



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators

October–December, 2024

New Delhi, India

24th April, 2025

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Snapshot

(Data as on Q.E. 31 st December, 2024)	
Telecom Subscribers (Wireless+Wireline)	
Total Subscribers	1 189.92 Million
% change over the previous quarter	-0.06%
Urban Subscribers	662.72 Million
Rural Subscribers	527.20 Million
Market share of Private Operators	91.45%
Market share of PSU Operators	8.55%
Tele-density	84.45%
Urban Tele-density	131.37%
Rural Tele-density	58.29%
Wireless Subscribers	
Total Wireless Subscribers	1,150.66 Million
% change over the previous quarter	-0.27%
Urban Subscribers	626.43 Million
Rural Subscribers	524.23 Million
Market share of Private Operators	91.92%
Market share of PSU Operators	8.08%
Tele-density	81.67%
Urban Tele-density	124.18%
Rural Tele-density	57.96%
Total Wireless Data Usage during the quarter	56,975 PB
Number of Public Mobile Radio Trunk Services (PMRTS)	65,996
Number of Very Small Aperture Terminals (VSAT)	2,52,612
Wireline Subscribers	
Total Wireline Subscribers	39.27 Million
% change over the previous quarter	6.32%
Urban Subscribers	36.29 Million
Rural Subscribers	2.98 Million
Market share of PSU Operators	22.23%
Market share of Private Operators	77.77%
Tele-density	2.79%
Rural Tele-density	0.33%
Urban Tele-density	7.19%
No. of Village Public Telephones (VPT)	68,606
No. of Public Call Office (PCO)	13,442

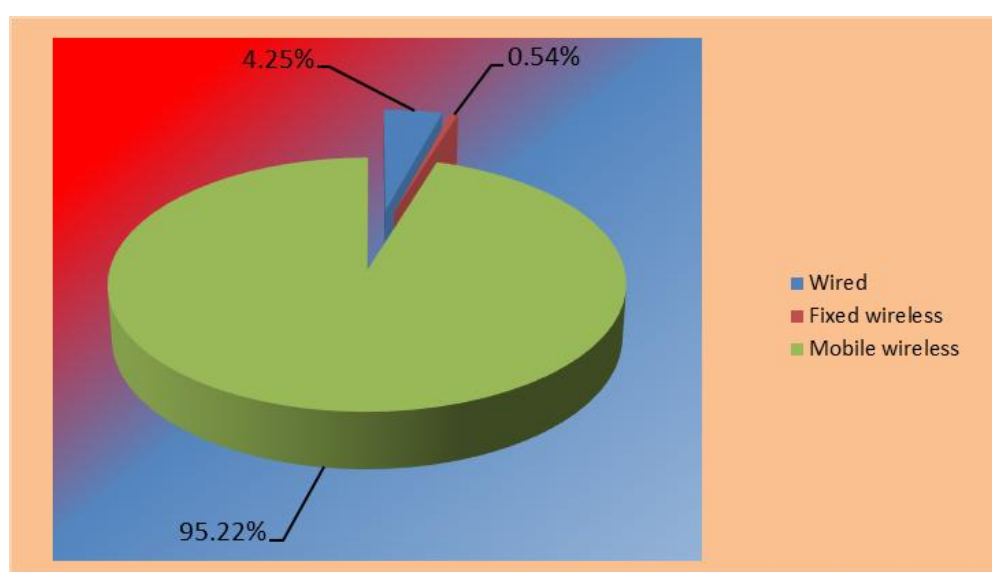
Telecom Financial Data	
Gross Revenue (GR) during the quarter	Rs. 96,390/- crore
% change in GR over the previous quarter	5.43%
Applicable Gross Revenue (ApGR) during quarter	Rs. 92,342/- crore
% change in ApGR over the previous quarter	4.65%
Adjusted Gross Revenue (AGR) during the quarter	Rs.77,934/- crore
% change in AGR over the previous quarter	3.48%
Share of Public sector undertakings in Access AGR	3.72%
Internet/Broadband Subscribers	
Total Internet Subscribers	970.16 Million
% change over previous quarter	-0.14%
Narrowband subscribers	25.20 Million
Broadband subscribers	944.96 Million
Wired Internet Subscribers	41.21 Million
Wireless Internet Subscribers	928.96 Million
Urban Internet Subscribers	563.19 Million
Rural Internet Subscribers	406.97 Million
Total Internet Subscribers per 100 population	68.86
Urban Internet Subscribers per 100 population	111.64
Rural Internet Subscribers per 100 population	44.99
Total Outgoing Minutes of Usage for Internet Telephony	87.53 Million
No. of Public Wi-Fi Hotspots	46,878
Aggregate Data Consumed (TB) for Wi-Fi Hotspots	15,714
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	914
Number of Pay TV Channels as reported by broadcasters	362
Number of private FM Radio Stations (excluding All India Radio)	388
Number of total active subscribers with pay DTH operators	58.22 Million
Number of Operational Community Radio Stations	529
Number of pay DTH Operators	4
Revenue & Usage Parameters	
Monthly ARPU of Wireless Service	Rs.181.80
Minutes of Usage (MOU) per subscriber per month - Wireless Service	1009
Wireless Data Usage	
Average Wireless Data Usage per wireless data subscriber per month	21.52 GB
Average revenue realization per GB for wireless data usage during the quarter	Rs.9.34

* For ARPU explanation please refer to footnote on Page 57

Executive Summary

1. Total number of Internet¹ subscribers decreased from 971.50 million at the end of Sep-24 to 970.16 million at the end of Dec-24, registering a quarterly rate of decline 0.14%. Out of 970.16 million internet subscribers, number of Wired Internet subscribers are 41.21 million and number of Wireless Internet subscribers are 928.96 million.

Composition of internet subscription



2. The Internet subscriber base is comprised of Broadband² Internet subscriber base of 944.96 million and Narrowband Internet subscriber base of 25.20 million.
3. The broadband Internet subscriber base increased by 0.06% from 944.39 million at the end of Sep-24 to 944.96 million at the end of Dec-24. The narrowband Internet subscriber base decreased from 27.11 million at the end of Sep-24 to 25.20 million at the end of Dec-24.

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

² Broadband: Broadband is a data connection that is able to support interactive services including Internet access and has the capability of the minimum download speed of 2 Mbps to an individual subscriber from the point of presence (POP) of the service provider intending to provide Broadband service..

4. Wireline subscribers increased from 36.93 million at the end of Sep-24 to 39.27 million at the end of Dec-24 with a quarterly rate of growth 6.32% and, on Y-O-Y basis, wireline subscriptions also increased by 23.32% at the end of QE Dec-24.
5. Wireline Tele-density increased from 2.63% at the end of Sep-24 to 2.79% at the end of Dec-24 with quarterly rate of growth 6.09%.
6. Monthly Average Revenue per User (ARPU)³ for wireless service increased by 5.34%, from Rs.172.57 in QE Sep-24 to Rs.181.80 in QE Dec-24. On Y-O-Y basis, monthly ARPU for wireless service increased by 19.17% in this quarter.
7. The ARPU per month for the pre-paid segment is Rs.180.91 and for the post-paid segment is Rs.191.51 in Q.E. Dec-2024.
8. On an all-India average, the overall MOU per month Increased by 3.62% from 974 in Q.E. Sep 2024 to 1009 in Q.E. Dec 2024.
9. Prepaid MOU per subscriber is 1053 and Postpaid MOU per subscriber per month is 526 in QE Dec-24.
10. Gross Revenue⁴ (GR), Applicable Gross Revenue (ApGR) and Adjusted Gross Revenue⁵ (AGR) of Telecom Service Sector for the

³ ARPU per month is calculated by dividing net subscribers' revenue by average number of subscribers.

⁴ 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.

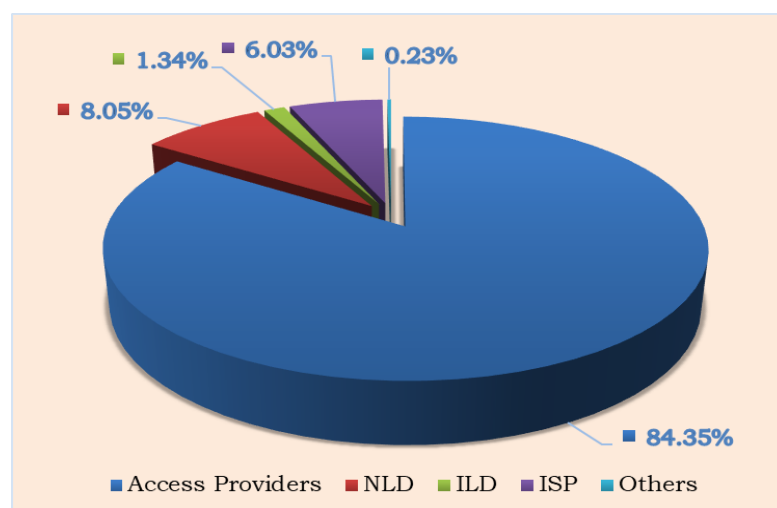
⁵ Adjusted Gross Revenue: The following shall be excluded from the Gross Revenue to arrive at the AGR:

- 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

Q.E. Dec-24 has been Rs.96,390 Crore, Rs.92,342 crore and Rs.77,934 Crore respectively. GR increased by 5.43%, ApGR increased by 4.65% and AGR increased by 3.48% in Q.E. Dec-24, as compared to previous quarter.

11. The Y-O-Y rate of growth in GR, ApGR and AGR in Q.E. Dec-24 over the same quarter in last year has been 14.07%, 13.86% and 14.89% respectively.
12. Pass Through Charges increased from Rs.12,926 Crore in QE Sep-24 to Rs.14,410 Crore in QE Dec-24 with quarterly rate of growth by 11.48%. The Y-O-Y rate of growth 7.12% has been recorded in pass-through charges for QE Dec-24.
13. The License Fee⁶ increased from Rs.6,023 Crore for the QE Sep-24 to Rs.6,234 Crore for the QE Dec-24. The quarterly and the Y-O-Y rates of growth in license fees are 3.50% and 14.75% respectively in this quarter.

Service-wise composition of Adjusted Gross Revenue

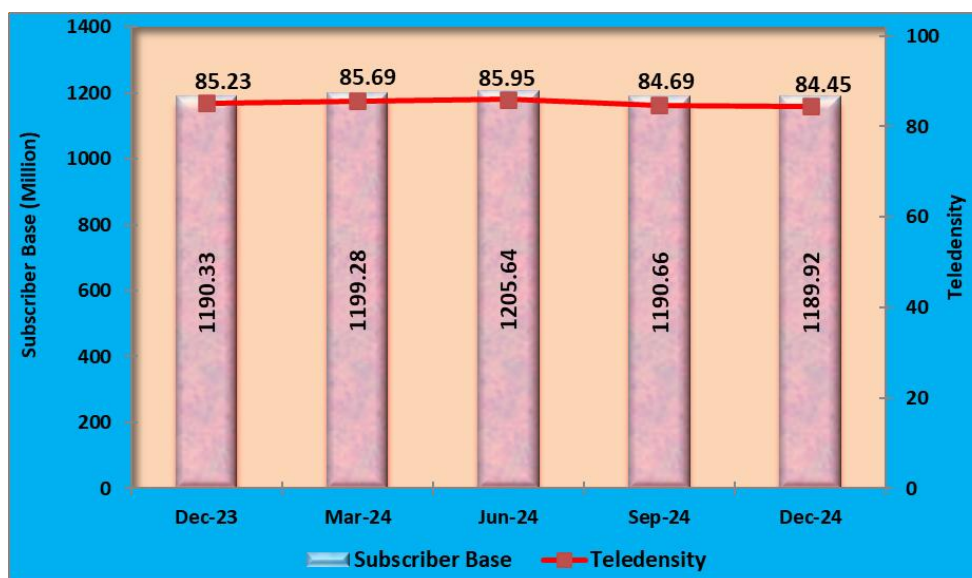


III. Service Tax on provision of service and Sales Tax actually paid to the Government if gross revenue had included as component of Sales Tax and Service Tax

⁶ License Fee means a fee payable by Licensee at prescribed intervals and rates for the period of the Licence.

14. Access services contributed 84.35% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR), Applicable Gross Revenue (ApGR), Adjusted Gross Revenue (AGR), License Fee, Spectrum Usage Charges (SUC)⁷ and Pass Through Charges increased by 4.87%, 4.52%, 4.30%, 4.28%, 4.62% and 5.96% respectively in QE Dec-24.
15. The number of telephone subscribers in India decreased from 1,190.66 million at the end of Sep-24 to 1,189.92 million at the end of Dec-24, registering a rate of decline 0.06% over the previous quarter. This reflects Year-On-Year (Y-O-Y) rate of decline 0.03% over the same quarter of the last year. The overall Tele-density in India decreased from 84.69% as in QE Sep-24 to 84.45% as in QE Dec-24.

Trends in Telephone subscribers and Tele-density in India



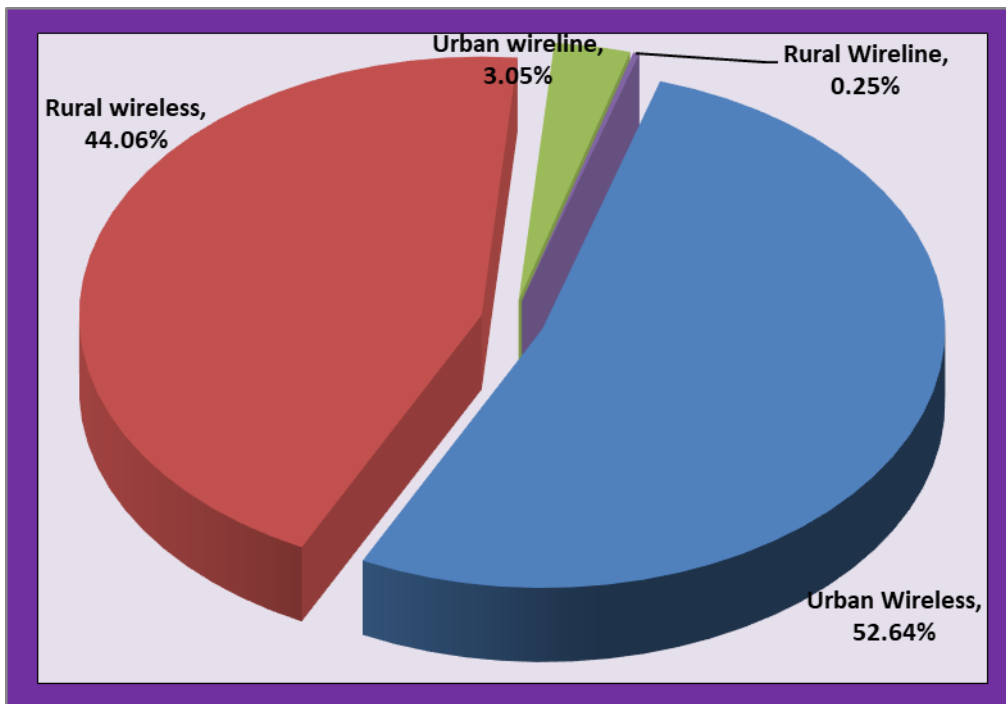
16. Telephone subscribers in Urban areas increased from 662.15 million at the end of Sep-24 to 662.72 million at the end of Dec-24 however Urban Tele-density decreased from 131.86% to 131.37% during the same period.

⁷ 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)

17. Rural telephone subscribers decreased from 528.51 million at the end of Sep-24 to 527.20 million at the end of Dec-24 and Rural Tele-density also decreased from 58.48% to 58.29% during the same period.
18. Out of the total subscription, the share of Rural subscription decreased from 44.39% at the end of Sep-24 to 44.31% at the end of Dec-24.

Composition of Telephone Subscribers



19. With a net loss of 3.07 million subscribers during the quarter, the total wireless subscriber base decreased from 1153.72 million at the end of Sep-24 to 1150.66 million at the end of Dec-24, registering a rate of decline 0.27% over the previous quarter. On Y-O-Y basis, wireless subscriptions decreased at the rate of 0.68% during the year.
20. Wireless Tele-density decreased from 82.07% at the end of Sep-24 to 81.67% at the end of Dec-24 with quarterly rate of decline of 0.49%.

21. During this quarter, the following parameters in terms of QoS benchmarks have been fully complied by wireline service providers: -

- i. Point of Interconnection (POI) Congestion (90th percentile value) $\leq 0.5\%$

22. During this quarter, list of QoS parameters which are fully complied by all the Access Service (Wireless) providers in all the LSAs: -

S.No.	Parameter	Benchmark
1	Percentage of significant network outage (services not available in a district for more than 4 hours) reported to the Authority within 24 hrs of start of the outage	100%
2	Point of Interconnection (POI) Congestion (90th percentile value)	$\leq 0.5\%$
3	Latency (in 4G and 5G network)	≤ 75 msec
4	Packet Drop Rate (in 4G and 5G network)	$\leq 3\%$
5	Billing and charging complaints	$\leq 0.1\%$
6	Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	100%
7	Accessibility of call centre/ customer care	$\geq 95\%$
8	Termination/ closure of service within seven working days of receipt of customer's request	100%
9	Refund of deposits within 45 days of closure of service or non-provisioning of service	100%

23. A total of approximately 914 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking only/both uplinking & downlinking.

24. As per the reporting done by broadcasters in pursuance of the Tariff Order dated 3rd March 2017, as amended, out of 904 permitted satellite TV channels which are available for

downlinking in India, there are 362 satellite pay TV channels as on 31st December, 2024. Out of 362 pay channels, 258 are SD satellite pay TV channels and 104 are HD satellite pay TV channels.

25. During the QE 31st December 2024, there were 4 pay DTH service providers in the country.
26. Pay DTH has attained total active subscriber base of around 58.22 million. This is in addition to the subscribers of the DD Free Dish (free DTH services of Doordarshan). The total active subscriber base has decreased from 59.91 million in September 2024 to 58.22 million in December 2024.
27. Apart from the radio channels operated by All India Radio – the public broadcaster, as per the data reported by FM Radio operators to TRAI, as on 31st December 2024, there are 388 operational private FM Radio channels in 113 cities operated by 36 private FM Radio operators. As compared to the previous quarter, there is no change in the number of operational private FM Radio channels, cities and FM Radio operators.
28. The advertisement revenue reported by FM Radio operators during the quarter ending 31st December 2024 in respect of 388 private FM Radio channels is Rs.500.11 crore as against Rs.423.52 crore in respect of 388 private FM Radio channels for the previous quarter.
29. As on 31st December, 2024, 529 Community Radio stations are operational.

Trends at a Glance

A. Access Service (Wireline + Wireless)									
	QE Dec 2023	QE Mar 2024	QE Jun 2024	QE Sep 2024	QE Dec 2024	%age change over Dec-2023	%age change over Mar-2024	%age change over Jun-2024	%age change over Sep-2024
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber Base (in million)									
Wireline	31.84	33.79	35.11	36.93	39.27	23.32%	16.21%	11.85%	6.32%
Wireless	1158.49	1165.49	1170.53	1153.72	1150.66	-0.68%	-1.27%	-1.70%	-0.27%
Total	1190.33	1199.28	1205.64	1190.66	1189.92	-0.03%	-0.78%	-1.30%	-0.06%
Rural	527.77	533.90	538.51	528.51	527.20	-0.11%	-1.25%	-2.10%	-0.25%
Urban	662.56	665.38	667.13	662.15	662.72	0.02%	-0.40%	-0.66%	0.09%
2) Tele-density									
Wireline	2.28	2.41	2.50	2.63	2.79	22.24%	15.44%	11.36%	6.09%
Wireless	82.95	83.27	83.45	82.07	81.67	-1.55%	-1.93%	-2.13%	-0.49%
Total	85.23	85.69	85.95	84.69	84.45	-0.92%	-1.44%	-1.74%	-0.28%
Rural	58.56	59.19	59.65	58.48	58.29	-0.47%	-1.52%	-2.28%	-0.34%
Urban	133.76	133.72	133.46	131.86	131.37	-1.78%	-1.75%	-1.56%	-0.37%
3) Service Provider wise Subscribers Base (in Million) (wireless+wireline)									
Reliance Jio	470.86	481.77	489.72	478.78	482.09	2.39%	0.07%	-1.56%	0.69%
Bharti Airtel	390.04	394.54	398.07	392.80	395.15	1.31%	0.16%	-0.73%	0.60%
Vodafone Idea	223.74	220.60	218.12	213.32	208.10	-6.99%	-5.67%	-4.59%	-2.45%
BSNL	98.10	94.75	92.14	98.23	98.00	-0.10%	3.43%	6.36%	-0.24%
MTNL	4.15	4.10	4.06	3.98	3.05	-26.67%	-25.79%	-25.01%	-23.49%
Tata Tele.	2.24	2.29	2.31	2.36	2.36	5.47%	3.26%	2.16%	-0.10%
Reliance Com.	0.13	0.13	0.12	0.12	0.11	-14.42%	-9.69%	-7.28%	-2.37%
Quadrant	0.39	0.41	0.38	0.36	0.35	-10.59%	-14.18%	-6.53%	-0.73%
STPL	0.02	0.05	0.07	0.06	0.07	205.29%	23.01%	-3.56%	2.30%
APFSPL	0.65	0.64	0.64	0.64	0.63	-2.35%	-1.73%	-1.05%	-0.90%
Total	1190.33	1199.28	1205.64	1190.66	1189.92	-0.03%	-0.78%	-1.30%	-0.06%

B. Internet Services									
	QE Dec 2023	QE Mar 2024	QE Jun 2024	QE Sep 2024	QE Dec 2024	%age change over Dec-2023	%age change over Mar-2024	%age change over Jun-2024	%age change over Sep-2024
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
A. Wired Internet Subscribers	38.57	40.27	42.04	43.64	41.21	6.83%	2.32%	-1.99%	-5.57%
B. Wireless Internet Subscribers	897.59	914.13	927.56	927.86	928.96	3.49%	1.62%	0.15%	0.12%
i. Mobile Wireless (Mobile & Dongle)	896.68	913.34	926.86	926.87	923.75	3.02%	1.14%	-0.34%	-0.34%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.91	0.79	0.70	0.99	5.21	473.06%	556.92%	640.46%	426.52%
Total Internet Subscribers	936.16	954.40	969.60	971.50	970.16	3.63%	1.65%	0.06%	-0.14%
2) No. of Internet Subs per 100 Population	67.03	68.19	69.12	69.10	68.86	2.72%	0.98%	-0.38%	-0.36%
C. Usage and Revenue for Wireless Services									
Traffic (MOU) (minutes of uses/subscriber/month)	955	995	974	974	1009	5.72%	1.44%	3.68%	3.62%
ARPU (Rs./sub/month)	152.55	153.54	157.45	172.57	181.80	19.17%	18.40%	15.46%	5.34%
D. Telecom Financial Data									
	QE Dec 2023	QE Mar 2024	QE Jun 2024	QE Sep 2024	QE Dec 2024	%age change over Dec-2023	%age change over Mar-2024	%age change over Jun-2024	%age change over Sep-2024
						(12 months)	(9 months)	(6 months)	(3 months)
1. Telecom Sector									
i) Gross Revenue (Rs.in Crores)	84500	87926	86031	91426	96390	14.07%	9.63%	12.04%	5.43%
ii) Applicable Gross Revenue (ApGR)	81101	83945	83087	88236	92342	13.86%	10.00%	11.14%	4.65%
ii) Adjusted Gross Revenue (Rs. in Crores)	67835	70462	70555	75310	77934	14.89%	10.60%	10.46%	3.48%
2. Access Services									
Adjusted Gross Revenue (Rs. in Crores)	55670	56540	58140	63028	65739	18.09%	16.27%	13.07%	4.30%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending 31st December, 2024. 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, Advisor (F&EA), TRAI may be contacted on Tel. +91-20907773 and e-mail: advfeal@traigov.in.

Chapter 1 :

Subscription Data

-
- 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'.

Section A : Access Service - An Overview

- 1.1 The number of telephone subscribers in India decreased from 1,190.66 million at the end of Sep-24 to 1,189.92 million at the end of Dec-24, registering a rate of decline 0.06% over the previous quarter. This reflects year-on-year (Y-O-Y) rate of decline 0.03% over the same quarter of last year. The overall Tele-density in India decreased from 84.69% as on 30th September, 2024 to 84.45% as on 31st December, 2024 with quarterly rate of decline 0.28%.

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

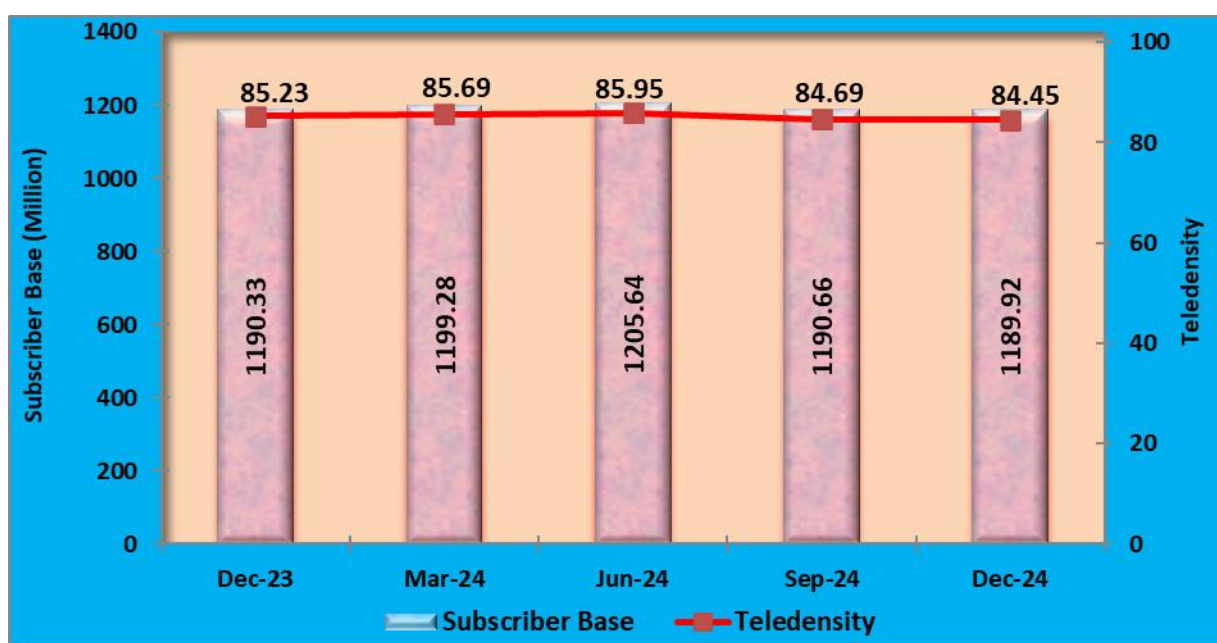
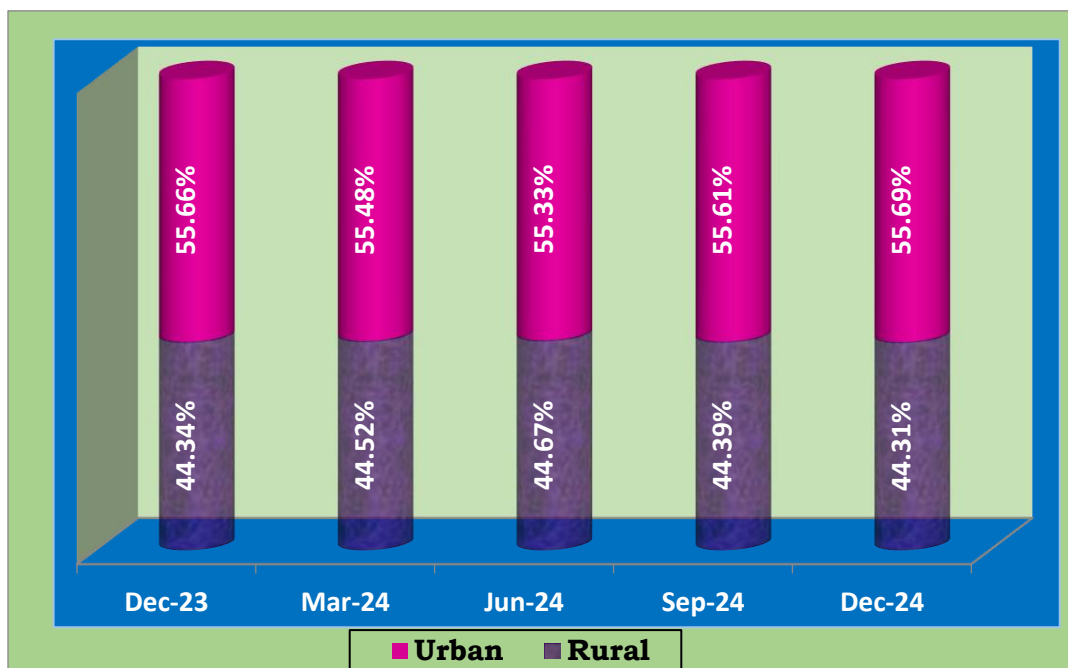


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density (%)	
	Rural	Urban	Rural	Urban
Dec-23	527.77	662.56	58.56	133.76
Mar-24	533.90	665.88	59.19	133.72
Jun-24	538.51	667.13	59.65	133.46
Sep-24	528.51	662.15	58.48	131.86
Dec-24	527.20	662.75	58.29	131.37

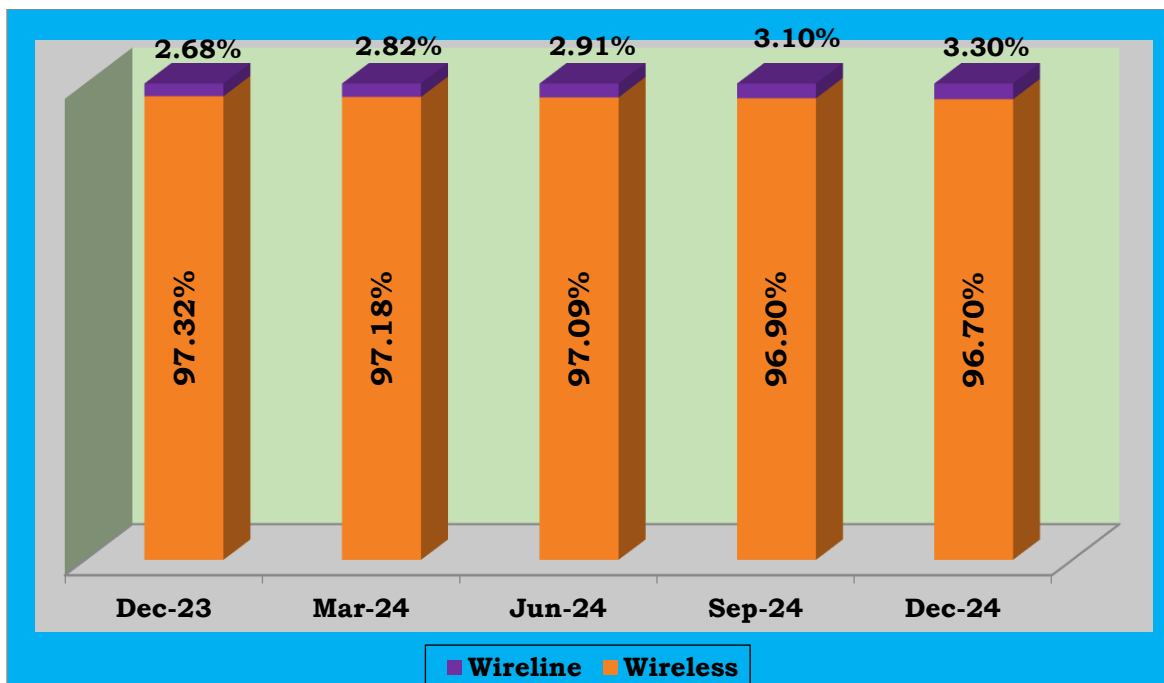
- 1.2 Telephone subscription in Urban areas increased from 662.15 million at the end of Sep-24 to 662.75 million at the end of Dec-24, however Urban Tele-density decreased from 131.86% to 131.37% at the end of the quarter.
- 1.3 Rural telephone subscription decreased from 528.51 million at the end of Sep-24 to 527.20 million at the end of Dec-24 and Rural Tele-density also decreased from 58.48% to 58.29% at the end of the quarter.
- 1.4 The Y-O-Y rates of growth in Urban and Rural telephone subscriptions from Dec-23 to Dec-24 are 0.02% and -0.11% respectively. The Y-O-Y rates of growth in Urban and Rural Tele-density from Dec-23 to Dec-24 are -1.78% and -0.47% respectively.

Chart 1.2: Market Share - Rural & Urban Subscribers



- 1.5 Share of subscriptions of rural areas in the total telephone subscriptions decreased from 44.39% at the end of Sep-24 to 44.31% at the end of Dec-24.

Chart 1.3: Composition of Access subscription - Wireline & Wireless



- 1.6 Share of wireline subscription in total telephone subscription increased from 3.10% at the end of Sep-24 to 3.30% at the end of Dec-24.

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

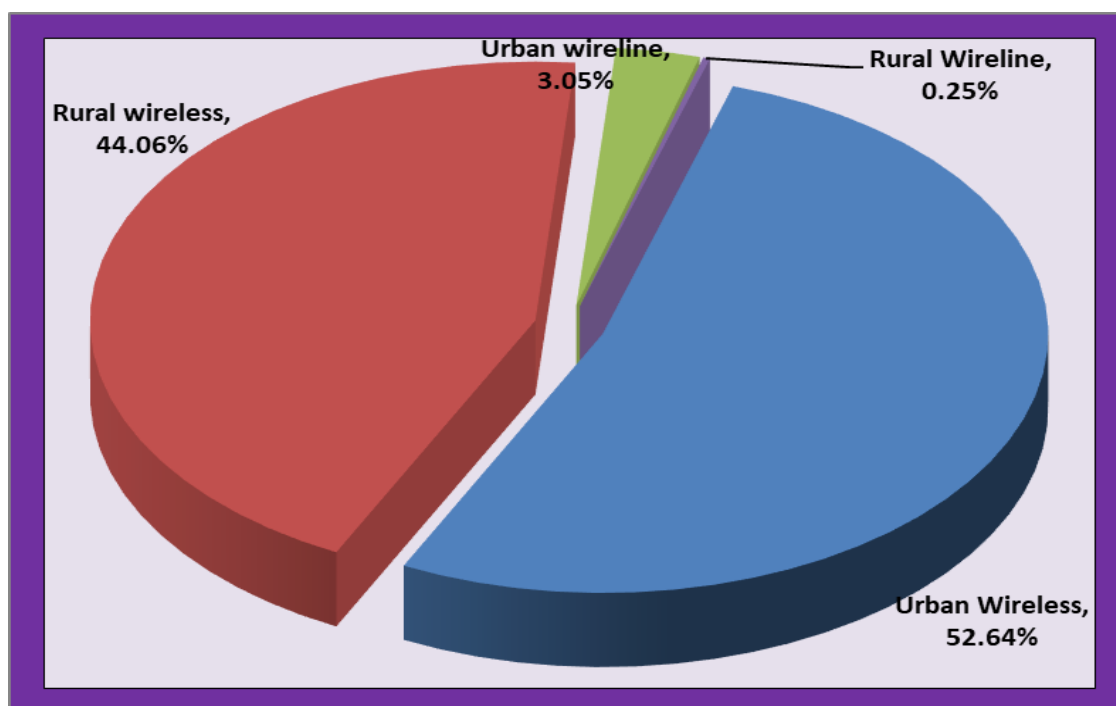


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

Service Area	Subscribers (million)			
	Sep-24	Dec-24	Net Additions	Rate of Growth
Andhra Pradesh	86.58	86.68	0.10	0.12%
Assam	26.35	26.49	0.14	0.53%
Bihar	95.84	96.23	0.39	0.41%
Delhi	61.23	60.58	-0.64	-1.05%
Gujarat	66.89	66.92	0.03	0.04%
Haryana	26.83	26.68	-0.15	-0.55%
Himachal Pradesh	9.02	9.03	0.00	0.02%
Jammu & Kashmir	12.81	12.64	-0.17	-1.30%
Karnataka	70.61	71.64	1.03	1.46%
Kerala	43.09	42.94	-0.15	-0.35%
Madhya Pradesh	82.07	81.96	-0.12	-0.14%
Maharashtra	93.71	92.83	-0.88	-0.94%
Mumbai	37.36	37.39	0.03	0.07%
North East	12.70	12.75	0.05	0.40%
Odisha	34.65	34.96	0.31	0.89%
Punjab	36.04	35.88	-0.16	-0.44%
Rajasthan	65.95	65.59	-0.35	-0.53%
Tamil Nadu	80.85	80.59	-0.26	-0.33%
Uttar Pradesh(E)	102.44	102.83	0.39	0.38%
Uttar Pradesh(W)	64.06	63.92	-0.14	-0.22%
Kolkata	23.86	23.71	-0.16	-0.66%
West Bengal	57.69	57.67	-0.02	-0.04%
All India	1,190.66	1,189.92	-0.73	-0.06%

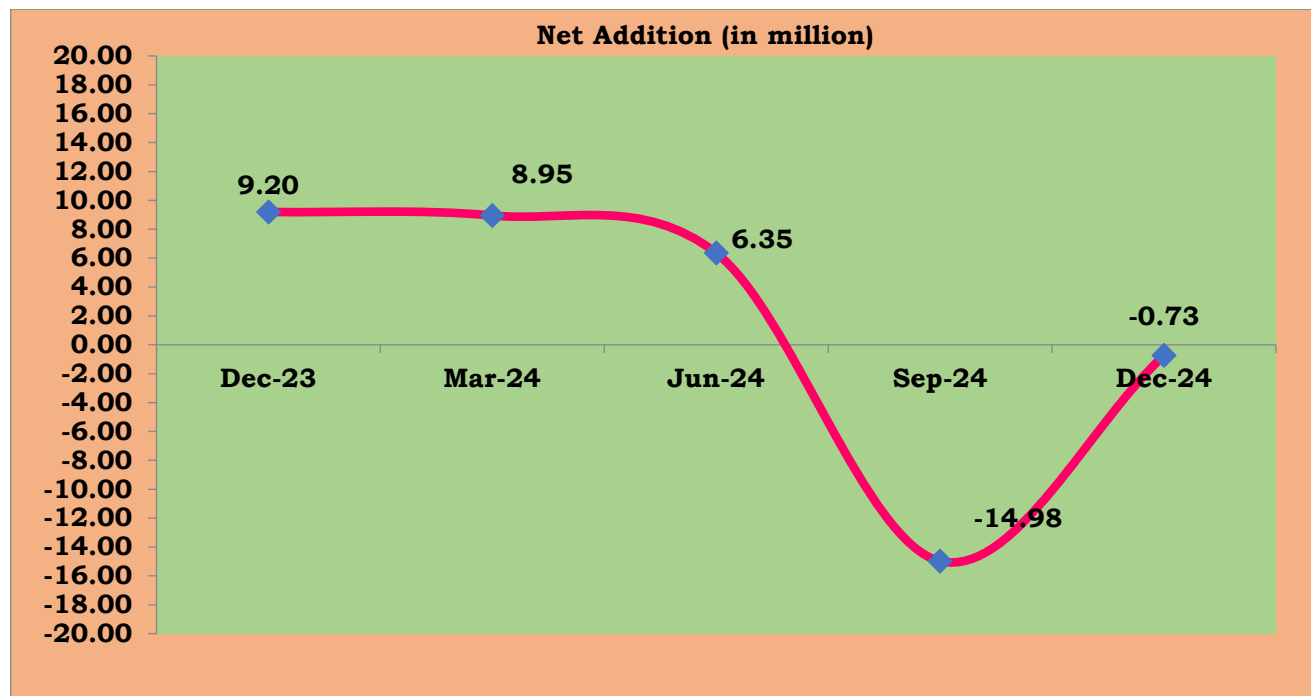
- 1.7 Most of the service areas have shown declined rate in their subscriber base during the quarter ending Dec-24. Jammu & Kashmir service area showed maximum decline of 1.30% during the quarter ending Dec-24.

Table 1.3: Service Area wise Rural-Urban Subscribers at QE Dec-24

Service Area	Number of Subscribers (in million)			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	86.68	40.97	45.72	47.26%
Assam	26.49	17.01	9.48	64.20%
Bihar	96.23	63.43	32.81	65.91%
Delhi	60.58	1.97	58.61	3.25%
Gujarat	66.92	24.88	42.04	37.18%
Haryana	26.68	11.82	14.86	44.29%
Himachal Pradesh	9.03	5.79	3.24	64.16%
Jammu & Kashmir	12.64	6.07	6.57	48.04%
Karnataka	71.64	25.93	45.70	36.20%
Kerala	42.94	18.76	24.18	43.68%
Madhya Pradesh	81.96	37.99	43.97	46.35%
Maharashtra	92.83	40.73	52.10	43.88%
Mumbai	37.39	1.41	35.98	3.77%
North East	12.75	6.68	6.07	52.38%
Odisha	34.96	22.80	12.17	65.20%
Punjab	35.88	11.71	24.17	32.64%
Rajasthan	65.59	35.06	30.54	53.44%
Tamil Nadu	80.59	24.29	56.29	30.14%
U.P.(E)	102.83	63.06	39.77	61.33%
U.P.(W)	63.92	30.56	33.36	47.81%
Kolkata	23.71	1.59	22.11	6.72%
West Bengal	57.67	34.69	22.98	60.16%
All India	1,189.92	527.20	662.75	44.31%

- 1.8 Only eight service areas have more than 50% share of rural subscribers in their total number of subscribers. Bihar service area has maximum share of rural subscribers of 65.91% in its total telephone subscribers.

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



- 1.9 The net decrease in telephone subscription is 0.73 million during QE Dec-24 as compared to the net decrease of 14.98 million during QE Sep-24.

Table 1.4 : Service Area wise Tele-density

Service Area/ States	As on 30 th September, 2024			As on 31 st December, 2024		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
Andhra Pradesh	77.36	117.39	94.29	77.46	117.13	94.31
Assam	55.37	165.48	72.72	55.60	165.41	72.93
Bihar	44.16	121.97	56.40	44.16	122.13	56.44
Delhi	-	-	278.55	-	-	274.38
Gujarat	67.73	112.26	90.06	67.14	112.22	89.81
Haryana	68.39	111.98	87.14	67.34	111.51	86.41
Himachal Pradesh	86.19	411.92	119.90	85.72	414.69	119.78

Service Area/ States	As on 30 th September, 2024			As on 31 st December, 2024		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
J&K	63.30	153.01	91.09	62.52	150.24	89.75
Karnataka	68.14	145.95	103.29	69.24	147.39	104.63
Kerala	-	-	119.46	-	-	118.92
Madhya Pradesh	45.04	128.35	69.01	44.74	127.95	68.71
Maharashtra (incl. Mumbai)*	65.17	138.24	101.20	64.15	137.46	100.35
North East	63.43	108.44	79.48	64.98	105.85	79.62
Orissa	63.00	140.56	77.88	63.40	142.03	78.52
Punjab	65.90	168.32	111.61	65.50	167.12	110.94
Rajasthan	58.42	138.93	80.03	58.02	137.54	79.39
Tamil Nadu	68.81	130.25	102.44	68.11	129.94	102.02
Uttar Pradesh (incl. UPE & UPW)*	49.67	116.45	66.26	49.47	116.69	66.19
West Bengal (incl. Kolkata)*	57.92	118.77	80.79	57.62	118.37	80.52
All India	58.48	131.86	84.69	58.29	131.37	84.45

* 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'.
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 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.

1.10 Himachal Pradesh service area has the highest Rural Tele-density of 85.72 followed by Andhra Pradesh service area of 77.46. Bihar service area has the lowest Rural Tele-density of 44.16 followed by Madhya Pradesh service area with rural tele-density of 44.74 in QE Dec-24.

