%	0%	0%	80.00%	86.60%	99.50%	1.00%	10	290	400
53	Siti Broadband Services Pvt. Ltd.	All India (Pan India)	100.00%	91.65%	99.07%	89	Nil	Nil	100.00%	97.00%	100.00%	0	0	57.12%	95.00%	99.56%	0.00%	3	133	NA
54	SRISTISANCHAR WEBNET LTD	Kolkata	100.00%	93.50%	100.00%	Nil	0.00%	100.00%	Nil	84.00%	100.00%	0	0	69.40%	93.67%	99.77%	0.00%	50	208	200
55	Tachyon Communications Pvt. Ltd.	UP-East (Lucknow)	100.00%	97.00%	100.00%	0	0.00%	100.00%	100.00%	87.00%	93.00%	0	0	69.00%	99.00%	100.00%	0.00%	35	70	NA
56	Tata Communications Ltd.* (Ceased broadband services, hence NIL report)	All India	NA	Nil	Nil	0	Nil	Nil	0.00%	0.00%	0.00%	Nil	Nil	0.00%	Nil	Nil	0.00%	15	253	NA
57	Tata Sky Broadband Pvt. Ltd.	All India	100.00%	99.41%	99.95%	NA	NA	NA	NA	87.21%	91.13%	0	0	67.00%	100.00%	99.91%	0.00%	1	NA	NA
58	Tata Teleservices Limited (TTSL)	All India (except MH)	100.00%	88.00%	96.00%	0	0.00%	100.00%	100.00%	98.00%	98.00%	0	0	64.00%	100.00%	100.00%	0.00%	40	41	NA
59	Tata Teleservices(Mah) Ltd.(TTML)	Mah. & Mumbai	100.00%	81.00%	93.00%	0	0.00%	100.00%	100.00%	96.00%	97.00%	0	0	68.00%	97.00%	100.00%	0.00%	71	232	NA
60	United Telecoms Ltd.	Maharashtra	96.00%	76.33%	91.66%	94	0.03%	100.00%	100.00%	68.00%	85.00%	0	0	50.49%	100.00%	100.00%	0.00%	21	132	NA
61	Wan and Lan Internet Pvt. Ltd.	Mumbai	100.00%	100.00%	100.00%	0	0.00%	100.00%	0.00%	90.00%	90.00%	0	0	88.00%	90.00%	99.90%	0.00%	20	40	80
62	Wish Net Pvt. Ltd.	Kolkata	100.00%	98.05%	100.00%	0	0.00%	100.00%	NA	91.42%	92.62%	0	0	51.85%	100.00%	99.86%	0.15%	20	NA	NA
		West Bengal	100.00%	99.05%	100.00%	0	0.00%	100.00%	NA	93.00%	96.00%	0	0	51.85%	100.00%	99.94%	0.27%	20	NA	NA
63	World Phone Internet Services Pvt.Ltd.	All India	100.00%	94.00%	100.00%	0	0.00%	0.00%	0.00%	64.33%	84.00%	0	NA	NA	85.00%	100.00%	1.00%	25	NA	NA
64	Yashash Cable Network Pvt Ltd	Karnataka	100.00%	91.00%	99.00%	8	0.00%	0.00%	0.00%	87.14%	94.83%	0	0	78.68%	84.00%	99.86%	0.10%	30	301	0
65	You Broadband India Pvt. Ltd.	All India	100.00%	92.05%	99.40%	170	0.00%	100.00%	100.00%	85.70%	89.38%	0	0	77.74%	87.15%	98.90%	0.00%	9	275	0
				DNF= Data not as per Format				NR= Data not reported by the Service Provider							NA = Not Applicable			C/DNF= Complied the parameter but Data is not in the required format		

Note: M/s Tata Communications Ltd. has ceased broadband services, hence, NIL report submitted.

Annexure 5.1: List of pay channels, offered by broadcasters to subscribers as reported to TRAI (New Regulatory Framework) - as on 30th June, 2021)

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
1	AETN 18 Media Pvt Limited	1	The History Channel	SD
		2	Histry TV 18 HD	HD
2	Asianet Star Communications Private Limited	3	Vijay TV	SD
		4	Vijay Super	SD
		5	Vijay HD	HD
		6	Vijay Music	SD
		7	Asianet	SD
		8	Asianet Plus	SD
		9	Asianet Movies	SD
		10	Suvarna Plus	SD
		11	Star Suvarna HD	HD
		12	Asianet HD	HD
		13	Star Suvarna	SD
3	Bangla Entertainment Private Limited	14	AATH	SD
		15	SONY Marathi	SD
4	BBC Global News India Private Limited	16	BBC World News	SD
		17	Cbeebies	SD
5	Bennett, Coleman & Company Limited	18	Zoom	SD
		19	Romedy Now	SD
		20	MN +	HD
		21	Mirror Now	SD
		22	ET NOW	SD
		23	Times Now	SD
		24	Romedy Now HD	HD
		25	Movies Now HD	HD
		26	MNX HD	HD
		27	MNX	SD
28	Times Now World	HD		

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
6	Celebrities Management Pvt Limited	29	Travel XP HD	HD
		30	Travel XP Tamil	SD
7	CSL Info Media Private Limited	31	JAN TV PLUS	SD
8	Direct New Private Limited	32	News X	SD
9	Discovery Communications India	33	Animal Planet	SD
		34	Discovery Channel	SD
		35	DTAMIL	SD
		36	Discovery Kids Channel	SD
		37	Discovery Science	SD
		38	Discovery Turbo	SD
		39	Investigation Discovery	SD
		40	Discovery HD	HD
		41	Animal Planet HD World	HD
		42	TLC HD	HD
		43	Investigation Discovery HD	HD
		44	TLC	SD
		45	EUROSPORT HD (Earlier name "Dsport HD")	HD
46	EUROSPORT (Earlier name "Dsport")	SD		
10	Disney Broadcasting (India) Limited	47	Disney Junior	SD
		48	UTV Movies	SD
		49	Marvel HQ	SD
		50	Disney International HD	HD
		51	Hungama TV	SD
		52	The Disney Channel	SD
		53	UTV HD	HD
		54	UTV Bindass	SD
		55	UTV Action	SD
11	Eenadu Televisoin Private Limited	56	ETV	SD
		57	ETV Andhra Pradesh	SD
		58	ETV - Telangana	SD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		59	ETV Cinema	SD
		60	ETV Life	SD
		61	ETV Plus	SD
		62	ETV Abhiruchi	SD
		63	ETV HD	HD
		64	ETV Plus HD	HD
		65	ETV Cinema HD	HD
		66	ETV Balbharat Telugu	SD
		67	ETV Balbharat Hindi	SD
		68	ETV Balbharat Punjabi	SD
		69	ETV Balbharat Marathi	SD
		70	ETV Balbharat Gujarathi	SD
		71	ETV Balbharat kannada	SD
		72	ETV Balbharat Malayalam	SD
		73	ETV Balbharat Tamil	SD
		74	ETV Balbharat Bangla	SD
		75	ETV Balbharat Odia	SD
		76	ETV Balbharat Assamese	SD
		77	ETV Balbharat English	SD
		78	ETV Balbharat HD	HD
		79	ETV Balbharat SD	SD
12	IN 10 Media Private Limited	80	EPIC TV	SD
		81	Filamchi	SD
		82	Gubbare	SD
		83	Ishara TV	SD
13	Information TV Private Limited	84	India News	SD
14	Fame Media Private Limited	85	4tv News	SD
15	Greycells18 Media Limited	86	Topper TV	SD
16	IBN Lokmat News Private Ltd	87	News 18 Lokmat	SD
17	Living Entertainment Enterprises Private Ltd	88	ZEE ZEST HD	HD
		89	Living Travelz	SD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
18	Lifestyle and Media Broadcasting Limited	90	Good Times	SD
19	Lex Sportel Vision Private Limited	91	1SPORTS	SD
20	Mavis Satcom Limited	92	J Movies	SD
		93	Jaya Max	SD
		94	Jaya Plus	SD
		95	Jaya TV HD	HD
21	MSM World Wide Factual Media Private Limited	96	SONY BBC EARTH	SD
		97	SONY BBC EARTH HD	HD
22	Media World Wide Limited	98	Travel XP	SD
23	New Delhi Television Limited	99	NDTV 24*7	SD
		100	NDTV India	SD
		101	NDTV Profit	SD
24	NGC Network (India) Pvt Limited	102	Fox Life	SD
		103	National Geographic Channel (NGC)	SD
		104	Fox Life HD	HD
		105	Nat Geo Wild	SD
		106	National Geographic HD	HD
		107	Nat Geo Wild HD	HD
		108	Baby TV HD	HD
25	Odisha Television Limited	109	Prarthana	SD
		110	Tarang	SD
		111	Tarang Music	SD