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

Sl. No.	States/UT	Total Telephone Subscription (million)		
		Total	Rural	Urban
1	Andhra Pradesh	44.61	24.28	20.33
2	Arunachal Pradesh	1.27	0.84	0.43
3	Assam	26.49	17.01	9.48
4	Bihar	71.44	49.70	21.74
5	Chhattisgarh	21.45	10.41	11.04
6	Goa	2.46	0.66	1.80
7	Gujarat	65.99	24.55	41.43
8	Haryana	36.16	12.34	23.82
9	Himachal Pradesh	9.03	5.79	3.24
10	Jharkhand	24.79	13.73	11.07
11	Karnataka	71.64	25.93	45.70
12	Kerala	42.87	18.73	24.13
13	Madhya Pradesh	60.51	27.58	32.93
14	Maharashtra Incl. Mumbai	127.76	41.48	86.28
15	Manipur	2.46	1.00	1.46
16	Meghalaya	2.66	1.68	0.98
17	Mizoram	1.40	0.54	0.86
18	Nagaland	1.71	0.89	0.82
19	Odisha	34.96	22.80	12.17
20	Punjab	33.68	11.67	22.01
21	Rajasthan	65.59	35.06	30.54
22	Sikkim	0.79	0.49	0.30
23	Tamil Nadu	79.11	23.91	55.20
24	Telangana	42.08	16.69	25.39
25	Tripura	3.26	1.73	1.52
26	Uttar Pradesh (UPE + UPW)	166.21	88.36	77.85
27	Uttarakhand	12.52	6.29	6.23
28	West Bengal Incl. Kolkata	80.06	35.53	44.53
Union Territories				
1	Andaman & Nicobar Islands	0.52	0.27	0.26
2	Chandigarh	2.07	0.03	2.03
3	Dadra and Nagar Haveli and Daman and Diu	0.93	0.32	0.61
4	Delhi	39.25	0.43	38.82
5	Jammu & Kashmir	12.10	5.75	6.34
6	Ladakh	0.55	0.32	0.22
7	Lakshdweep	0.07	0.02	0.05
8	Puduchery	1.48	0.39	1.09
Total		1189.92	527.20	662.75

Table 1.6: State/UT wise total Tele-density

Sl.No.	State/UT	Total Tele-density (%)		
		Total	Rural	Urban
1	Andhra Pradesh	83.39	72.73	101.09
2	Arunachal Pradesh	80.05	71.77	103.54
3	Assam	72.93	55.60	165.41
4	Bihar	54.90	43.61	134.48
5	Chhattisgarh	69.62	46.74	129.32
6	Goa	154.56	185.36	145.72
7	Gujarat	90.29	66.70	114.23
8	Haryana	117.13	70.34	178.72
9	Himachal Pradesh	119.78	85.72	414.69
10	Jharkhand	61.40	46.25	103.47
11	Karnataka	104.63	69.24	147.39
12	Kerala	118.94	248.55	84.67
13	Madhya Pradesh	68.39	44.02	127.50
14	Maharashtra Incl. Mumbai	99.68	63.50	137.30
15	Manipur	74.94	45.37	135.20
16	Meghalaya	78.12	62.23	138.90
17	Mizoram	111.26	95.70	123.76
18	Nagaland	75.22	76.19	74.19
19	Odisha	78.52	63.40	142.03
20	Punjab	108.35	65.27	166.65
21	Rajasthan	79.39	58.02	137.54
22	Sikkim	113.02	147.66	82.04
23	Tamil Nadu (incl. Chennai)	102.37	67.99	131.07
24	Telangana	109.50	85.57	134.18
25	Tripura	77.22	69.92	87.61
26	Uttar Pradesh (UPE +UPW)	69.23	48.61	133.51
27	Uttarakhand	105.63	83.89	143.05
28	West Bengal Incl. Kolkata	80.09	56.92	118.62
Union Territories				
1	Andaman & Nicobar Islands	129.42	120.21	140.64
2	Chandigarh	165.01	-	-
3	Dadra and Nagar Haveli and Daman and Diu	65.10	134.63	51.05
4	Delhi	177.76	-	-
5	Jammu & Kashmir	87.77	60.50	148.41
6	Ladakh	179.59	155.64	230.10
7	Lakshdweep	107.40	-	-
8	Puduchery	86.26	76.44	90.38
Total		84.45	58.29	131.37

Table 1.7 : Service Provider wise Growth in Subscriber base

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share in QE Sep-24 (%)	Market Share in QE Dec-24 (%)
	Sep-24	Dec-24	Net Additions			
Reliance Jio	478.78	482.09	3.31	0.69%	40.21%	40.51%
Bharti Airtel	392.80	395.15	2.35	0.60%	32.99%	33.21%
Vodafone Idea Ltd	213.32	208.10	-5.22	-2.45%	17.92%	17.49%
BSNL	98.23	98.00	-0.23	-0.24%	8.25%	8.24%
MTNL	3.98	3.05	-0.93	-23.49%	0.33%	0.26%
Tata Teleservices	2.36	2.36	-0.002	-0.10%	0.20%	0.20%
Quadrant	0.36	0.35	-0.003	-0.73%	0.03%	0.03%
Reliance Com.	0.12	0.11	-0.003	-2.37%	0.01%	0.01%
APSFL	0.64	0.63	-0.006	-0.90%	0.05%	0.05%
VM IPL	0.06	0.07	0.001	2.30%	0.005%	0.006%
Total	1,190.66	1,189.92	-0.73	-0.06%	100	100

Note: 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 40.51% in the access segment in terms of number of subscribers with 482.09 million subscribers at the end of Dec-24 followed by M/s Bharti Airtel Ltd with 395.15 million subscribers.

1.12 In term of net addition, Reliance Jio Infocomm became the biggest gainer with net addition of 3.31 million telephone subscribers during the QE Dec-24.

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
Reliance Jio	482.09	206.93	42.92%	39.30%
Bharti Airtel	395.15	188.62	47.73%	35.82%
Vodafone Idea Ltd	208.10	99.17	47.66%	18.83%
BSNL	98.00	31.93	32.58%	6.06%
MTNL	3.05	0.02	0.62%	0.004%
Tata Teleservices	2.36	0.01	0.26%	0.001%
Quadrant	0.35	0.06	17.69%	0.012%
Reliance Com.	0.11	0.0003	0.26%	0.0001%
APSFL	0.63	0.47	74.00%	0.09%
VMIPL	0.07	-	0.00%	0.00%
Total	1,189.92	527.20	44.31%	100.00%

1.13 M/s APSFL is the telecom service provider with highest proportion of rural telephone subscribers of 74% followed by Bharti Airtel Ltd of 47.73% to their total telephone subscribers at the end of Dec-24.

Section B : Wireless Service

Table 1.9: List of Wireless Access Service Providers currently providing service

[As on 31st December, 2024]

Sl.No.	Service Provider	Licensed Service Areas
1	Reliance Jio Infocom Ltd	All India
2	Bharti Airtel Ltd	All India
3	Vodafone Idea Ltd	All India
4	BSNL	All India (except Delhi & Mumbai)
5	MTNL	Delhi & Mumbai
6	Reliance Communications Ltd	All India (except Assam & NE)

Source : DoT website

UL Access Services Licensees Virtual Network Operators (VNOs) who are providing services as on 31st December, 2024

1	AdPay Mobile Payment India Pvt. Ltd	Tamil Nadu
2	Surftelcom Private Limited	Tamil Nadu

Source : As reported by telecom service providers

- 1.14 Number of wireless subscriber base has decreased from 1,153.72 million at the end of Sep-24 to 1,150.66 million at the end of Dec-24, thereby showing a quarterly rate of decline 0.27%. During the quarter, net decrease of 3.07 million wireless subscribers has been recorded.
- 1.15 The wireless subscriber base recorded a Y-O-Y rate of decline 0.68% in QE Dec-24 over the same quarter in the previous year.
- 1.16 Wireless Teledensity in the country decreased from 82.07% at the end of Sep-24 to 81.67% at the end of Dec-24.

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
Dec-23	525.05	633.44	58.26	127.88
Mar-24	531.02	634.47	58.87	127.51
Jun-24	535.53	635	59.32	127.03
Sep-24	525.60	628.12	58.16	125.08
Dec-24	524.23	626.43	57.96	124.18

1.17 Number of Rural Wireless subscribers decreased from 525.60 million at the end of Sep-24 to 524.23 million at the end of Dec-24 and number of urban wireless subscribers also decreased from 628.12 million to 626.43 million during the quarter. Quarterly rate of decline of Rural and Urban wireless subscriptions are 0.26% and 0.27% respectively during QE Dec-24.

1.18 The share of rural wireless subscription remained same i.e. 45.56% at the end of Dec-24 which was the end of Sep-24.

Chart 1.7: Wireless Market Share - Rural & Urban

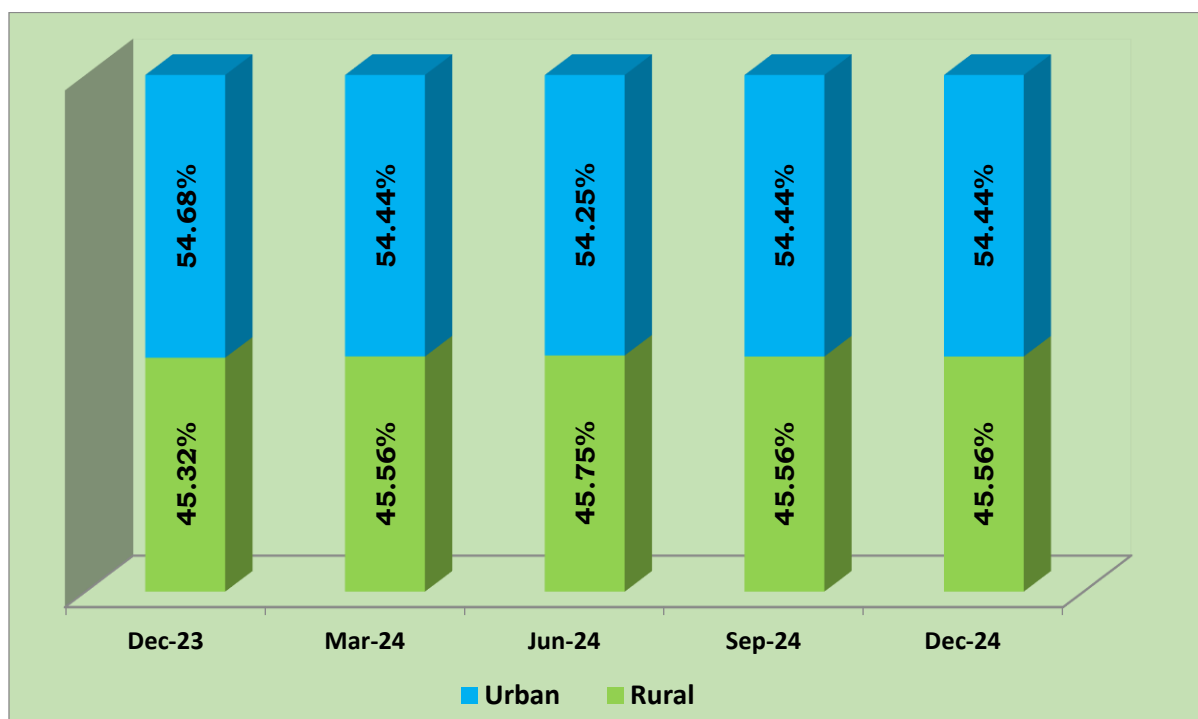


Table 1.11: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth	Market Share Sep-24	Market Share Dec-24
	Sep-24	Dec-24	Net Addition			
Reliance Jio	463.78	465.14	1.36	0.29%	40.20%	40.42%
Bharti Airtel	383.48	385.31	1.82	0.48%	33.24%	33.49%
Vodafone Idea Ltd	212.45	207.26	-5.20	-2.45%	18.41%	18.01%
BSNL	92.10	91.95	-0.15	-0.17%	7.98%	7.99%
MTNL	1.91	1.00	-0.90	-47.30%	0.17%	0.09%
Reliance Com.	-	0.00049	0.0005	-	0.00%	0.00004%
Total	1,153.72	1,150.66	-3.07	-0.27%	100	100

1.19 M/s Reliance Jio Infocom Ltd. is the market leader with a wireless subscriber base of 465.14 million which translates into market share of 40.42% and M/s Bharti Airtel Ltd. is at 2nd position with a total subscriber base of 385.31 million and market share of 33.49%.

1.20 In terms of net additions during QE Dec-24 except M/s Vodafone Idea, BSNL and MTNL all other service providers showed negative growth in their wireless subscriber base.

Table 1.12: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Sep-24	Dec-24	Net Additions	Rate of change (%)
Andhra Pradesh	82.61	82.51	-0.10	-0.12%
Assam	25.99	26.08	0.09	0.36%
Bihar	94.65	94.86	0.22	0.23%
Delhi	56.52	55.73	-0.79	-1.40%
Gujarat	65.09	64.97	-0.12	-0.19%
Haryana	26.15	25.95	-0.20	-0.77%
Himachal Pradesh	8.83	8.83	-0.01	-0.11%
Jammu & Kashmir	12.36	12.16	-0.20	-1.61%
Karnataka	66.99	67.87	0.89	1.33%
Kerala	41.49	41.29	-0.20	-0.48%
Madhya Pradesh	80.14	79.82	-0.32	-0.39%
Maharashtra	91.88	90.83	-1.06	-1.15%
Mumbai	33.79	33.78	-0.01	-0.03%
North East	12.41	12.44	0.03	0.25%
Orissa	34.08	34.35	0.27	0.78%
Punjab	34.21	33.91	-0.30	-0.89%
Rajasthan	64.77	64.31	-0.45	-0.70%
Tamil Nadu	77.78	77.40	-0.38	-0.49%
U.P.(E)	101.29	101.46	0.17	0.17%
U.P.(W)	62.87	62.59	-0.28	-0.45%
Kolkata	22.77	22.56	-0.21	-0.91%
West Bengal	57.07	56.98	-0.09	-0.16%
All India	1,153.72	1,150.66	-3.07	-0.27%

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	82.51	40.27	42.24	48.81%
Assam	26.08	16.99	9.09	65.15%
Bihar	94.86	63.34	31.53	66.77%
Delhi	55.73	1.96	53.76	3.52%
Gujarat	64.97	24.79	40.18	38.16%
Haryana	25.95	11.67	14.28	44.97%
Himachal Pradesh	8.83	5.74	3.09	65.00%
Jammu & Kashmir	12.16	6.06	6.10	49.82%
Karnataka	67.87	25.84	42.03	38.07%
Kerala	41.29	18.17	23.12	44.00%
Madhya Pradesh	79.82	37.91	41.91	47.49%
Maharashtra	90.83	40.59	50.24	44.69%
Mumbai	33.78	1.39	32.38	4.13%
North East	12.44	6.66	5.78	53.56%
Orissa	34.35	22.76	11.59	66.26%
Punjab	33.91	11.38	22.53	33.55%
Rajasthan	64.31	34.98	29.33	54.39%
T.N. (incl. Chennai)	77.40	24.06	53.34	31.09%
U.P.(E)	101.46	63.02	38.45	62.11%
U.P.(W)	62.59	30.49	32.10	48.71%
Kolkata	22.56	1.59	20.97	7.05%
West Bengal	56.98	34.58	22.40	60.69%
All India	1,150.66	524.23	626.43	45.56%

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 30 th September, 2024			As on 31 st December, 2024		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density(%)
A.P.	76.06	108.93	89.96	76.14	108.22	89.76
Assam	55.31	159.36	71.70	55.53	158.52	71.79
Bihar	44.10	117.85	55.70	44.10	117.36	55.64
Delhi	-	-	257.11	-	-	252.37
Gujarat	67.50	107.64	87.63	66.90	107.24	87.18
Haryana	67.58	107.93	84.94	66.50	107.13	84.04
H.P.	85.39	394.48	117.38	84.91	395.92	117.11
J&K	63.11	143.05	87.87	62.35	139.53	86.30
Karnataka	67.90	134.51	97.99	68.99	135.55	99.13
Kerala	237.10	81.82	115.01	241.03	80.93	114.35
M.P.	44.95	122.91	67.38	44.64	121.97	66.92
Maharashtra (incl. Mumbai)*	64.93	130.03	97.03	63.92	128.94	96.02
North East	63.28	103.63	77.67	64.83	100.73	77.69
Orissa	62.88	134.34	76.59	63.28	135.31	77.14
Punjab	64.08	157.90	105.95	63.63	155.79	104.84
Rajasthan	58.30	133.91	78.59	57.90	132.10	77.84
Tamil Nadu	68.20	123.66	98.55	67.47	123.11	97.98
Uttar Pradesh (incl. UPE&UPW)*	49.61	112.88	65.33	49.40	112.58	65.12
West Bengal (incl. Kolkata)*	57.74	114.54	79.09	57.44	113.84	78.70
All India	58.16	125.08	82.07	57.96	124.18	81.67

* 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'.
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 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 1.15 : State/UT wise Wireless Subscriber Base

Sl. No.	States/UT	Wireless Subscribers (in million)		
		Total	Rural	Urban
1	Andhra Pradesh	42.05	23.65	18.40
2	Arunachal Pradesh	1.25	0.84	0.41
3	Assam	26.08	16.99	9.09
4	Bihar	70.51	49.64	20.88
5	Chhattisgarh	20.97	10.39	10.58
6	Goa	2.39	0.64	1.75
7	Gujarat	64.04	24.47	39.58
8	Haryana	35.21	12.19	23.02
9	Himachal Pradesh	8.83	5.74	3.09
10	Jharkhand	24.35	13.70	10.65
11	Karnataka	67.87	25.84	42.03
12	Kerala	41.22	18.15	23.07
13	Madhya Pradesh	58.85	27.52	31.34
14	Maharashtra	122.21	41.34	80.87
15	Manipur	2.38	0.99	1.39
16	Meghalaya	2.59	1.68	0.91
17	Mizoram	1.36	0.54	0.82
18	Nagaland	1.67	0.89	0.77
19	Odisha	34.35	22.76	11.59
20	Punjab	32.01	11.34	20.67
21	Rajasthan	64.31	34.98	29.33
22	Sikkim	0.78	0.49	0.30
23	Tamil Nadu	75.99	23.69	52.30
24	Telangana	40.46	16.62	23.84
25	Tripura	3.20	1.73	1.47
26	Uttar Pradesh	163.60	88.27	75.33
27	Uttarakhand	12.08	6.25	5.82
28	West Bengal	78.26	35.44	42.83
Union Territories				
1	Andaman & Nicobar Islands	0.49	0.25	0.24
2	Chandigarh	1.76	0.03	1.74
3	Dadra and Nagar Haveli and Daman and Diu	0.92	0.32	0.60
4	Delhi	34.96	0.43	34.53
5	Jammu & Kashmir	11.62	5.74	5.88
6	Ladakh	0.54	0.32	0.22
7	Lakshdweep	0.07	0.02	0.05
8	Puduchery	1.41	0.37	1.04
Total		1150.66	524.23	626.43

Table 1.16 : State/UT wise Wireless Tele-density

Sl.No.	State/UT	Wireless Tele-density (%)		
		Total	Rural	Urban
1	Andhra Pradesh	78.60	70.84	91.50
2	Arunachal Pradesh	78.82	71.70	99.03
3	Assam	71.79	55.53	158.52
4	Bihar	54.19	43.56	129.14
5	Chhattisgarh	68.06	46.66	123.90
6	Goa	150.51	180.58	141.88
7	Gujarat	87.63	66.46	109.11
8	Haryana	114.05	69.46	172.74
9	Himachal Pradesh	117.11	84.91	395.92
10	Jharkhand	60.30	46.16	99.55
11	Karnataka	99.13	68.99	135.55
12	Kerala	114.38	240.78	80.96
13	Madhya Pradesh	66.52	43.92	121.33
14	Maharashtra	95.35	63.28	128.69
15	Manipur	72.54	45.12	128.41
16	Meghalaya	76.04	62.13	129.25
17	Mizoram	107.84	95.57	117.69
18	Nagaland	73.38	76.18	70.40
19	Odisha	77.14	63.28	135.31
20	Punjab	102.98	63.43	156.49
21	Rajasthan	77.84	57.90	132.10
22	Sikkim	111.80	147.29	80.07
23	Tamil Nadu	98.33	67.38	124.18
24	Telangana	105.30	85.23	125.99
25	Tripura	75.92	69.69	84.78
26	Uttar Pradesh	68.15	48.56	129.19
27	Uttarakhand	101.90	83.43	133.71
28	West Bengal	78.29	56.77	114.08
Union Territories				
1	Andaman & Nicobar Islands	120.80	111.28	132.40
2	Chandigarh	140.83	-	-
3	Dadra and Nagar Haveli and Daman and Diu	64.42	133.98	50.36
4	Delhi	158.33	-	-
5	Jammu & Kashmir	84.28	60.33	137.55
6	Ladakh	178.08	155.33	226.06
7	Lakshdweep	96.38	-	-
8	Puduchery	82.26	73.71	85.85
All India Tele-density		81.67	57.96	124.18

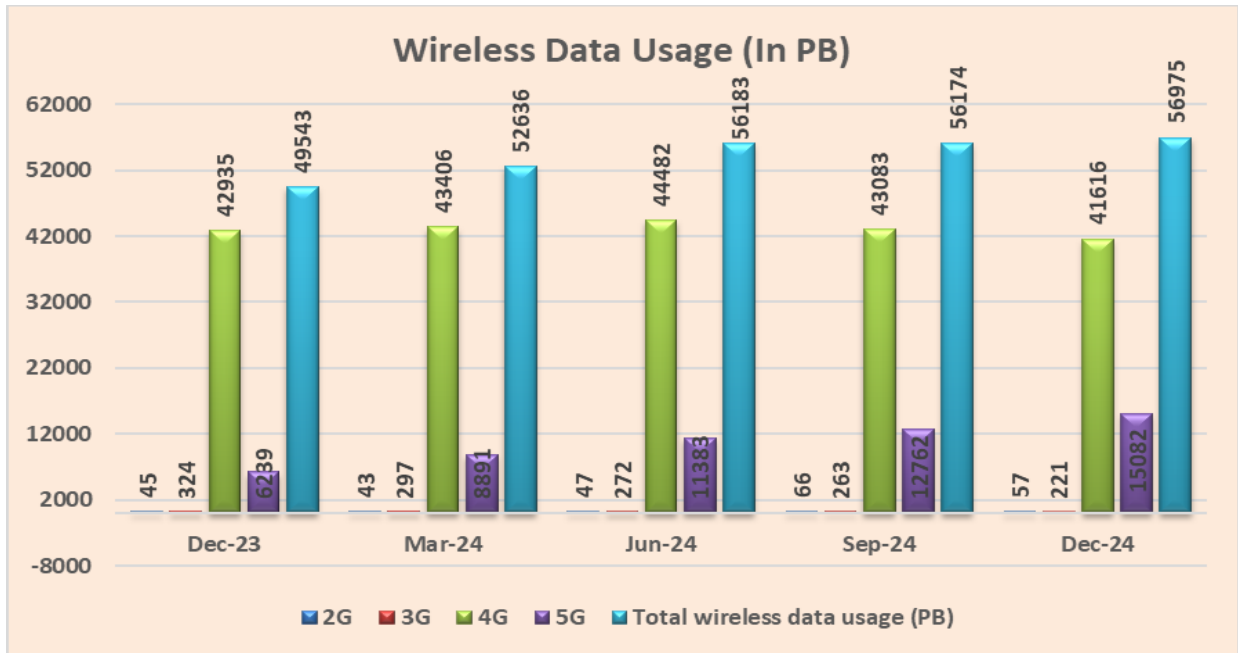
**Table 1.17: Rural Wireless Subscriber base and Market Share
(as on 31.12.2024)**

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	465.14	206.47	44.39%	39.43%
Bharti Airtel	385.31	188.62	48.95%	36.03%
Vodafone Idea Ltd	207.26	99.17	47.85%	18.94%
BSNL	91.95	29.95	32.57%	5.71%
MTNL	1.00	0.02	1.64%	0.003%
Total	1,150.66	524.23	45.56%	100%

Wireless Data Usage

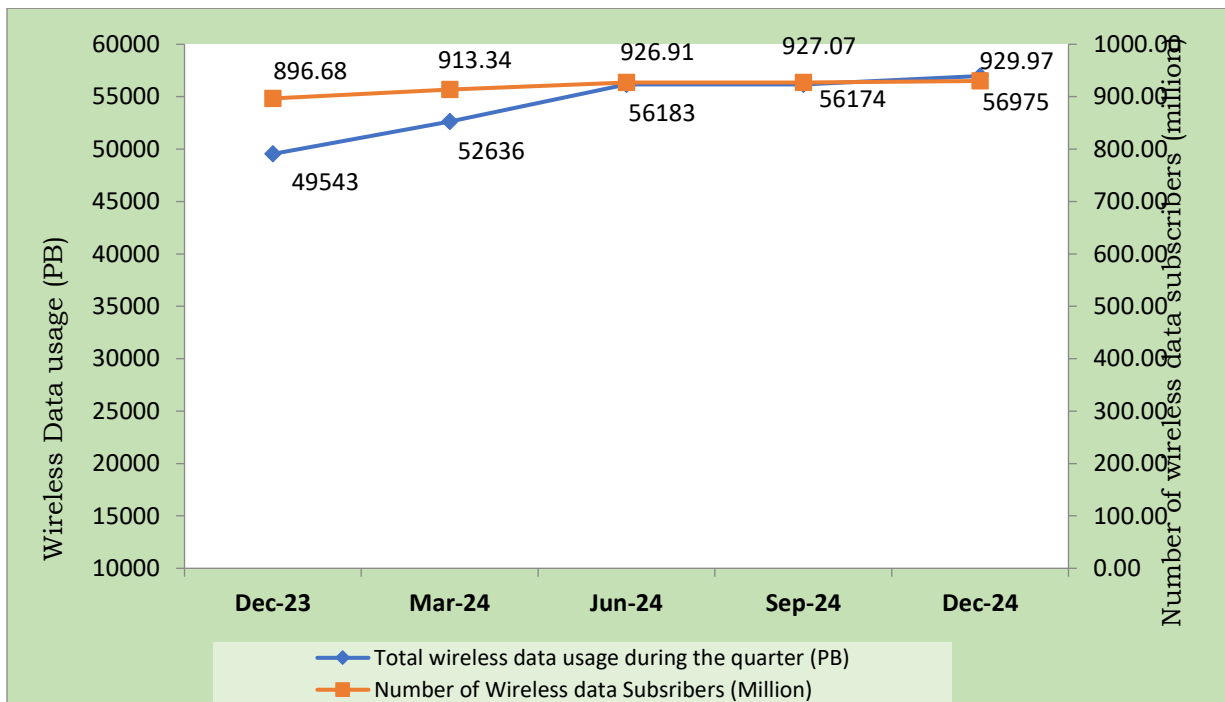
- 1.22 Volume of total wireless data usage increased from 56,174 PB during Q.E. Sep-24 to 56,975 PB during Q.E. Dec-24 with quarterly rate of growth 1.43%. Out of total data wireless usage, 2G data usage was 57 PB, 3G data usage was 221 PB, 4G data usage was 41,616 PB and 5G data usage was 15,082 PB during the quarter.
- 1.23 Total number of wireless data subscribers increased from 927.07 million at the end of Sep-24 to 929.97 million at the end of Dec-24.
- 1.24 The contribution of 2G, 3G, 4G and 5G data usage in total volume of wireless data usage are about 0.10%, 0.39%, 73.04% and 26.47% respectively during the QE Dec-24.
- 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 usease (in PB)



1.26 The following chart depicts the trend of number of wireless data subscribers and volume of wireless data usage in QE Dec-24.

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



Section C : Wireline Service

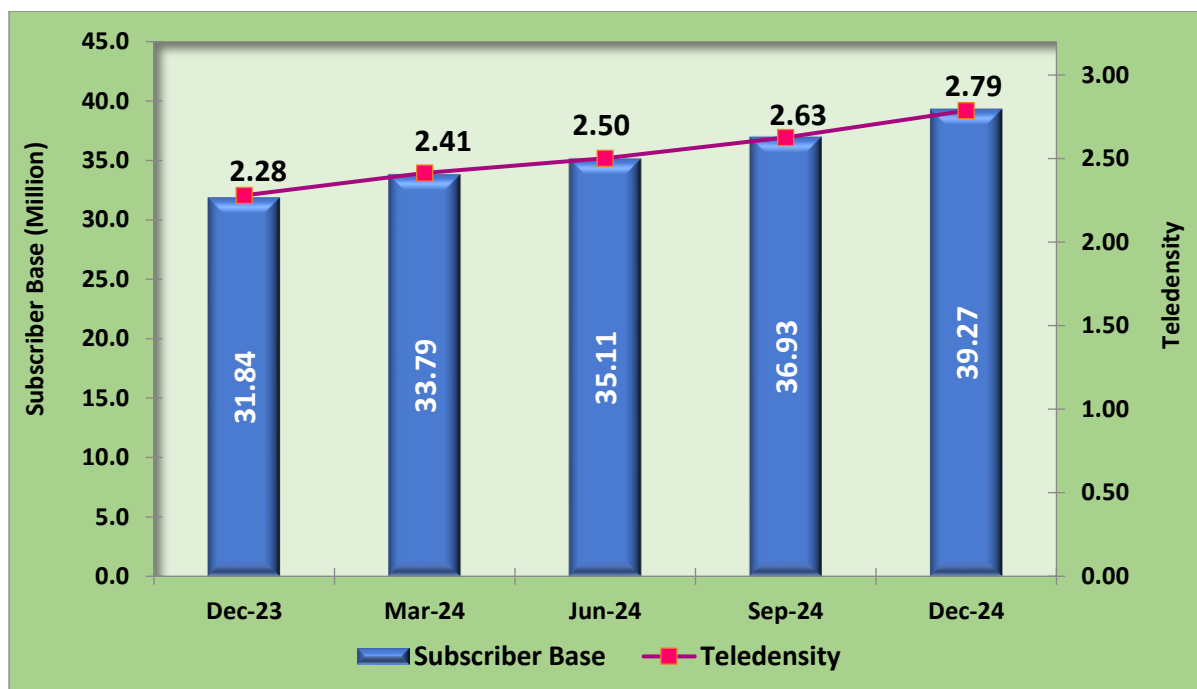
***Table 1.18 : Service Providers providing Wireline Service**

[As on 31st December, 2024]

Sl. No.	Name of the Service Provider	Area of Operation
1	Andhra Pradesh State FiberNet Ltd	Andhra Pradesh
2	Bharat Sanchar Nigam Ltd.	All of India except Delhi & Mumbai
3	Bharti Airtel Ltd	Andhra Pradesh, Assam, Bihar, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Odisha, Punjab, Rajasthan, Tamil Nadu (including Chennai), UP-East, UP-West and West Bengal.
4	Mahanagar Telephone Nigam Ltd.	Delhi & Mumbai
5	Quadrant Televentures Ltd.	Punjab
6.	Reliance Communications Ltd.	Andhra Pradesh, Bihar, Delhi, Gujarat, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Odisha, Punjab, Rajasthan, Tamil Nadu (including Chennai), UP-East, UP-West and West Bengal
7	Reliance Jio Infocomm Ltd.	Andhra Pradesh, Assam, Bihar, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, North-East, Odisha, Punjab, Rajasthan, Tamil Nadu (including Chennai), UP-East, UP-West and West Bengal.
8	Tata Teleservices Ltd. (Inc. TTML)	Andhra Pradesh, Bihar, Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Odisha, Punjab, Rajasthan, Tamil Nadu (including Chennai), UP-East, UP-West and West Bengal.
9.	Vodafone Idea Ltd.	Andhra Pradesh, Assam, Bihar, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, North-East, Odisha, Punjab, Rajasthan, Tamil Nadu (including Chennai), UP-East, UP-West and West Bengal.
10.	M/s. Satzilio Telecom Pvt. Ltd. (formerly VMIPL)	Punjab

1.27 Wireline subscribers base increased from 36.93 million at the end of Sep-24 to 39.27 million at the end of Dec-24 with quarterly rate of growth 6.32%. Overall Wireline Teledensity in the country increased from 2.63% at the end of Sep-24 to 2.79% at the end of Dec-24.

Chart 1.10: Wireline Subscriber Base and Tele-density



1.28 Urban wireline subscriber base increased by 6.65% from 34.03 million at the end of Sep-24 to 36.29 million at the end of Dec-24 and rural wireline subscription also increased by 2.51%, from 2.90 million to 2.98 million during the same period.

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

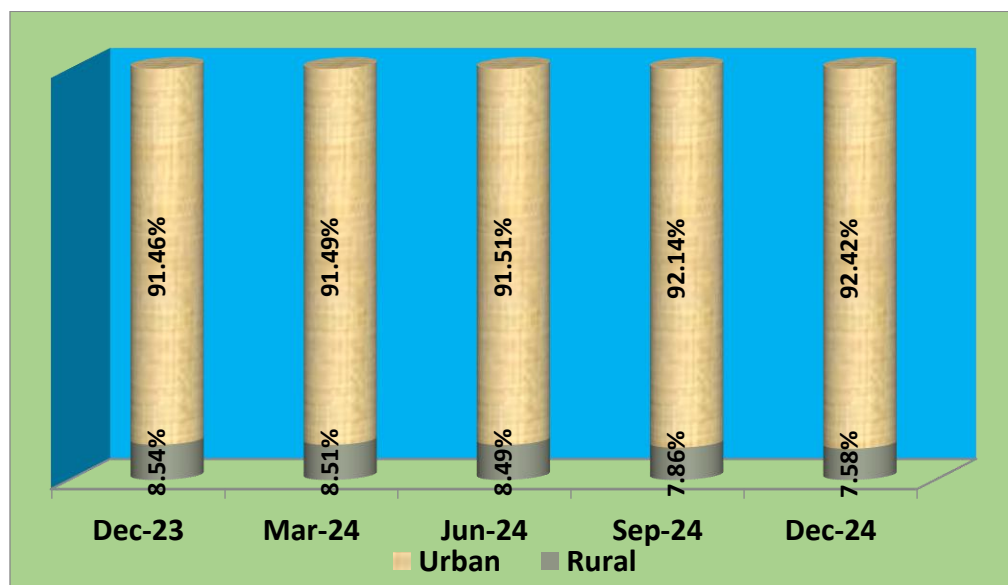
Quarter ending	Subscriber Base (million)		Tele-density (%)	
	Rural	Urban	Rural	Urban
Dec-23	2.72	29.12	0.30	5.88
Mar-24	2.88	30.92	0.32	6.21
Jun-24	2.98	32.13	0.33	6.43
Sep-24	2.90	34.03	0.32	6.78
Dec-24	2.98	36.29	0.33	7.19

**Table 1.20 : Service Provider wise Wireline Subscriber base
(Rural - Urban) – As on 31.12.2024**

Service Provider	Subscriber Base (million)			Percentage of Rural subscribers	Share of Rural subscription
	Rural	Urban	Total		
BSNL	1.98	4.08	6.06	32.70%	66.54%
Bharti	0.002	9.85	9.85	0.02%	0.08%
MTNL	0.00003	2.04	2.04	0.001%	0.00%
Tata	0.01	2.35	2.36	0.26%	0.21%
Reliance Com	0.0003	0.11	0.11	0.26%	0.01%
Quadrant	0.06	0.29	0.35	17.69%	2.10%
Vodafone Idea	0.00	0.84	0.84	0.00	0.00%
Reliance Jio	0.46	16.50	16.96	2.69%	15.34%
STPL	0.00	0.07	0.07	0.00%	0.00%
APSFL	0.47	0.16	0.63	74.00%	15.73%
Total	2.98	36.29	39.27	7.58%	100.00%

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 decreased from 7.86% in QE Sep-24 to 7.58% in QE Dec-24.

Table 1.21 : Service Provider wise growth in Wireline Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Sep-24	Market share-Dec-24
	Sep-24	Dec-24	Net Addition			
BSNL	6.13	6.06	-0.08	-1.28%	16.61%	15.42%
Bharti	9.32	9.85	0.53	5.63%	25.24%	25.08%
MTNL	2.07	2.04	-0.03	-1.58%	5.61%	5.20%
Tata	2.36	2.36	0.00	-0.10%	6.40%	6.01%
Reliance Com	0.12	0.11	-0.003	-2.79%	0.32%	0.29%
Quadrant	0.36	0.35	0.00	-0.73%	0.96%	0.90%
Vodafone Idea	0.86	0.84	-0.02	-2.55%	2.34%	2.15%
Reliance Jio	15.00	16.96	1.96	13.04%	40.61%	43.18%
STPL	0.06	0.07	0.001	2.30%	0.17%	0.17%
APSFL	0.64	0.63	-0.006	-0.90%	1.73%	1.61%
Total	36.93	39.27	2.34	6.32%	100	100

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

Service Area	Sep-24	Dec-24	Net Additions	Rate of Change (%)
Andhra Pradesh	3.97	4.17	0.20	5.04%
Assam	0.37	0.42	0.05	13.05%
Bihar	1.19	1.37	0.18	14.89%
Delhi	4.71	4.86	0.15	3.12%
Gujarat	1.80	1.95	0.15	8.38%
Haryana	0.68	0.73	0.05	7.74%
Himachal Pradesh	0.19	0.20	0.01	6.06%
Jammu & Kashmir	0.45	0.48	0.03	7.23%

Service Area	Sep-24	Dec-24	Net Additions	Rate of Change (%)
Karnataka	3.62	3.76	0.14	3.89%
Kerala	1.60	1.65	0.05	2.99%
Madhya Pradesh	1.94	2.14	0.20	10.31%
Maharashtra	1.82	2.00	0.18	9.69%
Mumbai	3.58	3.61	0.04	1.08%
North East	0.29	0.31	0.02	6.77%
Odisha	0.57	0.62	0.04	7.78%
Punjab	1.83	1.97	0.15	7.97%
Rajasthan	1.18	1.28	0.10	8.44%
Tamil Nadu	3.07	3.19	0.12	3.88%
U.P.(E)	1.15	1.37	0.22	19.13%
U.P.(W)	1.19	1.33	0.14	12.06%
Kolkata	1.10	1.15	0.05	4.55%
West Bengal	0.63	0.69	0.07	11.10%
All India	36.93	39.27	2.34	6.32%

1.31 U.P.(E) service area showed maximum growth of 19.13% in their wireline subscriber base during the quarter ending Dec-24.

**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	4.17	0.70	3.48	16.70%
Assam	0.42	0.02	0.40	5.09%
Bihar	1.37	0.09	1.28	6.46%
Delhi	4.86	0.007	4.85	0.14%
Gujarat	1.95	0.09	1.86	4.61%
Haryana	0.73	0.15	0.58	20.18%
Himachal Pradesh	0.20	0.05	0.15	27.22%
Jammu & Kashmir	0.48	0.02	0.47	3.49%
Karnataka	3.76	0.09	3.67	2.49%
Kerala	1.65	0.59	1.06	35.72%
Madhya Pradesh	2.14	0.08	2.06	3.72%
Maharashtra	2.00	0.14	1.86	7.09%
Mumbai	3.61	0.02	3.60	0.42%
North East	0.31	0.02	0.29	5.01%
Odisha	0.62	0.04	0.58	6.69%
Punjab	1.97	0.33	1.64	16.94%
Rajasthan	1.28	0.07	1.21	5.75%
Tamil Nadu	3.19	0.23	2.96	7.19%
U.P.(E)	1.37	0.05	1.32	3.55%
U.P.(W)	1.33	0.07	1.26	5.61%
Kolkata	1.15	0.003	1.14	0.27%
West Bengal	0.69	0.11	0.58	16.16%
All India	39.27	2.98	36.29	7.58%

1.32 Kerala service area has the maximum share 35.72% of rural wireline subscriber in its total wireline subscriber base at the end of Dec-24.

Table 1.24: Service Area wise Wireline Tele-density

Service Area	As on 30 th September, 2024			As on 31 st December, 2024		
	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)	Rural Tele-density (%)	Urban Tele-density (%)	Total Tele-density (%)
Andhra Pradesh	1.30	8.46	4.33	1.32	8.91	4.54
Assam	0.06	6.13	1.02	0.07	6.89	1.15
Bihar	0.06	4.13	0.70	0.06	4.77	0.80
Delhi	-	-	21.44	-	-	22.01
Gujarat	0.22	4.62	2.43	0.24	4.98	2.62
Haryana	0.80	4.05	2.20	0.84	4.37	2.37
Himachal Pradesh	0.80	17.45	2.52	0.81	18.77	2.67
Jammu & Kashmir	0.19	9.97	3.22	0.17	10.71	3.44
Karnataka	0.24	11.44	5.30	0.25	11.83	5.50
Kerala	7.54	3.60	4.45	7.83	3.72	4.57
Madhya Pradesh	0.09	5.43	1.63	0.09	5.99	1.79
Maharashtra (incl. Mumbai)*	0.23	8.21	4.17	0.24	8.52	4.33
North East	0.14	4.81	1.81	0.15	5.11	1.93
Odisha	0.12	6.22	1.29	0.11	6.73	1.39
Punjab	1.82	10.42	5.66	1.87	11.33	6.10
Rajasthan	0.12	5.01	1.43	0.12	5.44	1.55
Tamil Nadu (incl. Chennai)	0.62	6.59	3.89	0.64	6.83	4.03
Uttar Pradesh (incl. UPE & UPW)*	0.06	3.57	0.93	0.07	4.11	1.07
West Bengal (incl. Kolkata)*	0.18	4.23	1.71	0.18	4.53	1.82
All India	0.32	6.78	2.63	0.33	7.19	2.79

* 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'.
 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	2.56	0.63	1.93
2	Arunachal Pradesh	0.02	0.001	0.02
3	Assam	0.42	0.02	0.40
4	Bihar	0.93	0.06	0.86
5	Chhattisgarh	0.48	0.02	0.46
6	Goa	0.06	0.02	0.05
7	Gujarat	1.95	0.09	1.86
8	Haryana	0.95	0.15	0.80
9	Himachal Pradesh	0.20	0.05	0.15
10	Jharkhand	0.44	0.03	0.42
11	Karnataka	3.76	0.09	3.67
12	Kerala	1.64	0.59	1.06
13	Madhya Pradesh	1.66	0.06	1.59
14	Maharashtra Incl. Mumbai	5.55	0.14	5.41
15	Manipur	0.08	0.005	0.07
16	Meghalaya	0.07	0.003	0.07
17	Mizoram	0.04	0.001	0.04
18	Nagaland	0.04	0.0002	0.04
19	Odisha	0.62	0.04	0.58
20	Punjab	1.67	0.33	1.34
21	Rajasthan	1.28	0.07	1.21
22	Sikkim	0.01	0.001	0.01
23	Tamil Nadu	3.12	0.22	2.90
24	Telangana	1.62	0.07	1.55
25	Tripura	0.05	0.01	0.05
26	Uttar Pradesh (UPE+UPW)	2.61	0.09	2.52
27	Uttarakhand	0.44	0.03	0.41
28	West Bengal Incl. Kolkata	1.80	0.09	1.70
Union Territories				
1	Andaman & Nicobar Islands	0.03	0.02	0.02
2	Chandigarh	0.30	0.006	0.30
3	Dadra and Nagar Haveli and Daman and Diu	0.01	0.002	0.01
4	Delhi	4.29	0.0003	4.29
5	Jammu & Kashmir	0.48	0.02	0.46
6	Ladakh	0.005	0.001	0.004
7	Lakshdweep	0.008	0.004	0.003
8	Puduchery	0.07	0.01	0.05
Total		39.27	2.98	36.29

Table 1.26: State/UT wise Wireline Tele-density

Sl.No.	State/UT	Wireline Tele-density		
		Total (%)	Rural (%)	Urban (%)
1	Andhra Pradesh	4.78	1.89	9.59
2	Arunachal Pradesh	1.23	0.07	4.51
3	Assam	1.15	0.07	6.89
4	Bihar	0.71	0.06	5.34
5	Chhattisgarh	1.56	0.08	5.42
6	Goa	4.04	4.77	3.83
7	Gujarat	2.66	0.24	5.12
8	Haryana	3.08	0.88	5.98
9	Himachal Pradesh	2.67	0.81	18.77
10	Jharkhand	1.10	0.08	3.91
11	Karnataka	5.50	0.25	11.83
12	Kerala	4.56	7.77	3.71
13	Madhya Pradesh	1.87	0.10	6.17
14	Maharashtra Incl. Mumbai	4.33	0.21	8.61
15	Manipur	2.40	0.25	6.79
16	Meghalaya	2.08	0.10	9.66
17	Mizoram	3.42	0.13	6.07
18	Nagaland	1.84	0.02	3.79
19	Odisha	1.39	0.11	6.73
20	Punjab	5.37	1.84	10.15
21	Rajasthan	1.55	0.12	5.44
22	Sikkim	1.22	0.37	1.97
23	Tamil Nadu	4.03	0.61	6.89
24	Telengana	4.20	0.34	8.19
25	Tripura	1.30	0.23	2.83
26	Uttar Pradesh (UPE + UPW)	1.09	0.05	4.32
27	Uttarakhand	3.73	0.46	9.34
28	West Bengal incl. Kolkata	1.80	0.15	4.54
Union Territories				
1	Andaman & Nicobar Islands	8.62	8.94	8.24
2	Chandigarh	24.19	-	23.71
3	Dadra and Nagar Haveli and Daman and Diu	0.68	0.65	0.68
4	Delhi	19.42	0.49	19.47
5	Jammu & Kashmir	3.49	0.17	10.86
6	Ladakh	1.50	0.30	4.04
7	Lakshdweep	11.02	-	5.02
8	Puduchery	4.00	2.73	4.53
Total		2.79	0.33	7.19

Public Call Offices (PCO)

- 1.33 Total number of PCOs in the country decreased from 16,268 at the end of Sep-24 to 13,442 at the end of Dec-24. 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 an overall quarterly rate of decline 17.37% and on Y-O-Y basis rate of decline of 49.64% at the QE Dec-24.

Table 1.27: Rate of change & Market share of PCOs

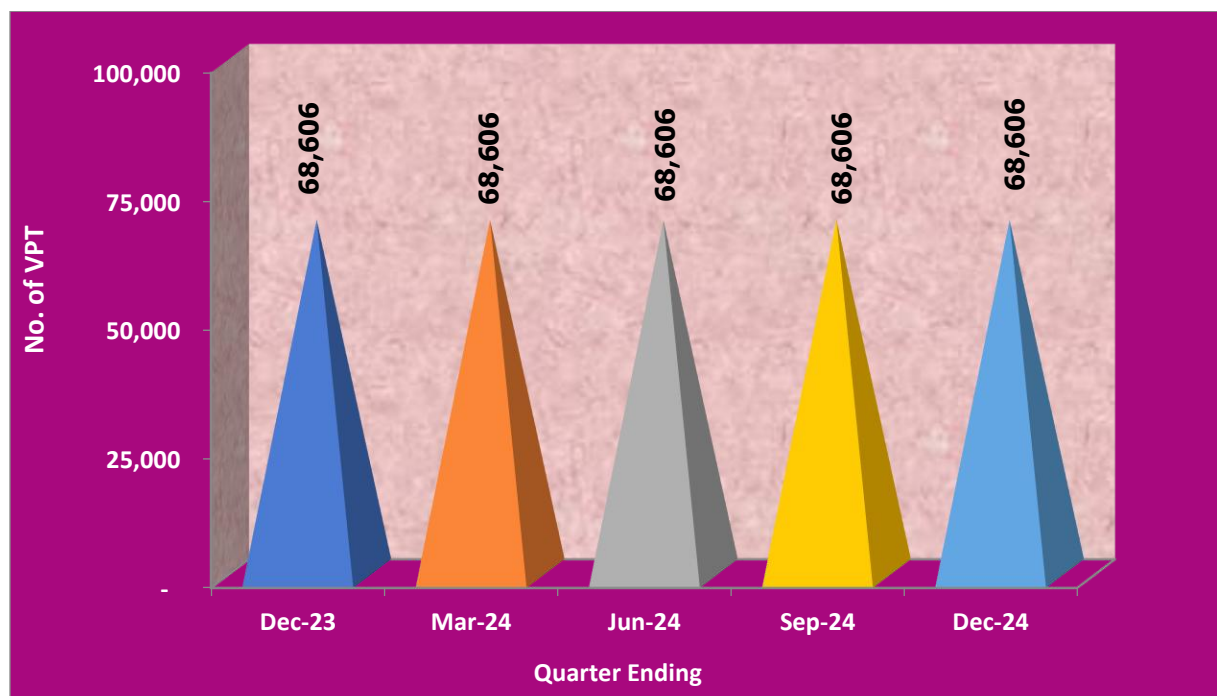
Service Provider	Sep-24	Dec-24	Rate of change (%)	Market share (%) (Dec-24)
BSNL	12,093*	10,087	-16.59%	75.04%
MTNL	3,922	3,116	-20.55%	23.18%
Quadrant	253	239	-5.53%	1.78%
Total	16268	13442	-17.37%	100%

***NOTE:** BSNL has revised number of PCO for QE of Sept. 2024 to 12,093 from 11,199, thereafter total PCOs as on 30th September 2024 has come at 16,268.

Village Public Telephones (VPTs)

- 1.35 There are 6,40,930 inhabited villages in India as per census 2011. During the Q.E. Dec-24, 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 Dec-24, as were at the end of Sep-24.
- 1.37 As per the information received in TRAI, at the end of Dec-24, 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 Dec-24. **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 This report is compiled on the revised definition of Broadband speed i.e. $\geq 2\text{Mbps}$, as notified by DoT on 25.01.2023. As per reports received from 1210 operators, total number of internet subscribers decreased from 971.50 million at the end of Sep-24 to 970.16 million at the end of Dec-24 with quarterly rate of decline 0.14%. Out of total 970.16 million internet subscribers, 944.96 million were broadband subscribers and 25.20 million were narrowband subscribers.
- 1.40 Wired Internet subscribers decreased from 43.64 million at the end of Sep-24 to 41.21 million at the end of Dec-24 with quarterly decline rate of 5.57%. Wireless Internet subscribers increased from 927.86 million at the end of Sep-24 to 928.96 million at the end of Dec-24 with quarterly rate of growth 0.12%.
- 1.41 The number of Broadband subscribers increased from 944.39 million at the end of Sep-24 to 944.96 million at the end of Dec-24 with quarterly rate of growth 0.06%. Number of Narrowband subscribers decreased from 27.11 million at the end of Sep-24 to 25.20 million at the end of Dec-24 with quarterly rate of decline by 7.03%.

Table 1.28: Trend of Internet subscriber base

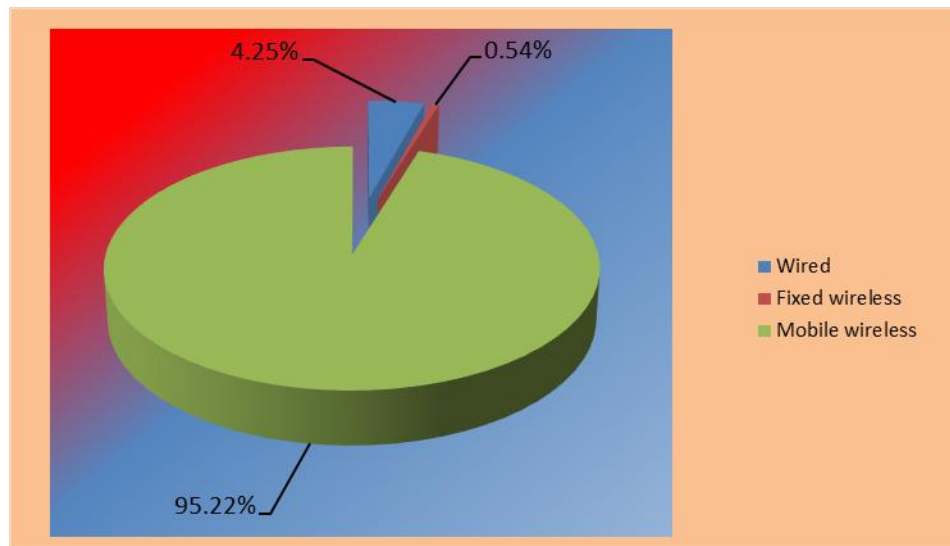
Segment	Subscription	Category	Internet Subscribers (In million)		% Change
			Sep-24	Dec-24	
Wired Subscribers	Fixed (wired) Internet (DSL, FTTx, Ethernet/LAN, Cable Modem, ILL)	Broadband	43.62	41.19	-5.57%
		Narrowband	0.02	0.02	-2.42%
		Total	43.64	41.21	-5.57%
Wireless	Fixed Wireless Internet (FWA-5G, Wi-Fi, Wi-Max, Radio, Satellite)	Broadband	0.99	5.21	426.94%*
		Narrowband	0.001	0.002	86.62%
		Total	0.99	5.21	426.52%
	Mobile Internet (Handset/Dongle based)	Broadband	899.78	898.57	-0.14%
		Narrowband	27.08	25.18	-7.04%
		Total	926.87	923.75	-0.34%
Total Internet Subscribers		Broadband	944.39	944.96	0.06%
		Narrowband	27.11	25.20	-7.03%
		Total	971.50	970.16	-0.14%

Note: This report is prepared considering the last reported (Nov'2024) internet subscription data submitted by M/s RJIL and M/s Bharti Airtel Ltd., as the requisite internet subscription data for the month of Dec'2024 is not submitted by them.

*Significant variation in the subscription count of Wired Broadband and Fixed Wireless is on account of shift in reporting of Fixed Wireless Access (5G) subscription count from wireline segment to wireless segment.

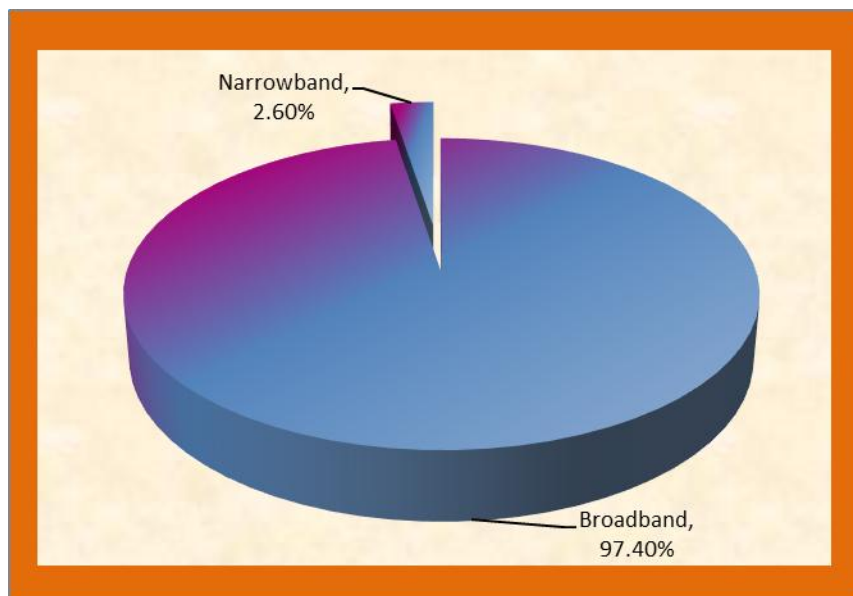
1.42 The following charts present the composition of Internet Subscribers by mode of access and composition of Broadband & Narrowband subscription as on 31st December, 2024.

Chart 1.14: Composition of Internet subscription



1.43 Out of total internet subscribers, 95.22% subscribers are using Mobile devices for access of internet service. Wired internet subscribers are only 4.25% in total internet subscribers at the end of Dec-24.

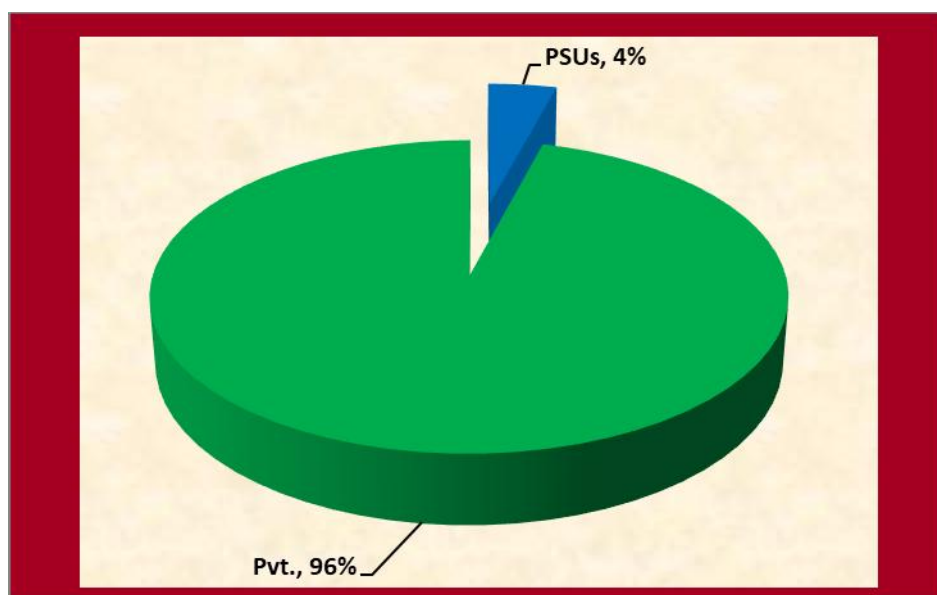
Chart 1.15 : Composition of Broadband & Narrowband subscription



1.44 Out of total internet subscribers, 97.40% subscribers are using broadband for access of internet.

1.45 Share of private internet service providers in total internet subscriber base is 96%, at QE Dec-24. 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: Service Area wise Break up of Rural-Urban internet subscriber base (in millions)

Telecom Service Area	Narrowband		Broadband		Total (Dec-2024)		Total (Sep-2024)	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Andhra Pradesh	0.78	0.80	30.42	40.86	31.19	41.66	31.17	41.75
Assam	0.14	0.08	13.24	6.90	13.38	6.98	13.28	7.08
Bihar	1.06	0.39	47.47	24.69	48.53	25.08	48.37	25.90
Delhi	0.08	5.30	1.44	50.50	1.52	55.79	1.46	55.45
Gujarat	0.25	0.43	19.52	36.57	19.77	36.99	19.27	37.55

Telecom Service Area	Narrowband		Broadband		Total (Dec-2024)		Total (Sep-2024)	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Haryana	0.18	0.83	9.46	10.27	9.64	11.10	9.63	11.19
Himachal Pradesh	0.04	0.04	3.95	2.67	3.99	2.71	4.02	2.74
Jammu & Kashmir	0.09	0.06	4.79	5.44	4.89	5.49	4.97	5.63
Karnataka	1.20	2.46	20.24	36.38	21.44	38.85	21.23	38.59
Kerala	0.34	0.50	17.55	17.54	17.89	18.04	17.61	18.03
Kolkata	0.02	0.28	1.35	18.02	1.37	18.30	1.39	18.33
Madhya Pradesh	0.48	0.45	29.21	37.05	29.69	37.51	29.79	38.27
Maharashtra	0.58	0.68	31.82	46.72	32.40	47.40	33.41	47.05
Mumbai	0.02	0.75	1.27	30.75	1.29	31.50	1.31	31.27
North East	0.05	0.06	5.39	4.93	5.44	4.98	5.41	5.02
Orissa	0.23	0.09	16.94	8.66	17.16	8.75	16.91	8.77
Punjab	0.15	0.35	9.47	18.83	9.62	19.18	9.53	19.21
Rajasthan	0.43	0.59	25.58	25.47	26.01	26.07	25.83	26.59
Tamil Nadu	0.55	0.95	17.26	45.48	17.81	46.43	17.72	46.21
UP (East)	1.32	0.56	45.04	32.07	46.36	32.63	46.05	33.18
UP (West)	0.32	0.57	22.49	26.60	22.81	27.17	22.53	27.46
West Bengal	0.50	0.18	24.26	20.40	24.76	20.58	24.42	20.89
Grand Total	8.82	16.38	398.15	546.81	406.97	563.19	405.33	566.16
	25.20		944.96		970.16		971.50	

*The information is compiled based on the reports being received from the Internet Service Providers.

Table 1.30: State/UT wise Break up of Rural-Urban internet subscriber base (in millions)

S.No.	State(s)	Narrowband		Broadband		Total (Dec-2024)	
		Rural	Urban	Rural	Urban	Rural	Urban
1	Andhra Pradesh	0.44	0.44	17.50	18.03	17.94	18.47
2	Arunachal Pradesh	0.01	0.01	0.54	0.38	0.54	0.39
3	Assam	0.14	0.08	13.24	6.90	13.38	6.98
4	Bihar	0.89	0.27	36.71	16.38	37.59	16.64
5	Chattisgarh	0.11	0.10	8.48	8.96	8.59	9.06
6	Goa	0.01	0.02	0.62	1.77	0.63	1.79
7	Gujarat	0.25	0.42	19.23	36.01	19.48	36.43
8	Haryana	0.20	1.66	9.86	18.54	10.06	20.20
9	Himachal Pradesh	0.04	0.04	3.95	2.67	3.99	2.71
10	Jharkhand	0.18	0.12	10.76	8.31	10.94	8.43
11	Karnataka	1.20	2.46	20.24	36.38	21.44	38.85
12	Kerala	0.33	0.50	17.51	17.53	17.84	18.03
13	Madhya Pradesh	0.37	0.35	20.73	28.10	21.10	28.45
14	Maharashtra incl. Mumbai	0.59	1.41	32.47	75.70	33.06	77.11
15	Manipur	0.01	0.01	0.96	1.31	0.97	1.32
16	Meghalaya	0.01	0.01	1.33	0.74	1.34	0.75
17	Mizoram	0.004	0.01	0.53	0.70	0.54	0.71
18	Nagaland	0.01	0.01	0.97	0.67	0.98	0.68
19	Odisha	0.23	0.09	16.94	8.66	17.16	8.75
20	Punjab	0.15	0.30	9.43	17.41	9.58	17.71
21	Rajasthan	0.43	0.59	25.58	25.47	26.01	26.07
22	Sikkim	0.01	0.002	0.37	0.28	0.38	0.28
23	Tamil Nadu incl. Chennai	0.53	0.89	16.92	44.74	17.45	45.63
24	Telangana	0.33	0.36	12.92	22.84	13.25	23.19
25	Tripura	0.01	0.02	1.05	1.11	1.07	1.13
26	Uttar Pradesh (UPE+UPW)	1.61	2.33	63.60	63.97	65.21	66.30
27	Uttarakhand	0.06	0.06	4.72	5.01	4.78	5.07
28	West Bengal incl. Kolkata	0.48	0.44	25.05	37.96	25.53	38.39
Union Territories							
1	Andaman & Nicobar Islands	0.03	0.02	0.19	0.18	0.23	0.21
2	Chandigarh	0.0003	0.01	0.03	1.36	0.03	1.37
3	Dadar & Nagar Haweli (incl. Daman & Diu)	0.004	0.01	0.29	0.55	0.29	0.56
4	Delhi	0.04	3.25	0.26	31.99	0.30	35.24
5	Jammu & Kashmir	0.09	0.05	4.48	5.33	4.57	5.38
6	Ladakh	0.002	0.004	0.31	0.11	0.32	0.11
7	Lakshdweep	0.02	0.00002	0.03	0.003	0.05	0.003
8	Puduchery	0.02	0.06	0.34	0.74	0.36	0.80
	Total	8.82	16.38	398.15	546.81	406.97	563.19
	Grand Total	25.20		944.96		970.16	

Table 1.31: Internet Subscriber Base and Market Share of top 5 Service Providers

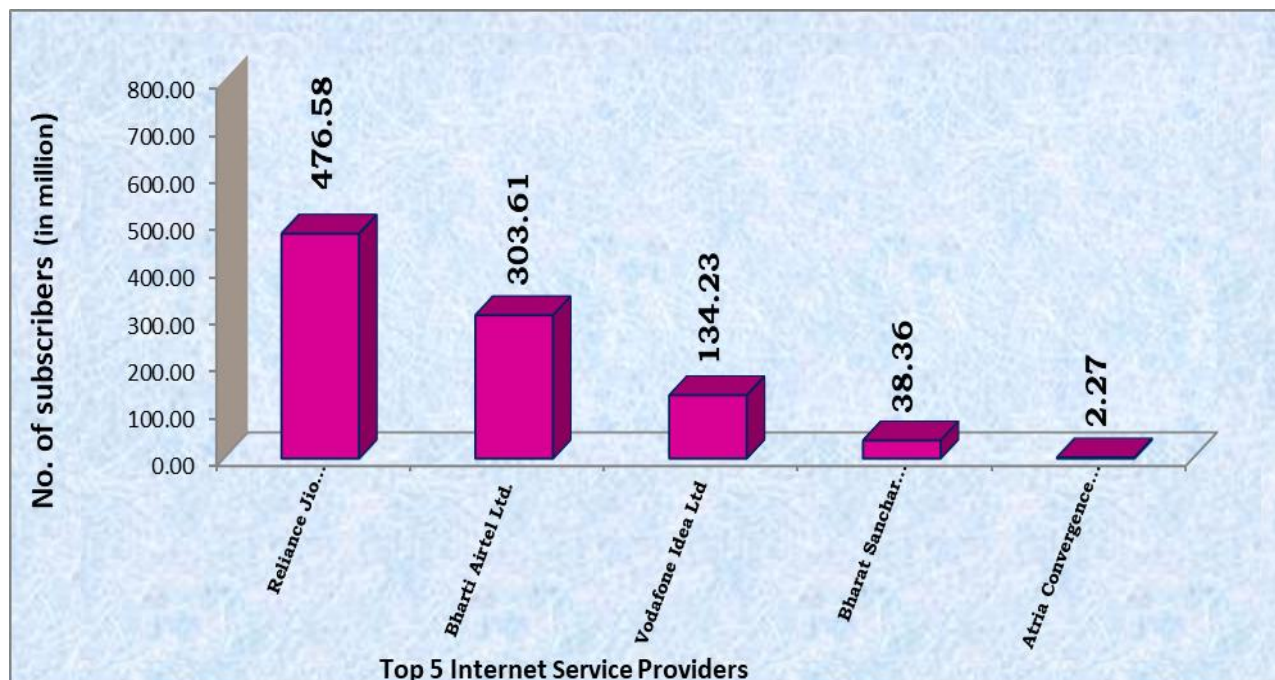
S.No	ISP	No. of Subscribers (In million)	Share (%)
1	Reliance Jio Infocomm Ltd	476.58	49.12%
2	Bharti Airtel Ltd.	303.61	31.29%
3	Vodafone Idea Ltd	134.23	13.84%
4	Bharat Sanchar Nigam Ltd.	38.36	3.95%
5	Atria Convergence Technologies Limited	2.27	0.23%
Total of Top 5 ISPs		955.06	98.44%
Others		15.11	1.56%
Grand Total		970.16	100

1.47 Reliance Jio holds the top position with 49.12% of market share of internet subscribers followed by Bharti Airtel Ltd with 31.29% at the QE Dec-24. M/s Vodafone Idea Ltd held the third position in respect in internet subscriber base with market share of 13.84%.

1.48 Out of total 1210 internet service providers, top 5 Service Providers together hold 98.44% of total internet subscriber base at the QE Dec-24. Detailed table of number of internet subscriber base (broadband and narrowband) of all the service providers is available at **Annexure-1.5**.

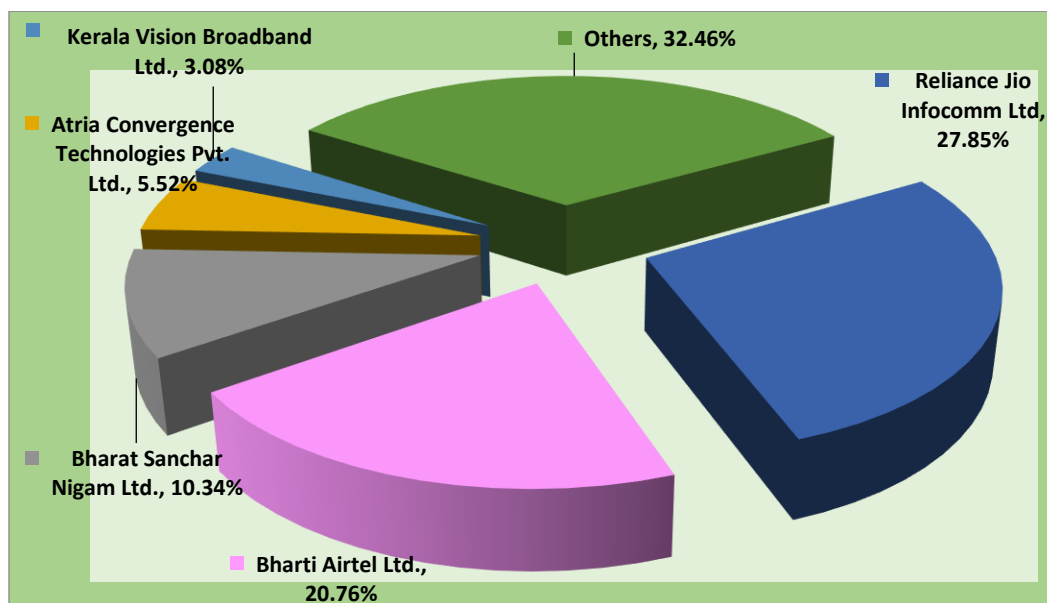
1.49 The following chart depicts the internet subscriber base of top five Internet Service Providers (ISPs) in the QE Dec-24.

Chart 1.17 : Subscriber base of top five ISPs



1.50 Out of total 41.21 million wired internet subscribers, Reliance Jio Infocomm Ltd holds 27.85% market share with 11.48 million subscribers, followed by Bharti with 8.55 million subscribers.

Chart 1.18: Composition of Wired Internet subscribers



1.51 In wireless internet segment, Reliance Jio holds 50.07% market share with 465.10 million subscribers followed by Bharti Airtel Ltd with market share of 31.76% and 295.06 million wireless internet subscribers at the QE Dec-24.

Chart 1.19: - Composition of Wireless Internet subscription

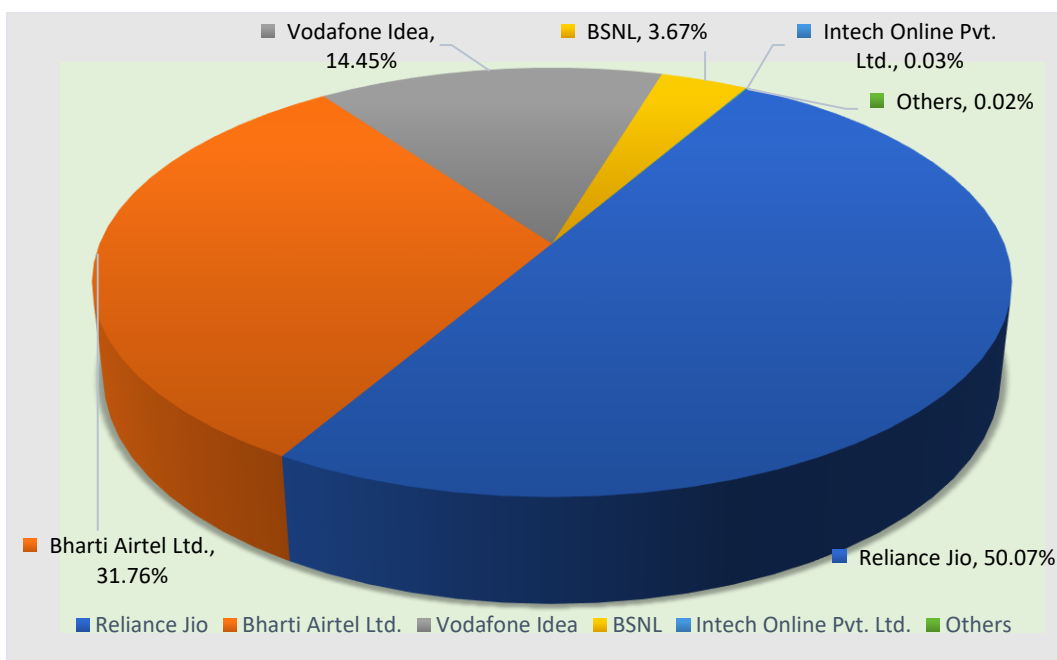
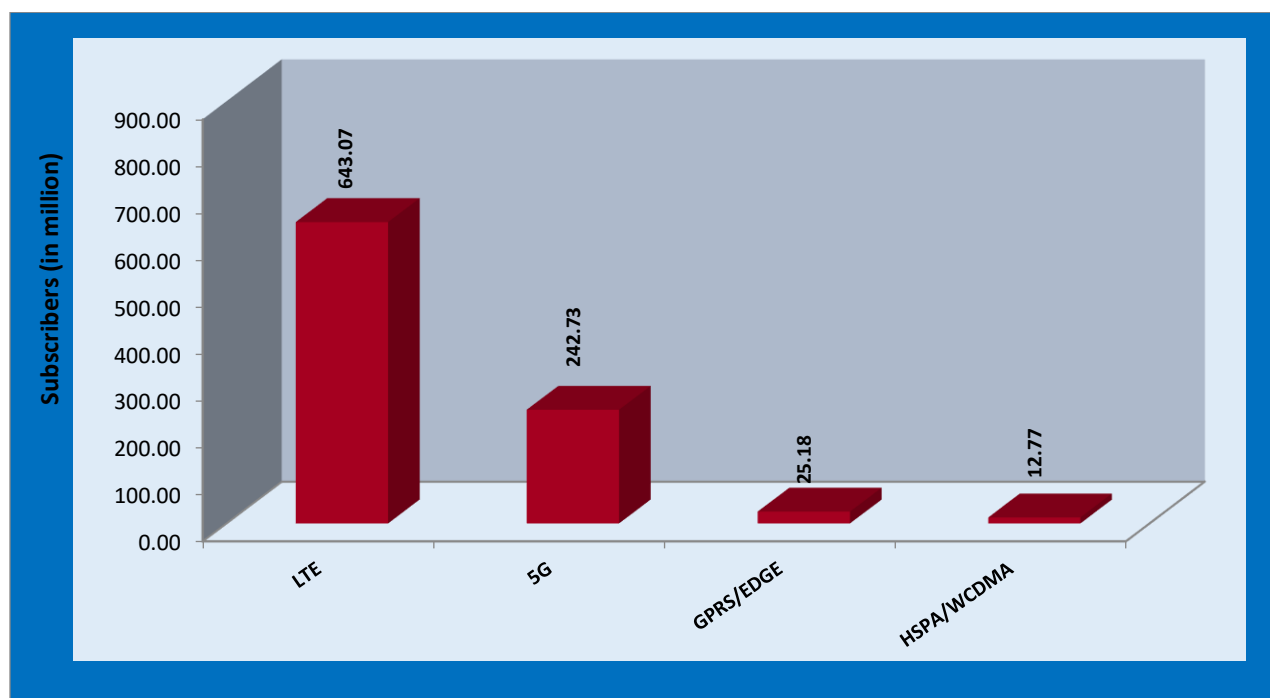


Chart 1.20 : Technology trend for Mobile Internet: (Handset/Dongle based)



**Chart 1.21: Technology trend for Fixed Wireless Internet:
(FWA-5G, Wi-Fi, Wi-Max, Radio)**

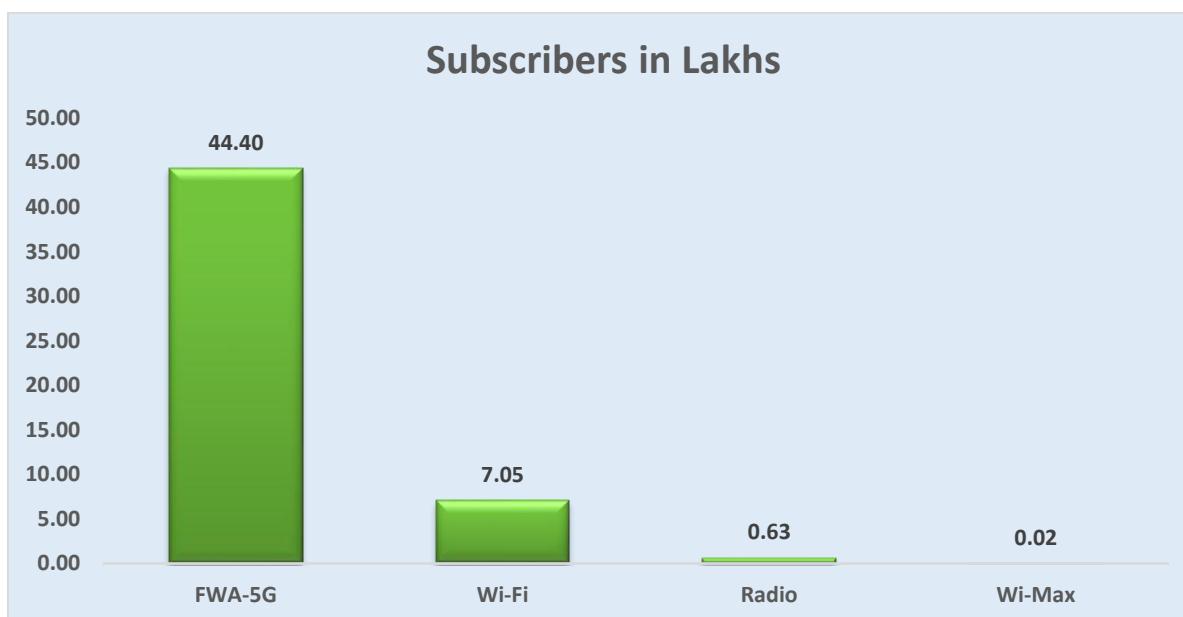
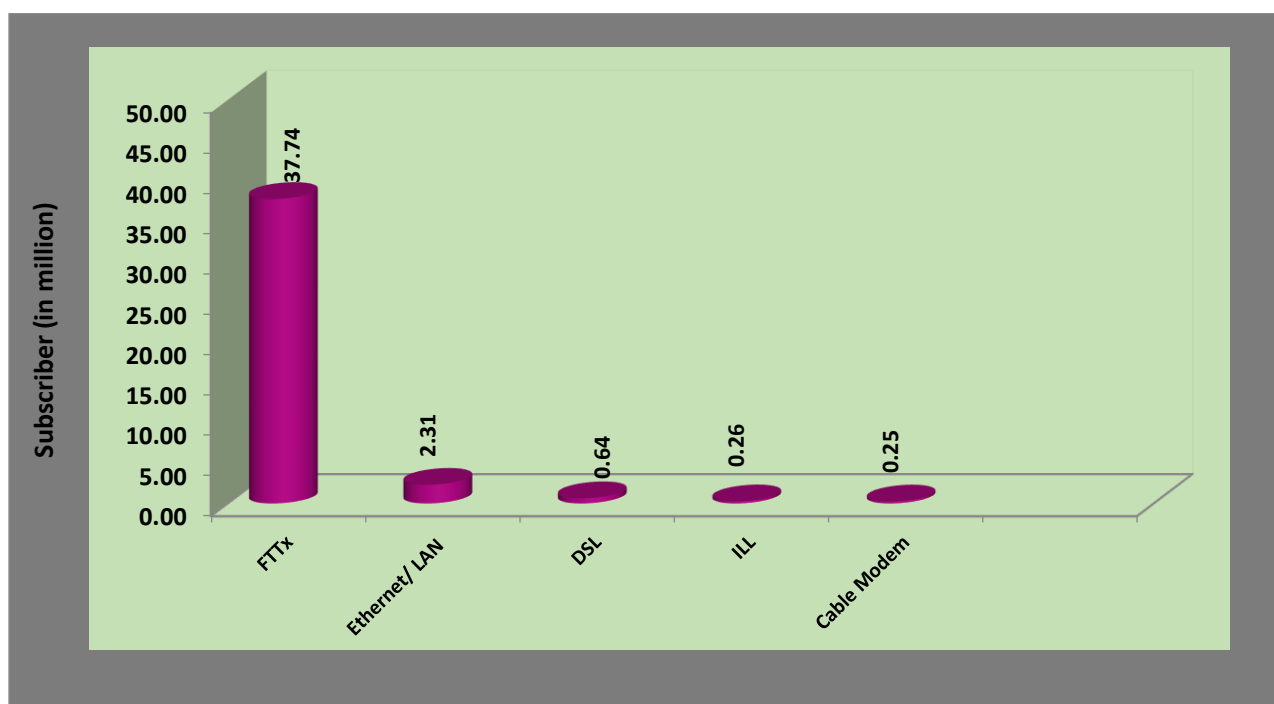


Chart 1.22: Technology trend for Fixed (Wired) Internet



1.52 Top five Telecom Service Areas in terms of internet subscriptions (wired+wireless) are: -

S. No.	Telecom Service Area	Dec-24
1	Maharashtra	79.80
2	Uttar Pradesh East	78.99
3	Bihar	73.61
4	Andhra Pradesh	72.85
5	Madhya Pradesh	67.19

Table 1.32: Service Area wise number of Internet Subscribers per 100 population at the end of Dec-24

Service Area	Internet Subscribers (in million)			No. of Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Andhra Pradesh	31.19	41.66	72.85	58.98	106.74	79.26
Assam	13.38	6.98	20.36	43.74	121.72	56.05
Bihar	48.53	25.08	73.61	33.79	93.36	43.17
Delhi	1.52	55.79	57.32	-	-	259.59
Gujarat	19.77	36.99	56.77	53.36	98.74	76.18
Haryana	9.64	11.10	20.75	54.94	83.32	67.19
Himachal Pradesh	3.99	2.71	6.70	59.08	346.90	88.88
Jammu & Kashmir	4.89	5.49	10.38	50.33	125.68	73.72
Karnataka	21.44	38.85	60.28	57.23	125.27	88.04
Kerala	17.89	18.04	35.93	237.35	63.14	99.50
Madhya Pradesh	29.69	37.51	67.19	34.96	109.14	56.33
Maharashtra	32.40	47.40	79.80	51.29	123.13	86.77
Mumbai	1.29	31.50	32.79			
North East	5.44	4.98	10.42	52.91	86.86	65.07
Orissa	17.16	8.75	25.91	47.72	102.12	58.19
Punjab	9.62	19.18	28.80	53.83	132.62	89.06
Rajasthan	26.01	26.07	52.07	43.05	117.39	63.03
Tamil Nadu	17.81	46.43	64.24	49.94	107.16	81.33
UP (East)	46.36	32.63	78.99	36.55	95.43	51.20
UP (West)	22.81	27.17	49.99			
Kolkata	1.37	18.30	19.68	41.49	102.06	64.32
West Bengal	24.76	20.58	45.34			
Total	406.97	563.19	970.16	44.99	111.64	68.86

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

Notes:

1. 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'.
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 1.33 : State/UT wise number of Internet Subscribers per 100 population at the end of Dec-24

S.N.	State(s)	Total Subscribers (In million)			Tele-density (%)		
		Rural	Urban	Total	Rural	Urban	Total
1	Andhra Pradesh	17.94	18.47	36.41	53.75	91.84	68.07
2	Arunachal Pradesh	0.54	0.39	0.93	46.39	93.86	58.76
3	Assam	13.38	6.98	20.36	43.74	121.71	56.05
4	Bihar	37.59	16.64	54.24	32.99	102.96	41.68
5	Chattisgarh	8.59	9.06	17.65	38.57	106.11	57.28
6	Goa	0.63	1.79	2.42	179.02	144.77	152.41
7	Gujarat	19.48	36.43	55.91	52.91	100.44	76.50
8	Haryana	10.06	20.20	30.26	57.34	151.57	98.02
9	Himachal Pradesh	3.99	2.71	6.70	59.08	346.90	88.88
10	Jharkhand	10.94	8.43	19.37	36.84	78.84	47.97
11	Karnataka	21.44	38.85	60.28	57.23	125.27	88.05
12	Kerala	17.84	18.03	35.87	236.68	63.26	99.53
13	Madhya Pradesh	21.10	28.45	49.55	33.68	110.17	56.01
14	Maharashtra	33.06	77.11	110.17	50.60	122.71	85.95
15	Manipur	0.97	1.32	2.29	44.21	122.63	70.03
16	Meghalaya	1.34	0.75	2.09	49.59	106.63	61.41
17	Mizoram	0.54	0.71	1.24	95.51	101.36	98.76
18	Nagaland	0.98	0.68	1.66	83.70	61.99	73.18
19	Odisha	17.16	8.75	25.91	47.72	102.12	58.19
20	Punjab	9.58	17.71	27.29	53.60	134.05	87.79
21	Rajasthan	26.01	26.07	52.07	43.05	117.40	63.03
22	Sikkim	0.38	0.28	0.66	114.22	76.01	94.05
23	Tamil Nadu incl. Chennai	17.45	45.63	63.08	49.63	108.34	81.63
24	Telangana	13.25	23.19	36.44	67.93	122.56	94.83
25	Tripura	1.07	1.13	2.19	43.05	64.79	52.02
26	Uttar Pradesh (UPE+UPW)	65.21	66.30	131.51	35.88	113.70	54.78
27	Uttarakhand	4.78	5.07	9.85	63.71	116.38	83.07
28	West Bengal incl. Kolkata	25.53	38.39	63.92	40.90	102.27	63.95
Union Territories							
1	Andaman & Nicobar Islands	0.23	0.21	0.43	101.33	113.81	106.96
2	Chandigarh	0.03	1.37	1.40	-	-	112.13
3	Dadar & Nagar Haweli (incl. Daman & Diu)	0.29	0.56	0.85	122.06	47.07	59.67
4	Delhi	0.30	35.24	35.53	-	-	160.92
5	Jammu & Kashmir	4.57	5.38	9.95	48.10	125.91	72.23
6	Ladakh	0.32	0.11	0.43	153.25	115.71	141.18
7	Lakshdweep	0.05	0.003	0.05	-	-	76.34
8	Puduchery	0.36	0.80	1.16	71.35	66.29	67.79
Total		406.97	563.19	970.16	44.99	111.64	68.86

ISP Connectivity

- 1.53 The International Internet bandwidth owned by various service providers is reported to be 51,726 Gbps during the quarter ending Dec-24 as compared to 49,351 Gbps during the previous quarter.

Public WiFi Hotspot

- 1.54 A public Wi-Fi hotspot is an area where you can access Wi-Fi enabled internet. These areas are usually created in places such as malls, coffee shops, airports, stadiums, and parks to name a few. As per the information furnished by operators, the details as on 31st December 2024 as tabulated below. State/UT wise information on Public Wi-Fi Hotspots, as on 31st December 2024, available at **Annexure-1.6**.

Table 1.34 : No. of Public Wi-Fi Hotspots, Access Points, Wi-Fi Users and Aggregate Data Consumed, at the end of Dec-24

S. No.	Category	Sep-24	Dec-24	Growth (%)
1.	Public Wi-Fi Hotspots	164803	46878	-71.56*%
2.	Number of Access Points	385154	153873	-60.05*%
3.	Number of unique Wi-Fi Users	8345556	7475280	-10.43*%
4.	Aggregate Data Consumed (TB) during the quarter	18431	15714	-14.74%

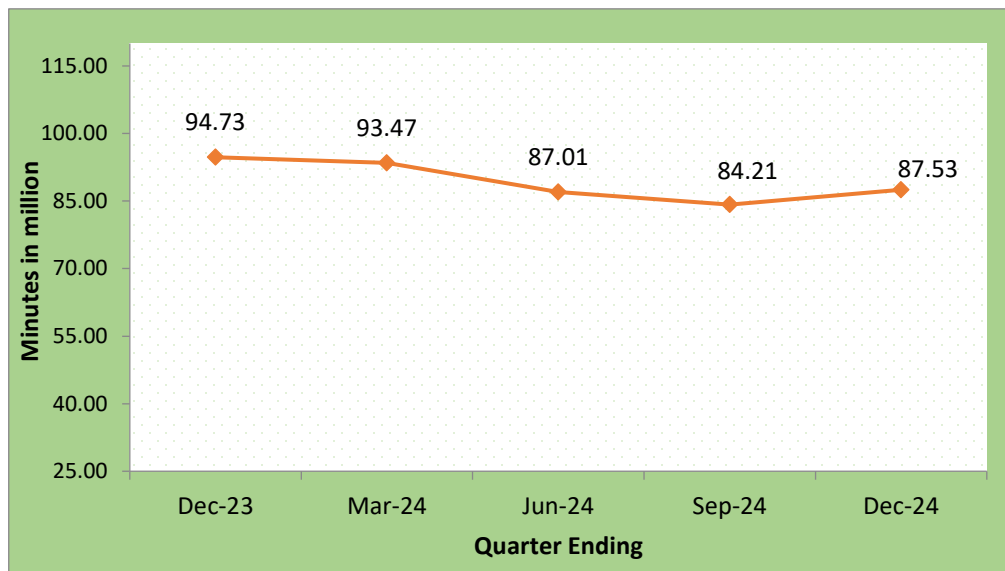
* The variation in no. of public Wi-Fi hotspots is on account of surrender of ISP license by M/s CSC Wi-Fi Choupal Services India Pvt. Ltd.

Internet Telephony

- 1.55 As per the reports received from 19 service providers, providing Internet Telephony services, the total outgoing minutes of usage for internet telephony increased from 84.21 million minutes at the end of Sep-24 to 87.53 million

minutes at the end of Dec-24. List of Internet Telephony Service providers is available at **Annexure-1.7**.