		112	Alankar	SD
26	Parshavnath Media Private Limited	113	Dangal Kannada	SD
27	Raj Television Network Limited	114	Raj Digital Plus	SD
		115	Raj Musix	SD
		116	Raj News	SD
		117	Raj TV	SD
28	Silverstar Communications Limited	118	Mega 24	SD
		119	Mega Musiq	SD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		120	Mega TV	SD
29	Sony Pictures Networks India Private Limited	121	Sony YAY!	SD
		122	SET MAX	SD
		123	SAB	SD
		124	SONY ENTERTAINMENT CHANNEL (SET)	SD
		125	PIX	SD
		126	SIX	SD
		127	MAX 2	SD
		128	PAL	SD
		129	SET HD	HD
		130	SIX HD	HD
		131	PIX HD	HD
		132	MAX HD	HD
		133	Ten 2 HD	HD
		134	Ten 3 HD	HD
		135	Ten 2	SD
		136	Ten 1	SD
		137	Ten 3	SD
		138	Ten 1 HD	HD
		139	SONY Wah	SD
140	SAB HD	HD		
141	Ten 4	SD		
142	Ten 4 HD	HD		
30	Star India Private Limited	143	Star Sports 3	SD
		144	Star Sports 1 Tamil	SD
		145	Star Sports Select 2	SD
		146	Star Bharat	SD
		147	Star Gold 2 (Movies OK)	SD
		148	Star Sports 1 Hindi	SD
		149	Star Gold	SD
		150	Star Jalsha	SD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		151	Star Movies	SD
		152	Star Gold Select	SD
		153	Star Plus	SD
		154	Star Pravah	SD
		155	Star Sports 1	SD
		156	Star Sports 2	SD
		157	Star World	SD
		158	Jalsha Movies	SD
		159	Star Sports HD 2	HD
		160	Star Sports HD 1	HD
		161	Star Bharat HD	HD
		162	Star Gold HD	HD
		163	Star Movies HD	HD
		164	Star Plus HD	HD
		165	Star Sports 1 HD Hindi	HD
		166	Star Sports Select 1	SD
		167	Star Movies Select HD	HD
		168	Star World HD	HD
		169	Star Sports First	SD
		170	MAA Gold	SD
		171	MAA Movies	SD
		172	MAA Music	SD
		173	MAA TV	SD
		174	Star Pravah HD	HD
		175	Star Jalsha HD	HD
		176	Jalsha Movies HD	HD
		177	Star Sports Select HD 1	HD
		178	Star Sports Select HD 2	HD
		179	MAA HD	HD
		180	Star Gold Select HD	HD
		181	MAA Movies HD	HD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		182	Star World Premiere HD	HD
		183	Star Sport 1 Telugu	SD
		184	Star Sport 1 Kannada	SD
		185	Star Sports 1 Bangla	SD
		186	Star Utsav	SD
		187	Star Sports 1 Marathi	SD
		188	Star Utsav Movies	SD
31	SUN TV Network Limited	189	Adithya TV	SD
		190	Chintu TV	SD
		191	Chutti TV	SD
		192	Gemini Comedy	SD
		193	Gemini Life	SD
		194	Gemini Movies	SD
		195	Gemini Music	SD
		196	Gemini TV	SD
		197	KTV	SD
		198	Surya Movies	SD
		199	Kushi TV	SD
		200	SUN Life	SD
		201	Sun Music	SD
		202	Sun News	SD
		203	Surya Music	SD
		204	SUN TV	SD
		205	Surya Comedy	SD
		206	Surya TV	SD
		207	Udaya Comedy	SD
		208	Udaya Movies	SD
		209	Udaya Music	SD
		210	Udaya TV	SD
		211	Kochu TV	SD
		212	Sun TV HD	HD
		213	KTV HD	HD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		214	Sun Music HD	HD
		215	Gemini TV HD	HD
		216	Gemini Music HD	HD
		217	Gemini Movies HD	HD
		218	Surya TV HD	HD
		219	Udaya TV HD	HD
32	Suryansh Broadcasting Private Limited	220	Flowers	SD
33	Turner International India Pvt Ltd	221	Cartoon Network	SD
		222	CNN International	SD
		223	POGO	SD
		224	Cartoon Network HD+	HD
34	TV 18 Broadcast Limited	225	CNN News 18	SD
		226	CNBC Bazaar	SD
		227	CNBC TV 18 Prime HD	HD
		228	CNBC Awaaz	SD
		229	News 18 Tamil Nadu	SD
		230	News 18 Kerala	SD
		231	News 18 Assam / North East	SD
		232	News 18 India	SD
		233	CNBC TV 18	SD
		234	News 18 Bihar Jharkhand	SD
		235	News 18 Madhya Pradesh / Chattisgarh	SD
		236	News 18 Rajasthan	SD
		237	News 18 Uttar Pradesh/ Uttaranchal	SD
		238	News 18 Urdu	SD
		239	News 18 Kannada	SD
240	News 18 Bangla	SD		
241	News 18 Punjab / Haryana / Himanchal Pradesh	SD		
242	News 18 Gujarati	SD		
243	News 18 Odia	SD		