Chart 1.23 : Trends in MOU for Internet Telephony

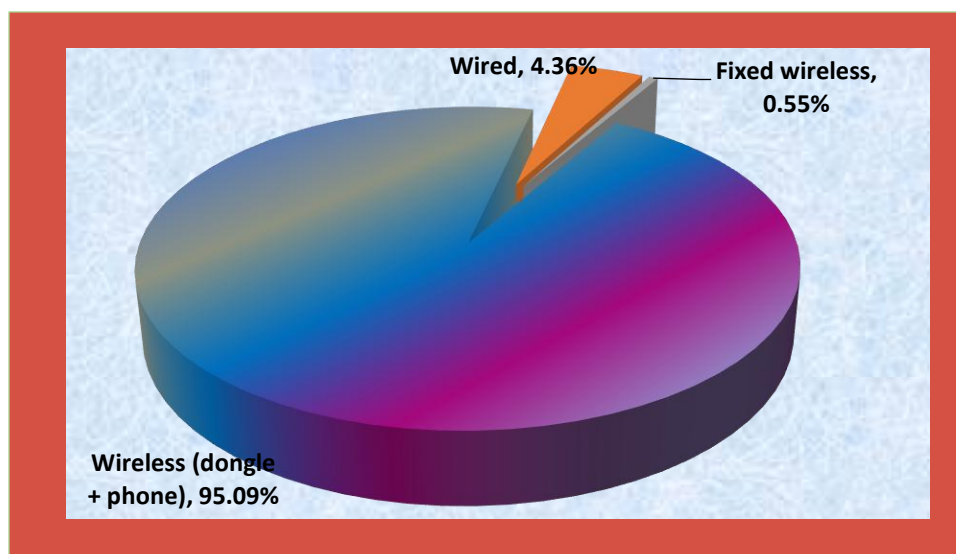


Part-II : Broadband Service (Download Speed $\geq$ 2Mbps)

- 1.56 The total number of broadband subscribers increased from 944.39 million at the end of Sep-24 to 944.96 million at the end of Dec-24. Out of which number of wired broadband subscribers are 41.19 million and wireless broadband subscribers are 903.78 million.
- 1.57 Top five broadband (wired+wireless) service providers in term of subscribers are Reliance Jio 476.58 million, Bharti Airtel 289.31 million, Vodafone Idea Ltd 126.38 million, BSNL 35.33 million and Atria Convergence 2.27 million.
- 1.58 In wired broadband segment, Reliance Jio Infocomm Ltd. holds 27.87% market share with 11.48 million subscribers followed by Bharti Airtel Ltd. with market share of 20.77% and 8.55 million subscribers in QE Dec-24.

- 1.59 In wireless broadband segment, Reliance Jio holds 51.46% market share with 465.10 million subscribers followed by Bharti Airtel Ltd. 31.06% market share with 280.76 million subscribers in QE Dec-24.
- 1.60 Top five service areas in respect of broadband subscriptions at Q.E. Dec-24 are Maharashtra 78.54 million, U.P.-East 77.12 million, Bihar 72.16 million, Andhra Pradesh 71.28 million and Madhya Pradesh 66.26 million.

Chart 1.24 : Composition of Broadband subscription – Technology wise



- 1.61 Mobile Device Users (dongle+phone) constitute 95.09% of total broadband subscribers at the end of Dec-24.

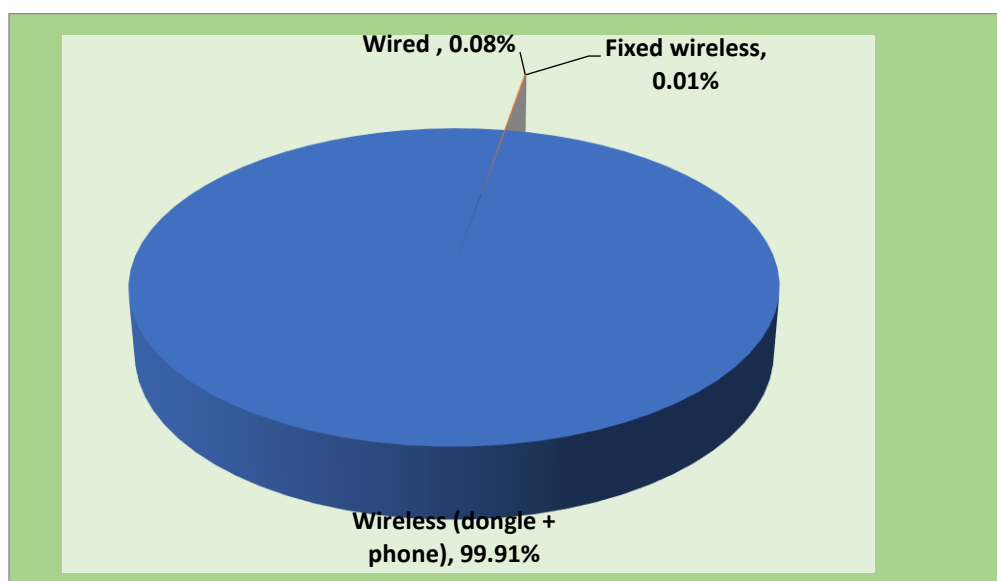
Part-III : Narrowband Service (Download Speed <2 Mbps)

- 1.62 Total number of narrowband subscribers decreased from 27.11 million at the end of Sep-24 to 25.20 million at the end of Dec-24 with the quarterly rate of decline 7.03%. Out of 25.20 million narrowband subscribers, Wired Narrowband subscribers are 0.02 million and Wireless Narrowband subscribers are 25.18 million.
- 1.63 The top five narrowband (wired+wireless) service providers in term of subscriber base are Bharti Airtel 14.30 million, Vodafone Idea Ltd 7.85 million,

BSNL 3.03 million, MTNL 0.01 million and NCore Creative Technologies Pvt. Ltd. (VNO) 0.001 million at the end of Dec-24.

- 1.64 In wired narrowband segment, BSNL hold 76.28% market share with 0.02 million subscribers followed by Reliance Communications Limited with 0.001 million subscribers.
- 1.65 In wireless narrowband segment, Bharti Airtel holds 56.81% market share with 14.30 million subscribers followed by Vodafone Idea Ltd with 7.85 million subscribers at the end of Dec-24.

Chart 1.25 : Composition of Narrowband subscription – Technology wise



Section E: - Other Value Added Services - PMRTS & VSAT

Public Mobile Radio Trunk Services (PMRTS)

1.66 The subscriber base of PMRTS decreased from 66,066 at the end of Sep-24 to 65,996 at the end of Dec-24 with quarterly rate of decline 0.11%.

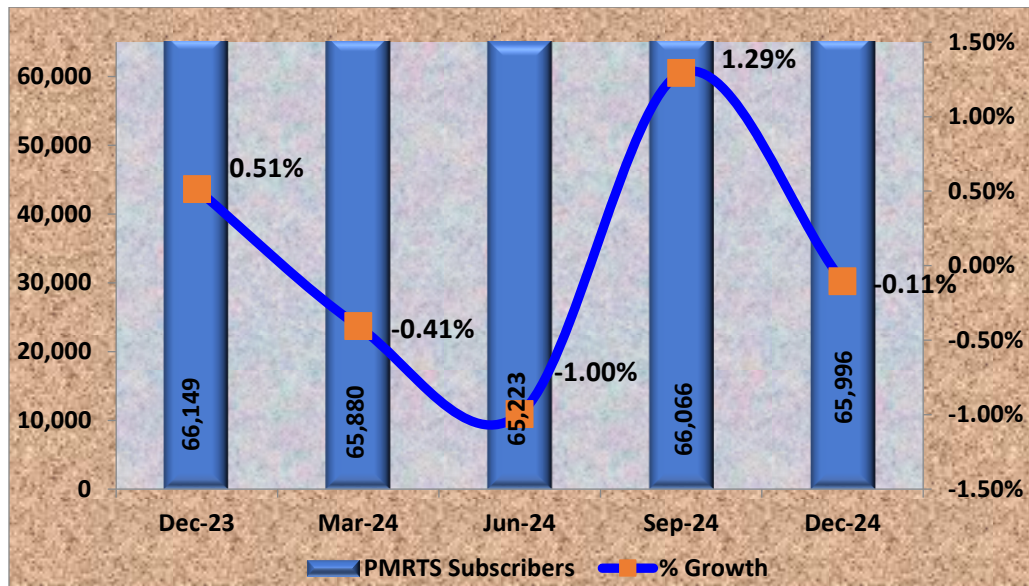
Table 1.35: PMRTS Subscriber base - Service Provider wise

Sl. No	Name of the Service Provider	Subscriber Base as on 30.09.2024	Subscriber Base as on 31.12.2024	Net Addition	% Growth in subscribers in QE Dec-24
1.	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	53,231	53,177	-54	-0.10%
2.	Array	-	8,303	8303	-
3.	Inative Networks Pvt Ltd	1,820	1,820	0	0.00%
4.	Airtalk Solutions & Services Pvt Ltd	1,400	1,550	150	10.71%
5.	Wiwonet Solutions Pvt Ltd	1,146	1,146	0	0.00%
6.	Procall Ltd	4,069			
7.	Quick Call	2,032			
8.	Smartalk Pvt Ltd	1,477			
9.	Bhilwara Telenet Services Pvt.Ltd	891			
Total		66066	65996	-70	-0.11%

Note: (In accordance with DOT letter no: No 311-270/2021-CS-I Dated 29/10/2024 reg. - Taking on record the demerger of PMRTS division of M/s Procall Private Limited, M/s Quickcall Private Limited, M/s Smartalk Private Limited and M/s Bhilwara Private Limited and vesting thereof in M/s Array Team Call Private Limited.

1.67 Detailed table on Service Area wise subscriber base of PMRTS as on 31st December, 2024 is available at **Annexure-1.8**.

Chart 1.26: Number of PMRTS subscribers & Rate of Growth (%)



Very Small Aperture Terminal (VSAT)

1.68 The total number of VSAT subscribers increased from 2,52,183 at the end of Sep-24 to 2,52,612 at the end of Dec-24. Net increase during the quarter has been 429 at the rate of growth of 0.17%.

Chart 1.27 : Number of VSAT Subscribers & Rate of Growth (%)

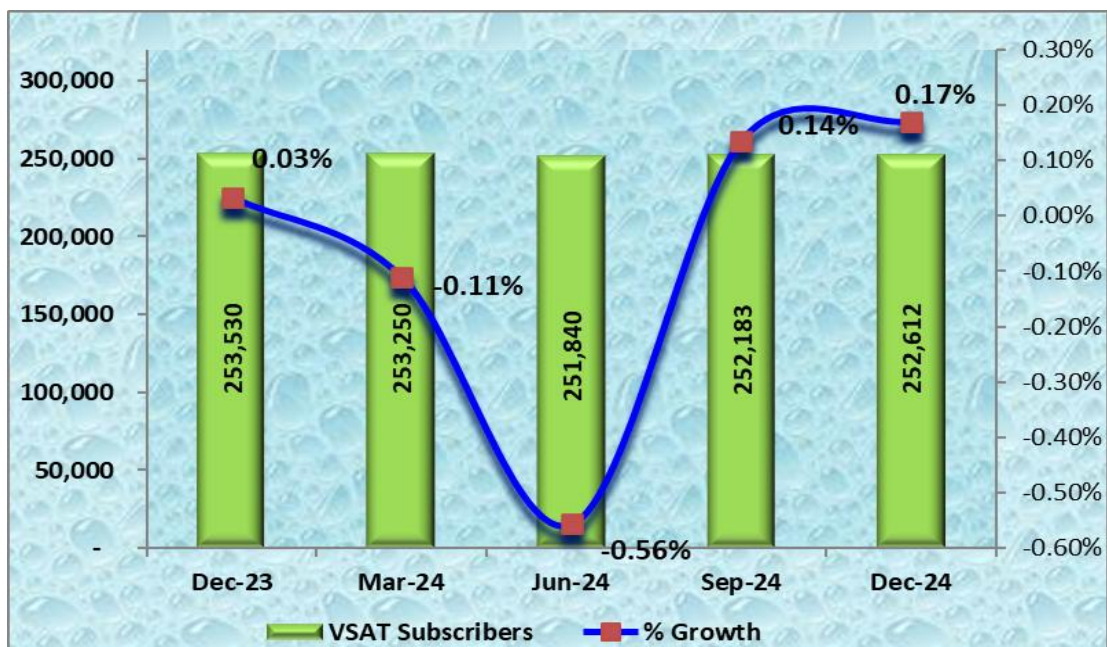


Table 1.36: - VSAT Service Providers currently providing service & their subscriber base

Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		Net Addition	%age Growth	Market Share (%)
		Sep-24	Dec-24			
1	Hughes Communications Ltd.	1,81,006	181,814	808	0.45%	71.97%
2	Nelco Ltd.	63,623	63,369	-254	-0.40%	25.09%
3	BSNL	4,816	4,656	-160	-3.32%	1.84%
4	Infotel Satcom	2,686	2,686	0	0.00%	1.06%
5	JIO-VSAT	45	80	35	0.00%	0.03%
6	Cloudcast Digital	7	7	0	0.00%	0.00%
Total		2,52,183	2,52,612	429	0.17%	100

1.69 Hughes Communications Ltd. is the market leader having 1,81,814 subscribers with market share of 71.97% followed by Nelco Ltd. having 63,369 subscribers with market share of 25.09% at the end of Dec-24.

1.70 In term of net addition except BSNL and NELCO Ltd. all other service providers have registered growth in their VSAT subscribers during this quarter.

Chapter 2 :

Revenue and Usage

Wireless Services

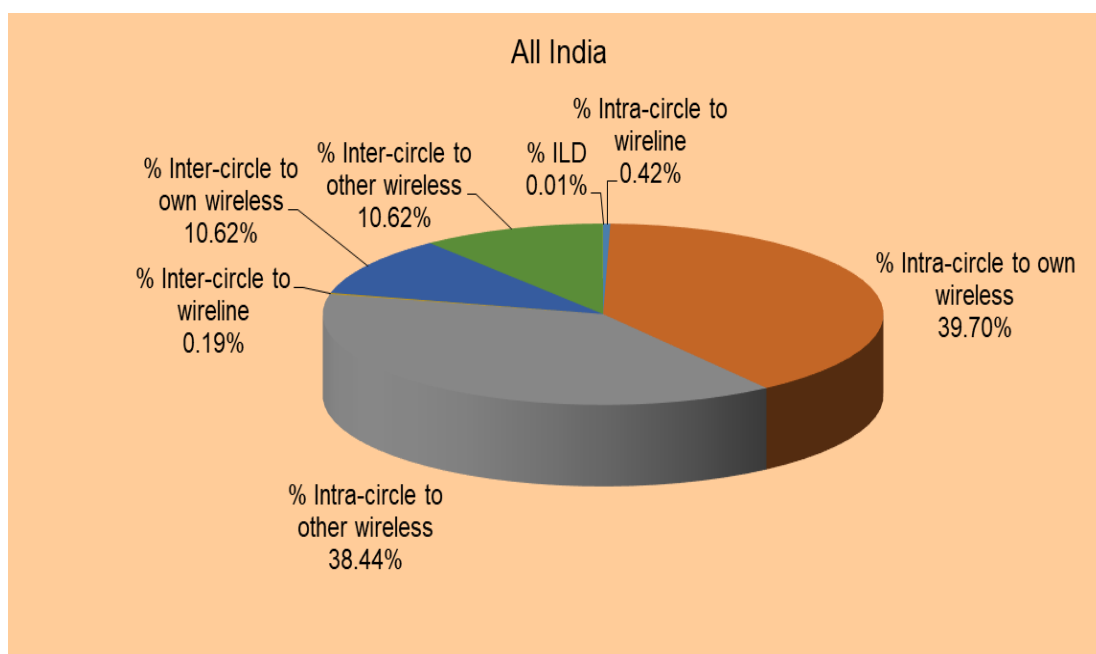
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- For all the parameters, Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN.
 - ARPU arrived after adjusting interconnect usage charges and roaming settlement charges.
 - The data contained in this section covers the licensees, who have been providing service during the entire period from 1st October, 2024 to 31st December, 2024 in the various service areas.

Table 2.1: Key Indicators – Wireless Services

Parameter	Dec-24	Sep-24	Dec-23	QoQ %age change	YoY %age change
Share of Prepaid (%)	91.53%	91.83%	92.54%	-0.32%	-1.09%
Incoming MOU per subscriber per month	505.37	486.63	473.32	3.85%	6.77%
Outgoing MOU per subscriber per month	504.04	487.49	481.51	3.40%	4.68%
No. of Outgoing SMS per subscriber per month	11.06	11.18	11.26	-1.08%	-1.84%
Average Revenue Per User (ARPU) per month (Rs.)	181.80	172.57	152.55	5.34%	19.17%

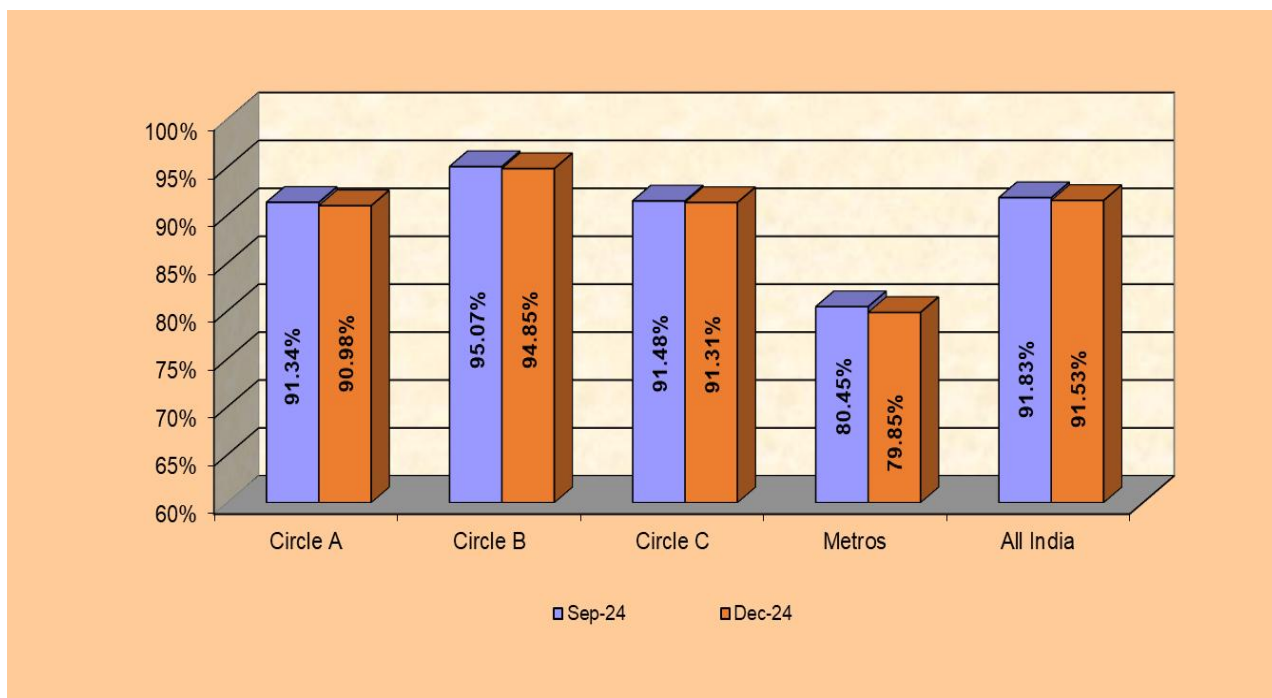
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Dec-24.

Chart 2.1: % Break-up of Outgoing minutes from Home Service Area (HSA) during Q.E. Dec-2024



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: Pre-paid subscribers as a percent of total 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 91.83% at the end of Sep-2024 to 91.53% at the end of Dec-2024.
- 2.4 Overall blended ARPU increased by 5.34% from Rs.172.57 in Q.E. Sep-2024 to Rs.181.80 in Q.E. Dec-2024. The ARPU for private service providers increased by 5.99% from Rs. 179.67 in Q.E. Sep-2024 to Rs. 190.43 in Q.E. Dec-2024 and for PSU decreased by 5.22% Rs.87.32 in Q.E. Sep-2024 to Rs.82.76 in Q.E. Dec-2024.
- 2.5 The ARPU per month for the pre-paid segment is Rs.180.91 and for the post-paid segment is Rs.191.51 for Q.E. Dec-2024.
- 2.6 The following table presents the ARPU per month for various categories of circles and platforms for payment viz. post-paid and pre-paid.

Table 2.2: Monthly ARPU – Wireless Services in QE Dec-24

Circle Category	ARPU per month (in Rs.)		
	Post-paid	Pre-paid	Blended
Circle A	216.11	204.99	205.98
Circle B	163.05	171.08	170.67
Circle C	169.66	173.89	173.53
Metros	200.00	148.89	159.02
All India	191.51	180.91	181.80
All private SPs	196.13	189.89	190.43
BSNL/MTNL	100.36	81.83	82.76

2.7 The following table presents the composition of ARPU per month for QE Dec-24.

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 per subscriber per month
1	Usage from Home Service Area		
1.1.	Rental Revenue	0.96	0.51
1.2.	Revenue from calls	15.12	8.03
1.3.	Revenue from SMS	0.18	0.09
1.4.	Revenue from data usage	161.99	86.04
1.5.	Revenue from Other VAS	1.41	0.75
1.6.	Other revenue	6.97	3.70
2	B. Usage outside Home Service Area		
2.1	Revenue from outroamers	1.65	0.88
3	C. Total revenue from home subscribers (A+B)	188.28	100.00
4	D. Revenue from inroamers and interconnect charges received	24.95	
5	E. Total Gross Revenue (C+D)	213.23	
6	F. Net inter-operable settlement charges payable	-31.43	
7	Net Revenue (ARPU) (E+F)	181.80	

* includes Interconnect Usages Charges (IUC) and Roaming Settlement Charges (RSC).

#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 On an all-India average, the overall MOU per subscriber per month Increased by 3.62% from 974 in Q.E. Sep 2024 to 1009 in Q.E. Dec 2024.

2.9 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. Dec-24.

Table 2.4: MOU per subscriber per month - QE Dec-24

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	266	254	520	481	477	958	462	457	919
Circle B	254	254	508	518	525	1043	505	511	1016
Circle C	318	315	633	641	659	1300	613	630	1243
Metro	247	227	474	514	488	1003	461	436	898
All India	268	258	526	526	528	1053	504	505	1009

2.10 The overall ratio of incoming MOUs and outgoing MOUs for the Q.E. Dec-2024 is 50:50.

2.11 Average number of Outgoing SMS per subscriber per month is 11 in Q.E. Dec - 2024. 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. Dec-2024.

Table 2.5: No. of Outgoing SMS per subscriber per month during QE Dec-24

Circle category	Outgoing SMS per subscriber per month		
	Post-paid	Pre-paid	Blended
Circle A	11	11	11
Circle B	5	10	10
Circle C	10	16	16
Metro	10	8	8
All India	9	11	11

Chart 2.3 : Minutes of Usage by Out-roamers as a % of Total Minutes of Usage during Q.E. Dec-2024

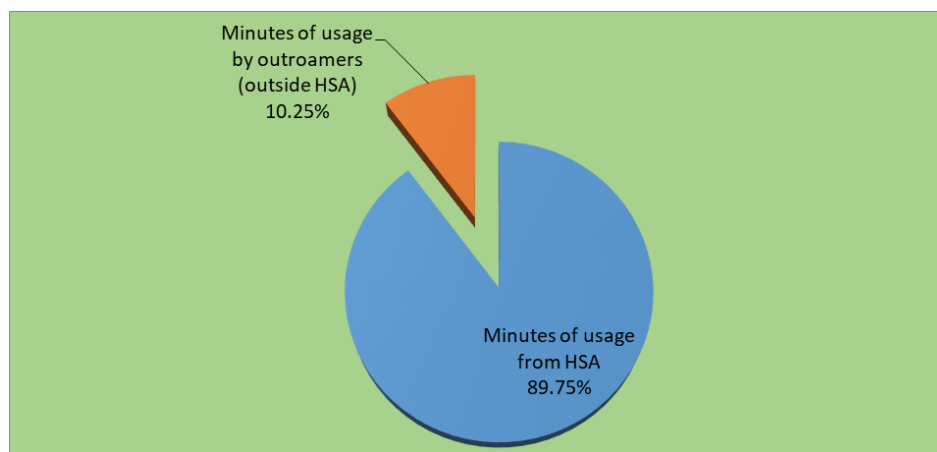
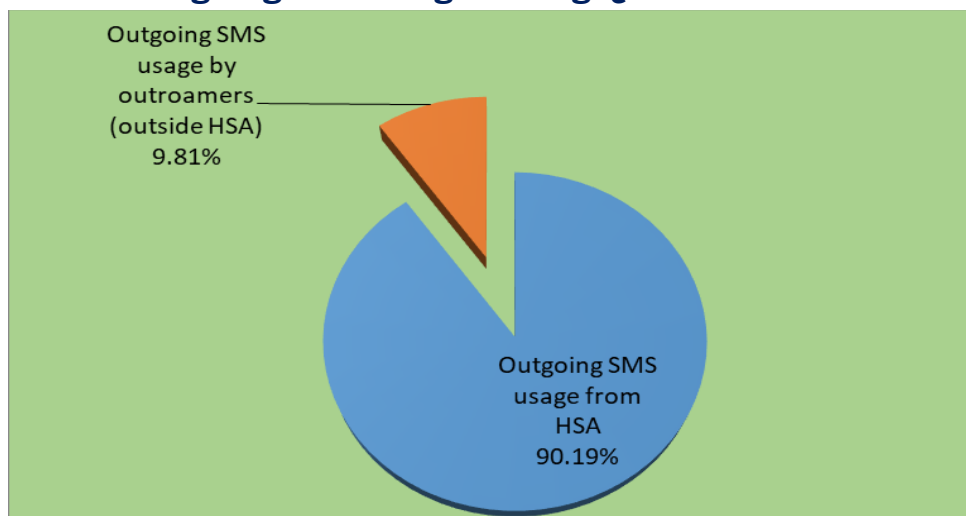


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage during Q.E. Dec-2024



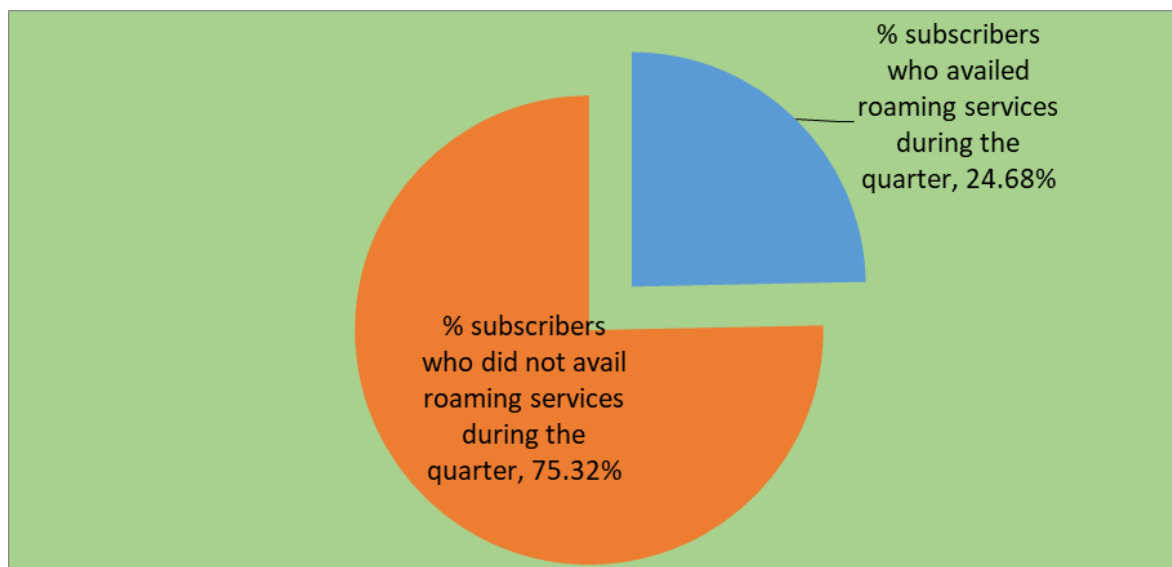
2.12 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks in the Q.E. Dec-24.

Table 2.6: % Break-up of Outgoing minutes from Home Service Area (HSA) during the Q.E. Dec-2024

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	0.40%	42.27%	42.84%	0.17%	7.09%	7.22%	0.01%
Circle B	0.43%	38.71%	39.33%	0.16%	10.58%	10.79%	0.01%
Circle C	0.31%	42.15%	32.59%	0.18%	13.04%	11.73%	0.00%
Metros	0.69%	28.74%	31.00%	0.41%	18.77%	20.36%	0.03%
All India	0.42%	39.70%	38.44%	0.19%	10.62%	10.62%	0.01%

2.13 The following chart presents the share of outroamers (who had availed roaming services) as a percentage of total subscribers during Q.E. Dec-24.

Chart 2.5: % Share of outroamers as a percentage of total subscribers during Q.E. Dec-2024



2.14 The usage pattern of outroamers i.e. usage from outside the home service area shows that incoming minutes accounts for 48.48% of the total minutes of usage by outroamers in Q.E. Dec-2024 as against 48.40% in the Q.E. Sep-2024. The chart given below presents the break-up of minutes of usage of outroamers.

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

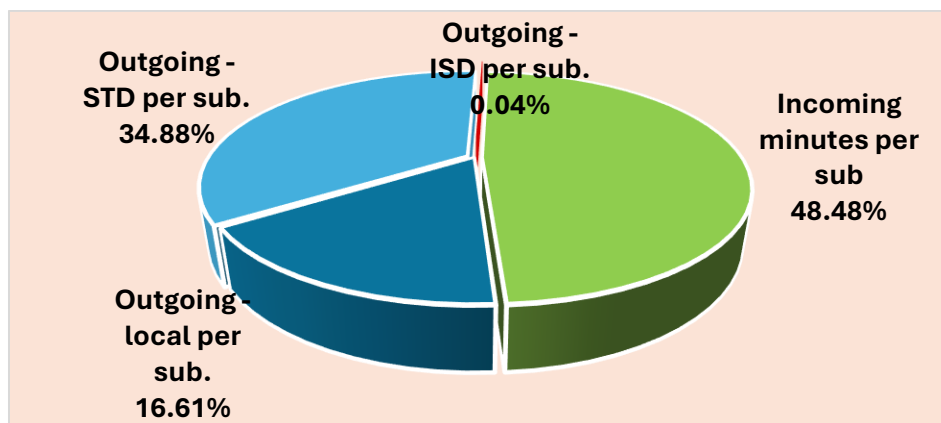


Table 2.7: Trends of Key Parameters - Wireless Services

Parameter	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24
1. ARPU (Rs. Per month)	153	154	157	173	182
2. Average revenue Realization per subscriber per GB wireless data (in Rs.)	9.13	8.74	8.31	9.08	9.34
3. MOU per subscriber per month	955	995	974	974	1009
4. Outgoing MOU per subscriber per month					
4.1 Local (Intra-circle)	356	366	361	359	371
4.2 NLD (inter-circle)	126	131	126	128	133
4.3 ILD	0.04	0.04	0.04	0.04	0.04
5. Average no. of Outgoing SMS per subscriber per month	11	11	11	11	11

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

Chapter 3 :

Financial Data of Telecom Service Sector

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

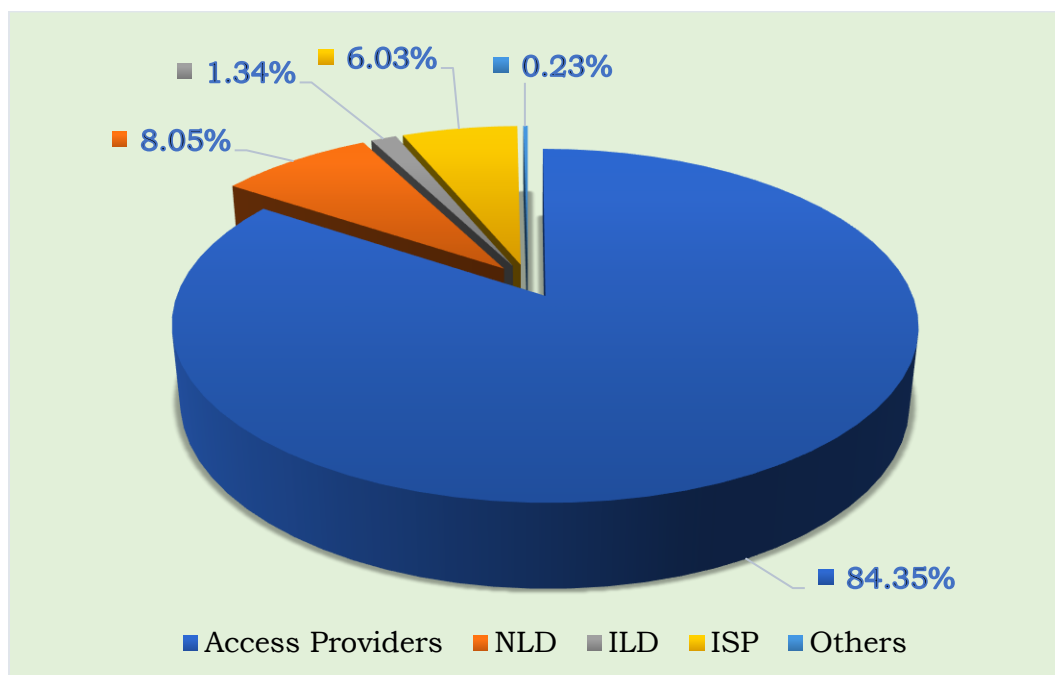
Particulars	QE Dec-23 (Rs. in Crore)	QE Sep-24 (Rs. in Crore)	QE Dec-24 (Rs. in Crore)	Q-O-Q % Change	Y-O-Y % Change
Gross Revenue (GR)	84500	91426	96390	5.43%	14.07%
Applicable Gross Revenue (ApGR)	81101	88236	92342	4.65%	13.86%
Adjusted Gross Revenue (AGR)	67835	75310	77934	3.48%	14.89%
Pass Through Charges (PTC)	13452	12926	14410	11.48%	7.12%
License Fee (LF)	5433	6023	6234	3.50%	14.75%
Spectrum Usage Charges (SUC)	845	946	989	4.59%	17.02%

- 3.1 Gross Revenue (GR) increased by 5.43%, Applicable Gross Revenue (ApGR) increased by 4.65% and Adjusted Gross Revenue (AGR) increased by 3.48% during QE Dec-24. On YoY basis GR increased by 14.07%, ApGR increased by 13.86% and AGR increased by 14.89% in QE Dec-24.
- 3.2 Pass through charges increased by 11.48% in QE Dec-24 and on YoY basis it also increased by 7.12%.
- 3.3 Pass-through charges as a percentage of Gross Revenue are 14.95% in QE Dec-24 as against 14.14% in the previous quarter.

**Table 3.2: Financial performance of service segments in Q.E. Dec, 24
(in Rs. Crore)**

Service	GR	ApGR	AGR	LF	SUC	PTC
Access Providers	79143.77	76048.21	65738.58	5259.73	984.66	10310.99
NLD	7096.15	6548.50	6274.72	502.34	-	273.78
ILD	3447.07	3382.19	1042.49	83.46	-	2339.70
ISP	6464.39	6166.12	4696.92	375.77	-	1470.36
Others	238.76	196.94	180.79	12.68	4.32	16.15
Total	96390.13	92341.95	77933.50	6233.98	988.99	14410.08

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 84.35% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR), Applicable Gross Revenue (ApGR), Adjusted Gross Revenue (AGR), License Fee, Spectrum Usage Charges (SUC)⁸ and Pass Through Charges increased by 4.87%, 4.52%, 4.30%, 4.28%, 4.62% and 5.96% respectively in QE Dec-24.

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

Service Provider	AGR			Q-o-Q Growth (%)	Y-o-Y Growth (%)
	Rs. In Crore				
	QE Dec-23	QE Sep24	QE Dec-24		
Reliance Jio	24862.85	27652.68	28542.76	3.22	14.80
Bharti Group	20480.58	24632.84	26073.70	5.85	27.31
Vodafone Idea Ltd	7459.08	7836.98	7958.46	1.55	6.69
BSNL	2011.84	1996.77	2292.47	14.81	13.95

⁸ 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	AGR			Q-o-Q Growth (%)	Y-o-Y Growth (%)
	Rs. In Crore				
	QE Dec-23	QE Sep24	QE Dec-24		
Tata Teleservices Ltd./ Tata Teleservices (Maharashtra) Ltd.	655.55	689.26	654.47	-5.05	-0.16
MTNL	142.02	152.81	150.93	-1.23	6.27
Reliance Communication Ltd./ Reliance Telecom Ltd.	45.00	42.47	42.00	-1.11	-6.67
Equinix India Services Pvt. Ltd (erstwhile GPX Services)	3.95	3.22	4.15	28.78	5.07
Transmedia DigiComm Pvt. Ltd.	0.00	0.00	3.63	-	-
Quadrant	4.76	3.14	3.28	4.58	-31.03
Ubona Technologies Pvt. Ltd.	0.00	0.00	2.12	-	-
Simple Telecom Pvt. Ltd.	0.00	0.00	2.10	-	-
Satzilio Telecom Pvt. Ltd. (erstwhile V-con)	2.97	14.55	1.88	-87.10	-36.76
ZVC India Pvt. Ltd.	0.00	0.59	1.34	127.24	-
Sampath Venkateswara Communications Pvt. Ltd.	0.00	0.00	1.31	-	-
Crux Digital Pvt. Ltd.	0.00	0.00	1.05	-	-
Webex Meghbela Broadband Pvt. Ltd.	0.00	0.86	0.91	5.95	-
Sify Technologies Ltd.	0.00	0.04	0.80	1799.47	-
Tata Play Fiber (earstwhile Tata Sky)	0.99	0.70	0.68	-2.65	-31.62
Telangana Fiber Grid Corporation Limited	0.00	0.46	0.26	-44.72	-
Shyam Spectra	0.21	0.24	0.15	-35.21	-25.53
Ishan Netsol	-0.01	-0.04	0.05	218.83	724.29
Aces India Pvt. Ltd.	0.00	0.00	0.03	-	-
Skylnk Fibernet Pvt. Ltd.	0.00	0.00	0.01	-	-
Surrround Networks Pvt. Ltd.	0.00	0.00	0.01	-	-
Alliance Broadband Services Pvt. Ltd.	0.00	0.01	0.01	-7.21	-
Fusion net	-0.03	-0.02	0.00	0.00	0.00
Total	55669.76	63027.57	65738.58	4.30	18.09

3.5 Public Sector Undertakings' share in the Access AGR of telecom services is 3.72% in the QE Dec-24.

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

LSA	Q.E. Dec-2023		Q.E. Sep-24		Q.E. Dec-24	
Category	AGR	% share of AGR	AGR	% share of AGR	AGR	% share of AGR
	(Rs. in crore)		(Rs. In crore)		(Rs. In crore)	
Metro	5,830.44	10.47	6,443.69	10.22	6,312.89	9.60
A	20,670.15	37.13	22,774.81	36.13	24,385.12	37.09
B	20,731.60	37.24	24,144.38	38.31	24,913.48	37.90
C	8,437.57	15.16	9,664.22	15.33	10,127.09	15.41
Total	55,669.76		63,027.10		65,738.58	

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 reference to TRAI's Order No.RP-5/13/(8)/2022/FEA-II, dated 12th December, 2022.
3. The figures have been re-grouped wherever considered necessary for analysis purpose.
4. Percentage of contribution of Six TSPs of Public Sector (BSNL, MTNL, Rail Tel, Power Grid, Oil India and Bharat Broadband) to AGR in NLD Service and three TSPs of Public Sector (BSNL, MTNL and Telangana Fiber Grid Corporation Limited) in Access Services and Two TSPs of Public Sector (BSNL and Rail Tel) in ILD Services and Five TSPs of Public Sector (BSNL, MTNL, Rail Tel, Power Grid, Bharat Broadband Network India) in ISP 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.

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service of Performance of Access Service (Wireless)

Table 4.1: QoS Summary - Access Service (Wireless)

Summary of performance of access service (wireless) against prescribed QoS parameters

S. No.	Parameter	Benchmark	Out of total 88 PMRs, the number of PMRs where Service Providers are not meeting the benchmarks	
			QE Dec, 2024	
			Nos.	%age
I. Network Availability				
(i)	Availability of service wise geospatial coverage map on service provider’s website for percentage of working cells	≥ 99%	See Note (a)	See Note (a)
(ii)	Cumulative downtime (Cells not available for service)	≤ 2%	1	1.1%
(iii)	Worst Affected Cells due to downtime	≤ 2%	3	3.4%
(iv)	Percentage of significant network outage (services not available in a district for more than 4 hours) reported to the Authority within 24 hrs of start of the outage	100%	0	0.0%
II. Voice Connection Establishment (Accessibility)				
(v)	Call Set-up Success Rate: Intra- Service provider (within service provider’s network)	≥ 98%	1	1.1%
(vi)	Call Set-up Success Rate: Inter- Service provider (incoming from other service providers’ network)	≥ 95%	1	1.1%
(vii)	Point of Interconnection (POI) Congestion (90th percentile value)	≤ 0.5%	0	0.0%
III. Voice Connection Maintenance (Retainability)				
(viii)	DCR Spatial Distribution Measure for Circuit Switched (2G/3G) network [CS_QSD (88, 88)]	≤ 2%	2	2.3%

(ix)	DCR Spatial Distribution Measure for Packet Switched (4G/5G and beyond) network [PS_QSD (92, 92)]	$\leq 2\%$	3	3.4%
(x)	Downlink Packet Drop Rate for Packet Switched Network (4G/5G and beyond) [DLPDR_QSD (88, 88)]	$\leq 2\%$	2	2.3%
(xi)	Uplink Packet Drop Rate for Packet Switched Network (4G/5G and beyond) [ULPDR_QSD (88, 88)]	$\leq 2\%$	13	14.8%
IV. Broadband Service				
(xii)	Latency (in 4G and 5G network)	≤ 75 msec	0	0.0%
(xiii)	Packet Drop Rate (in 4G and 5G network)	$\leq 3\%$	0	0.0%
(xiv)	Percentile value of measured test samples for which download and upload speed is $\geq$ offered typical download and upload speed in tariff offerings	80th percentile	1	1.1%
V. Customer Service				
(xv)	Billing and charging complaints	$\leq 0.1\%$	0	0.0%
(xvi)	Resolution of billing/charging complaints within four weeks	100%	1	1.1%
(xvii)	Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	100%	0	0.0%
(xviii)	Accessibility of call centre/customer care	$\geq 95\%$	0	0.0%
(xix)	Percentage of calls answered by the operators (voice to voice) within 90 seconds	$\geq 95\%$	4	4.5%
(xx)	Termination/ closure of service within seven working days of receipt of customer's request	100%	0	0.0%
(xxi)	Refund of deposits within 45 days of closure of service or non-provisioning of service	100%	0	0.0%

Note:

- a) As per the regulations, parameter “Availability of service wise geospatial coverage map on service provider’s website for percentage of working cells” will be effective from 1st April 2025. Hence this parameter is not applicable for the current reporting period.
- b) QoS parameters and their benchmarks have been revised w.e.f. 1st October 2024. Therefore, comparison of the performance with respect to quarter ending Sept 2024 cannot be shown.
- c) M/s MTNL does not provide services on Packet Switched Network (4G/5G and beyond). Therefore, performance against parameters at sl. no. (ix) to (xiii) has not been reported by M/s MTNL.
- d) M/s BSNL does not provide services on Packet Switched Network (4G/5G and beyond) in RJ and TN LSAs. Therefore, performance against parameters at sl. no. (ix) to (xiii) has not been reported by M/s BSNL for RJ and TN LSAs.
- e) M/s RJIL does not provide services on Circuit Switched (2G/3G) network. Therefore, performance against parameters at sl. no. (viii) has not been reported by M/s RJIL.

4.1 Comparison of Performance with the last quarter: -

- ❖ QoS parameters and their benchmarks have been revised w.e.f. 1st October 2024. Therefore, comparison of the performance with respect to quarter ending Sept 2024 cannot be shown.