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
35	TV Today Network Limited	244	Aaj Tak	SD
		245	India Today	SD
		246	AAJ Tak HD	HD
		247	AAJ Tak Tez	SD
36	Viacom 18 Media Private Limited	248	Colors	SD
		249	Comedy Central (HD)	HD
		250	MTV	SD
		251	NICK	SD
		252	NICK JR	SD
		253	SONIC	SD
		254	VH 1 (HD Distribution)	HD
		255	Colors Infinity HD	HD
		256	Colors Infinity	SD
		257	Colors HD	HD
		258	NICKS HD+	HD
		259	Colors Cineplex	SD
		260	MTV Beats	SD
		261	Colors Kannada HD	HD
		262	Colors Marathi HD	HD
		263	Colors Bangla HD	HD
		264	Colors Super	SD
		265	Colors Bangla	SD
		266	Colors Gujarati	SD
		267	Colors Kannada	SD
		268	Colors Marathi	SD
		269	Colors Oriya	SD
		270	MTV Beats HD	HD
		271	Colors Tamil	SD
		272	Colors Cineplex HD	HD
273	VH 1	SD		
274	Colors Tamil HD	HD		
275	MTV HD+	HD		

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		276	Colors Rishtey	SD
		277	Colors Kannada Cinema	SD
		278	Colors Gujarati Cinema	SD
		279	Comedy Central	SD
		280	Rishtey Cineplex	SD
		281	Colors Bangla Cinema	SD
37	Zee Akaash News Private Limited	282	Zee 24 Ghanta	SD
38	Zee Entertainment Enterprises Limited	283	Zee Bollywood	SD
		284	Zee Action	SD
		285	Zee Bangla Cinema	SD
		286	Zee Café HD	HD
		287	Zee Café	SD
		288	Zee Cinema	SD
		289	Zee Talkies	SD
		290	Zee TV	SD
		291	Zing	SD
		292	& Picture	SD
		293	Zee Bangla	SD
		294	Zee Marathi	SD
		295	Zee Zest	SD
		296	Zee TV HD	HD
		297	Zee Cinema HD	HD
		298	& TV	SD
		299	& TV HD	HD
		300	Zee Kannada	SD
		301	Zee Telugu	SD
		302	& Pictures HD	HD
		303	Zee Cinemalu	SD
		304	Zee Yuva	SD
		305	Zee Marathi HD	HD
		306	& Prive HD	HD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		307	Zee Bangla HD	HD
		308	Zee Tamil HD	HD
		309	Zee Cinemalu HD	HD
		310	Zee Telugu HD	HD
		311	Zee Tamil	SD
		312	Zee Kannada HD	HD
		313	Zee Anmol Cinema	SD
		314	& Flix HD	HD
		315	& Flix	SD
		316	Zee Keralam HD	HD
		317	Zee Keralam	SD
		318	Zee Vajwa	SD
		319	Zee Anmol	SD
		320	Big Magic	SD
		321	Big Ganga	SD
		322	Zee Classic	SD
		323	&Xplore HD	HD
		324	ZEE Sarthak	SD
		325	Zee Talkies HD	HD
		326	Zee Punjabi	SD
		327	Zee Thirai	SD
		328	Zee Picchar	SD
		329	Zee Biskope	SD
39	Zee Media Corporation Limited	330	Zee 24 Taas	SD
		331	Zee Odisha	SD
		332	Zee Business	SD
		333	Zee Punjab Haryana Himachal	SD
		334	Zee Madhya Pradesh Chattisgarh	SD
		335	Zee Salaam	SD
		336	Zee 24 Kalak	SD
		337	WION	SD

S.No	Name of the broadcaster	Sl. No	Name of the channel	Declared as SD or HD
		338	Zee Uttar Pradesh Uttrakhand	SD
		339	Zee Hindustan	SD
		340	Zee Bihar Jharkhand	SD
		341	Zee News	SD
		342	Zee Rajasthan News	SD
40	Zoom Entertainment Network Limited	343	Movies Now	SD
41	Sidharth Broadcasting Private Limited	344	Sidharth TV	SD
42	Sarthak Music Private Limited	345	Sidharth Bhakti	SD
		346	Sidharth Gold	SD

List of Major MSOs / HITS Operators

- 1. M/s. Siti Networks Limited.,**
1st Floor, FC-09, Gate No.03,
Sector-16-A Film City,
Noida-201301,
Tel: 0120-4526700
Website : www.sitinetnetworkslimited
Toll Free No. 1800 1234 001

- 2. M/s Den Networks Limited.**
236, Ground Floor, Okhla Industrial Estate,
Phase-III, New Delhi-110020
Website: www.den-networks.com
Toll Free No. 1800 419 2020

- 3. M/s Hathway Digital Private Limited.**
805/606, 8th Floor, Windsor
Off CST Road, Kalina, Santacruz (East),
Mumbai-400098 (Maharashtra)
PH: 022-26001306,
Fax No: 022-26001307
Website : www.hathway.com
Toll Free No. 1800 4197 900

- 4. M/s GTPL Hathway.**
202, 2nd Floor,
Sahajanad Shopping Center
Opp. Swaminarayan Mandir
Shahibaug, Ahmedabad-38004
Ph: 079-30280340 / 41, 079-25626476 / 77
Website : www.gtpl.net
Toll Free No. 1800-419-0419

- 5. M/s NXT Digital Limited.**
IN Centre, 49/50 MIDC
12th Road, Andheri
MUMBAI-400093 (Maharashtra)
Ph: 022-28208585
Website : www.nxtdigital.co.in
Toll Free No. 18602120400 18002100400

- 6. M/s NXT Digital Limited (HITS)**
IN Centre, 49/50 MIDC
12th Road, Andheri
MUMBAI-400093 (Maharashtra)
Ph: 022-28208585
Website : www.nxtdigital.co.in
Toll Free No. 18602120400 18002100400
- 7. M/s Fastway Transmission Pvt. Ltd..**
SCO-16-17, Top Floor
Sector-34-A, Chandigarh
Ph: 0161-4044444
Website : www.fastway.in
Toll Free No. 18001026602
- 8. M/s Tamil Nadu ARASU Cable TV Corporation Ltd.**
11/22, Mangadusamy Street, Nungambakkam,
Chennai-600034
Ph: 044-2843 2911
Fax : 044-2843 2913
Website : www.tactv.in
Toll Free No. 1800 425 2911
- 9. M/s Kerala Communicators Cable Ltd.**
CC -22/491, Girnar, Kadavanthara,
Cochin-682020 (Kerala)
Ph: 0484-2316441
Website : www.kccl.tv
Toll Free No. 18004195755
- 10. M/s Thamizhaga Cable TV Communication Pvt. Ltd.**
Old No. 150, New No. 48, Sami Naicken Street,
Chinthadripet, Chennai-600002 (T.N.)
Ph: 044-49272222
Website : www.tccl.co.in
Toll Free No. 1800-102-9845
- 11. M/s Asianet Digital Network Pvt. Network**
2A, 2nd Floor, Leela Infopark
Technopark, Kazahakuttom,
Thiruvananthapuram-695581 (Kerala)
Ph: 0471-2700995
Fax : 0471-2527878
Website : www.asianetdigital.co.in
Toll Free No. 1800 425 4725

- 12. M/s Kal Cable Private Ltd.**
No. 229, Kutchery Road, Mylapore,
Chennai-600004 (T.N.)
Ph: 044-49616161
Fax : 044-49616171
Website : www.scv.in
Toll Free No. 1800-102-0728
- 13. M/s V.K. Digital Network Pvt. Ltd.**
3-A-29, Willow Crest,
6th Main Road, R.A. Puram,
Chennai-600029 (T.N.)
Ph: 044-4242 8282
Website : www.vkdigital.co.in
Toll Free No. 18004199908

List of Pay DTH Operators

- 1. M/s. Tata Sky Ltd.,**
Tata Communications Complex,
Mandi Road, PO Chattarpur,
New Delhi – 110 074
Tel: 011-6616 3000
Fax-022-6616 3030
Website : www.tatasky.com
Toll Free No. 18002086633