Table 4.2: Parameter wise analysis of non-compliance of service providers

Parameter	Benchmark	Service Provider	LSA	Performance
Cumulative downtime (Cells not available for service)	$\leq 2\%$	BSNL	NE	2.76
Worst Affected Cells due to downtime	$\leq 2\%$	BSNL	WB	2.71
		VIL	AS	2.87
			NE	2.57
Call Set-up Success Rate: Intra- Service provider (within service provider’s network)	$\geq 98\%$	MTNL	DL	95.86
Call Set-up Success Rate: Inter- Service provider (incoming from other service providers’ network)	$\geq 95\%$	BSNL	WB	70.50
DCR Spatial Distribution Measure for Circuit	$\leq 2\%$	AIRTEL	GJ	2.17

Switched (2G/3G) network [CS_QSD (88, 88)]			MP	2.44
DCR Spatial Distribution Measure for Packet Switched (4G/5G and beyond) network [PS_QSD (92, 92)]	$\leq 2\%$	AIRTEL	OR	2.13
		VIL	AS	2.10
			NE	2.09
Downlink Packet Drop Rate for Packet Switched Network (4G/5G and beyond) [DLPDR_QSD (88, 88)]	$\leq 2\%$	AIRTEL	HP	2.62
			NE	2.34
Uplink Packet Drop Rate for Packet Switched Network (4G/5G and beyond) [ULPDR_QSD (88, 88)]	$\leq 2\%$	AIRTEL	AP	3.76
			BR	2.18
			HP	2.15
			HR	4.80
			KOL	4.77
			KR	2.20
			MP	2.41
			OR	3.24
			PB	3.83
			TN	2.91
			UPE	3.43
			WB	5.07
		RJIL	WB	2.05
Percentile value of measured test samples for which download and upload speed is $\geq$ offered typical download and upload speed in tariff offerings	80th percentile	BSNL	MH	Measured Upload speed is 1.14 Mbps against offered typical upload speed of 3 Mbps
Resolution of billing/charging complaints within four weeks	100%	BSNL	WB	99.06
Percentage of calls answered by the operators (voice to voice) within 90 seconds	$\geq 95\%$	BSNL	AP	26.12
			KR	65.20
			KT	25.70
			TN	79.29

4.2 **List of Parameters which are fully complied by all the Service providers: -**

Sl No.	Parameter	Benchmark
1	Percentage of significant network outage (services not available in a district for more than 4 hours) reported to the Authority within 24 hrs of start of the outage	100%
2	Point of Interconnection (POI) Congestion (90th percentile value)	$\leq 0.5\%$
3	Latency (in 4G and 5G network)	≤ 75 msec
4	Packet Drop Rate (in 4G and 5G network)	$\leq 3\%$
5	Billing and charging complaints	$\leq 0.1\%$
6	Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	100%
7	Accessibility of call centre/ customer care	$\geq 95\%$
8	Termination/ closure of service within seven working days of receipt of customer's request	100%
9	Refund of deposits within 45 days of closure of service or non-provisioning of service	100%

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

**Section B: Quality of Service of Access Service
(Wireline) Service Providers**

Table 4.3: QoS Summary - Wireline Service

Summary of Performance of Access Service (wireline) against prescribed QoS parameters

S. No.	Parameter	Benchmark	Out of total 85* PMRs, the number of PMRs where Service Providers are not meeting the benchmarks	
			QE Dec, 2024	
			Nos.	%age
I. Service Provisioning				
(i)	Provision of a service within 7 working days of payment of demand note by the customer	≥ 98%	1	1.18%
II. Fault Repair				
(ii)	Fault incidences (No. of faults per 100 subscribers)	≤ 5	4	4.71%
(iii)	Fault repair by next working day	≥ 85%	3	3.53%
(iv)	Fault repair within three working days	≥ 99%	3	3.53%
(v)	Mean Time-To-Repair (MTTR)	≤ 10 hours	1	1.18%
III. Point of Interconnection				
(vi)	Point of Interconnection (POI) Congestion (90th percentile value)	≤ 0.5%	0	0.00%
V. Customer Service				
(vii)	Billing and charging complaints	≤ 0.1%	12	13.95%
(viii)	Resolution of billing/charging complaints within four weeks	100%	2	2.33%
(ix)	Application of adjustment to customer’s account within one week from the date of	100%	2	2.33%

	resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable			
(x)	Accessibility of call centre/customer care	≥ 95%	3	3.49%
(xi)	Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	4	4.65%
(xii)	Termination/ closure of service within seven working days of receipt of customer's request	100%	1	1.16%
(xiii)	Refund of deposits within 45 days of closure of service or non-provisioning of service	100%	5	5.81%

Note:

- * In respect of customer service parameters, percentage of PMRs where Service Providers are not meeting the benchmarks have been calculated using total 86 PMRs, as M/s Airtel has submitted the performance against customer service parameters for NE LSA also. M/s Airtel does not provide access service (wireline) in North East LSA. However, M/s Airtel provides Broadband (wireline) service in North East LSA.
- In respect of M/s Airtel, BSNL, RJIL, TTSL and TTML, performance against customer service parameters include the performance of both access service (wireline) and broadband (wireline) service.
- QoS parameters and their benchmarks have been revised w.e.f. 1st October 2024. Therefore, comparison of the performance with respect to quarter ending Sept 2024 cannot be shown.

Table 4.4: Parameter wise analysis of non-compliance of Service Providers

Parameter	Benchmark	Service Provider	Service Area	Performance
Service Provisioning- Provision of a service within 7 working days of payment of demand note by the customer	≥ 98%	MTNL	MUM	84.68
Fault Repair- Fault incidences	≤ 5	TTML	MH	6.45
			MUM	12.67
		TTSL	AP	13.82

(No. of faults per 100 subscribers)			DL	15.49
Fault Repair- Fault repair by next working day	≥ 85%	MTNL	MUM	47.40
		TTSL	GJ	81.37
			MP	66.67
Fault Repair- Fault repair within three working days	≥ 99%	MTNL	MUM	55.50
		TTSL	GJ	97.52
			KOL	98.72
Fault Repair- Mean Time to Repair (MTTR)	≤ 10 hrs	MTNL	MUM	217.39
Customer Service- Billing and charging complaints	≤ 0.1%	BSNL	AP	1.39
			AS	0.22
			BR	0.72
			HP	0.40
			JK	0.63
			KT	0.54
			KR	0.16
			KOL	0.84
			MP	1.40
			OR	0.33
			TN	0.85
			UPW	0.17
Customer Service- Resolution of billing/ charging complaints within four weeks	100%	BSNL	AP	99.65
			TN	99.27
Customer Service- Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	100%	BSNL	TN	90.14
		QTL	PB	4.00

Customer Service- Accessibility of call centre/ customer care	≥ 95%	BSNL	AP	94.07
			KT	86.88
			KR	94.34
Customer Service- Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	BSNL	AP	91.28
			KT	77.14
			KR	90.79
			TN	92.59
Customer Service- Termination/ closure of service within seven working days of receipt of customer's request	100%	MTNL	MUM	99.05
Customer Service- Refund of deposits within 45 days of closure of service or non-provisioning of service	100%	BSNL	BR	89.27
			KR	90.17
			NE	34.01
			TN	99.34
		MTNL	MUM	85.75

4.4 List of Parameters which are fully complied by all the Service providers_

- a. Point of Interconnection (POI) Congestion (90th percentile value)
(≤ 0.5%)

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

Section C : Summary of performance of Broadband (Wireline) Service against prescribed QoS parameters

4.6 Telecom Regulatory Authority of India (TRAI) has notified revised Quality of Service (QoS) Regulations namely “The Standards of Quality of Service of Access (Wireline and Wireless) and Broadband (Wireline and Wireless) Service Regulations, 2024 (06 of 2024)” on 2nd August 2024. The regulations are effective from 1st October 2024. These Regulations are applicable for both access and broadband services provided on wireline as well as wireless media.

4.7 As on 31st December 2024, there are 98 internet service providers having more than 10,000 subscribers. This report covers performance of 98 broadband service providers’ vis-à-vis the QoS benchmarks prescribed by TRAI. The summary of performance of Broadband (Wireline) Service against prescribed QoS parameters in this quarter is given in the table below: -

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

S. No.	Parameters	Benchmark	Out of total 133 PMRs, the number of PMRs where Service Providers are not meeting the benchmarks	
			QE Dec, 2024	
			Nos.	%age
I. Service provisioning				
(i)	Provision of a service within seven (7) working days of payment of demand note by the customer	≥ 98%	3	2.3%
II. Broadband Service Performance				
(ii)	Latency	≤ 50 msec	0	0.0%

S. No.	Parameters	Benchmark	Out of total 133 PMRs, the number of PMRs where Service Providers are not meeting the benchmarks	
			QE Dec, 2024	
			Nos.	%age
(iii)	Packet Drop Rate	$\leq 1\%$	0	0.0%
(iv)	Percentile value of measured test samples for which download and upload speed is $\geq$ offered typical download and upload speed in tariff offerings	90 th percentile	29 {See Note-(i)}	21.8%
(v)	Maximum Bandwidth utilization of any Customer serving node to ISP Gateway Node [Intra-network] or Internet Exchange Point Link(s)	$\leq 80\%$	0	0.0%
(vi)	Jitter	$\leq 40\text{ms}$	1	0.8%
III. Fault Repair				
(vii)	Fault incidences (No. of faults per 100 subscribers)	≤ 5	19	14.3%
(viii)	Fault repair by next working day	$\geq 85\%$	7	5.3%
(ix)	Fault repair within three working days	$\geq 99\%$	9	6.8%
IV. Customer Service				
(xv)	Billing and charging complaints	$\leq 0.1\%$	12	9.0%
(xvi)	Resolution of billing/ charging complaints within four weeks	100%	1	0.8%
(xvii)	Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	100%	14	10.5%
(xviii)	Accessibility of call centre/ customer care	$\geq 95\%$	1	0.8%
(xix)	Percentage of calls answered by the operators (voice to voice) within 90 seconds	$\geq 95\%$	3	2.3%

S. No.	Parameters	Benchmark	Out of total 133 PMRs, the number of PMRs where Service Providers are not meeting the benchmarks	
			QE Dec, 2024	
			Nos.	%age
(xx)	Termination/ closure of service within seven working days of receipt of customer's request	100%	5	3.8%
(xxi)	Refund of deposits within 45 days of closure of service or non-provisioning of service	100%	4	3.0%

Note:

- (i) In case there are multiple non-compliances in a service area for different tariff offerings based on either download speed or upload speed or both, then it is counted as one non-compliance in the service area for the QoS parameter '*Percentile value of measured test samples for which download and upload speed is $\geq$ offered typical download and upload speed in tariff offerings*'.
- (ii) QoS parameters and their benchmarks have been revised w.e.f. 1st October 2024. Therefore, comparison of the performance with respect to quarter ending Sept 2024 cannot be shown.
- (iii) In respect of M/s Airtel, BSNL, RJIL, TTSL and TTML, performance against customer service parameters is not included in this report, as performance of both access service (wireline) and broadband (wireline) service for customer service parameters is already included in PMR of access service (wireline), as per the provisions of the QoS regulations dated 02.08.2024.

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

Parameter	Benchmark	Service Provider	Service Area	Performance
Provision of a service within 7 working days of payment of demand note by the customer	>=98%	Mahanagar Telephone Nigam Ltd.	AI	31.15
		SDH Network Pvt. Ltd.	DL	33.33
		Tata Teleservices Limited	DL	94.5
Percentile value of measured test samples for which download and upload speed is $\geq$ offered typical download and upload speed in tariff offerings	90th percentile	Aerpace Communications Pvt. Ltd.	MH	Kindly refer Annexure-4.3 for details of non-compliance
			MUM	
		BSNL	AI	
		Candor Infosolution Pvt. Ltd.	BR	
			DL	
		Excell Media Pvt. Ltd.	AP	
		Fusionnet Web Services Pvt. Ltd.	AI	
		Gazon Communications India Limited	MH	
		Genstar Network Solutions Pvt. Ltd.	MUM	
		GTPL KCBPL Broadband Private Limited	KOL	
			WB	
		HYOSEC Solutions Pvt. Ltd.	AI	
		Indinet Service Pvt. Ltd	AI	
		Infocus Networks Pvt. Ltd.	MUM	
		K NET Solutions Private Limited	TN	
		Mahanagar Telephone Nigam Ltd.	AI	
		Meghbela Cable & Broadband Services (P) Ltd	AI	
		Navkar Supertech Pvt. Ltd.	MH	
		Pacenet Meghbela Broadband Pvt. Ltd.	KOL	
		Paradise Telecom Pvt. Ltd.	MH	

		Pioneer Elabs Limited	AI	
		Quest Consultancy Pvt. Ltd.	GJ	
		RailTel Corporation of India Ltd.	AI	
		Rajesh Digital & Datacom Pvt. Ltd.	MUM	
		Sikka Broadband(P) Ltd.	UPE	
		Tata Play Broadband Private Limited	AI	
		Thamizhaga Internet Communications Pvt Ltd.	TN	
		Vainavi Industries Ltd.	AP	
		Wave Fiber Pvt. Ltd.	AP	
Jitter	<=40msec	Bharti Airtel Ltd.	AI	56.00
Fault incidences (No. of faults per 100 subscribers)	<=5	Airfiber Networks Pvt. Ltd.	TN	11.57
		Antariksh Softtech Pvt. Ltd.	MUM	14.93
			MH	13.84
		AT Broadband Pvt. Ltd.	TN	16.14
		Deshkal Network Pvt. Ltd.	KT	8.77
		Honeycomb Telnet Private Limited	AI	26.09
		Instanet Technologies Pvt. Ltd.	MH	11.7
		K NET Solutions Private Limited	TN	25.17
		Rajesh Digital & Datacom Pvt. Ltd.	MUM	13.85
		Shyam Spectra Private Limited	AI	9.08
		Sikka Broadband(P) Ltd.	UPE	64.86
		Tata Teleservices (Maharashtra) Ltd.	MUM	7.87
			MH	7.88
		Tata Teleservices Limited	BR	66.67
			DL	11.33
			GJ	17.17
			KT	10.74
			KOL	14.81

		You Broadband India Ltd.	AI	12.54
Fault Repair by Next Working Day	>=85%	Aerpace Communications Pvt. Ltd.	MH	0
		Airfiber Networks Pvt. Ltd.	KT	69.9
		Apple Broadband Services Pvt. Ltd.	AP	75
		Mahanagar Telephone Nigam Ltd.	AI	68.4
		RailTel Corporation of India Ltd.	AI	4
		Tata Teleservices Limited	AP	83.57
			KT	78.15
Fault Repair within Three Working Days	>=99%	Airfiber Networks Pvt. Ltd.	KT	69.97
			TN	85.9
		Antariksh Softtech Pvt. Ltd.	MUM	97.14
		Indinet Service Pvt. Ltd	AI	98.74
		K NET Solutions Private Limited	TN	97.53
		Mahanagar Telephone Nigam Ltd.	AI	57.47
		Tata Teleservices Limited	AP	98.12
			DL	97.16
			KT	98.52
Billing and charging complaints	<=0.1%	Airfiber Networks Pvt. Ltd.	KT	0.15
			TN	0.23
		Antariksh Softtech Pvt. Ltd.	MUM	129.46
			MH	179.14
		AT Broadband Pvt. Ltd.	TN	816.24
		Atria Convergence Technologies Ltd.	AI	0.58
		GTPL KCBPL Broadband Private Limited	KOL	3.38
			OR	0.31
			WB	1.3
		Honeycomb Telnet Private Limited	AI	205.64
		Mahanagar Telephone Nigam Ltd.	AI	2.45
		RailTel Corporation of India Ltd.	AI	9.39

Resolution of Billing/ Charging Complaints within 4 Weeks	100%	RailTel Corporation of India Ltd.	AI	99.59
Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	100%	Aerpace Communications Pvt. Ltd.	MH	0
			MUM	0
		Apple Broadband Services Pvt. Ltd.	AP	0
		Atria Convergence Technologies Ltd.	AI	75
		Fibervalley Communications Pvt. Ltd.	GJ	0
		Fusionnet Web Services Pvt. Ltd.	AI	0
		Genstar Network Solutions Pvt. Ltd.	MUM	0
		GTPL KCBPL Broadband Private Limited	KOL	0
			OR	0
			WB	0
		HYOSEC Solutions Pvt. Ltd.	AI	0
		Navkar Supertech Pvt. Ltd.	MH	1
		Rajesh Digital & Datacom Pvt. Ltd.	MUM	0
		SDH Network Pvt. Ltd.	DL	0
Accessibility of call centre/ customer care	>=95%	K NET Solutions Private Limited	TN	80.89
Percentage of calls answered by the operators (voice to voice) within 90 seconds	>=95%	Airfiber Networks Pvt. Ltd.	KT	91
			TN	91
		Atria Convergence Technologies Ltd.	AI	78.27
Termination/ closure of service within seven working days of receipt of customer's request	100%	AT Broadband Pvt. Ltd.	TN	0
		Fusionnet Web Services Pvt. Ltd.	AI	99.9
		K NET Solutions Private Limited	TN	98.53

		Mahanagar Telephone Nigam Ltd.	AI	92.27
		RailTel Corporation of India Ltd.	AI	99.18
Refund of deposits within 45 days of closure of service or non-provisioning of service	100%	Atria Convergence Technologies Ltd.	AI	99.19
		Bluelotus Support Services Pvt.Ltd.	AI	0
		Deshkal Network Pvt. Ltd.	KT	82.51
		Mahanagar Telephone Nigam Ltd.	AI	86.44

4.8 List of parameters which are fully complied by all service providers: -

S. No.	Parameter	Benchmark
1	Latency	<=50msec
2	Packet Drop Rate	<=1%
3	Maximum Bandwidth utilization of any Customer serving node to ISP Gateway Node [Intra-network] or Internet Exchange Point Link(s)	<=80%

4.9 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	Sep-24	Dec-24
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	912*	914*
2	Number of Pay TV Channels as reported by broadcasters	362	362
3	Total number of Multi System Operators (MSOs), who have been granted Permanent Registration (for 10 years) by the Ministry of I&B for providing Cable TV services through Digital Addressable Systems	845#	844#
4	Number of FM Radio Stations (excluding All India Radio)	388	388
5	Number of pay DTH Operators	4	4
6	Number of existing cities with operational FM Radio channels (excluding All India Radio)	113	113
7	Number of Operational Community Radio Stations	513	529
8	Number of total active Subscribers with pay DTH operators (in million)	59.91	58.22

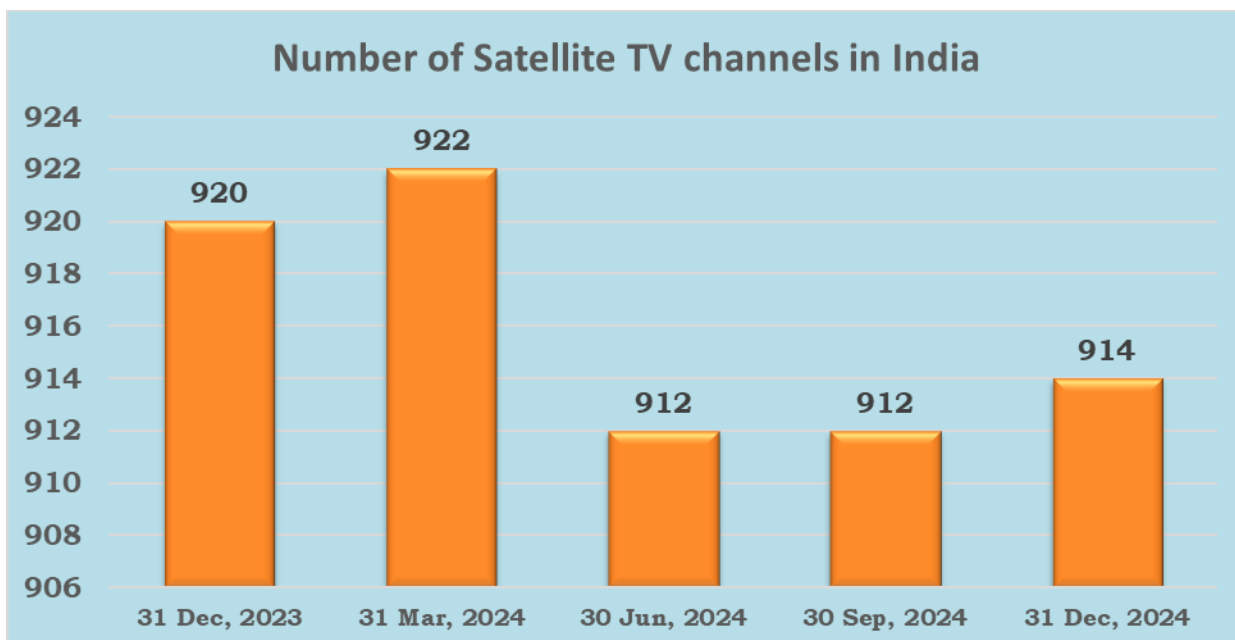
* <https://new.broadcastseva.gov.in/digigov-portal-web-app/webHP?requestType=ApplicationRH&actionVal=userInformationSystem&screenId=2>

#SatPermitted

A. Satellite TV Channels

5.1 A total of approximately 914 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking only/both uplinking & downlinking. 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 (broadcastseva.gov.in)

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

Type of Permission	Number of channels	Remarks
Uplinking only	10	TV channels uplinked from India but downlinked abroad only
Downlinking only	63	TV channels uplinked from abroad but downlinked only in India
Both Uplinking & downlinking	841	TV channels uplinked from India and also downlinked only in India
Total	914	

Out of 914 permitted satellite TV channels, 904 channels are available for downlinking in India.

Pay TV Channels

5.2 As per the reporting done by broadcasters in pursuance of the Tariff Order dated 3rd March 2017 as amended, out of 904 permitted satellite TV channels that are available for downlinking in India, there are 362 satellite pay TV channels as on 31st December 2024. Out of 362 pay channels, 258 are SD satellite pay TV channels and 104 are HD satellite

pay TV channels. A list of pay TV channels offered by broadcasters for subscribers as reported to TRAI is attached as **Annexure-5.1**. Apart from these pay channels reported to TRAI, all other channels, available for downlinking in India, are considered as Free to Air (FTA) channels. **Chart-5.2** depicts total number of Pay satellite TV channels and FTA satellite TV channels available for downlinking in India 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 available for downlinking in India

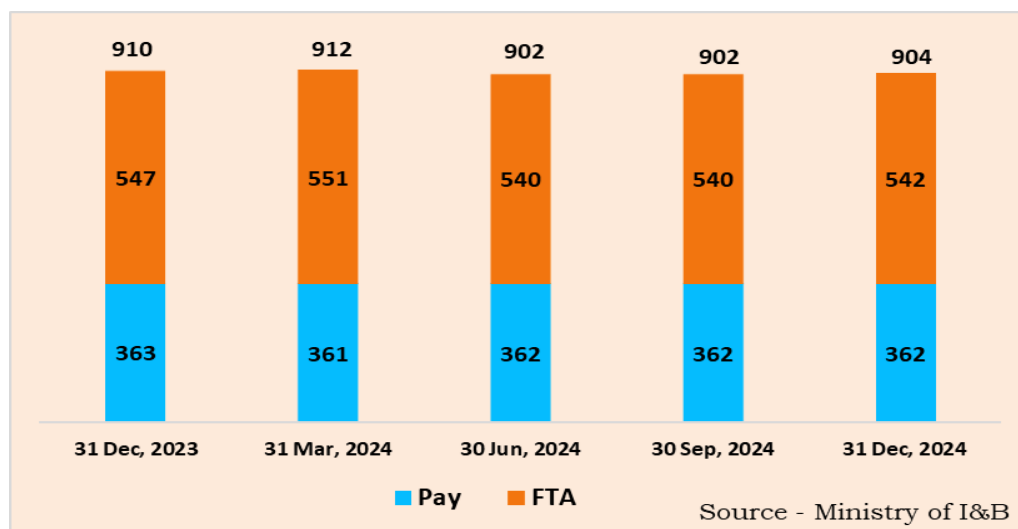


Chart 5.3 : Numbers of SD and HD satellite pay TV channels

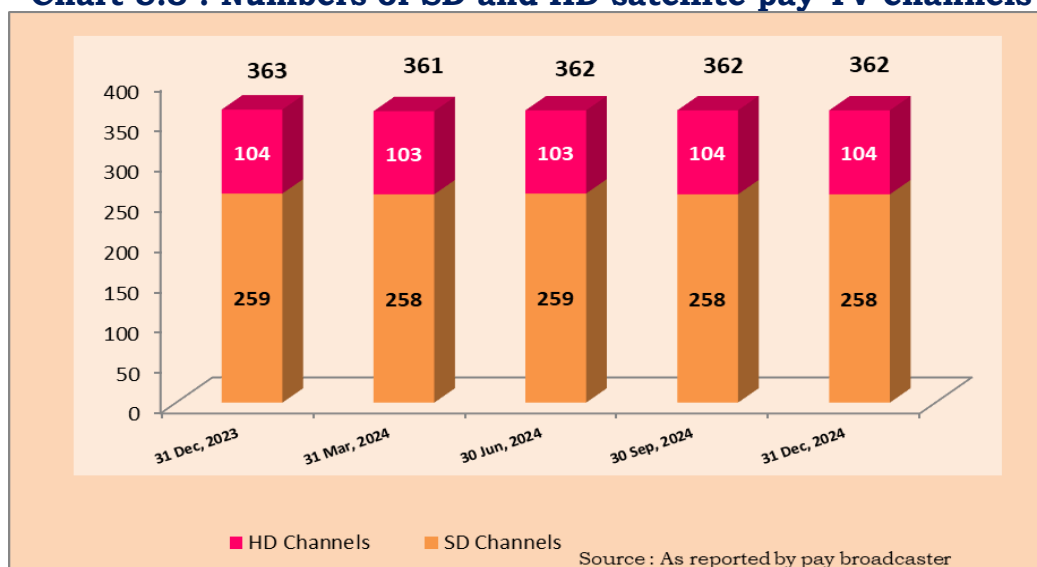


Table 5.3: Price-Range wise Analysis of Pay Channels as reported by the broadcaster to TRAI

Price range	Number of SD channels	Number of HD channels
Less than 1	62	--
1 to 5	88	13
5 to 12	49	22
12 to 15	06	03
15 to 19	10	07
19	42	54
>19	01	05
Total	258	104

Table 5.4: Genre wise Analysis of Pay Channels

S.No	Genre	Number of channels
1	General Entertainment	115
2	Movies	72
3	News and Current Affairs	66
4	Sports	33
5	Kids	24
6	Infotainment	25
7	Music	22
8	Devotional	04
9	Miscellaneous	01
	Total	362

Table 5.5: Broadcaster wise number of pay channels as reported to TRAI

S.No	Name of Broadcaster	Number of channel(s)
1	Star India Private Limited	64
2	Zee Entertainment Enterprises Limited	49
3	Viacom 18 Media Private Limited	39
4	SUN TV Network Limited	31
5	Culver Max Entertainment Private Limited	22
6	Network 18 Media & Investment Limited	19
7	Eenadu Television Private Limited	14
8	Zee Media Corporation Limited	16
9	Discovery Communications India	14
10	Bennett, Coleman & Company Limited	12
11	Disney Broadcasting (India) Limited	7
12	NGC Network (India) Pvt Limited	6
13	IN 10 Media Private Limited	6
14	Kalaighar TV Pvt Limited	5
15	Mavis Satcom Limited	4
16	Raj Television Network Limited	6
17	Polimer Media Private Limited	1
18	Tarang Broadcasting Company Limited	5
19	TV Today Network Limited	4
20	Warner Media India Private Limited	4
21	Celebrities Management Pvt Limited	4
22	New Delhi Television Limited	3
23	Sarthak Music Private Limited	3
24	Silverstar Communications Limited	3
25	AETN 18 Media Pvt Limited	2
26	Bangla Entertainment Private Limited	2
27	BBC Global News India Private Limited	2
28	MSM World Wide Factual Media Private Limited	2
29	CSL Info Media Private Limited	1
30	Direct New Private Limited	2
31	Fame Media Private Limited	1
32	Independent News Service Pvt Limited	1
33	IBN Lokmat News Private Ltd	1
34	Information TV Private Limited	1
35	Lifestyle and Media Broadcasting Limited	1
36	Associated Broadcasting Co Pvt Ltd	1
37	Sidharth Broadcasting Private Limited	1
38	Suryansh Broadcasting Private Limited	1
39	Zee Akaash News Private Limited	1
40	Zoom Entertainment Network Limited	1
Total		362

B. Cable TV Sector

5.3 There are 844 MSOs and 1 HITS operator registered with MIB as on 30.09.2024. As per the data reported by MSOs and HITS operator, as on 31st December 2024, there are 11 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 5.6: -**

Table 5.6: Subscriber base of major MSOs/HITS operators at the end of December, 2024 (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	GTPL Hathway	90,47,308
2	Hathway Digital Ltd.	50,27,347
3	Siti Networks Ltd.	47,55,185
4	Kerala Communicators Cable Ltd	37,74,188
5	Thamigzha Cable TV Communication Ltd.	36,38,976
6	Den Networks Ltd.	30,48,955
7	NXT Digital Ltd. (HITS operator)	22,91,030
8	KAL Cables	18,91,767
9	VK Digital	15,28,792
10	Tamil Nadu Arasu Cable TV	14,55,721
11	Fastway Transmission Pvt. Ltd	12,38,258
12	NXT Digital Ltd	12,20,604

C. Direct-to-Home (DTH) Sector

- 5.4 During the quarter ending 31st December 2024, there are 4 pay DTH service providers. A list of DTH Operators is attached as **Annexure 5.3**.
- 5.5 Pay DTH has attained total active subscriber base of around 58.22 million. This is in addition to the subscribers of the DD Free Dish (free DTH services of Doordarshan). The total active subscriber base has decreased from 59.91 million in September 2024 to 58.22 million in December 2024.
- 5.6 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 31st December, 2024 is depicted in the following charts: -

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

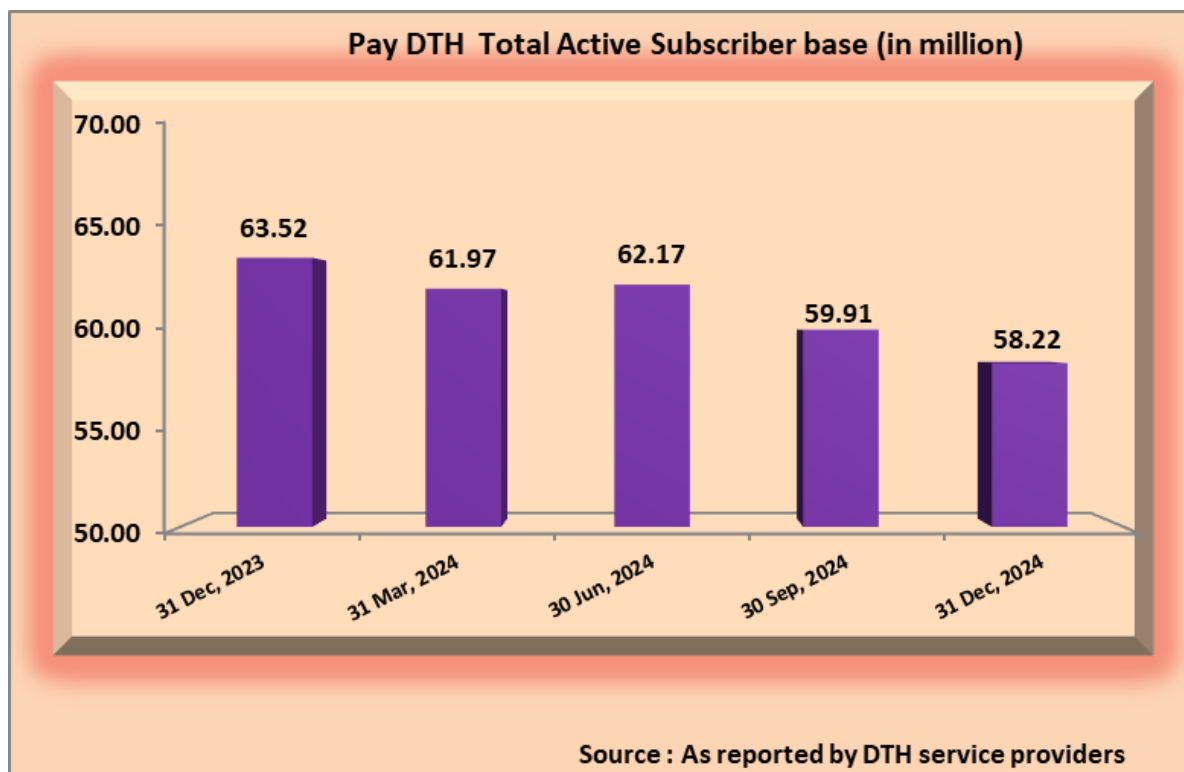
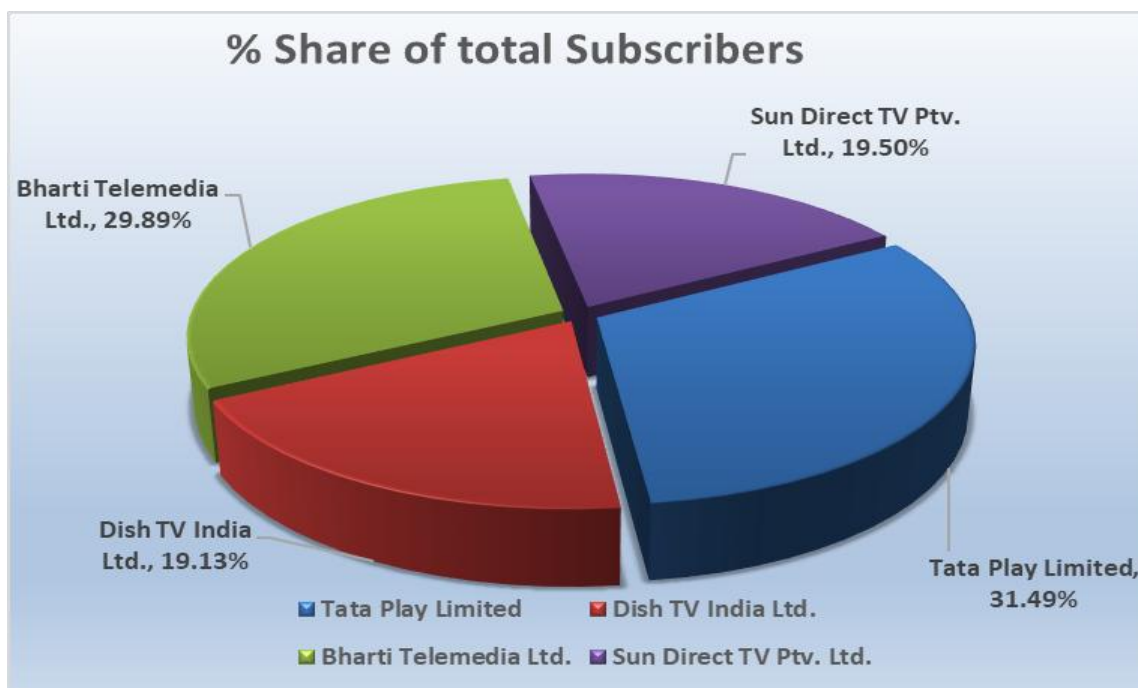


Chart 5.5 : Market share of DTH Operators



Source : As reported by DTH service providers

D. IPTV

At present, as per the reported subscriber figures, the details in respect of IPTV operators who are operational is as under: -

S.No.	Name of IPTV Operator	Total Active Subscriber Base as on Dec 2024
1.	M/s Andhra Pradesh State Fibernet Ltd (APSFL)	5,31,253
2.	Fastway Transmission Pvt. Ltd.	10,369
3.	M/s City Online Media Pvt. Ltd	9,359
4.	M/s E2 Info Solutions	1,953
5.	M/s Wi-bro Solutions Pvt. Ltd	1,468
6.	M/s V.K. Digital Network Pvt. Ltd	1,169
7.	M/s Meghbela Cable & Broadband Service Pvt. Ltd.	395
8.	M/s Hathway Digital Ltd.	154

A list of IPTV Operators is attached as **Annexure 5.4.**

E. FM Radio Services

5.7 Apart from the radio channels operated by All India Radio – the public broadcaster, as per the data reported by FM Radio operators to TRAI, as on 31st December 2024, there are 388 operational private FM Radio channels in 113 cities operated by 36 private FM Radio operators. As compared to the previous quarter, there is no change in the number of operational private FM Radio channels, cities and FM Radio operators. A list of 113 existing cities with operational private FM radio channels in India, as on 31st December, 2024 is attached at **Annexure 5.5**. The following **chart 5.6** depicts the quarterly growth in private FM Radio stations.

Chart 5.6 : Number of Private FM Radio channels

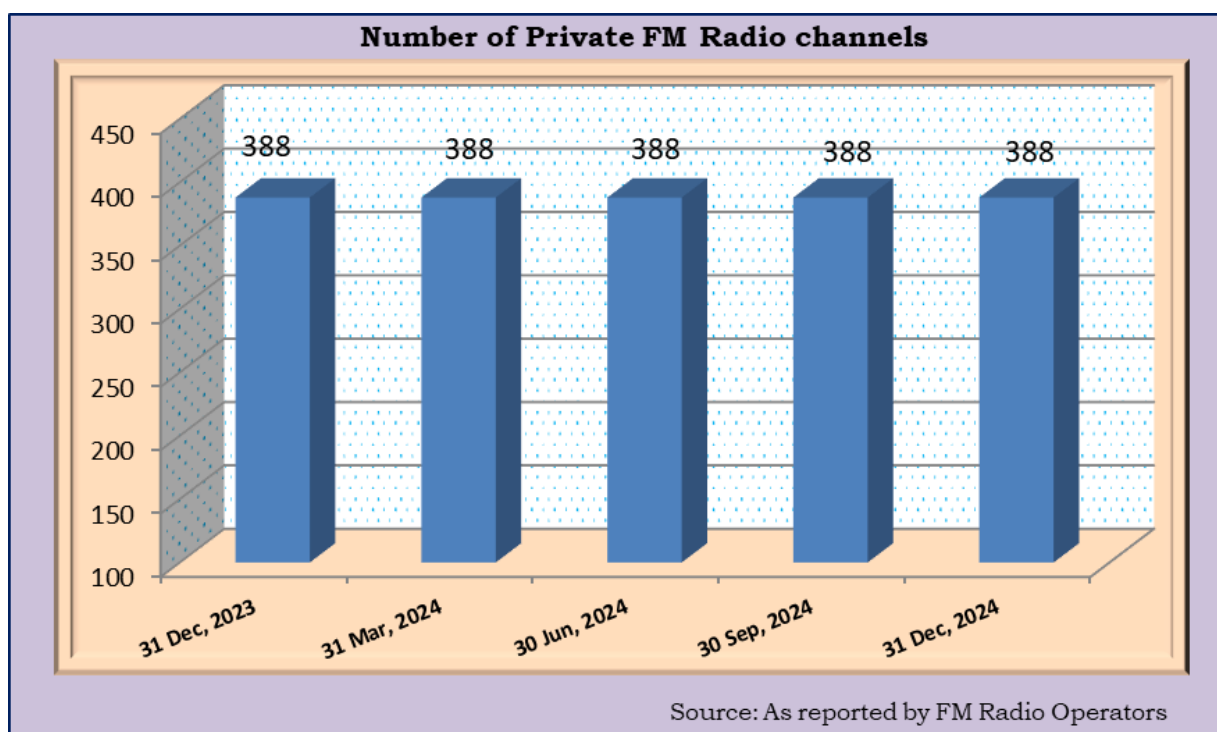
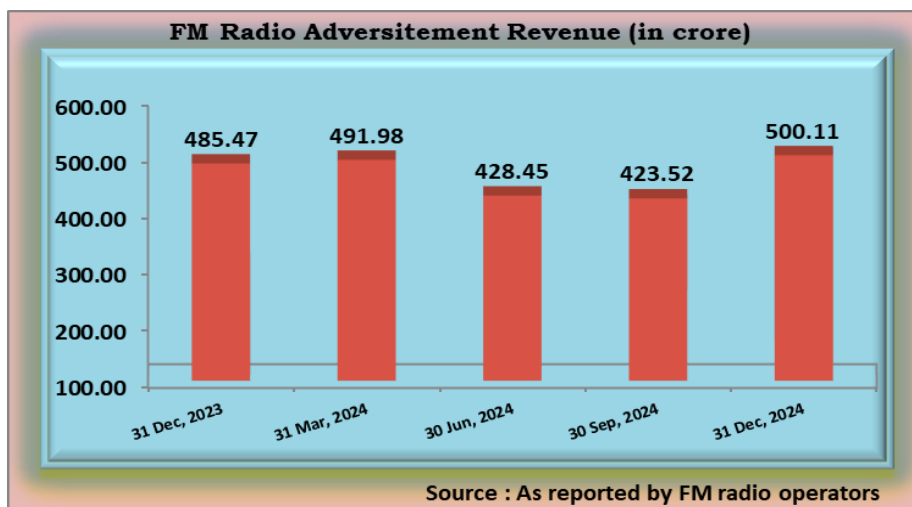


Table 5.7: FM Radio operators in terms of number of FM Radio channels they possess.

S.No.	Name of FM Operator	Number of Channels
1	Entertainment Network (India) Limited	73
2	Reliance Broadcast Network Limited	58
3	Music Broadcast Limited (MBL)	39
4	South Asia FM Limited	35
5	D B Corp Limited (Radio Division)	30
6	KAL Radio Limited	24
7	Rajasthan Patrika Pvt. Ltd	18
8	HT Media Ltd	14
9	Sambhaav Media Limited	13
10	Malar Publications Ltd.	10
11	Skyline Radio Network	10
12	Next Radio Limited	7
13	The Mathrubhumi Printing & Publishing Co.	6
14	The Malayala Manorama Co. Ltd.	5
15	Purvy Broadcasting Pvt Ltd	5
16	Ushodaya Enterprises Pvt Ltd	4
17	Digital Radio (Delhi) Broadcasting Ltd	3
18	SUN TV Network Ltd	3
19	TV Today Network Limited	3
20	Abhijit Realtors & Infra P Ltd	3
21	Digital Radio (Mumbai) Broadcasting Ltd	2
22	India Radio Ventures Pvt. Ltd.	2
23	Eastern Media Ltd	2
24	Pudhari Publicattions Pvt. Ltd.	2
25	Neutral Publishing House Ltd	2
26	PCM Cement Concrete Pvt Ltd	2
27	JCL Infra Limited	4
28	Digital Radio (Kolkata) Broadcasting Ltd	1
29	Clear Media (India) Pvt Limited	1
30	Ananda Offset Pvt Ltd.	1
31	HT Music & Entertainment Company Ltd	1
32	Udaya FM Pvt. Ltd.	1
33	Sarthak Films Private Limited	1
34	ITM Software & Entertainment Pvt Ltd	1
35	Gwalior Farms Private Limited	1
36	Renderlive Films and Entertainment Pvt. Ltd	1
	Total Number of Channels	388

5.8 The advertisement revenue reported by FM Radio operators during quarter ending 31st December 2024 in respect of 388 private FM Radio channels is Rs.500.11 crore as against Rs.423.52 crore in respect of 388 private FM Radio channels for the previous quarter i.e. 30th September 2024.

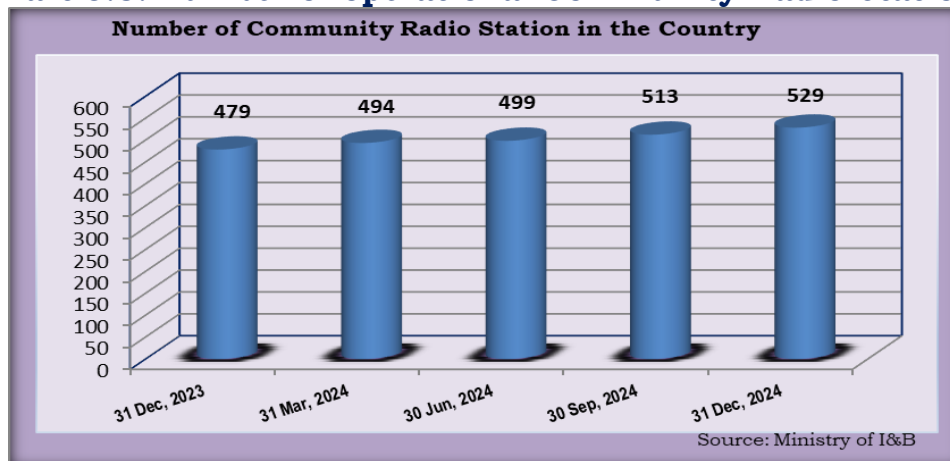
Chart 5.7: Details of Advertisement Revenue submitted by the private FM Radio broadcasters



F. Community Radio

5.9 As on 31st December 2024, 529 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



ANNEXURE

Annexure 1.1: Wireless Subscriber Base

Service Area	Vodafone Idea		Bharti Airtel		Reliance Com.		BSNL		MTNL		Reliance Jio		Total		Net Additions
	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	
Andhra Pradesh	10,317,179	10,031,734	33,608,237	33,765,442	0	0	6,748,163	6,825,411			31,933,802	31,886,092	82,607,381	82,508,679	-98702
Assam	1,471,300	1,438,865	11,754,115	11,914,048	0	0	2,963,211	2,992,345			9,796,756	9,732,446	25,985,382	26,077,704	92322
Bihar	7,521,467	7,485,493	40,272,539	40,498,909	0	0	6,022,905	5,966,507			40,831,802	40,913,517	94,648,713	94,864,426	215713
Delhi	16,744,837	16,743,346	18,343,793	18,434,020	0	1			1,684,335	789,707	19,743,455	19,758,105	56,516,420	55,725,179	-791241
Gujarat	20,108,619	19,683,954	12,046,106	12,206,886	0	20	3,262,611	3,318,309			29,672,226	29,756,241	65,089,562	64,965,410	-124152
Haryana	6,599,715	6,402,674	7,041,795	7,061,216	0	0	4,090,143	4,159,824			8,417,076	8,323,953	26,148,729	25,947,667	-201062
Himachal Pradesh	384,694	377,601	3,543,951	3,548,882	0	0	1,648,951	1,666,376			3,257,181	3,232,447	8,834,777	8,825,306	-9471
Jammu & Kashmir	270,706	262,621	6,101,622	6,108,668	0	0	918,356	872,157			5,064,598	4,912,848	12,355,282	12,156,294	-198988
Karnataka	6,398,356	6,599,552	32,032,297	32,177,739	0	339	4,505,377	4,571,164			24,050,978	24,526,175	66,987,008	67,874,969	887961
Kerala	13,240,071	13,026,138	8,765,522	8,816,703	0	0	8,705,813	8,730,042			10,777,151	10,715,701	41,488,557	41,288,584	-199973
Madhya Pradesh	14,826,930	13,967,009	16,194,135	16,404,356	0	0	5,103,966	5,134,063			44,011,162	44,314,875	80,136,193	79,820,303	-315890
Maharashtra	21,454,681	20,708,127	22,167,747	22,368,784	0	0	5,755,259	5,470,925			42,505,258	42,278,780	91,882,945	90,826,616	-1056329
Mumbai	10,719,976	10,680,874	10,037,605	10,066,642	0	31			222,576	215,223	12,807,250	12,813,324	33,787,407	33,776,094	-11313
North East	686,784	659,058	6,220,020	6,265,788	0	0	1,288,485	1,288,497			4,216,092	4,229,026	12,411,381	12,442,369	30988
Orissa	1,405,342	1,378,440	11,713,511	11,737,705	0	0	5,514,987	5,573,321			15,446,786	15,656,632	34,080,626	34,346,098	265472
Punjab	6,266,553	6,103,807	12,343,209	12,356,021	0	9	4,149,718	4,097,230			11,452,678	11,351,048	34,212,158	33,908,115	-304043
Rajasthan	9,785,029	9,306,909	23,013,606	23,075,588	0	81	5,607,144	5,612,098			26,359,937	26,319,086	64,765,716	64,313,762	-451954
Tamil Nadu	15,145,802	14,935,646	29,721,923	29,881,079	0	0	8,028,135	7,943,055			24,888,813	24,641,143	77,784,673	77,400,923	-383750
UP(E)	16,517,501	16,025,137	36,304,870	36,232,989	0	0	8,297,577	8,347,061			40,173,383	40,858,553	101,293,331	101,463,740	170409
UP(W)	14,998,895	14,547,059	18,783,592	18,725,821	0	0	5,286,252	5,220,879			23,803,581	24,093,676	62,872,320	62,587,435	-284885
Kolkata	5,124,382	4,955,745	5,446,548	5,445,207	0	0	1,520,952	1,468,367			10,674,262	10,690,464	22,766,144	22,559,783	-206361
West Bengal	12,465,704	11,939,342	18,025,740	18,214,477	0	11	2,681,800	2,689,590			23,895,866	24,133,757	57,069,110	56,977,177	-91933
Total	212,454,523	207,259,131	383,482,483	385,306,970	-	492	92,099,805	91,947,221	1,906,911	1,004,930	463,780,093	465,137,889	1,153,723,815	1,150,656,633	-3067182

Annexure 1.2: Wireline Subscriber Base

Sl. No	Service Area	Bharti Airtel		Reliance Com.		Quadrant		Tata Tele.		MTNL		BSNL		Vodafone Idea		Reliance Jio		STPL		APSFL		Total		Net Additions
		Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	Sep-24	Dec-24	
1	Andhra Pradesh	723908	788087	17170	17045			234891	222791			506357	499295	103875	85220	1749696	1929689			638206	632438	3,974,103	4,174,565	200,462
2	Assam	39859	50062	0	0			0	0			70728	70,238	2490	2580	255301	293562					368,378	416,442	48,064
3	Bihar	258670	317765	9	9			11747	11990			152536	141,654	5580	5617	764161	893233					1,192,703	1,370,268	177,565
4	Delhi	2236608	2291584	15388	14278			227897	235637	978856	973617	-	0	85658	80961	1168499	1263712					4,712,906	4,859,789	146,883
5	Gujarat	292293	300273	2644	2525			188433	179152			285282	277572	125691	111684	909464	1083752					1,803,807	1,954,958	151,151
6	Haryana	183998	188118	0	0			41343	39697			222078	221829	450	450	230058	280294					677,927	730,388	52,461
7	Himachal Pradesh	12941	13769	0	0			1411	1349			89903	87985	90	90	85325	97967					189,670	201,160	11,490
8	Jammu & Kashmir	123864	127591	0	0			0	0			63224	58729	30	30	265160	298641					452,278	484,991	32,713
9	Karnataka	1257367	1283344	15958	15812			464580	476450			504471	507766	161675	160204	1218227	1319662					3,622,278	3,763,238	140,960
10	Kerala	114885	118799	2752	2596			17629	17498			1069418	1071028	6920	6690	392144	435117					1,603,748	1,651,728	47,980
11	Madhya Pradesh	555411	583965	5	5			47797	41905			230307	236138	74805	101965	1029004	1172993					1,937,329	2,136,971	199,642
12	Maharashtra	536297	585038	7351	7308			222847	220864			493343	476456	20381	19883	543588	690996					1,823,807	2,000,545	176,738
13	Mumbai	627589	643418	34532	33865			624490	635601	1,094,084	1066489	3800	3800	184594	180846	1006554	1050289					3,575,643	3,614,308	38,665
14	North East	0	0	0	0			0	0			60258	57264	510	510	228400	250985					289,168	308,759	19,591
15	Orissa	62017	69806	4	4			16196	15980			135024	127289	3700	3520	356010	400925					572,951	617,524	44,573
16	Punjab	314952	361223	1842	1782	355,738	353,139	15437	15236			515841	515346	1560	1560	557717	658860	64096	65573			1,827,183	1,972,719	145,536
17	Rajasthan	303966	316043	3085	2994			24184	24485			242958	235827	14145	13465	593117	688334					1,181,455	1,281,148	99,693
18	Tamil Nadu	962649	984039	13340	12989			137201	134863			852627	857194	35115	32295	1066231	1164933					3,067,163	3,186,313	119,150
19	U.P.(E)	243390	314485	27	27			12749	12763			106322	99377	17770	16530	768135	924862					1,148,393	1,368,044	219,651
20	U.P.(W)	193474	215772	8	8			6943	6878			159535	153541	4151	4141	824699	951870					1,188,810	1,332,210	143,400
21	Kolkata	209332	212494	3637	3214			64624	64873			181589	179768	15430	14334	622894	672779					1,097,506	1,147,462	49,956
22	West Bengal	68959	81903	22	24			2572	2570			188157	177048	150	150	365217	432796					625,077	694,491	69,414
	Total	9,322,429	9,847,578	117,774	114,485	355,738	353,139	2,362,971	2,360,582	2,072,940	2,040,106	6,133,758	6,055,144	864,770	842,725	14,999,601	16,956,251	64,096	65,573	638,206	632,438	36,932,283	39,268,021	2,335,738

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

Sl. No.	Name of Telecom Service Area	Service Provider	Number of PCOs as on 30.09.2024	Number of PCOs as on 31.12.2024	Net PCO increase/decrease as on 31.12.2024	Percentage Growth/Decline as on 31.12.2024
1	Andhra Pradesh	BSNL	1628	1,443	-185	-11.36%
2	Assam	BSNL	0	0	0	0
3	Bihar	BSNL	280	226	-54	-19.29%
4	Delhi	MTNL	803	478	-325	-40.47%
5	Gujarat	BSNL	1036	855	-181	-17.47%
6	Haryana	BSNL	42	39	-3	-7.14%
7	Himachal Pradesh	BSNL	11	10	-1	-9.09%
8	Jammu & Kashmir	BSNL	53	51	-2	-3.77%
9	Karnataka	BSNL	1361	1,211	-150	-11.02%
10	Kerala	BSNL	1988	1,352	-636	-31.99%
11	Kolkata	BSNL	466	440	-26	-5.58%
12	Madhya Pradesh	BSNL	453	439	-14	-3.09%
13	Maharashtra	BSNL	878	741	-137	-15.60%
14	Mumbai	MTNL	3119	2,638	-481	-15.42%
15	North East	BSNL	17	15	-2	-11.76%
16	Odisha	BSNL	0	0	0	0.00%
17	Punjab	BSNL	66	59	-7	-10.61%
		Quadrant.	253	239	-14	-5.53%
18	Rajasthan	BSNL	40	0	-40	-100.00%
19	TN including Chennai	BSNL	3469	3,061	-408	-11.76%
20	UP - East	BSNL	4	0	-4	-100.00%
21	UP - West	BSNL	272	134	-138	-50.74%
22	West Bengal	BSNL	29	11	-18	-62.07%
	Total		*16,268	13,442	-2826	-17.37%
	Total (In Lakhs)		0.16	0.13	-0.03	-17.37%

***NOTE:** BSNL has revised number of PCO for QE of Sept. 2024 to **12,093** from **11,199**, thereafter total PCOs as on 30th September 2024 has come at **16,268**.

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 30.09.2024	VPT Rural	VPT Urban	Number of VPTs as on 31.12.2024	Net VPTs increase/ decrease as on 31.12.2024	Percentage Growth/ Decline as on 31.12.2024
1	Andhra Pradesh	BSNL	2896	2,896	0	2,896	0	0.00%
2	Assam	BSNL	105	105	0	105	0	0.00%
3	Bihar	BSNL	6114	6,114	0	6,114	0	0.00%
4	Delhi	BSNL						
5	Gujarat	BSNL	5278	5,278	0	5,278	0	0.00%
6	Haryana	BSNL	462	462	0	462	0	0.00%
7	Himachal Pradesh	BSNL	1875	1,875	0	1,875	0	0.00%
8	Jammu & Kashmir	BSNL	810	810	0	810	0	0.00%
9	Karnataka	BSNL	3656	3,656	0	3,656	0	0.00%
10	Kerala	BSNL	331	331	0	331	0	0.00%
11	Kolkata	BSNL	130	130	0	130	0	0.00%
12	Madhya Pradesh	BSNL	10100	10,100	0	10,100	0	0.00%
13	Maharashtra	BSNL	7846	7,846	0	7,846	0	0.00%
14	Mumbai	BSNL						
15	North East	BSNL	1182	1,182	0	1,182	0	0.00%
16	Odisha	BSNL	1554	1,554	0	1,554	0	0.00%
17	Punjab	BSNL	4493	4,493	0	4,493	0	0.00%
18	Rajasthan	BSNL						
19	TN including Chennai	BSNL	5478	5,478	0	5,478	0	0.00%
20	UP - East	BSNL	568	568	0	568	0	0.00%
21	UP - West	BSNL	3758	3,758	0	3,758	0	0.00%
22	West Bengal	BSNL	11970	11,970	0	11,970	0	0.00%
	Total		68606			68,606	0	0.00%
	Total (In Lakh)		0.69			0.69	0.00	0.00%

**Annexure 1.5: Internet Service Provider (ISP) wise Internet Subscriber base
as on 31.12.2024**

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1	Reliance Jio Infocomm Ltd*	0	476579715	476579715
2	Bharti Airtel Ltd.*	14303111	289309176	303612287
3	Vodafone Idea Ltd	7850523	126379443	134229966
4	Bharat Sanchar Nigam Ltd.	3029772	35327868	38357640
5	Atria Convergence Technologies Limited	0	2273646	2273646
6	Kerala Vision Broadband Ltd.	0	1267582	1267582
7	Hathway Cable And Datacom Limited	0	1073111	1073111
8	Excitel Broadband Private Limited	0	963683	963683
9	ONEOTT ENTERTAINMENT LIMITED	0	940953	940953
10	GTPL Broadband Pvt. Ltd.	0	774322	774322
11	Netplus Broadband Services Pvt. Ltd	0	734536	734536
12	RailTel Corporation of India Ltd.	0	567745	567745
13	ALLIANCE BROADBAND SERVICES PVT. LTD.	0	550012	550012
14	Andhra Pradesh State FibreNet Pvt. Ltd.	0	533590	533590
15	Tata Play Broadband Private Limited	0	528108	528108
16	Asianet Satellite Communications Ltd.	0	466944	466944
17	Mahanagar Telephone Nigam Limited	9748	384179	393927
18	Intech Online Pvt. Ltd.	0	335632	335632
19	Blue Lotus Support Services Pvt Ltd.	0	309533	309533
20	Pioneer eLabs Limited	0	291578	291578
21	Quadrant Televentures Ltd.	61	263981	264042
22	Tikona Infinet Ltd.	0	205423	205423
23	Anonet Communications Pvt. Ltd.	0	198196	198196
24	GTPL KCBPL Broadband Private Limited	0	166749	166749
25	Microscan Internet Limited	0	161231	161231
26	YOU Broadband India Ltd.	83	137517	137600
27	Airnet Cable and Datacom Pvt. Ltd.	0	132094	132094
28	Antariksh Softtech Private Limited	0	126118	126118
29	Indinet Service Pvt. Ltd.	0	125751	125751
30	Extranet Supports Private Limited	0	124520	124520
31	Wish Net Pvt. Ltd.	0	124003	124003
32	Excell Media Pvt. Ltd.	0	123379	123379
33	Genstar Network Solutions Pvt. Ltd.	0	118732	118732
34	Siti Broadband Services Pvt. Limited	0	112171	112171
35	Vortex Netsol Pvt. Ltd.	0	91673	91673
36	Bangalore Broadband Network Pvt Ltd	0	91576	91576
37	Ishan Netsol Pvt. Ltd.	0	89370	89370

S. No.	Name of Service Provider	Narrowband	Broadband	Total
38	Fusionnet Web Services Pvt Ltd	0	86964	86964
39	Ibus Virtual Network Services Private Limited	0	83506	83506
40	Thamizhaga Internet Communication Pvt Ltd	0	80397	80397
41	Triple Play Broadband Pvt Ltd	0	72095	72095
42	K Net Solutions Pvt. Ltd.	0	68287	68287
43	Aerpace Communications Pvt Ltd	0	51266	51266
44	Radinet Info Solutions Pvt. Ltd.	0	47729	47729
45	Kerala Fibre Optic Network Limited	0	46729	46729
46	DEN Broadband Limited	0	46249	46249
47	ADN Broadband Private Limited	0	43727	43727
48	Ethernet Xpress(I) Pvt. Ltd.	0	42913	42913
49	Snet Networks Pvt. Ltd..	0	41918	41918
50	DNA Infotel Pvt. Ltd.	0	41664	41664
51	Instanet Technologies Pvt. Ltd.	0	39752	39752
52	WAVE FIBER PRIVATE LIMITED (Formerly Coastal Broadband and Online Services Pvt. Ltd.)	0	39492	39492
53	INFOCUS NETWORKS Pvt Ltd.	0	39144	39144
54	Juweriyah Networks Pvt. Ltd.	0	38511	38511
55	Meghbela Cable & Broadband Services (P) Ltd.	0	37624	37624
56	UCN Fibrenet Private Limited	0	35516	35516
57	Gazon Communications India Limited	0	35417	35417
58	Nuron Networks India Private Limited	0	32889	32889
59	Navkar Supertech pvt Ltd	0	30702	30702
60	Deshkal Network Pvt. Ltd.	0	30417	30417
61	VORTEX INFOCOM PRIVATE LIMITED	0	28756	28756
62	Multicraft Digital Technologies Private Limited	0	27703	27703
63	HYOSEC SOLUTIONS Pvt. LTD	0	27601	27601
64	Digital Networks Associates Pvt. Ltd.	0	25607	25607
65	Candor Infosolution Pvt. Ltd.	0	25588	25588
66	Tata Teleservices(Maharashtra) Ltd.	89	24201	24290
67	Tata Teleservices Limited	26	23796	23822
68	Readylink Internet Services Limited	0	23676	23676
69	Tachyon Communications Private Limited	0	23507	23507
70	D-ATUM VILCOM PRIVATE LIMITED	0	22953	22953
71	Airfiber Networks Pvt. Ltd.	0	22910	22910
72	Spiderlink Networks Pvt. Ltd.	0	21973	21973
73	Sristisanchar Webnet Limited	0	21186	21186
74	Five Internet Solutions Pvt. Ltd.	0	19350	19350
75	Charotar Telelink Pvt. Ltd..	0	19017	19017

S. No.	Name of Service Provider	Narrowband	Broadband	Total
76	Shree Omkar Infocomm Pvt Ltd	0	18752	18752
77	Shyam Spectra Private Limited	0	18440	18440
78	KINGS BROADBAND PVT LTD. (UL-ISP)	0	17869	17869
79	Fibervalley Communications Pvt. Ltd.	0	17641	17641
80	SIKKA BROADBAND PRIVATE LIMITED	0	17337	17337
81	QUEST CONSULTANCY PVT LTD	0	17129	17129
82	Honeycomb Telnet Private Limited	0	16034	16034
83	AT Broadband Pvt. Ltd.	0	16018	16018
84	Yashash Cable Network (Pvt.) Ltd	0	14712	14712
85	R.G. Technosolutions Pvt. Ltd.	0	14078	14078
86	SRI SAI COMMUNICATION AND INTERNET PRIVATE LIMITED	0	13880	13880
87	WEONE BROADBAND PRIVATE LIMITED	0	13510	13510
88	Rajesh Digital & DataCom Pvt. Ltd.	0	13369	13369
89	Five Net Service Provider Pvt. Ltd.	0	12845	12845
90	Pacenet Meghbela Broadband Pvt. Ltd.	0	12835	12835
91	BALAJI TELEWORKS DEVELOPMENTPRIVATE LIMITED	0	12599	12599
92	RI Networks Pvt Ltd	0	12496	12496
93	Sancfil Technologies Internet Services Pvt. Ltd.	0	12400	12400
94	WAN AND LAN INTERNET PRIVATE LIMITED	0	12145	12145
95	Paradise Telecom Pvt. Ltd.	0	11744	11744
96	Alegra Communication Pvt Ltd	0	11414	11414
97	DL GTPL Broadband Pvt. Ltd.	0	11293	11293
98	Rural Broadband Pvt. Ltd.	0	11245	11245
99	VAINAVI INDUSTRIES LIMITED	0	11161	11161
100	VIJAYALAKSHMI NET SERVICES PRIVATE LIMITED	0	10777	10777
101	Siliguri Internet & Cable TV Pvt. Ltd.	0	10666	10666
102	Shine Communications Pvt. Ltd.	0	10641	10641
103	NEXTGEN BROADBAND PRIVATE LIMITED	0	10534	10534
104	INFONET COMM ENTERPRISES PVT LTD	50	10475	10525
105	Weebo Networks Pvt. Ltd.	0	10416	10416
106	Specific Net Pvt. Ltd	0	10289	10289
107	Mangaluru Broadband Network Pvt Ltd	0	10087	10087
108	FUTURE CONNECT BROADBAND Pvt Ltd.	0	9950	9950
109	Esto Broadband Pvt. Ltd.	0	9877	9877
110	Net 9 Fibernet Pvt Ltd	0	9838	9838
111	Vizag Broad CastingCompany Pvt. Ltd.	0	9715	9715
112	Lalat Internet Service Private Limited	0	9707	9707
113	NORTH EAST DATAA NETWORK PRIVATE LIMITED	0	9507	9507

S. No.	Name of Service Provider	Narrowband	Broadband	Total
114	Country Online Services Pvt. Ltd.	0	9298	9298
115	QUALITY BROADBAND PRIVATE LIMITED	0	9221	9221
116	Apple Broadband Services Pvt. Ltd.	0	9195	9195
117	City Online Services Ltd.	0	9104	9104
118	ANGEL AIR NETWORK SOLUTIONS PRIVATE LIMITED	0	9089	9089
119	Tata Communications Limited	109	8925	9034
120	Aeronet online services private limited	0	8965	8965
121	APNA TELELINK PVT. LTD.	0	8920	8920
122	TJ BROADBAND NETWORK PRIVATE LIMITED	0	8097	8097
123	FIBERX NETWORKS PRIVATE LIMITED (Erstwhile Known as Signum Digital Networks Pvt. Ltd)	0	8035	8035
124	VORTEX INFOWAY PRIVATE LIMITED	0	7967	7967
125	Cityzone Infonet Pvt. Ltd.	0	7836	7836
126	Deenet Services Pvt. Ltd.	0	7740	7740
127	RAINBOW COMMUNICATIONS INDIA PRIVATE LIMITED	0	7729	7729
128	Ultra Internet Services Pvt. Ltd.	0	7724	7724
129	WSNS PVT. LTD.	0	7530	7530
130	Multinet (Udaipur) Pvt. Ltd.	0	7514	7514
131	Orange Infocom PVT.LTD	0	7348	7348
132	Gigaline Teleservices (OPC) Pvt. Ltd	0	7336	7336
133	Cityline Networks Pvt Ltd	0	7145	7145
134	Rapid Telecom India Pvt. Ltd.	0	7110	7110
135	ARKTEL NETWORKS PVT LTD	0	6837	6837
136	SSCN Pvt. Ltd.	0	6760	6760
137	Praction Networks Private Limited	0	6729	6729
138	SATELLITE NETCOM PRIVATE LIMITED	0	6711	6711
139	Inet Fiber India Pvt. Ltd	0	6654	6654
140	Elxer Communications (P)Ltd.	0	6602	6602
141	SANCHAR TELENETWORK PVT LTD	0	6556	6556
142	SNS Internet Services Private Limited (UL-ISP)	0	6475	6475
143	7 Star Cablenet Pvt. Ltd	0	6473	6473
144	Patel Internet Pvt. Ltd.	0	6266	6266
145	Falconet Internet Pvt Ltd	0	6217	6217
146	S S Netcom Pvt. Ltd.	0	6022	6022
147	Dsouza Infotainment Pvt. Ltd.	0	6014	6014
148	SUNDARAM BROADBAND PRIVATE LIMITED	0	5885	5885
149	LM Energy and Software Pvt. Ltd.	0	5806	5806
150	Skymax Broadband Services Pvt. Ltd.	0	5685	5685
151	BELL TELE SERVICES INDIA PRIVATE LIMITED	0	5574	5574

S. No.	Name of Service Provider	Narrowband	Broadband	Total
152	Niss Internet Services Pvt. Ltd.	0	5531	5531
153	HIGHTECH BROADBAND SERVICES Pvt Ltd.	0	5458	5458
154	OM-ASHA Net Pvt. Ltd.	0	5455	5455
155	MNR Broadband Services Pvt. Ltd.	0	5220	5220
156	Airgenie Communications Pvt. Ltd.	0	5088	5088
157	GEOCITY NETWORK SOLUTIONS PVT. LTD.	0	5064	5064
158	HIGHTEC NETWORK SOLUTIONS (OPC) PRIVATE LIMITED	0	5059	5059
159	QUESTGURU ONLINE SERVICES (OPC) PRIVATE LIMITED	0	5000	5000
160	Wefe Technology Pvt. Ltd.	0	4810	4810
161	Sify Technologies Ltd.	209	4539	4748
162	NETRUN TECHNOLOGIES PVT LTD	0	4639	4639
163	Siti vision Data Solutions Pvt Ltd	0	4580	4580
164	SMARTLINK SOLUTIONS PVT LTD	0	4564	4564
165	SCNSKY DIGITAL OPC PRIVATE LIMITED	0	4516	4516
166	Symbios Creations Pvt. Ltd.	0	4416	4416
167	ADN K NET FIBER PRIVATE LIMITED	0	4288	4288
168	EM-CYBER SPACE SERVICES PVT LTD	0	4264	4264
169	FIBRE AIR SERVICES Pvt Ltd.	0	4253	4253
170	SPHEREBOX INTERNET SERVICES PRIVATE LIMITED	0	4226	4226
171	Siddhant Broadband Pvt. Ltd.	0	4207	4207
172	INRI COMMUNICATIONS PVT LTD	0	4200	4200
173	Speednet Unique Network Pvt. Ltd.	0	4026	4026
174	OM SHIV SAI INTERNET SERVICE (OPC) PVT. LTD	0	4000	4000
175	World Fibernet Private Ltd	0	4000	4000
176	HYFY Giga Fiber Pvt. Ltd.	0	3940	3940
177	Nirav Infoway Pvt. Ltd	0	3873	3873
178	Krishinet Infocom Pvt. Ltd.	0	3840	3840
179	A.S.C.S.C. DIGITAL PRIVATE LIMITED	0	3787	3787
180	delDSL Internet Pvt Ltd	0	3747	3747
181	BHORER ALO CABLE AND BROADBAND PRIVATE LIMITED (VNO)	0	3606	3606
182	STN INFOTECH PVT. LTD.	0	3589	3589
183	Kumar Cable Digital Network Pvt. Ltd.	0	3575	3575
184	Prathamesh Broadband Pvt. Ltd	0	3534	3534
185	Net Access Internet India Private Limited	0	3504	3504
186	BHIMA RIDDHI BROADBAND PRIVATE LIMITED	0	3493	3493
187	GRAND BROADBAND SERVICES PRIVATE LIMITED	0	3483	3483
188	Flashcom Network Pvt. Ltd.	0	3461	3461
189	Pegasuswave Private Limited	0	3453	3453

S. No.	Name of Service Provider	Narrowband	Broadband	Total
190	SATHYA WEBSERVICES PRIVATE LIMITED	0	3446	3446
191	Mukand Infotel Pvt. Ltd.	0	3335	3335
192	VENKATA SAI INTERNET PRIVATE LIMITED	0	3316	3316
193	GSTECH Software Systems Pvt. Ltd.	0	3240	3240
194	MULTIREACH BROADBAND SERVICES PRIVATE LIMITED	0	3239	3239
195	ZYETEK TELECOM PRIVATE LIMITED	0	3220	3220
196	Antarjal IT Communication Pvt. Ltd.	0	3219	3219
197	NEHA INFONET Pvt Ltd.	0	3211	3211
198	INSPITELE SOLUTIONS Pvt Ltd.	0	3193	3193
199	AS Broadband Pvt. Ltd	0	3166	3166
200	NETFOX NETWORKS PRIVATE LIMITED	0	3130	3130
201	GNANA 11 COMMUNICATION PVT LTD	0	3111	3111
202	NGC Broadband Pvt. Ltd.	0	3111	3111
203	Fttx Broadband Pvt. Ltd.	0	3095	3095
204	Kappa Internet Services Pvt. Ltd.	0	3075	3075
205	SINDHU FIBER PRIVATE LIMITED	0	3011	3011
206	Suntech Sanchar Private Limited	0	3000	3000
207	CONNECT4SURE TECHNOLOGIES PRIVATE LIMITED	0	2962	2962
208	Nuron Communications Private Limited	0	2931	2931
209	MicroNet Gigafiber Pvt Ltd	0	2923	2923
210	TAJ BROADBAND PRIVATE LIMITED	0	2906	2906
211	MEGAPRIME NETWORK PRIVATE LIMITED	0	2874	2874
212	VPM NETWORKS PRIVATE LIMITED	0	2869	2869
213	SONALI INTERNET SERVICES PVT. LTD.	0	2833	2833
214	DREAMLINK TECHNOLOGIES PVT LTD	0	2804	2804
215	Foxcell Communications Pvt. Ltd.	0	2784	2784
216	NETWAY INTERNET PVT. LTD.	0	2781	2781
217	Johnson Telemarketers Pvt. Ltd.	0	2758	2758
218	Kovai Fibernet Pvt. Ltd.	0	2729	2729
219	Dishawaves Infonet Pvt. Ltd..	0	2718	2718
220	ALACRIY NET SYSTEM SERVICE PRIVATE LIMITED	0	2710	2710
221	Fiberzone communication Pvt Ltd	0	2708	2708
222	Karunay Internet Pvt. Ltd.	0	2702	2702
223	METANET TELECOMMUNICATIONS INDIA (OPC) PRIVATE LIMITED	0	2700	2700
224	VRD Web Services Pvt. Ltd.	0	2698	2698
225	DEHRADUN E NET SOLUTIONS PRIVATE LIMITED	0	2687	2687
226	Myguru Online India (P)Ltd.	0	2638	2638
227	Starlings Wireless Communications Pvt. Ltd.	0	2577	2577

S. No.	Name of Service Provider	Narrowband	Broadband	Total
228	North Point Services Pvt. Ltd.	0	2500	2500
229	INFINET BROADBAND PRIVATE LIMITED	0	2468	2468
230	SSKY CONNEECT Pvt Ltd.	0	2440	2440
231	Real Wire Express Network Pvt. Ltd.	0	2432	2432
232	Seven Star Digicomm Pvt. Ltd..	0	2426	2426
233	Smart net India Pvt. Ltd.	0	2363	2363
234	Seashell Networking Pvt Ltd	0	2362	2362
235	KOLI'Z PRIVATE LIMITED	0	2331	2331
236	GOAN FIBERNET INDIA PRIVATE LIMITED	0	2315	2315
237	UK GIGAFIBER INTERNET SERVICES PRIVATE LIMITED	0	2314	2314
238	Channel III Internet Pvt. Ltd.	0	2289	2289
239	Amar Broadband Pvt. Ltd..	0	2273	2273
240	Merv Enterprises Pvt Ltd	0	2273	2273
241	Maharaj Netsol Pvt Ltd	0	2237	2237
242	HBS Network Pvt. Ltd.	0	2230	2230
243	KWIKZO TELECOMM PVT LTD	0	2207	2207
244	VYBE TELECOM PRIVATE LIMITED	0	2200	2200
245	Macro Signal Pvt. Ltd	0	2172	2172
246	JDM Broadband Services Pvt. Ltd.	0	2146	2146
247	U TELE SERVICES PRIVATE LIMITED	0	2136	2136
248	IRISTEL Communication Private Limited (Erstwhile Known as Lotus Broadband Pvt. Ltd.)	0	2106	2106
249	OUTOFBOX NETWORKS PRIVATE LIMITED	0	2094	2094
250	Ruhban Telecommunication Private Limited	0	2094	2094
251	NET4U SERVICES PVT. LTD.	0	2087	2087
252	Galaxynet Connections Pvt. Ltd.	0	2080	2080
253	Maulee Broadband Private limited	0	2062	2062
254	Classic Internet and Cable Services Pvt. Ltd.	0	2031	2031
255	Susneham Private Limited	0	2010	2010
256	Skyline Infonet Pvt. Ltd.	0	2004	2004
257	Weblink InfowaysPvt. Ltd.	0	2002	2002
258	Mayekar Broadband Pvt. Ltd.	0	1992	1992
259	AXOM INTERNET SERVICES PRIVATE LIMITED	0	1988	1988
260	LAKSHAY ISOLUTIONS INDIA PRIVATE LIMITED	0	1986	1986
261	Tejays Dynamic Ltd.	27	1954	1981
262	Southnet Broadband Pvt. Ltd.	0	1979	1979
263	Opticom Networks Pvt.Ltd	0	1961	1961
264	Sri Nagar Net Tech Pvt. Ltd.	5	1952	1957
265	Ranchhodrai Telecom Pvt. Ltd.	0	1951	1951

S. No.	Name of Service Provider	Narrowband	Broadband	Total
266	D2R INFOTECH PRIVATE LIMITED	0	1942	1942
267	TACT COMMUNICATION PVT LTD	0	1925	1925
268	MULTIREACH BROADBAND SERVICES PRIVATE LIMITED (UL-ISP)	0	1919	1919
269	RSW Infoway Digital Solution Pvt Ltd	0	1895	1895
270	Bakcom Networks India Pvt. Ltd.	0	1882	1882
271	Megahertz Internet Network Pvt. Ltd.	0	1865	1865
272	BLITS GLOBAL TECHNOLOGIES Pvt. LTD	0	1854	1854
273	KKD BROADBAND PRIVATE LIMITED	0	1854	1854
274	NCore CreativeTechnologies Pvt. Ltd. (VNO)	1342	500	1842
275	IQTERA COMMUNICATION PVT LTD	0	1824	1824
276	Scud Communication Pvt. Ltd.	0	1811	1811
277	Spider Broadband Pvt. Ltd..	0	1807	1807
278	Sefaro Networks Pvt. Ltd.	0	1790	1790
279	F2Connect Private Limited	0	1781	1781
280	VAYU ONLINE PRIVATE LIMITED	0	1745	1745
281	Corsica Solutions Private Limited	0	1706	1706
282	ZESS NETWORKS PRIVATE LIMITED	0	1703	1703
283	RAPIDMOVE BROADBAND SERVICES PRIVATE LIMITED	0	1700	1700
284	Allnet Broadband Network Pvt. Ltd.	0	1696	1696
285	Cyber City ExtremeBroadband Pvt. Ltd.	0	1694	1694
286	Jiffy Cable & Datacom Pvt. Ltd.	0	1686	1686
287	Oxynet Telecommunications Pvt. Ltd	0	1676	1676
288	U.P. Communication Services Pvt. Ltd.	0	1675	1675
289	BENVAR PRIVATE LIMITED	0	1662	1662
290	TRICHY CHANNEL NINE CABLENET Pvt Ltd.	0	1653	1653
291	psnet solutions pvt ltd	0	1640	1640
292	S P Internet Technologies Pvt. Ltd.	0	1635	1635
293	Kings Broadband Pvt. Ltd (VNO)	0	1616	1616
294	Spectram Telecom Pvt.Ltd	0	1604	1604
295	City Online AP Pvt. Ltd.	0	1598	1598
296	Packenet Solutions Pvt. Ltd.	0	1557	1557
297	Lbs Infoway India Pvt. Ltd.	0	1553	1553
298	Teligus Networks Pvt. Ltd	0	1550	1550
299	Ski Network Services Pvt. Ltd	0	1544	1544
300	Osbnnet Broadband Pvt. Ltd.	0	1539	1539
301	B2H Infonet Pvt. Ltd.	0	1534	1534
302	F/X Wireless Technology Services Pvt. Ltd.	0	1534	1534
303	NETWAY INFOTECH PVT LTD	0	1525	1525

S. No.	Name of Service Provider	Narrowband	Broadband	Total
304	JB Jain Broadband Solutions Private Limited	0	1520	1520
305	Shikhar BroadbandEnterprises Pvt. Ltd.	0	1520	1520
306	TECHNETSOL INFOTECH PRIVATE LIMITED	0	1516	1516
307	Skynet Datacom Pvt. Ltd.	0	1512	1512
308	FoFo Networks Private Limited	0	1505	1505
309	S S Fiber Net OpticalCommunication Pvt. Ltd.	0	1503	1503
310	F2H Networks Pvt. Ltd.	0	1500	1500
311	Sadaa SmartlinksCommunication Pvt. Ltd.	0	1498	1498
312	Mana Broadband Pvt. Ltd.	0	1495	1495
313	ERO WIDE COMM Pvt. Ltd.	0	1494	1494
314	GREEN ARROW TECHNOLOGY PRIVATE LIMITED	0	1491	1491
315	Thrishul Broadband Pvt. Ltd..	0	1486	1486
316	Unigro Infranet Online Pvt. Ltd.	0	1481	1481
317	Raze Networks Pvt. Ltd.	0	1456	1456
318	MGI NETWORKS PVT LTD	0	1443	1443
319	VSJ INTERNET SERVICES PVT. LTD.	0	1429	1429
320	Speedmaxx Digital Networks Pvt. Ltd.	0	1412	1412
321	Revolution Broadband Pvt. Ltd.	0	1364	1364
322	FUTURE NETSANCHAR LIMITED	0	1356	1356
323	Veloxr Telecom Pvt. Ltd.	0	1351	1351
324	Nikita Broadband Pvt. Ltd	0	1330	1330
325	Stackbit Internet Services Pvt. Ltd.	0	1327	1327
326	AIRLINE INTERNET SOLUTIONS INDIA PVT LTD	0	1311	1311
327	Global (India) Tele Infra Pvt. Ltd.	0	1310	1310
328	MORE WIFI INTERNET PRIVATE LIMITED	0	1301	1301
329	Gigacast Network Pvt. Ltd.	0	1295	1295
330	ROARNET BROADBAND PRIVATE LIMITED	0	1286	1286
331	DHL Broadband Net Pvt. Ltd.	0	1285	1285
332	Vizag BroadbandCommunications Pvt. Ltd.	0	1275	1275
333	MHASE INTERNET NETWORK (OPC) PRIVATE LIMITED	0	1272	1272
334	PADMESH BROADBAND PRIVATE LIMITED	0	1260	1260
335	Suncity Broadband Pvt. Ltd.	0	1260	1260
336	Peak Air Pvt. Ltd.	0	1258	1258
337	Airwaves Internet Pvt. Ltd.	0	1255	1255
338	Aspirare Communications Pvt Ltd	0	1254	1254
339	MAURY BROADBAND MARKETING PRIVATE LIMITED	0	1252	1252
340	Clickian Network Pvt. Ltd.	0	1250	1250
341	Minnal DigitalNetwork (P) Ltd.	0	1235	1235
342	AMK SUNBEAM COMMUNICATION PRIVATE LIMITED	0	1232	1232

S. No.	Name of Service Provider	Narrowband	Broadband	Total
343	CARE BROADBAND PRIVATE LIMITED	0	1220	1220
344	MAHARTH INTERNET SERVICES PRIVATE LIMITED	0	1218	1218
345	Sigaram Networks Pvt. Ltd.	0	1214	1214
346	Treelink Broadband Pvt. Ltd.	0	1214	1214
347	Sukruti Gcn Networks Pvt. Ltd.	0	1210	1210
348	Navkar Netsol Pvt. Ltd..	0	1208	1208
349	Sharplink Wireless Solution Pvt. Ltd.	0	1194	1194
350	SHAILDHAR TELECOM SERVICES Pvt. LTD	0	1171	1171
351	AKASI NETWORKS PRIVATE LIMITED	0	1166	1166
352	SkyComm Internet Service Private Limited	0	1151	1151
353	Catla IT & Engineering Co Pvt. Ltd.	0	1150	1150
354	CITY TRANSMISSION NETWORK PRIVATE LIMITED	0	1139	1139
355	EBENEZAR COMMUNICATIONS PVT. LTD.	0	1138	1138
356	Shrisai Shavenk Technologies Pvt. Ltd.	0	1133	1133
357	Green Tech Net Com Pvt. Ltd.	0	1118	1118
358	ARCLINK NETWORK Pvt Ltd.	0	1110	1110
359	PREFIX INFOTECH PRIVATE LIMITED	0	1091	1091
360	Trueinet Networks Pvt.Ltd	0	1091	1091
361	Blu Ultraband Internet Services Private Limited	0	1088	1088
362	FLYLINK INTERNET SERVICES PRIVATE LIMITED	0	1085	1085
363	INFOLINK BROADBAND SERVICES PRIVATE LIMITED	0	1080	1080
364	HPS DIGITAL BROADBAND PVT LTD	0	1079	1079
365	DIGHES INTERNET SERVICES (OPC) PRIVATE LIMITED	0	1078	1078
366	Uzaina Business India Pvt. Ltd.	0	1062	1062
367	MARUTHI INTERNET PRIVATE LIMITED	0	1056	1056
368	Anushree DigitalNetwork Pvt. Ltd.	0	1054	1054
369	Venessa Internet Pvt. Ltd.	0	1053	1053
370	THINGS OF INDIA (OPC) PRIVATE LIMITED	0	1050	1050
371	PRIYANK INFOMATICS (OPC) PRIVATE LIMITED	0	1045	1045
372	Elyzium Technologies Pvt. Ltd.	0	1043	1043
373	SIS NETWORKS PVT LTD	0	1036	1036
374	NETSAT COMMUNICATIONS PVT. LTD.	0	1022	1022
375	AIRWIR TECHNOLOGIES PVT LTD	0	1020	1020
376	ACN Fiber Pvt. Ltd.	0	1019	1019
377	DNS SKYLINK PVT. LTD.	0	1016	1016
378	Netlinx Limited	0	1016	1016
379	ARJUN BROADBAND PRIVATE LIMITED	0	1012	1012
380	Pintwire infomatics pvt ltd	0	1007	1007
381	INET SERVICES PVT LTD	0	1005	1005

S. No.	Name of Service Provider	Narrowband	Broadband	Total
382	swami Samarth Broadband Service Pvt Ltd	0	1004	1004
383	RKG BROADBAND PRIVATE LIMITED	0	1001	1001
384	VORTEX NETWORKS PRIVATE LIMITED	0	999	999
385	Al-Mairah Braodband Pvt. Ltd.	0	998	998
386	JCN INTERNET PVT LTD	0	998	998
387	Onet Digital Networks Pvt. Ltd..	0	997	997
388	Velocity Broadband Pvt. Ltd.	0	997	997
389	FASTCOM TELELINK PRTVATE LIMITED	0	995	995
390	777 NETWORK BROADBAND PRIVATE LIMITED	0	990	990
391	WANSH INTECH SERVICES HUB PRIVATE LIMITED	0	988	988
392	APEX FIBERNET PRIVATE LIMITED	0	984	984
393	Hostaxis Network Pvt. Ltd.	0	976	976
394	FIBERSTORY COMMUNICATIONS PRIVATE LIMITED (erstwhile SHENG LI TELECOM INDIA PRIVATE LIMITED)	0	968	968
395	Getway Broadband Pvt. Ltd.	0	963	963
396	GPS Connection Private Limited	0	961	961
397	Ultimate Internet Services Pvt. Ltd.	0	949	949
398	IAXN TELECOM PVT LTD	0	936	936
399	ZENNET SERVICES PRIVATE LIMITED	0	925	925
400	Lakecity Intercom Private Limited	0	924	924
401	ELITEL SOLUTIONS PRIVATE LIMITED	0	923	923
402	Wyris Network Pvt. Ltd.	0	923	923
403	Vinayak internet services pvt ltd	0	910	910
404	Ashley Internet Services Pvt. Ltd.	0	903	903
405	SPEED HEX TELE COMMUNICATIONS PRIVATE LIMITED	0	901	901
406	RADHIKA COMMUNICATION BROADBANDPRIVATE LIMITED	0	898	898
407	SRI KRISHNA INTERNET SERVICE PVT LTD	0	898	898
408	Grace Teleinfra Pvt Ltd	0	889	889
409	Mhatoba BroadbandPvt. Ltd	0	881	881
410	FASTNET COMMUNICATION PVT. LTD.	0	879	879
411	BRISKCOM INFOWAY PRIVATE LIMITED	0	878	878
412	Primenet Global Private Limited (erstwhile known as Primenet Global Ltd.)	0	877	877
413	Meerut Internet ServicesPvt. Ltd.	0	860	860
414	Netfirst Communications Pvt. Ltd.	0	860	860
415	SVD Digital Networks Pvt. Ltd.	0	860	860
416	AU NetworksPvt. Ltd.	0	854	854
417	Graceway Infrastructure and Services Pvt. Ltd	0	854	854

S. No.	Name of Service Provider	Narrowband	Broadband	Total
418	MIT ONLINE OPC Pvt Ltd	0	848	848
419	SHREENAY TECHNOLOGIES PRIVATE LIMITED	0	841	841
420	ALLIANT NETWORK SOLUTIONS PRIVATE LIMITED	0	832	832
421	RAGAI NETWORK PRIVATE LIMITED	0	829	829
422	VICTORY DIGITAL NETWORK PRIVATE LIMITED	0	821	821
423	NM PARIBAS PRIVATE LIMITED	0	820	820
424	SETNET BROADBAND PRIVATE LIMITED	0	820	820
425	Darer Internet Services Pvt. Ltd.	0	819	819
426	Costel Networks Pvt. Ltd.	0	818	818
427	BBRG Communication and Internet Pvt. Ltd.	0	817	817
428	POWERNET TELECOM PVT LTD (VNO)	0	814	814
429	Japneet Fiber Private Limited	0	811	811
430	Seyon Tele Infra Private Limited	0	810	810
431	Speednet Infracom Pvt. Ltd.	0	809	809
432	STARPLANET TECHNOVISION PRIVATE LIMITED	0	808	808
433	Balaji Infra Ray Pvt. Ltd.	0	804	804
434	Sujos Infotech Pvt. Ltd.	0	804	804
435	M/s NTT Communications India Network Services Private Ltd.	0	803	803
436	Skyber Broadband Service Pvt. Ltd	0	800	800
437	SNDC COMMUNICATION PRIVATE LIMITED	0	800	800
438	Nettab Broadband Pvt Ltd	0	798	798
439	BTS TELECOM PVT LTD	0	795	795
440	AKD NETWORK PRIVATE LIMITED	0	792	792
441	GIGANET DIGITAL NET SERVICES PVT LTD.	0	791	791
442	Spider Broadband & Cable Pvt. Ltd.	0	790	790
443	HINDAVI TELECOM PRIVATE LIMITED	0	785	785
444	HASTEN NETWORK PRIVATE LIMITED	0	783	783
445	Visputes Internet Pvt. Ltd.	0	781	781
446	PARAMOUNT INFINET PVT. LTD.	0	773	773
447	DURONTO NETWORKS (OPC) PRIVATE LIMITED	0	771	771
448	G B Internet Service Private Limited	0	770	770
449	PING PLUS TECHNOLOGIES PVT LTD	0	763	763
450	Rida Communication Pvt. Ltd.	38	723	761
451	Sampath Venkateswara Communications Pvt. Ltd. (VNO)	0	760	760
452	Blue Net IT Solutions Pvt. Ltd.	0	754	754
453	Sarvada net Pvt. Ltd	0	753	753
454	Excel UG Pvt. Ltd	0	749	749
455	R.P.TECH-ZONE PRIVATE LIMITED	0	746	746
456	Uttam Infranet Pvt. Ltd..	0	743	743