- 2. M/s Dish TV India Ltd.**
FC-19, Sector-16A, Film City,
Noida-201301
Tel: 91-120-2467005 / 2467000
Fax: 91-120-4357082
Toll Free No. 18002583474 (Dish), 1800212212 (d2h)
Website : www.dishtv.in

- 3. SUN Direct TV(P) Ltd.**
Murasoli Maran Towers, 73, MRC Nagar,
Main Road, MRC Nagar, Chennai – 28
PH: 044-44676767, Fax No 044-40679191
Website : www.sundirect.in
Toll Free No. 18001037575

- 4. Bharti Telemedia Ltd.**
Airtel Centre, Plot No 16,
Udyog Vihar Phase IV,
Gurgaon – 122 015
Ph: 0124-4222222
Fax : 0124-4248063
Website : www.airtel.in
Toll Free No. 18001036065

Annexure 5.4: List of 111 existing cities with operational FM Radio Channels in India, as on 30th June, 2021

S.No	City	Category	Stations
1	Agartala	D	2
2	Agra	B	4
3	Ahmedabad	A	6
4	Ahmednagar	C	4
5	Aizwal	D	3
6	Ajmer	C	4
7	Akola	C	4
8	Alappuzha	C	2
9	Aligarh	C	4
10	Allahabad	B	4
11	Amravati	C	1
12	Amritsar	B	4
13	Asansol	B	3
14	Aurangabad	C	4
15	Bareilly	C	4
16	Bengaluru	A	8
17	Bhadarwah	Others	1
18	Bharuch	D	2
19	Bhavangar	C	2
20	Bhopal	B	4
21	Bhubaneshwar	C	4
22	Bikaner	C	4
23	Bilaspur	C	3
24	Chandigarh	C	4
25	Chennai	A+	7
26	Coimbatore	B	4
27	Dehradun	C	1
28	Delhi	A+	9
29	Dhule	C	3
30	Dhubri	Others	1

S.No	City	Category	Stations
31	Durg-Bhillaina	D	1
32	Erode	C	2
33	Gangtok	D	2
34	Godhara	D	1
35	Gorakhpur	C	4
36	Gulbarga	C	1
37	Guwahati	C	4
38	Gwalior	C	4
39	Haflong	Others	1
40	Hissar	D	4
41	Hubli - Dharwad	C	2
42	Hyderabad	A	8
43	Indore	B	4
44	Itanagar	D	2
45	Jabalpur	B	4
46	Jaipur	A	6
47	Jalandhar	C	4
48	Jalgaon	C	4
49	Jammu	C	4
50	Jamnagar	C	2
51	Jamshedpur	B	4
52	Jhansi	C	4
53	Jodhpur	C	4
54	Junagarh	D	2
55	Kannur	C	3
56	Kanpur	A	6
57	Karnal	D	3
58	Kathua	Others	2
59	Kochi	B	4
60	Kolhapur	C	4
61	Kolkata	A+	7
62	Kota	C	4
63	Kozhikode	C	4

S.No	City	Category	Stations
64	Lucknow	A	6
65	Madurai	B	4
66	Mangalore	C	3
67	Mehsana	D	2
68	Mumbai	A+	9
69	Muzaffarpur	C	4
70	Mysore	C	3
71	Nagpur	A	6
72	Nanded	C	3
73	Nasik	C	4
74	Nellore	C	1
75	Palampur	D	1
76	Panaji	D	2
77	Patiala	C	4
78	Patna	C	4
79	Porbandar	D	1
80	Punch	Others	2
81	Puducherry	C	4
82	Pune	A	6
83	Raigarh	D	1
84	Raipur	C	3
85	Rajahmundry	C	3
86	Rajkot	B	4
87	Ranchi	C	4
88	Rourkela	C	3
89	Salem	C	2
90	Sangli	C	4
91	Shillong	D	3
92	Shimla	D	3
93	Sholapur	C	4
94	Siliguri	C	3
95	Srinagar	C	4
96	Surat	A	6

S.No	City	Category	Stations
97	Thiruvananthapuram	C	4
98	Thoothukudi	C	2
99	Thrissur	C	3
100	Tiruchirappalli	C	3
101	Tirunelveli	C	3
102	Tirupati	C	3
103	Udaipur	C	4
104	Ujjain	C	1
105	Vadodra	B	4
106	Varanasi	B	4
107	Vellore	C	2
108	Veraval	D	1
109	Vijayawada	B	3
110	Vishakapatnam	B	3
111	Warrangal	B	3
	Total		384

Source: As reported by Private FM Radio Service Providers to TRAI

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