S. No.	Name of Service Provider	Narrowband	Broadband	Total
457	Zoram Infonet Pvt. Ltd.	0	740	740
458	B R MHATRE PRIVATE LIMITED	0	739	739
459	TECHEDGE BROADBAND PRIVATE LIMITED	0	739	739
460	SG Broadband Internet Pvt. Ltd.	0	736	736
461	Rtel Internet services Pvt Ltd	0	735	735
462	Gulbarga Mega Speed Pvt Ltd	0	731	731
463	Shineplus Networks Pvt. Ltd.	0	716	716
464	Suraj Networks Pvt. Ltd.	0	715	715
465	BADLAPUR BROADBAND SERVICES PRIVATE LIMITED	0	714	714
466	Wizbyte Networks Pvt.Ltd	4	707	711
467	Mahabal Net Service Provider	0	710	710
468	Dhanam Internet Services India Pvt. Ltd.	0	709	709
469	Robust Pixel Connect Private Limited	0	707	707
470	FASTJET TELECOM PRIVATE LIMITED	0	704	704
471	ALLIED IT INFRASTRUCTURE & SERVICES PRIVATE LIMITED	0	696	696
472	Asg Telecom Pvt. Ltd	0	696	696
473	CHARLIEBOY NETWORK PRIVATE LIMITED	0	695	695
474	GAURESH CABLENET SERVICES PRIVATE LIMITED	0	695	695
475	Software Technology Parks of India	27	668	695
476	GREY SKY INTERNET SERVICES PRIVATE LIMITED	0	692	692
477	HDM BROADBAND PRIVATE LIMITED	0	692	692
478	Bapu Internet Services Pvt. Ltd.	0	690	690
479	Singh Televentures Pvt Ltd	0	683	683
480	INTERJET INDIA PRIVATE LIMITED	0	681	681
481	INCUBIX UNIFIED SOLUTIONS PRIVATE LIMITED	0	677	677
482	Gloiosa Infotel IT Services Pvt. Ltd.	0	670	670
483	N4U broadband pvt.ltd	0	670	670
484	YES BROADBANDPRIVATE LIMITED	0	667	667
485	Powergrid Teleservices Limited	0	665	665
486	Reliance Communications Limited	665	0	665
487	Kosmic Broadband Pvt Ltd	0	662	662
488	OM INTERNET BROADBAND SERVICE Pvt. LTD	662	0	662
489	Tanvi Broadband Pvt Ltd	0	662	662
490	C. J. Online Pvt. Ltd.	0	655	655
491	Techwynk Broadband Connect Pvt.Ltd.	0	655	655
492	SAI DWARAWATI NET SERVICES PVT. LTD.	0	651	651
493	Development Logics Solutions Pvt. Ltd.	0	650	650
494	Omata Net Pvt. Ltd.	0	650	650

S. No.	Name of Service Provider	Narrowband	Broadband	Total
495	DATASTREAM NETWORKS Pvt Ltd	0	648	648
496	MSINFINITY ETHERNET SOLUTIONS PRIVATE LIMITED	0	644	644
497	Sasa BroadbandTechnologies Pvt. Ltd.	0	640	640
498	Wavetree Networks Pvt. Ltd.	0	640	640
499	Bass Jokernet Pvt. Ltd.	0	630	630
500	COMPLIANCE BROADBAND PRIVATE LIMITED	0	625	625
501	Moradabad Internet Services Pvt. Ltd.	0	620	620
502	Tiyatel Communications Pvt Ltd	0	619	619
503	SPARK TELECOMMUNICATION PRIVATE LIMITED	0	618	618
504	Gleam Worldwide Services Pvt. Ltd.	0	616	616
505	TOUCH NET INDIATELESERVICES PRIVATE LIMITED	0	616	616
506	Airway Communication Services India Pvt. Ltd.	0	608	608
507	RNET GIGAFIBER Pvt. LTD	608	0	608
508	Clicknet Communication Pvt. Ltd.	0	602	602
509	Easy Solutions InternetServices Pvt. Ltd.	0	600	600
510	NETARC SOLUTIONS PRIVATE LIMITED	0	598	598
511	BHORER ALO CABLE AND BROADBAND PRIVATE LIMITED (UL-ISP)	0	595	595
512	FRONTIER INFRA COMMUNICATIONS PRIVATE LIMITED	0	595	595
513	Microsense Pvt Ltd	0	595	595
514	Syncbroad NetworksPvt. Ltd	0	595	595
515	SKY FI BROADBAND SERVICES PRIVATE LIMITED	0	590	590
516	HANSA BROADBAND SERVICES PRIVATE LIMITED	0	584	584
517	R.P World Webnet Pvt.Ltd.	0	579	579
518	SARVA AIRWORLD NETWORK PVT LTD	0	575	575
519	Rajesh Patel Net Services Pvt. Ltd.	0	574	574
520	Touchnet Broadband Services Pvt. Ltd.	0	572	572
521	Gowio Networks Pvt. Ltd	0	571	571
522	SPEEDNET DIGITAL FTH (OPC) PRIVATE LIMITED	0	567	567
523	STARMATRIX NETWORKS PVT LTD	0	563	563
524	JOITEX TELECOM PRIVATE LIMITED	0	560	560
525	DREAMNET GIGAFIBER PRIVATE LIMITED	0	553	553
526	LIMERICK TECHNOLOGIES PRIVATE LIMITED	0	551	551
527	Blazing SpeedBroadband Pvt. Ltd.	0	550	550
528	GLOBNET BROADBAND SERVICE PRIVATE LIMITED	0	550	550
529	NET UP COMMUNICATION SERVICES PRIVATE LIMITED	0	550	550
530	Prayag BroadbandPvt. Ltd.	0	550	550
531	Reticule Infotech Pvt. Ltd.	0	550	550
532	RK Broadband Hifi Services Pvt Ltd	550	0	550

S. No.	Name of Service Provider	Narrowband	Broadband	Total
533	APPCALL INTERNET SERVICES PRIVATE LIMITED	0	548	548
534	Feathers wireless network (opc) Pvt. Ltd.	0	545	545
535	SRI NETT PRIVATE LIMITED	545	0	545
536	Unborn Networks Pvt. Ltd.	0	545	545
537	Datamax Technologies Pvt Ltd	0	544	544
538	LINKTEL INFOTECHNOLOGY PRIVATE LIMITED	0	544	544
539	Fastnet Wire & Wireless Solutions Pvt. Ltd.	0	543	543
540	FIBER POWER CONNECTS PRIVATE LIMITED	0	540	540
541	RACSANN TECHNOLOGIES PVT. LTD.	0	535	535
542	INTERCITY FIBER NETWORKS PRIVATE LIMITED	0	532	532
543	Goodwill Smartlink Pvt. Ltd.	0	530	530
544	DSOUZA INTERNET SERVICES PRIVATE LIMITED	0	529	529
545	VASANSHAH NETWORK PRIVATE LIMITED	0	529	529
546	SABARI MURGAN CABLE SERVICES PRIVATE LIMITED	0	528	528
547	Malang Solutions Pvt. Ltd.	0	527	527
548	VELS FIBERNET PRIVATE LIMITED	0	527	527
549	Grasamjay Right Networks Pvt Ltd	0	525	525
550	Spiretel Technologies Pvt Ltd	0	520	520
551	PRATIK NETWORKING SOLUTIONS PRIVATE LIMITED	0	515	515
552	Bandwidth Infinity Pvt. Ltd	0	513	513
553	Bluwaves Internet Services India Pvt. Ltd.	0	513	513
554	Sense Connect IT Pvt. Ltd.	0	513	513
555	7 Sai Net Solutions Pvt. Ltd.	0	512	512
556	Manish Infocom Pvt. Ltd.	0	511	511
557	AARADHY LIAISON SERVICES PRIVATE LIMITED	0	510	510
558	Kataria Net Solutions Pvt. Ltd.	0	510	510
559	SAI KUMAR INFONET PRIVATE LIMITED	0	510	510
560	Alien DNS Pvt. Ltd.	0	508	508
561	DARHAWNI BUSINESS ENTERPRISE PRIVATE LIMITED	0	505	505
562	CLOUDPATH TELECOM PVT LTD	0	504	504
563	Sprioc Web Private Limited	0	504	504
564	Kad-Syscon Networks Pvt. Ltd	0	503	503
565	BDL NETWORKING PRIVATE LIMITED	0	500	500
566	LINKWAY INTERNET PRIVATE LIMITED	0	500	500
567	Royal Connect Solutions Pvt. Ltd	0	499	499
568	OPTO Communications Private Limited	0	496	496
569	DIGITAL SSV NET SOL PRIVATE LIMITED	0	495	495
570	BHAVESH CABLE AND INTERNET SERVICES PRIVATE LIMITED	0	491	491

S. No.	Name of Service Provider	Narrowband	Broadband	Total
571	JMD INTERNET AND SERVICES PVT. LTD.	0	490	490
572	KOSHI BROADBAND COMMUNICATIONS (OPC) PVT LTD	0	487	487
573	Mall and Mall Digiworld Pvt. Ltd.	0	487	487
574	Sparklink. Net Pvt. Ltd.	0	485	485
575	Sivaan Infocom Pvt. Ltd	0	484	484
576	Daksh Broadband Services Pvt. Ltd.	0	483	483
577	Inter Net LY Pvt. Ltd.	0	479	479
578	Shass Information and Quality Engineering Services Pvt. Ltd.	0	477	477
579	Wireline Solution India Pvt Ltd	0	472	472
580	Monark Broadband Private Limited	0	471	471
581	Click 4 Net InternetServices Pvt. Ltd.	0	470	470
582	FRONTLINE INTERNET SERVICES PRIVATE LIMITED	0	468	468
583	Galactic Internet Private Limited	0	468	468
584	KKM Broadband Internet Pvt. Ltd.	0	466	466
585	SAPTRANET INDIA PVT LTD	0	466	466
586	DIVYATA TECHNOLOGIES PRIVATE LIMITED	0	465	465
587	SYNCFAC TO CONSULTING Pvt Ltd.	0	465	465
588	AL HUTAIB NETSOL PRIVATE LIMITED	0	463	463
589	Southern Online Bio Technologies Ltd.	0	463	463
590	SERANS FIBERNET PRIVATE LIMITED	0	460	460
591	Unisas Netserve Pvt. Ltd.	0	454	454
592	ZAK NETWORKS INDIA PRIVATE LIMITED	0	454	454
593	KASHID TELECOM INDIA PRIVATE LIMITED erstwhile Shree Manoranjan Broadband Pvt. Ltd.	0	451	451
594	MANA INTERNET SERVICES PRIVATE LIMITED	0	451	451
595	Sistemas Information Technology Pvt. Ltd.	0	451	451
596	SAI LEELA'S INTERNET SERVICE PVT. LTD.	0	450	450
597	BSL Technologies Pvt. Ltd.	0	449	449
598	DMDS SOLUTIONSPRIVATE LIMITED	0	448	448
599	CLOUDLASERS TELECOM PRIVATE LIMITED	0	445	445
600	Nextra Communications Private Limited	0	445	445
601	Surround Networks Pvt Ltd	0	443	443
602	MREZHI INTERNET PRIVATE LIMITED	0	440	440
603	Daan Communications Private Limited	0	438	438
604	Unet Communication Pvt. Ltd.	0	438	438
605	Ayman Internet Pvt. Ltd.	0	430	430
606	CNS Infotel Services Pvt. Ltd..	0	429	429
607	Vinayaga Communications Pvt Ltd.	0	429	429
608	Netrexo Communications Private Limited	0	425	425

S. No.	Name of Service Provider	Narrowband	Broadband	Total
609	GREEN SMART INFRACON PRIVATE LIMITED	0	424	424
610	SPARKLIGHT INTERNET PRIVATE LIMITED	0	423	423
611	NETKLIKS COMMUNICATIONS PRIVATE LIMITED	0	419	419
612	Apex Broadband Network Pvt Ltd	0	417	417
613	Earthlink Broadband Pvt. Ltd	0	414	414
614	Raagav Communications Pvt. Ltd.	0	411	411
615	Acegen Broadband Pvt. Ltd.	0	402	402
616	MEGATEL NETWORKS Pvt Ltd.	0	399	399
617	CCN BROADBAND (INDIA) PRIVATE LIMITED	0	398	398
618	BT Global Communication India Pvt. Ltd.	0	394	394
619	NEONET COMMUNICATIONS PVT. LTD.	0	394	394
620	Quick Link Broadband and Services Pvt. Ltd.	0	393	393
621	ANGEL AIR NETWORK SOLUTIONS PVT LTD	0	392	392
622	Hipoint Connect Pvt. Ltd.	0	392	392
623	TECHNOMEX INFOCOM SYSTEMS PVT LTD.	0	392	392
624	DV INFOCOM PRIVATE LIMITED	0	390	390
625	PULSE TELESYSTEMS PRIVATE LIMITED	0	388	388
626	Gera Cable Internet Service Pvt. Ltd.	0	387	387
627	AWLIV LIVING SOLUTIONS PRIVATE LIMITED	0	385	385
628	DYSINT NETWORKS PRIVATE LIMITED	0	384	384
629	Terrafiber Networks Pvt. Ltd.	0	384	384
630	Varsha Datacom Services Pvt. Ltd.	0	382	382
631	airtechzone services india private limited	0	381	381
632	GANAK FIBER COMMUNICATION PRIVATE LIMITED	0	380	380
633	Skylink Fibernet Pvt. Ltd.	0	380	380
634	Broadstar Net India Pvt. Ltd.	0	379	379
635	CONSAM TELECOM PRIVATE LIMITED	0	378	378
636	BPS COMMUNICATION AND SERVICES PRIVATE LIMITED	0	377	377
637	EASYNET BROADBAND PRIVATE LIMITED	0	374	374
638	NETZI BROADBAND SERVICES PVT LTD	373	0	373
639	DMP Internet Services Pvt. Ltd	0	370	370
640	Aeroway Networks Pvt. Ltd.	0	369	369
641	Netway Internet Services	0	369	369
642	Airlink Teleservices Private Limited	0	366	366
643	INVCB Network Pvt. Ltd.	0	364	364
644	I-Infolink Networks Pvt. Ltd.	0	363	363
645	SREEDEVI COMMUNICATIONS PRIVATE LIMITED	0	362	362
646	MANUMATA FIBER NET SOLUTIONS PRIVATE LIMITED	0	359	359
647	VN ETHERNET INDIA PRIVATE LIMITED	0	359	359

S. No.	Name of Service Provider	Narrowband	Broadband	Total
648	Imperium Digital Network Pvt. Ltd.	0	355	355
649	3J Global Services Pvt Ltd	0	353	353
650	VIVEK NETWORK PRIVATE LIMITED	0	353	353
651	Proline Datatech Services Pvt. Ltd.	0	351	351
652	Shri Samarth Infobahn Pvt. Ltd.	0	351	351
653	CHANNEL 3 INFO MEDIA PRIVATE LIMITED	0	350	350
654	TRIGART INTERNET PVT. LTD.	0	349	349
655	Runet infotech India pvt ltd	0	346	346
656	24ONLINE NETWORK AND TECHNOLOGY PRIVATE LIMITED	0	343	343
657	Excogitate Technologies Pvt. Ltd.	0	343	343
658	SWANAND INTERNET SERVICES PRIVATE LIMITED	0	343	343
659	SKYHUNT IT PARK PVT LTD.	0	342	342
660	KSK Broadband Pvt. Ltd.	0	338	338
661	Verizon Communications India Pvt. Ltd.	0	338	338
662	VDCN INFOTECH PRIVATE LIMITED	0	335	335
663	PRONET PRIVATE LIMITED	0	334	334
664	Yuva Communications Private Limited	0	332	332
665	BLUELINE BROADBAND PRIVATE LTD	0	329	329
666	Orange City InternetServices Pvt. Ltd.	0	329	329
667	R N Broadband Online Pvt. Ltd	0	325	325
668	RIGA TECH PRIVATE LIMITED	0	325	325
669	CAB-NET SERVICES PRIVATE LIMITED	0	319	319
670	METALINK NETWORKS PRIVATE LIMITED	0	312	312
671	Nandita Infocom Pvt. Ltd.	0	312	312
672	Peer Networks Private Limited	0	311	311
673	TELANGANA FIBER GRID CORPORATION LTD	0	311	311
674	GPALV BROADBAND PRIVATE LIMITED	0	310	310
675	IMMORTAL INTERNET PRIVATE LIMITED	0	308	308
676	Gramin Broadband Network Pvt. Ltd.	0	307	307
677	FIRST CHOICE BROADBAND (OPC) PRIVATE LIMITED	0	304	304
678	Barani Data Solutions Private Limited	0	302	302
679	Devdarpan Broadband Pvt Ltd	0	302	302
680	EYE FASTNET SERVICE PRIVATE LIMITED	0	301	301
681	Gponspace Internet India Pvt. Ltd.	0	300	300
682	KISHAN WEALTH MANAGEMENT PRIVATE LIMITED	0	300	300
683	JD Net Enterprises Pvt. Ltd	0	298	298
684	Bluenet Broadband Services Pvt. Ltd.	0	297	297
685	O V NETWORKS Pvt Ltd.	0	295	295

S. No.	Name of Service Provider	Narrowband	Broadband	Total
686	AT&T Global Network Services India Pvt. Ltd. (UL-ISP)	0	294	294
687	METREXA BROADNET PRIVATE LIMITED	0	292	292
688	WAY2NET IT SERVICES PVT LTD	0	291	291
689	FLITZEN BROADBAND Pvt Ltd.	0	290	290
690	PRO MULTILINK SERVICE (OPC) PRIVATE LIMITED	290	0	290
691	CLOUDINSTA24 SERVICES PRIVATE LIMITED	0	289	289
692	SMARTLINK BROADBAND SERVICES PVT LTD	0	286	286
693	FABLINKS NETWORKS PRIVATE LIMITED	0	285	285
694	KALYAN BROADBAND PRIVATE LIMITED	0	281	281
695	NAKODA NETWORK PRIVATE LIMITED	0	281	281
696	LEROY NETWORKS AND SERVICES PRIVATE LIMITED	0	280	280
697	LINKUNIVERSE COMMUNICATION PRIVATE LIMITED	0	280	280
698	Citylink Broadband Services Pvt. Ltd.	0	279	279
699	PALGHAR NETWORK PRIVATE LIMITED	0	279	279
700	KRISHNAGIRI FIBER INTERNET PRIVATE LIMITED	0	278	278
701	RAMYAA INTERNET SERVICES PRIVATE LIMITED	0	278	278
702	SBS BROADBAND AND CABLE PVT. LTD.	0	275	275
703	King Netsol Pvt. Ltd.	0	271	271
704	MANAS INTERNET TECHNOLOGY PRIVATE LIMITED	0	270	270
705	NIVID TELECOM INDIA PRIVATE LIMITED	0	270	270
706	NIVID TELECOM INDIA Pvt Ltd. (UL-ISP)	0	270	270
707	PRO STARVISION (OPC) PVT. LTD.	0	270	270
708	WINDWIRE NETWORKS PRIVATE LIMITED	0	269	269
709	AT&T Global Network Service India Private Limited (VNO)	0	268	268
710	Hyber Networking Pvt. Ltd.	0	267	267
711	SWAMIVATVRUKSHA NET (OPC) PVT LTD	0	265	265
712	ASIAN BROADBAND SOLUTIONS PRIVATE LIMITED	0	264	264
713	BHAVANI VMD BROADBAND PRIVATE LIMITED	0	261	261
714	SPACELINK INTERNET (OPC) PRIVATE LIMITED	0	261	261
715	HANUMAT NETWORKS PRIVATE LIMITED	0	260	260
716	Nivak Communications Pvt. Ltd	0	260	260
717	Vizcon Digital Pvt. Ltd.	260	0	260
718	SHARVA TELENET Pvt Ltd.	0	258	258
719	STANET INTERNET SERVICES PRIVATE LIMITED	0	257	257
720	TELEMANTRRA SALES CORPORATION PRIVATE LIMITED	0	256	256
721	BLESS NETWORK PRIVATE LIMITED	0	254	254
722	SRI RAM BROADBAND SERVICES PRIVATE LIMITED	0	254	254
723	Honey Broadband Services Pvt. Ltd.	0	252	252
724	SNT Broadband Pvt. Ltd.	0	252	252

S. No.	Name of Service Provider	Narrowband	Broadband	Total
725	TIMMI MULTIMEDIA PRIVATE LIMITED	0	252	252
726	Promptnet Broadband Pvt. Ltd.	0	251	251
727	Linkio Fibernet Private Limited	0	250	250
728	SPEEDGLOBAL TELECOM NETWORK PRIVATE LIMITED	0	250	250
729	R.K. Superfast Wifi Private Limited	0	248	248
730	ADRI INFOCOM Pvt. Ltd.	246	0	246
731	MRRIDSYS TECHNOLOGIES PVT LTD	0	245	245
732	Digital Telco Network India Pvt. Ltd.	0	244	244
733	Breitband Technologies Private Limited	0	243	243
734	YFI NETWORKS	103	140	243
735	LINKSPEED TELEINFRA PRIVATE LIMITED	0	242	242
736	TAIBA SUPER INTERNET PRIVATE LIMITED	0	241	241
737	TEJNET GIGAFIBER PRIVATE LIMITED	0	240	240
738	Vaishnavaiabhavi Internet Solutions Private Limited	0	239	239
739	HDN COMMUNICATIONS PRIVATE LIMITED	0	236	236
740	JTM Internet Pvt. Ltd	0	236	236
741	MEGASURF BROADBAND SERVICES OPC PVT LTD.	0	236	236
742	SFNS NETWORK PVT LTD	0	236	236
743	DAVA TELECOM PRIVATE LIMITED	0	234	234
744	MANTHANAM NETSOL PRIVATE LIMITED	0	234	234
745	LAYA NETWORK PRIVATE LIMITED	0	233	233
746	HAWK NETWORKS	0	232	232
747	SAIDEEP BROADBAND PRIVATE LIMITED	0	232	232
748	AIRMAX SOLUTION AND INTERNET SERVICES PVT LTD	0	231	231
749	SHIVKRANTI INTERNET SERVICES PVT. LTD.	0	230	230
750	KHUSHI CABLE AND TELEINFRA PRIVATE LIMITED	0	229	229
751	NIKITA INTERNET SERVICES PRIVATE LIMITED	0	229	229
752	STN Communication & Advertising Pvt. Ltd.	0	229	229
753	ZEES BROAD BAND PRIVATE LIMITED	0	228	228
754	Airwire Infocom Pvt. Ltd.	0	226	226
755	Simplex Broadband Pvt. Ltd.	0	226	226
756	ZR NET OPC PVT LTD	0	226	226
757	METAWAVES PRIVATE LIMITED	0	225	225
758	PRSHREE Networks Private Limited	0	225	225
759	TEJNET BROADBAND Pvt Ltd.	0	225	225
760	HiFi Broadband Pvt. Ltd.	0	224	224
761	Ecreado Network Solutions Pvt. Ltd.	0	223	223
762	LINKWAVE TECHNOLOGIES PVT LTD	0	221	221
763	AIRONET BROADBAND PRIVATE LIMITED	0	220	220

S. No.	Name of Service Provider	Narrowband	Broadband	Total
764	Speedster Communications Pvt. Ltd	0	220	220
765	Gigatel Infocomm Private Limited	0	219	219
766	TENG NETWORK SOLUTION PRIVATE LIMITED	219	0	219
767	Vrednus Network Pvt. Ltd.	0	219	219
768	Netwire Internet Solutions Pvt. Ltd.	0	218	218
769	Srushti Broadband And Internet Services Pvt. Ltd.	0	218	218
770	Fabnet Services Private Limited	0	217	217
771	RIHANT INFOTECH PVT. LTD	0	217	217
772	SSICON SYSTEMS PRIVATE LIMITED	0	214	214
773	Fibernet Solutions (OPC) Pvt. Ltd.	0	212	212
774	NETCONNECT SERVICES PRIVATE LIMITED	0	212	212
775	Apex Netcom India Pvt. Ltd.,	0	211	211
776	Enhancelink CoreportPvt. Ltd	0	211	211
777	Tca Network Pvt Ltd	0	211	211
778	Dataexpress Pvt. Ltd	0	210	210
779	KARNET COMMUNICATIONS LIMITED	0	210	210
780	SmchondheCommunication Pvt. Ltd	0	210	210
781	TLN COMMUNICATION PRIVATE LIMITED	0	210	210
782	WINNET BROADBAND PRIVATE LIMITED	0	210	210
783	Rae Internet Service Provider Pvt Ltd	0	209	209
784	RONAK INTERNET SERVICES PRIVATE LIMITED	0	209	209
785	LINK 4 DATA COMMUNICATION PVT LTD	0	208	208
786	JAYBHOLE CABLE VISION PRIVATE LIMITED	0	207	207
787	OS IT SERVICES PRIVATE LIMITED	0	207	207
788	Shivraj Broadband Internet Pvt. Ltd.	0	206	206
789	JEETU BROADBAND PRIVATE LIMITED	0	205	205
790	NEAM COMMUNICATIONS PRIVATE LIMITED	0	205	205
791	S.V.C CABLE NET PRIVATE LIMITED	0	205	205
792	Sath Technologies Pvt. Ltd.	0	205	205
793	Sharktel Infocom Pvt. Ltd.	0	202	202
794	SHILOM NETWORK SERVICES PRIVATE LIMITED	0	202	202
795	VAIDIK NETSOL OPC PVT LTD	0	202	202
796	CLOUD8IN TECHNOLOGIES PRIVATE LIMITED	0	200	200
797	Dhadam Hospitality & Services Pvt. Ltd.	0	200	200
798	Elecon Information Technology Ltd.	0	198	198
799	VIDHI NETSOL PRIVATE LIMITED	0	195	195
800	YNET TELECOM SOLUTIONS PVT LTD	0	193	193
801	HELM CONSULTANTS PVT LTD	0	191	191
802	Texes Connect Private Limited	0	191	191

S. No.	Name of Service Provider	Narrowband	Broadband	Total
803	Netgarden Services Private Limited	0	190	190
804	Angel Air Network Solutions Pvt Ltd.	0	189	189
805	Ekowebtech IT Services Private Limited	0	189	189
806	FRIDDEN INFOWAY PVT. LTD..	0	189	189
807	Ncore Creative Technologies Pvt. Ltd (UL-ISP)	0	189	189
808	Wi5 Internet Services Pvt. Ltd.	0	189	189
809	SANTOSH CABLE NETWORK AND DATA COM Pvt. LTD	0	188	188
810	SEYFERT NETWORKS PRIVATE LIMITED	0	188	188
811	NETMANTRA BROADBAND SERVICES PRIVATE LIMITED	0	186	186
812	QUANTASOUL AIROLOGIX PVT LTD.	0	185	185
813	Optisky Fibernet Pvt. Ltd.	0	183	183
814	TVARA NETWORKS PRIVATE LIMITED	0	182	182
815	iCAN Solutions Private Limited	0	180	180
816	SWS NETWORK PRIVATE LIMITED	0	180	180
817	WORLDSKY ONLINE PRIVATE LIMITED	0	180	180
818	Data Ingenious Global Ltd	0	179	179
819	RUSH ME BROADBAND PRIVATE LIMITED	0	179	179
820	HAZE INTERNET SERVICES PRIVATE LIMITED	0	177	177
821	FIBERMAX PRIVATE LIMITED	0	176	176
822	MAHATEL GIGATAINMENT PRIVATE LIMITED	0	176	176
823	SHARMILA ENTERPRISE PRIVATE LIMITED	0	176	176
824	WAY2AIR NET SOLUTION PVT. LTD.	0	176	176
825	POLY INFORMATICS PRIVATE LIMITED	0	173	173
826	IT SPECTRUM MEDIA PVT LTD.	0	171	171
827	ACG NETWORK PRIVATE LIMITED	0	169	169
828	EXPRESSWIRE PRIVATE LIMITED	0	169	169
829	BLUE VISION CABLE NETWORK PRIVATE LIMITED	0	168	168
830	KESHVI INTERNET SERVICE PRIVATE LIMITED	0	168	168
831	Praj Network Pvt. Ltd	0	167	167
832	Airfiber IT Solutions Pvt. Ltd.	0	166	166
833	SANKRISH INFOCOM Pvt Ltd.	0	166	166
834	FZBN CONNECTIVITY AND SOLUTIONS PRIVATE LIMITED	0	164	164
835	WEBNET BROADBAND (OPC) PRIVATE LIMITED	0	164	164
836	BALAJI INFO NETWORKS SOLUTIONS PRIVATE LIMITED	0	163	163
837	HAPPY BYTES BROADBAND (OPC) PRIVATE LIMITED	0	163	163
838	Pune Teleinfra Pvt. Ltd..	0	163	163
839	SATOR SQUARE VENTURES PRIVATE LIMITED	0	163	163
840	Fibernetisp Pvt. Ltd.	0	160	160
841	KN SHLOKNET PRIVATE LIMITED	0	157	157

S. No.	Name of Service Provider	Narrowband	Broadband	Total
842	OM ISP PRIVATE LIMITED	0	157	157
843	Rapidnet Pvt. Ltd.	0	157	157
844	Viking Network Pvt. Ltd	0	157	157
845	ANS BROADBAND SERVICES PRIVATE LIMITED	0	155	155
846	MANGALA NETWORKS PRIVATE LIMITED	0	152	152
847	Noob Technologies Pvt.Ltd	0	152	152
848	WAGHESHWAR NETVISION PRIVATE LIMITED	0	151	151
849	Delix Net Solutions Pvt. Ltd	0	150	150
850	NAS INTERNET SERVICES PVT LTD	0	149	149
851	Orange Business Services India Network Pvt. Ltd.	0	146	146
852	Patil ISP Services (OPC) Pvt. Ltd.	70	76	146
853	SPEEDNET OPTICAL NETWORK Pvt Ltd.	0	145	145
854	ANANTH TELECOM SERVICES PRIVATE LIMITED	0	145	145
855	ELVACE TECHNOLOGIES PRIVATE LIMITED	0	144	144
856	Jeebr Cloud Solutions Private Limited	0	141	141
857	VPS Broadband andTelecommunications Pvt. Ltd.	0	141	141
858	Antariksh Broadband & Wireless Solution Pvt. Ltd.	0	140	140
859	Futurenet broadband and internet services pvt ltd	0	140	140
860	Teleglobal Communiocations pvt Ltd	139	0	139
861	WIRED2COMMUNICATION PRIVATE LIMITED	0	139	139
862	Achiever Communication and Services Pvt. Ltd.	0	137	137
863	Vision Hi-Speed Technology Pvt. Ltd.	0	137	137
864	SHIVAI EMPIRE PRIVATE LIMITED	0	136	136
865	Jai Mata Di Telectronix Pvt. Ltd.	0	135	135
866	Jetato Skynet Services Pvt. Ltd.	0	135	135
867	AKTEL FIBER PRIVATE LIMITED	0	134	134
868	Mahadev Telventures Pvt Ltd	0	134	134
869	SG FIBERNET PRIVATE LIMITED	0	134	134
870	NEXAEDGE INDIA Pvt Ltd.	0	132	132
871	Telstra Telecommunications Private Limited	0	132	132
872	SHIVAM WEB NETWORKS PRIVATE LIMITED	0	131	131
873	Pier Communication Pvt. Ltd	0	129	129
874	Wingsnet Internet Pvt.Ltd	0	129	129
875	CHAMPARAN TODAY NEWS NETWORK PRIVATE LIMITED	0	128	128
876	HIRO DIGITAL SOLUTIONS PRIVATE LIMITED	0	128	128
877	GauravCommunication Pvt. Ltd	0	127	127
878	Speedking Infotech Pvt. Ltd.	0	126	126
879	DFAB INTERNET SERVICES PRIVATE LIMITED	0	123	123
880	S-NET FIBER & CABLES(OPC) PRIVATE LIMITED	0	121	121

S. No.	Name of Service Provider	Narrowband	Broadband	Total
881	R3ESOLUTION Pvt Ltd.	0	120	120
882	SBDR NETWORK SOLUTIONS PRIVATE LIMITED	0	120	120
883	Shree Siddhivinayak Cable And Internet Service Provider Private Limited.	0	120	120
884	JBN Online Pvt. Ltd.	0	119	119
885	CLICKR SERVICES PRIVATE LIMITED	0	117	117
886	Saisidhivinayank Internet service private limited	0	117	117
887	AATTIZEN TELECOM PRIVATE LIMITED	0	115	115
888	Magica Networking Solutions Pvt. Ltd.	0	115	115
889	Velocity Internet India (Pvt.) India	0	115	115
890	IKRA Broadband Private Limited	0	114	114
891	Blenda Internet ServicesIndia Pvt. Ltd.	0	113	113
892	WNET TELECOM PRIVATE LIMITED	0	113	113
893	Auspice Infratel Pvt Ltd. (VNO)	0	112	112
894	Ishani Broadband Pvt Ltd	0	112	112
895	NSD Internet Private Limited	0	112	112
896	VI GLOBAL FIBERTEL PRIVATE LIMITED	0	112	112
897	Joshi Internet Services Pvt. Ltd.	0	111	111
898	LINKED NET TECHNO SERVICES PRIVATE LIMITED	0	110	110
899	PMG NETWORKS PRIVATE LIMITED	0	110	110
900	Durga Broadband Pvt. Ltd.	0	108	108
901	FIBRA NETWAY PRIVATE LIMITED	0	107	107
902	GJ2 INTERNET PRIVATE LIMITED	0	107	107
903	Neton Icom Pvt. Ltd.	0	106	106
904	GIGA NET BROADBAND (OPC) PRIVATE LIMITED	0	105	105
905	SKYNET E-SOLUTION PRIVATE LIMITED (erstwhile known as Skynet Broadband Pvt. Ltd.)	0	105	105
906	SPEEDNET INFORMEDIA PVT LTD	0	104	104
907	Thangam Communications Pvt.Ltd.	0	104	104
908	Veer Point Pvt. Ltd.	0	104	104
909	OM SAI TELECOM PRIVATE LIMITED	0	103	103
910	Rohela Broadband Network Pvt. Ltd.	0	103	103
911	ZED PLUS FIBER PRIVATE LIMITED	0	101	101
912	Precious Netcom Pvt Ltd	0	100	100
913	SDH Network Pvt. Ltd.	0	100	100
914	SHEEN TELECOM CONSULTANTS PVT LTD	0	100	100
915	FASTTECH NET PRIVATE LIMITED	0	99	99
916	Khetan Cable Network Pvt. Ltd.	0	99	99
917	Pyramid Infocom Pvt. Ltd.	99	0	99

S. No.	Name of Service Provider	Narrowband	Broadband	Total
918	Kelnet Communication services Pvt. Ltd.	0	98	98
919	BHR BROADBAND Pvt. LTD	0	97	97
920	Datawings Teleinfra Private Limited	0	97	97
921	BILAL INTERNET SERVICES PRIVATE LIMITED	0	96	96
922	BRIZZ BROADBAND PRIVATE LIMITED	0	96	96
923	RDN BROADBAND SERVICE PVT LTD	0	95	95
924	Siddhballi Infotech Pvt. Ltd.	0	94	94
925	Jasnet Networks Pvt. Ltd.	0	92	92
926	V NETCARE PRIVATE LIMITED	0	92	92
927	DAMAN I NET (OPC) PRIVATE LIMITED	0	91	91
928	GIGANETWORK INFO PRIVATE LIMITED	0	90	90
929	GSDN COMMUNICATION PRIVATE LIMITED	0	90	90
930	Maxit Infocom Pvt. Ltd	0	90	90
931	SNS Internet Services Pvt. Ltd. (VNO)	0	90	90
932	ALANDI CITY NETWORKS PRIVATE LIMITED	0	88	88
933	DREAMCABLES AND INTERNET SERVICES PRIVATE LIMITED	0	88	88
934	Gaxiom Networking Solutions Private Limited	0	88	88
935	IOEACCESS COMMUNICATIONS PVT LTD	0	88	88
936	MICRONOVA TELE SYSTEMS PRIVATE LTD.	0	88	88
937	Jetsys Telelink OPC Pvt Ltd	0	87	87
938	SHRIKSHETRA NETWORKS PRIVATE LIMITED	0	87	87
939	Vishwamani Solutions Pvt Ltd	0	87	87
940	Kutch Telelink Pvt. Ltd.	0	86	86
941	nwt internet services private limited	0	86	86
942	PATHCOM COMMUNICATIONS PRIVATE LIMITED	0	86	86
943	Atma Malik 1313 Internet Services Pvt. Ltd.	0	85	85
944	DHUNI NETSOL PRIVATE LIMITED	0	85	85
945	ASHOKA NETSOL PVT LTD	0	84	84
946	Euron Communication Pvt. Ltd.	0	83	83
947	KARAD-D-INFRA GIGA NET PRIVATE LIMITED	0	83	83
948	SEVENNET BROADBAND SERVICES PRIVATE LIMITED	0	83	83
949	Ziptel IT Solutions Pvt. Ltd.	0	83	83
950	MUNNURU INFRANET OPC PRIVATE LIMITED	0	82	82
951	NENCY CABLE PVT LTD	0	81	81
952	GAYATRI TELECOM PVT LTD	0	80	80
953	GENX BROADBAND SERVICES PRIVATE LIMITED	0	80	80
954	JLR NETWORKS PRIVATE LIMITED	0	79	79
955	Speednet Enterprises (OPC) Pvt. Ltd.	0	79	79

S. No.	Name of Service Provider	Narrowband	Broadband	Total
956	ECON TELECOMMUNICATIONS PRIVATE LIMITED	0	77	77
957	ZENITH BROADBAND SERVICES PRIVATE LIMITED	0	77	77
958	Aircables Internet Services Pvt. Ltd.	0	76	76
959	DY VELOCITY BROADBAND SERVICE PRIVATE LIMITED	0	75	75
960	Ekdant Communication Pvt. Ltd.	0	75	75
961	NETTVOX PVT LTD	0	75	75
962	ACHARE BROADBAND (OPC) PRIVATE LIMITED	0	73	73
963	Blueline ISP Pvt. Ltd	0	73	73
964	Inspireit Network Solutions Pvt. Ltd.	0	73	73
965	Abis BadlapurNetwork Pvt. Ltd.	0	72	72
966	Omkar Net Services Pvt. Ltd.	0	72	72
967	SAQUIB COMPUTERS (OPC) PRIVATE LIMITED	0	72	72
968	SHERAWAT INFOTECH PRIVATE LIMITED	0	72	72
969	LECTO TECH BROADBAND PRIVATE LIMITED	0	71	71
970	ITech Hive Pvt. Ltd.	0	70	70
971	Netlife Network Pvt. Ltd..	0	70	70
972	Tamana Winet Pvt. Ltd.	0	70	70
973	DURGA WI-FI(OPC) PRIVATE LIMITED	0	69	69
974	Sanavi Infotech (OPC) Pvt. Ltd.	33	36	69
975	Denet Connect Services Pvt Ltd	0	68	68
976	Suryasspeed Network Pvt Ltd	0	68	68
977	Amity Hua Electronics Pvt. Ltd.	0	67	67
978	Heramb T-10 Network Pvt. Ltd..	0	67	67
979	Comtel Services Pvt. Ltd.	0	66	66
980	G-Max IT Services Pvt. Ltd.	0	66	66
981	SHREEB NETWORK PVT LTD	0	66	66
982	LINKAGE INFOTECH PRIVATE LIMITED	0	65	65
983	Nextech Broadband Pvt.Ltd	0	65	65
984	JETONE FIBER PRIVATE LIMITED	0	64	64
985	WINUX COMMUNICATIONS PVT LTD	0	64	64
986	BRIGHTNET INTERNET SOLUTIONS (OPC) PRIVATE LIMITED	0	63	63
987	DIRECT NET7 PRIVATE LIMITED	0	63	63
988	DNET E SOLUTIONS PVT LTD.	0	61	61
989	GURU NETCOM PVT. LTD.	0	61	61
990	U-FIBER BROADBAND PRIVATE LIMITED	61	0	61
991	ABUNETCONNECT INTERNET SERVICES PRIVATE LIMITED	0	60	60
992	AGILE NETLINK PRIVATE LIMITED	0	60	60

S. No.	Name of Service Provider	Narrowband	Broadband	Total
993	JM INTERNET AND BROADBAND SERVICES PRIVATE LIMITED	0	60	60
994	Kim Broadband Services Pvt. Ltd.	0	60	60
995	NAS Broadband Pvt. Ltd	0	60	60
996	MAXWEB MULTIMEDIA PRIVATE LIMITED	0	59	59
997	Malachandra Infotech Private Limited (Earlier known as MALACHANDRA BROADBAND SERVICES Pvt Ltd)	0	58	58
998	GENIUS NETWORK PRIVATE LIMITED	0	57	57
999	GURBADEVI NETWORK SERVICES PRIVATE LIMITED	0	57	57
1000	S.G.I.C. SERVICES Pvt Ltd.	0	57	57
1001	PAWAN BROADBAND INDIA PVT LTD	0	56	56
1002	VIBELINK INFOTECH PRIVATE LIMITED	0	56	56
1003	Froze Communications Pvt. Ltd.	0	55	55
1004	Ezeenet Internet Solutions Pvt. Ltd.	0	54	54
1005	FutureNet Telecom Private Limited	54	0	54
1006	VANSI BROADBAND PVT LTD	0	54	54
1007	Ansh Net Sol Pvt. Ltd	0	53	53
1008	DENSIS ONLINE Pvt. LTD	0	53	53
1009	FASUTONETTO SERVICES PRIVATE LIMITED	0	53	53
1010	NR IT Service Pvt. Ltd.	0	53	53
1011	Play Bunch Entertainment Pvt Ltd	0	53	53
1012	Hansin IT Services Private Limited	0	52	52
1013	JM OPTICAL FIBER SOLUTIONS PRIVATE LIMITED	0	52	52
1014	PLAYERNET TECHNOLOGIES PRIVATE LIMITED	0	52	52
1015	STATENET WIFI OPC PRIVATE LIMITED	0	52	52
1016	Stromnet Broadband ServicesPrivate Limited	0	52	52
1017	Tiruppur Broadwave Pvt. Ltd.	0	52	52
1018	GUJNET INFRALINK PRIVATE LIMITED	0	51	51
1019	TREELINK NETWORK PVT LTD	0	51	51
1020	PMG NETWORKS Pvt Ltd.	0	50	50
1021	SHETKARI BROADBAND PRIVATE LIMITED	0	50	50
1022	CREATICK BROADBAND PRIVATE LIMITED	0	49	49
1023	NEO AISHWARYA TECHNOLOGY PRIVATE LIMITED	0	49	49
1024	A M Broadband Pvt.Ltd	0	47	47
1025	AIR24 NETWORK(OPC) PVT LTD	0	47	47
1026	DEMOTIC TECHNOLOGIES PRIVATE LIMITED	0	47	47
1027	Fiberlink Communication Pvt. Ltd	0	47	47
1028	OS VENTURES PRIVATE LIMITED	0	47	47
1029	ZITA TELECOM PRIVATE LIMITED	0	47	47

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1030	BHARATH FIBER NETWORK PVT LTD	0	46	46
1031	Brisanjay Internet Services Pvt Ltd	0	46	46
1032	Samruddhi Communication Pvt. Ltd.	0	46	46
1033	Ajay Cable & Broadband Service OPC Pvt. Ltd	0	45	45
1034	Creative BroadbandServices Pvt. Ltd	0	45	45
1035	Kadne Networks Private Limited	0	45	45
1036	MARUTI INTERACTIVE NETWORK PRIVATE LIMITED	0	44	44
1037	EASTERN SERVICES NETWORK PRIVATE LIMITED	0	43	43
1038	Gigalo Communication Pvt Ltd	0	43	43
1039	RISING INTERNET PRIVATE LIMITED	0	43	43
1040	INTRO TELECOM Pvt Ltd.	0	42	42
1041	NASHIK SOFTCALL PRIVATE LIMITED	0	42	42
1042	UNM BROADBAND SERVICE PRIVATE LIMITED	0	42	42
1043	ANODIC TELENETWORK PVT LTD	0	41	41
1044	BALAJI NETPOINT SERVICES PRIVATE LIMITED	0	40	40
1045	Fastx Broadband Pvt. Ltd.	0	40	40
1046	OCTEL INFONET PRIVATE LIMITED	0	40	40
1047	SHREE BALAJI WIFI PVT LTD	0	40	40
1048	SYS NETMAGIC PVT.LTD	40	0	40
1049	Jmohit Cable Vision Pvt. Ltd.	0	39	39
1050	KP INFRATEL NETWORK (OPC) PRIVATE LIMITED	0	39	39
1051	SASH BROADBAND PRIVATE LIMITED	0	39	39
1052	SB LINK INFOSERVE PRIVATE LIMITED	0	38	38
1053	NR Data Service Pvt Ltd.	0	37	37
1054	ONREMOTE TELECOM PRIVATE LIMITED	0	36	36
1055	Priveka Web Services Pvt. Ltd.	0	36	36
1056	R.P. World Telecom Pvt. Ltd.	0	36	36
1057	Speedobits Internet Private Limited	0	36	36
1058	Elyzium Globenet Pvt. Ltd.	0	35	35
1059	EZNET INDIA PRIVATE LIMITED	0	35	35
1060	KHETAN TELECOMMUNICATIONS PRIVATE LIMITED	0	35	35
1061	Speed WiFi Pvt. Ltd.	0	35	35
1062	AIT Internet Services Pvt. Ltd.	0	34	34
1063	JETAIR NET PRIVATE LIMITED	0	34	34
1064	KAROMA BROADBAND SERVICE PRIVATE LIMITED	0	34	34
1065	Unified Voice Communication Pvt. Ltd.	0	33	33
1066	AXOMNET BROADBAND Pvt. LTD.	0	32	32
1067	Plusnet Communications Pvt. Ltd.	0	32	32
1068	DRONAGIRI INFOTECH PVT LTD	0	31	31

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1069	Auspice Infratel Pvt. Ltd. (UL-ISP)	0	30	30
1070	BUDANTA NETWORKS PRIVATE LIMITED	0	30	30
1071	KB DIGITAL NETWORK Pvt Ltd.	0	30	30
1072	KORD BROADBAND SERVICES PRIVATE LIMITED	0	30	30
1073	Osronet Infotech Pvt.Ltd	0	30	30
1074	SHRAVI COMMUNICATION PVT LTD	0	30	30
1075	ST BROADBAND CABLE SERVICE PRIVATE LIMITED	0	30	30
1076	VIVA Communications Pvt Ltd	0	30	30
1077	Doonbroadband Pvt. Ltd.	0	29	29
1078	Streamax Broadband Services Pvt. Ltd	0	29	29
1079	AlmaFiber Net Private Limited	0	28	28
1080	KUNAL SPEEDNET SOLUTIONS Pvt. LTD	0	28	28
1081	Skynet Zone Wifi Services (P) Ltd.	0	28	28
1082	SPACE INTERNET PRIVATE LIMITED	0	27	27
1083	CABLECOM NETWORK PRIVATE LIMITED	0	26	26
1084	JARIMARI PRIVATE LIMITED	0	26	26
1085	FURIOUSPEED PRIVATE LIMITED	0	25	25
1086	K-ANANDRAJ INET SOLUTIONS PRIVATE LIMITED	0	25	25
1087	LEGACY INFOWAY PRIVATE LIMITED	0	25	25
1088	Lukestar Infotainment Pvt Ltd	0	25	25
1089	NETVIGATOR BROADBAND PVT LTD	0	25	25
1090	S T BROADBAND CABLE SERVICE Pvt Ltd.	0	25	25
1091	Sudhana Telecommunication Pvt Ltd.	0	25	25
1092	TIKKA BROADBAND PRIVATE LIMITED	0	25	25
1093	WEB WERKS INTERNET SERVICES PRIVATE LIMITED	0	25	25
1094	AVD INFOCOM PRIVATE LIMITED	0	24	24
1095	Edge Telecommunications Pvt. Ltd.	0	24	24
1096	GPX India Services Pvt. Ltd.	0	24	24
1097	MRKR COMMUNICATIONS PRIVATE LIMITED	0	24	24
1098	Saagars Channel Pvt. Ltd.	0	23	23
1099	smart city broadband network solution pvt ltd	0	23	23
1100	BHAVARTH INTERNET SERVICES PRIVATE LIMITED	0	22	22
1101	LIVE FIBERNET SERVICE PRIVATE LIMITED	0	22	22
1102	NP-GOLDNET PRIVATE LIMITED	0	21	21
1103	SPEEDNET247 SOLUTIONS PRIVATE LIMITED	0	21	21
1104	AMIGOS BROADBAND PRIVATE LIMITED	0	20	20
1105	JKM DIGITAL SERVICES (OPC) PVT LTD	0	20	20
1106	MULTILINK BROADBAND PRIVATE LIMITED	0	20	20
1107	Praveen Telecom Pvt. Ltd.	0	20	20

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1108	Radiant NetworkTechnologies Pvt. Ltd.	0	20	20
1109	TOPTUS BROADBAND SERVICES PRIVATE LIMITED	0	20	20
1110	Chaitali Communications (OPC) Pvt.Ltd	0	19	19
1111	ITRANSZ FTTX PRIVATE LIMITED	0	19	19
1112	SAMVAD TELECOM	17	2	19
1113	Aerocast Networks Pvt Ltd.	0	18	18
1114	Hienet Internet Services Pvt. Ltd.	0	18	18
1115	OMNET SMARTLINK SERVICES PRIVATE LIMITED	0	18	18
1116	Rita Infocom Pvt. Ltd.	0	18	18
1117	Ultrawave Internet Access Pvt. Ltd.	0	18	18
1118	FUTURE INTERNET PRIVATE LIMITED	0	17	17
1119	Nelco Ltd.	9	8	17
1120	NETVEN TECHNOLOGIES PRIVATE LIMITED	0	17	17
1121	10G TELECOM PVT LTD	0	16	16
1122	DIGITAL OXYGEN PRIVATE LIMITED	0	16	16
1123	WESTERNEDGE TELECOMMUNICATIONS PRIVATE LIMITED	0	16	16
1124	HSB INTERNET (OPC) PRIVATE LIMITED	0	15	15
1125	MPR INFONET SYSTEMS PRIVATE LIMITED	0	15	15
1126	PMG Networks Pvt. Ltd.	0	15	15
1127	SPEEDPULSE DIGITAL NETWORK PRIVATE LIMITED	0	14	14
1128	NC BROADBAND SERVICES PRIVATE LIMITED	0	13	13
1129	Satzilio Telecom Pvt. Ltd.	0	13	13
1130	V-CON Mobile & Infra private limited	0	13	13
1131	Jet Netcom Broadband Pvt. Ltd.	0	12	12
1132	KONARK CABLE SYSTEM OPC PRIVATE LIMITED	0	12	12
1133	NETZ SHREERAM SOLUTION PRIVATE LIMITED	0	12	12
1134	RAPIDE NEXT PRIVATE LIMITED	0	11	11
1135	SSV JASS BROADBAND PRIVATE LIMITED	0	11	11
1136	WAY 2 INTERNET Pvt Ltd.	0	11	11
1137	GREEN WEB SOFTWARE DEVELOPMENT PRIVATE LIMITED	0	10	10
1138	NETLAYER INDIA PRIVATE LIMITED	0	10	10
1139	Onepipe Telecom Pvt. Ltd	10	0	10
1140	Passcom System and Services Pvt. Ltd.	0	10	10
1141	SMARTCITY BROADBAND NETWORK SOLUTIONS PRIVATE LIMITED	0	10	10
1142	TELESECURE COMMUNICATIONS PRIVATE LIMITED	0	10	10
1143	Upnet Communications Pvt. Ltd.	0	10	10

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1144	Winet Infratel Pvt. Ltd.	5	5	10
1145	Ceralink Communication Pvt Ltd	9	0	9
1146	FYLFOT INTERNET SERVICES PRIVATE LIMITED	0	9	9
1147	J.R.SUPERTECH (OPC) PRIVATE LIMITED	0	9	9
1148	AMITEL INDIA PVT LTD	0	8	8
1149	BYTRIX COMMUNICATION PRIVATE LIMITED	0	8	8
1150	CELESTIAL LINK PRIVATE LIMITED	0	8	8
1151	GOLCON TECHNOLOGIES PRIVATE LIMITED	0	8	8
1152	WONDER NETSOL PRIVATE LIMITED	0	8	8
1153	YOTTA NETWORK SERVICES PRIVATE LIMITED	0	8	8
1154	ABNSERVICES PVT LTD	0	7	7
1155	INFINITYLINK COMMUNICATION PRIVATE LIMITED	0	7	7
1156	NARAYANEE INFOTECH PRIVATE LIMITED	0	7	7
1157	SKYFALL VOICE COMMUNICATIONSPRIVATE LIMITED	0	7	7
1158	BRAVISHMAH INFOTECH PRIVATE LIMITED	0	6	6
1159	L & T NETWORK SERVICES PRIVATE LIMITED	0	6	6
1160	MALAYALAM CABLE VISION PRIVATE LIMITED	0	6	6
1161	Mesh Infranet Pvt. Ltd.	0	6	6
1162	TRICHY INTERNET SERVICES PRIVATE LIMITED	0	6	6
1163	METICULOUS NETWORKS PRIVATE LIMITED	0	5	5
1164	MILAN MULTISERVICES PRIVATE LIMITED	0	5	5
1165	NETSPEEDIO NETWORK AND TECHNOLOGIES PRIVATE LIMITED	0	5	5
1166	NEXTLEVEL BROADBAND PRIVATE LIMITED	0	5	5
1167	QUICKNET COMMUNICATIONS PRIVATE LIMITED	0	5	5
1168	Saraswati Internet Solution Pvt Ltd	0	5	5
1169	VIFIBEE SOLUTION (OPC) PRIVATE LIMITED	0	5	5
1170	WAYAR NETWORK PRIVATE LIMITED	0	5	5
1171	Fibmesh IN Limited	0	4	4
1172	Hybrid Hash Pvt. Ltd.	0	4	4
1173	Kartik Network Pvt. Ltd.	2	2	4
1174	Mount Edge Digital Services Pvt Ltd	0	4	4
1175	POWERNET TELECOM PRIVATE LIMITED (UL-ISP)	0	4	4
1176	DISHAWAVES INFOTECH PRIVATE LIMITED	0	3	3
1177	HELLO NETWORK SERVICE Pvt Ltd.	0	3	3
1178	Netzy Internet Services Pvt. Ltd	0	3	3
1179	SAMAIRA INFOTECH Pvt Ltd.	0	3	3
1180	SOFTNET NETWORK PVT LTD	0	3	3
1181	SUMERRU INFOTECH PRIVATE LIMITED	0	3	3

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1182	A TO Z INFOLINK PVT. LTD.	0	2	2
1183	Airlink Communications Pvt. Ltd.	0	2	2
1184	Airnat IT Solutions Pvt. Ltd.	0	2	2
1185	Cloudcast Digital Ltd.	0	2	2
1186	GARUDA ADVERTISING PRIVATE LIMITED	0	2	2
1187	HARMONY INTERNET PRIVATE LIMITED	0	2	2
1188	Isyan Communication Pvt. Ltd	0	2	2
1189	RED FIBER TELECOM PRIVATE LIMITED	0	2	2
1190	Sabse Internet Service Provider Pvt. Ltd.	0	2	2
1191	SHREEOM INFOTEL PRIVATE LIMITED	0	2	2
1192	SHYAM DATA & VOICE SERVICES PVT LTD	0	2	2
1193	Smartware Technologies Pvt. Ltd.	0	2	2
1194	VIRTEL COMMUNICATIONS PRIVATE LIMITED	0	2	2
1195	WEBLINK SYSTEMS PRIVATE LIMITED	0	2	2
1196	WIRETEL INTRANET SYSTEMS PRIVATE LIMITED	0	2	2
1197	ALLCONNECT OPTICS NETWORK PRIVATE LIMITED	0	1	1
1198	B PRIMO INTERNET SERVICES PVT LTD	0	1	1
1199	BHUMITAT ISP PRIVATE LIMITED	0	1	1
1200	COMPTECH INFORMATIC PRIVATE LIMITED	0	1	1
1201	ESTO MEDIA PRIVATE LIMITED	0	1	1
1202	FLYTEL NETWORK PRIVATE LIMITED	0	1	1
1203	HYBRID INTERNET PRIVATE LIMITED	0	1	1
1204	Infonet Accurate Appz India Pvt. Ltd.	0	1	1
1205	MINDAGE BROADCASTING Pvt. LTD	0	1	1
1206	MYNEXT BROADBAND SERVICES PRIVATE LIMITED	0	1	1
1207	Nuozen Telecom Pvt. Ltd.	0	1	1
1208	Perfect Internet Pvt. Ltd	1	0	1
1209	TRIPLE FAST NET PRIVATE LIMITED	0	1	1
1210	VERIZONE BROADBAND SERVICES PRIVATE LIMITED	0	1	1
	Total	25200294	944962437	970162731
	Total (in million)	25.200	944.962	970.163

**As per data reported in November' 2024*

*The information is compiled based on the reports being received from the Internet Service Providers

Annexure 1.6: State/UT-wise Public Wi-Fi Hotspots as on 31.12.2024

S.No.	State/UT	Number of Public Wi-Fi Hotspots	Number of Access Points	Number of unique Wi-Fi Users	Aggregate Data Consumed (TB) during the Quarter (Oct-Dec, 24)
1	Andhra Pradesh	2296	5477	329498	735
2	Arunachal Pradesh	478	1008	1041	8
3	Assam	779	1707	134519	446
4	Bihar	1977	5000	859407	2196
5	Chattisgarh	803	2293	117005	311
6	Goa	147	527	13635	35
7	Gujarat	2894	10413	251648	707
8	Haryana	1081	1909	125807	264
9	Himachal Pradesh	862	1497	11450	25
10	Jharkhand	526	1470	284908	769
11	Karnataka	3219	13414	176890	429
12	Kerala	3562	7777	487081	804
13	Madhya Pradesh	3440	6674	322048	644
14	Maharashtra incl. Mumbai	5296	24806	1516133	1829
15	Manipur	74	252	122	27
16	Meghalaya	172	478	2200	53
17	Mizoram	31	105	448	5
18	Nagaland	84	268	6485	13
19	Odisha	1117	2519	220658	642
20	Punjab	1676	3714	72139	183
21	Rajasthan	2592	7951	245395	572
22	Sikkim	47	334	1634	15
23	Tamil Nadu incl. Chennai	2056	8331	280172	622
24	Telangana	3713	12502	163372	318
25	Tripura	283	402	19285	86
26	Uttar Pradesh (UPE+UPW)	3280	7343	801728	1960
27	Uttarakhand	423	1333	41342	122
28	West Bengal incl. Kolkata	2074	10373	819510	1521
Union Territories					0
29	Andaman & Nicobar Islands	43	116	277	25
30	Chandigarh	88	761	4349	11
31	Dadar & Nagar Haweli & Daman & Diu	0	0	0	1
32	Delhi	630	10255	143608	274
33	Jammu & Kashmir	1112	2824	20317	56
34	Ladakh	1	1	9	0
35	Lakshdweep	0	0	0	0
36	Puduchery	22	39	1160	3
Total		46878	153873	7475280	15714

**Annexure 1.7: List of Service Providers which reported
IP Telephony Minutes for Q.E. December-24**

S. No.	Name of Service Providers reported IP Telephony Minutes
1	Alliance Broadband Services Pvt. Ltd.
2	Novanet Ltd.
3	Viva Communications Pvt. Ltd.
4	Welco Infotech Pvt. Ltd.
5	Shyam Spectra 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	Skyfall Voice Communications Pvt. Ltd.
12	Warmconnect Internet Services Pvt. Ltd.
13	Reticule Infotech Pvt. Ltd.
14	UNIFIED VOICE COMMUNICATION PVT LTD
15	Vitelglobal Communications Pvt Ltd.
16	EURUS NETWORK SERVICES PRIVATE LIMITED
17	Easytel Communications Pvt Ltd
18	Sense Connect IT Pvt. Ltd.
19	PROVOIP PRIVATE LIMITED

Annexure 1.8: Service Area wise PMRTS subscriber Base

S.No.	DOT Licensed Service Area	Area Served	Service Provider	Subscriber Base	
				30.09.2024	31.12.2024
	Andhra Pradesh	Hyderabad	Array		1,158
1			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2,480	2,540
			QuickCall	1,178	-
		Visakhapatnam	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4,004	4,000
		Total	7,662	7,698	
2	Delhi	Delhi	Array		3,576
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6,416	6,338
			Procall Ltd.	3,676	-
				Total	10,092
3	Gujarat	Ahmedabad	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,184	1,205
		Amrela	Inative Networks Pvt. Ltd.	-	-
		Bharuch	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,767	1,780
			Inative Networks Pvt. Ltd.	-	-
		Dahej	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,982	2,084
		Jamnagar	Inative Networks Pvt. Ltd.	360	360
		Kutch	Inative Networks Pvt. Ltd.	205	205
		Surat	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2,173	2,191
			Inative Networks Pvt. Ltd.	895	895
		Vadodara	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,800	1,772
			Inative Networks Pvt. Ltd.	360	360
				Total	10,726
4	Karnataka	Bangalore	Array		471
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7,299	7,016
			QuickCall	475	-
				Total	7,774
5	Kerala	Ernakulam	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,132	1,132
		Kerala	Wiwanet Solutions Pvt. Ltd	1,146	1,146
				Total	2,278
6	Kolkata	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,558	1,596
7	Madhya Pradesh	Indore	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,887	1,975
8	Maharashtra	Khandala	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	541	533
		Pune	Array		506
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1,536	1,467
			Smartalk Pvt Ltd.	525	-
				Total	2,602
9	Mumbai	Mumbai	Airtalk Solutions & Services Pvt. Ltd.	1,400	1,550
			Array		1,845
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	9,237	9,360
			Bhilwara Telenet Services Pvt.Ltd.	891	
			Smartalk Pvt Ltd.	952	
				Total	12,480
10	Rajasthan	Jaipur	Array		393
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	940	953
			Procall Ltd.	393	
				Total	1,333
11	Tamil Nadu	Chennai	Array		354
			Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7,295	7,235
			QuickCall	379	
				Total	7,674
Grand Total				66,066	65,996

**Annexure 2.1: Wireless Revenue Service - Service Area wise Statistics for
QE Dec, 2024**

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	92.49%	213	10	496	491	987
Gujarat	91.73%	191	13	421	415	836
Karnataka	87.04%	208	12	492	486	978
MH	93.58%	205	12	441	438	879
TN (incl. Chennai)	89.16%	210	8	456	456	912

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	88.18%	159	7	444	446	890
Kerala	95.14%	196	5	355	361	717
MP	93.44%	169	13	479	479	959
Punjab	93.18%	189	7	434	431	866
Rajasthan	95.14%	182	10	489	496	985
UP(E)	95.95%	153	11	611	623	1233
UP(W)	95.60%	166	9	506	513	1019
WB	97.59%	173	13	550	558	1108

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	94.63%	184	25	580	590	1170
Bihar	95.08%	161	11	649	676	1324
HP	96.63%	197	9	512	512	1024
J&K	37.07%	210	20	624	605	1229
NE	96.82%	201	26	532	542	1074
Odisha	94.23%	172	17	591	604	1194

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	92.00%	139	9	446	439	885
Delhi	75.84%	162	8	482	452	934
Mumbai	78.25%	167	8	439	409	848

Annexure 4.1: Performance of QoS parameters for access service (wireless)

S No	Service Provider	LSA	Network Availability				Voice Connection Establishment (Accessibility)			Voice Connection Maintenance (Retainability)				Broadband Service	
			Availability of service wise geospatial coverage map on service provider's website for percentage of working cells	Cumulative downtime (Cells not available for service)	Worst Affected Cells due to downtime	Percentage of significant network outage (services not available in a district for more than 4 hours) reported to the Authority within 24 hrs of start of the outage	Call Set-up Success Rate: Intra- Service provider (within service provider's network)	Call Set-up Success Rate: Inter- Service provider (incoming from other service providers' network)	Point of Interconnection (POI) Congestion (90th percentile value)	DCR Spatial Distribution Measure for Circuit Switched (2G/3G) network [CS_QSD (88, 88)]	DCR Spatial Distribution Measure for Packet Switched (4G/5G and beyond) network [PS_QSD (92, 92)]	Downlink Packet Drop Rate for Packet Switched Network (4G/5G and beyond) [DLPDR_QSD (88, 88)]	Uplink Packet Drop Rate for Packet Switched Network (4G/5G and beyond) [ULPDR_QSD (88, 88)]	Latency (in 4G and 5G network)	Packet Drop Rate (in 4G and 5G network)
			≥ 99%	≤ 2%	≤ 2%	100%	≥ 98%	≥ 95%	≤ 0.5%	≤ 2%	≤ 2%	≤ 2%	≤ 2%	≤ 75 msec	≤ 3%
1	AIRTEL	AP	NA	0.21	0.90	100.00	99.70	98.81	0.00	1.37	0.98	1.41	3.76	24.00	2.38
2	BSNL	AP	NA	0.69	1.42	100.00	98.59	98.05	0.00	1.54	1.79	0.23	0.59	28.01	0.22
3	RJIL	AP	NA	0.07	0.21	100.00	99.73	99.71	0.00	NA	0.31	0.00	1.14	28.00	0.00
4	VIL	AP	NA	0.21	1.04	100.00	99.82	98.33	0.00	1.90	0.94	0.44	1.39	35.03	1.34
5	AIRTEL	AS	NA	0.24	1.38	100.00	99.63	98.54	0.00	1.02	1.11	1.38	1.50	39.50	1.54
6	BSNL	AS	NA	1.96	1.87	100.00	98.14	98.14	0.00	1.63	0.39	0.54	0.05	70.00	1.44
7	RJIL	AS	NA	0.16	0.61	100.00	99.69	99.81	0.00	NA	0.59	0.00	1.73	16.50	0.00
8	VIL	AS	NA	1.90	2.87	100.00	99.75	99.15	0.00	1.96	2.10	0.24	0.35	49.00	0.00
9	AIRTEL	BR	NA	0.29	1.51	100.00	99.60	98.75	0.00	1.58	1.82	0.84	2.18	40.00	0.30
10	BSNL	BR	NA	1.95	1.99	100.00	98.46	96.75	0.00	1.56	1.09	0.26	1.28	51.00	0.95
11	RJIL	BR	NA	0.09	0.33	100.00	99.63	99.68	0.00	NA	0.46	0.00	1.75	26.00	0.00
12	VIL	BR	NA	0.17	1.92	100.00	99.69	98.44	0.00	1.82	1.56	0.38	0.65	36.00	1.12
13	AIRTEL	DL	NA	0.24	1.18	100.00	99.54	98.98	0.00	1.84	0.88	1.71	1.89	21.00	1.21
14	MTNL	DL	NA	0.06	0.74	100.00	95.86	97.87	0.13	1.12	NA	NA	NA	NA	NA
15	RJIL	DL	NA	0.11	0.26	100.00	99.69	99.70	0.00	NA	0.31	0.00	0.54	13.00	0.00
16	VIL	DL	NA	0.10	0.32	100.00	99.68	99.77	0.00	1.75	1.39	0.35	0.98	21.41	1.40
17	AIRTEL	GJ	NA	0.13	0.58	100.00	99.72	99.21	0.00	2.17	0.49	0.66	1.33	44.00	1.00
18	BSNL	GJ	NA	0.36	1.50	100.00	98.22	99.96	0.00	1.20	1.28	0.29	0.72	50.00	1.16
19	RJIL	GJ	NA	0.14	0.31	100.00	99.76	99.74	0.00	NA	0.25	0.00	0.79	19.00	0.00
20	VIL	GJ	NA	0.09	0.30	100.00	99.97	99.11	0.00	1.95	1.69	0.75	1.28	27.00	0.00
21	AIRTEL	HP	NA	0.12	0.46	100.00	99.63	99.27	0.00	1.20	1.21	2.62	2.15	20.50	1.11
22	BSNL	HP	NA	1.52	1.73	100.00	99.96	100.00	0.00	1.47	1.17	0.00	0.00	68.00	1.91
23	RJIL	HP	NA	0.08	0.27	100.00	99.61	99.69	0.00	NA	0.26	0.00	1.31	29.00	0.00
24	VIL	HP	NA	0.23	0.60	100.00	100.00	99.87	0.00	1.98	1.35	0.34	0.44	38.00	1.00
25	AIRTEL	HR	NA	0.15	0.89	100.00	99.60	98.86	0.00	1.09	1.32	0.76	4.80	17.80	0.44
26	BSNL	HR	NA	0.53	1.83	100.00	98.46	95.85	0.00	1.63	0.29	1.06	1.29	25.00	1.18
27	RJIL	HR	NA	0.09	0.22	100.00	99.68	99.72	0.00	NA	0.39	0.00	0.72	27.00	0.00
28	VIL	HR	NA	0.19	0.96	100.00	99.95	99.22	0.00	1.98	1.85	0.43	0.64	26.00	1.00
29	AIRTEL	JK	NA	0.22	1.00	100.00	99.62	99.13	0.00	0.87	0.64	1.17	1.02	28.00	2.02
30	BSNL	JK	NA	1.15	0.73	100.00	100.00	100.00	0.00	1.47	0.00	0.02	0.14	71.10	1.21
31	RJIL	JK	NA	0.13	0.63	100.00	99.71	99.65	0.00	NA	0.21	0.00	0.48	18.00	0.00
32	VIL	JK	NA	0.35	1.62	100.00	100.00	99.80	0.00	1.98	1.72	0.78	0.57	46.50	0.00
33	AIRTEL	KOL	NA	0.09	0.33	100.00	99.74	99.23	0.00	0.83	0.84	1.15	4.77	27.00	1.13
34	BSNL	KOL	NA	0.70	1.89	100.00	98.34	97.08	0.00	1.43	0.00	0.01	0.04	33.00	0.45
35	RJIL	KOL	NA	0.00	0.00	100.00	99.78	99.76	0.00	NA	0.16	0.00	0.40	16.00	0.00
36	VIL	KOL	NA	0.06	0.20	100.00	99.90	99.71	0.00	1.87	1.22	0.31	0.81	42.33	1.00
37	AIRTEL	KR	NA	0.08	0.16	100.00	99.70	99.54	0.00	1.43	0.65	0.54	2.20	31.00	0.50
38	BSNL	KR	NA	0.21	1.48	100.00	99.60	96.95	0.00	0.78	0.22	0.14	0.49	37.83	0.00
39	RJIL	KR	NA	0.04	0.14	100.00	99.71	99.81	0.00	NA	0.28	0.00	0.60	17.00	0.00
40	VIL	KR	NA	0.04	0.16	100.00	99.92	99.30	0.00	0.60	0.51	0.18	1.38	57.50	1.42

Annexure 4.1 (Contd.)

41	AIRTEL	KT	NA	0.18	0.89	100.00	99.66	98.81	0.00	0.57	0.43	0.36	1.07	47.50	2.84
42	BSNL	KT	NA	1.14	1.09	100.00	98.35	95.18	0.00	1.39	1.52	0.20	0.44	0.35	0.29
43	RJIL	KT	NA	0.09	0.29	100.00	99.72	99.77	0.00	NA	0.37	0.00	0.84	22.50	0.00
44	VIL	KT	NA	0.17	0.70	100.00	99.84	98.30	0.00	1.82	0.38	0.25	0.77	27.67	1.72
45	AIRTEL	MH	NA	0.38	1.39	100.00	99.66	99.01	0.00	1.75	0.97	0.60	1.15	32.50	0.65
46	BSNL	MH	NA	0.71	1.68	100.00	98.12	97.16	0.00	1.91	1.16	0.27	0.31	53.00	0.50
47	RJIL	MH	NA	0.18	0.68	100.00	99.70	99.14	0.00	NA	0.36	0.00	0.95	38.00	0.00
48	VIL	MH	NA	0.27	1.25	100.00	99.99	98.76	0.00	1.82	1.61	0.64	0.72	25.00	0.00
49	AIRTEL	MP	NA	0.16	0.41	100.00	99.66	98.88	0.00	2.44	1.18	0.71	2.41	41.00	0.19
50	BSNL	MP	NA	0.62	0.64	100.00	98.90	97.75	0.00	1.79	1.77	0.50	1.63	68.78	1.80
51	RJIL	MP	NA	0.12	0.35	100.00	99.64	98.50	0.00	NA	0.45	0.00	0.97	29.00	0.00
52	VIL	MP	NA	0.18	0.77	100.00	99.66	99.20	0.00	1.85	1.45	1.09	1.44	31.85	0.00
53	AIRTEL	MUM	NA	0.16	0.52	100.00	99.63	98.26	0.00	1.75	1.11	1.13	0.77	73.00	1.07
54	MTNL	MUM	NA	0.28	1.50	100.00	98.37	97.13	0.00	1.75	NA	NA	NA	NA	NA
55	RJIL	MUM	NA	0.10	0.25	100.00	99.74	99.71	0.00	NA	0.19	0.00	0.60	16.00	0.00
56	VIL	MUM	NA	0.10	0.13	100.00	99.91	99.68	0.00	1.97	1.59	0.85	1.23	20.50	0.00
57	AIRTEL	NE	NA	0.26	1.51	100.00	99.69	98.68	0.00	1.56	1.66	2.34	1.19	38.00	1.25
58	BSNL	NE	NA	2.76	2.00	100.00	98.59	96.12	0.00	1.96	0.92	1.96	1.22	64.00	0.23
59	RJIL	NE	NA	0.77	1.55	100.00	99.64	99.83	0.00	NA	0.73	0.00	1.06	18.00	0.00
60	VIL	NE	NA	1.82	2.57	100.00	99.72	99.24	0.00	1.93	2.09	0.41	0.45	47.00	0.00
61	AIRTEL	OR	NA	0.27	1.59	100.00	99.63	98.86	0.00	1.33	2.13	1.48	3.24	28.00	0.80
62	BSNL	OR	NA	0.27	1.97	100.00	98.36	98.36	0.00	1.91	1.82	1.33	1.71	28.47	1.02
63	RJIL	OR	NA	0.15	0.60	100.00	99.67	99.76	0.00	NA	0.40	0.00	0.71	37.00	0.00
64	VIL	OR	NA	0.64	1.03	100.00	99.92	99.32	0.00	1.45	0.54	0.17	0.33	40.00	0.00
65	AIRTEL	PB	NA	0.13	0.38	100.00	99.69	99.30	0.00	1.46	1.18	0.58	3.83	20.25	2.85
66	BSNL	PB	NA	0.35	1.25	100.00	99.96	99.99	0.00	1.72	1.75	0.01	0.05	59.87	0.36
67	RJIL	PB	NA	0.08	0.22	100.00	99.74	99.71	0.00	NA	0.12	0.00	0.84	28.00	0.00
68	VIL	PB	NA	0.10	0.42	100.00	99.86	98.59	0.00	0.28	0.54	0.39	0.63	39.00	2.00
69	AIRTEL	RJ	NA	0.25	1.11	100.00	99.55	97.76	0.00	1.48	1.14	0.89	0.89	26.25	2.41
70	BSNL	RJ	NA	0.58	1.91	100.00	99.90	99.99	0.00	1.19	NA	NA	NA	NA	NA
71	RJIL	RJ	NA	0.09	0.34	100.00	99.71	99.53	0.00	NA	0.35	0.85	0.94	29.00	0.00
72	VIL	RJ	NA	0.26	1.33	100.00	99.76	98.58	0.00	1.96	1.54	0.39	1.05	29.50	1.00
73	AIRTEL	TN	NA	0.05	0.08	100.00	99.68	98.19	0.00	1.41	0.74	1.16	2.91	30.00	2.32
74	BSNL	TN	NA	0.61	1.57	100.00	98.14	99.75	0.00	1.82	NA	NA	NA	NA	NA
75	RJIL	TN	NA	0.17	0.52	100.00	99.77	99.74	0.00	NA	0.31	0.00	1.08	14.00	0.00
76	VIL	TN	NA	0.32	1.52	100.00	99.78	98.80	0.00	1.97	1.25	0.19	0.38	37.50	1.04
77	AIRTEL	UPE	NA	0.24	1.16	100.00	99.45	98.97	0.00	1.40	1.75	1.50	3.43	28.50	1.81
78	BSNL	UPE	NA	1.15	0.73	100.00	99.95	99.36	0.02	1.28	1.69	0.02	0.14	62.00	0.62
79	RJIL	UPE	NA	0.14	0.62	100.00	99.69	99.53	0.00	NA	0.46	0.00	1.55	29.00	0.00
80	VIL	UPE	NA	0.27	1.33	100.00	99.89	98.63	0.00	1.96	1.85	0.57	1.52	32.55	1.17
81	AIRTEL	UPW	NA	0.20	0.91	100.00	99.61	99.29	0.00	0.72	1.10	0.46	0.93	48.00	1.29
82	BSNL	UPW	NA	1.03	1.68	100.00	98.81	100.00	0.00	1.59	1.60	0.01	0.02	59.00	0.02
83	RJIL	UPW	NA	0.08	0.27	100.00	99.71	99.59	0.00	NA	0.38	0.00	1.94	24.00	0.00
84	VIL	UPW	NA	0.13	0.50	100.00	99.89	98.75	0.00	1.87	1.96	0.43	0.95	28.50	0.00
85	AIRTEL	WB	NA	0.20	0.99	100.00	99.62	99.19	0.00	1.72	1.19	1.30	5.07	40.50	1.37
86	BSNL	WB	NA	1.87	2.71	100.00	98.42	70.50	0.00	1.59	0.94	1.10	1.67	69.40	1.31
87	RJIL	WB	NA	0.06	0.16	100.00	99.71	99.77	0.00	NA	0.50	0.00	2.05	29.00	0.00
88	VIL	WB	NA	0.21	0.96	100.00	99.77	99.00	0.00	1.85	1.92	0.42	1.30	40.50	1.00

Annexure 4.2 : Performance of QoS Parameters for access service (wireline)

S. No.	TSP Code	LSA Code	Service Provisioning	Fault Repair				Point of Interconnection	Customer Service						
			Provision of a service within 7 working days of payment of demand note by the customer	Fault incidences (No. of faults per 100 subscribers)	Fault repair by next working day	Fault repair within three working days	Mean Time to Repair (MTTR)	Point of Interconnection (POI) Congestion (90th percentile value)	Billing and charging complaints	Resolution of billing/ charging complaints within four weeks	Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or rectification of significant network outage, as applicable	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	Termination/ closure of service within seven working days of receipt of customer's request	Refund of deposits within 45 days of closure of service or non-provisioning of service
		Benchmark	≥ 98%	≤ 5	≥ 85%	≥ 99%	≤ 10 hrs	≤ 0.5%	≤ 0.1%	100%	100%	≥ 95%	≥ 95%	100%	100%
1	AIRTEL	AP	98.85	0.25	86.42	99.44	8.94	0.00	0.02	100.00	100.00	100.00	98.62	100.00	100.00
2	APSFL	AP	NA	0.22	97.09	100.00	2.51	0.00	0.00	NA	100.00	97.73	98.91	NA	NA
3	BSNL	AP	100.00	0.78	97.21	100.00	6.69	0.00	1.39	99.65	100.00	94.07	91.28	100.00	100.00
4	RJIL	AP	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.26	98.96	100.00	100.00
5	TTSL	AP	100.00	13.82	86.02	99.41	4.99	0.00	0.00	NA	100.00	98.47	99.83	100.00	100.00
6	AIRTEL	AS	98.84	0.44	86.82	100.00	6.87	0.00	0.03	100.00	100.00	100.00	98.36	100.00	100.00
7	BSNL	AS	100.00	0.91	89.65	99.66	3.77	0.00	0.22	100.00	100.00	98.47	98.07	100.00	100.00
8	RJIL	AS	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.56	99.29	100.00	100.00
9	AIRTEL	BR	99.09	0.34	88.92	99.15	8.35	0.00	0.05	100.00	100.00	100.00	98.69	100.00	100.00
10	BSNL	BR	100.00	0.40	95.26	100.00	3.63	0.00	0.72	100.00	100.00	98.19	97.88	100.00	89.27
11	RJIL	BR	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.09	98.39	100.00	100.00
12	TTSL	BR	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	100.00	100.00	NA	NA
13	AIRTEL	DL	99.21	0.81	85.06	99.55	1.25	0.00	0.01	100.00	100.00	100.00	98.72	100.00	100.00
14	MTNL	DL	99.15	2.13	90.69	99.76	3.56	0.00	0.01	100.00	100.00	100.00	99.32	100.00	100.00
15	RJIL	DL	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.80	97.80	100.00	100.00
16	TTSL	DL	NA	15.49	95.59	99.32	3.52	0.01	0.05	100.00	100.00	99.34	100.00	100.00	100.00
17	AIRTEL	GJ	98.46	0.35	92.57	99.34	4.86	0.00	0.01	100.00	100.00	100.00	99.11	100.00	100.00
18	BSNL	GJ	100.00	1.54	95.51	100.00	4.14	0.00	0.00	100.00	100.00	97.75	97.02	100.00	100.00
19	RJIL	GJ	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.04	98.32	100.00	100.00
20	TTSL	GJ	100.00	2.85	81.37	97.52	4.91	0.01	0.01	100.00	100.00	100.00	98.56	100.00	100.00
21	AIRTEL	HP	98.56	0.78	88.79	100.00	5.95	0.00	0.05	100.00	100.00	100.00	98.75	100.00	100.00
22	BSNL	HP	100.00	0.32	97.65	99.61	6.00	0.00	0.40	100.00	100.00	99.16	98.97	100.00	100.00
23	RJIL	HP	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.33	98.66	100.00	100.00
24	AIRTEL	HR	99.20	0.40	85.94	99.73	8.77	0.00	0.03	100.00	100.00	100.00	98.73	100.00	100.00
25	BSNL	HR	99.66	0.28	91.89	100.00	5.11	0.00	0.02	100.00	100.00	99.20	99.00	100.00	100.00
26	RJIL	HR	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.31	98.60	100.00	100.00
27	TTSL	HR	NA	0.00	NA	NA	NA	0.29	0.00	NA	100.00	100.00	100.00	100.00	NA
28	AIRTEL	JK	99.12	0.27	87.86	99.71	8.75	0.00	0.05	100.00	100.00	100.00	98.63	100.00	100.00
29	BSNL	JK	99.17	1.72	97.19	100.00	4.58	0.00	0.63	100.00	100.00	99.14	99.07	100.00	100.00
30	RJIL	JK	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.74	98.56	100.00	100.00
31	AIRTEL	KOL	98.13	0.41	85.93	99.77	9.05	0.00	0.01	100.00	100.00	100.00	98.49	100.00	100.00
32	BSNL	KOL	100.00	2.77	95.37	100.00	8.22	0.00	0.84	100.00	100.00	98.82	98.78	100.00	100.00
33	RJIL	KOL	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.57	98.78	100.00	100.00
34	TTSL	KOL	NA	2.04	98.72	98.72	2.89	0.00	0.00	NA	100.00	97.83	98.90	100.00	NA
35	AIRTEL	KR	98.26	0.66	85.82	99.24	3.49	0.00	0.01	100.00	100.00	100.00	96.94	100.00	100.00

Annexure 4.2 (Contd.)

36	BSNL	KR	99.39	0.61	92.44	100.00	7.38	0.00	0.16	100.00	100.00	94.34	90.79	100.00	90.17
37	RJIL	KR	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.83	98.35	100.00	100.00
38	TTSL	KR	NA	0.00	NA	NA	NA	0.01	0.00	NA	100.00	NA	NA	NA	NA
39	AIRTEL	KT	98.64	0.13	86.21	99.77	9.34	0.00	0.01	100.00	100.00	100.00	98.53	100.00	100.00
40	BSNL	KT	100.00	1.51	97.12	99.97	7.17	0.00	0.54	100.00	100.00	86.88	77.14	100.00	100.00
41	RJIL	KT	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.49	99.23	100.00	100.00
42	TTSL	KT	NA	1.61	91.18	100.00	3.87	0.00	0.01	100.00	100.00	97.62	98.09	100.00	100.00
43	AIRTEL	MH	98.93	0.43	89.92	99.21	4.96	0.00	0.03	100.00	100.00	100.00	98.97	100.00	100.00
44	BSNL	MH	100.00	1.40	92.01	100.00	5.80	0.00	0.03	100.00	100.00	97.73	97.18	100.00	100.00
45	RJIL	MH	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.95	98.90	100.00	100.00
46	TTML	MH	100.00	6.45	96.16	99.32	3.09	0.00	0.01	100.00	100.00	98.41	98.92	100.00	100.00
47	AIRTEL	MP	98.50	0.63	87.31	100.00	8.55	0.00	0.02	100.00	100.00	100.00	98.95	100.00	100.00
48	BSNL	MP	98.99	0.52	95.15	99.61	5.94	0.00	1.40	100.00	100.00	97.63	96.89	100.00	100.00
49	RJIL	MP	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.74	98.37	100.00	100.00
50	TTSL	MP	NA	0.63	66.67	100.00	6.80	0.00	0.00	NA	100.00	100.00	100.00	NA	NA
51	AIRTEL	MUM	98.36	0.25	92.40	99.44	4.96	0.00	0.01	100.00	100.00	100.00	99.08	100.00	100.00
52	MTNL	MUM	84.68	2.59	47.40	55.50	217.39	0.00	0.04	100.00	100.00	99.96	98.90	99.05	85.75
53	RJIL	MUM	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.50	98.75	100.00	100.00
54	TTML	MUM	100.00	12.67	90.55	99.12	4.96	0.01	0.01	100.00	100.00	98.37	99.00	100.00	100.00
55	AIRTEL	NE	NA	NA	NA	NA	NA	NA	0.06	100.00	100.00	100.00	98.15	100.00	100.00
56	BSNL	NE	100.00	0.69	95.83	100.00	4.49	0.00	0.00	NA	100.00	97.99	97.49	100.00	34.01
57	RJIL	NE	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.81	98.84	100.00	100.00
58	AIRTEL	OR	98.79	0.34	86.81	100.00	8.56	0.00	0.03	100.00	100.00	100.00	98.46	100.00	100.00
59	BSNL	OR	100.00	0.82	91.81	99.80	6.75	0.00	0.33	100.00	100.00	98.40	98.18	100.00	100.00
60	RJIL	OR	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.86	98.31	100.00	100.00
61	TTSL	OR	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	NA	NA	NA	NA
62	AIRTEL	PB	98.85	0.68	86.13	99.59	9.56	0.00	0.02	100.00	100.00	100.00	99.02	100.00	100.00
63	BSNL	PB	100.00	0.20	94.38	100.00	8.26	0.00	0.00	NA	100.00	99.01	98.84	100.00	100.00
64	QTL	PB	100.00	0.14	88.10	99.20	9.59	0.00	0.00	100.00	4.00	98.53	99.44	100.00	NA
65	RJIL	PB	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.33	98.50	100.00	100.00
66	STPL	PB	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	NA	NA	100.00	NA
67	TTSL	PB	NA	1.64	100.00	100.00	0.40	0.00	0.00	NA	100.00	NA	NA	100.00	NA
68	AIRTEL	RJ	99.22	0.37	85.90	99.32	6.20	0.00	0.03	100.00	100.00	100.00	99.07	100.00	100.00
69	BSNL	RJ	100.00	0.59	93.06	100.00	5.53	0.00	0.10	100.00	100.00	98.61	98.31	100.00	100.00
70	RJIL	RJ	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.28	98.47	100.00	100.00
71	TTSL	RJ	NA	2.88	100.00	100.00	2.07	0.01	0.00	NA	100.00	NA	NA	100.00	NA
72	AIRTEL	TN	98.15	0.35	87.83	99.24	3.57	0.00	0.02	100.00	100.00	100.00	98.52	100.00	100.00
73	BSNL	TN	100.00	0.58	91.51	99.87	7.04	0.00	0.85	99.27	90.14	95.99	92.59	100.00	99.34
74	RJIL	TN	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.48	98.14	100.00	100.00
75	TTSL	TN	NA	0.59	85.19	100.00	5.26	0.00	0.04	100.00	100.00	97.83	97.79	100.00	NA
76	AIRTEL	UPE	99.48	0.65	85.14	99.70	8.88	0.00	0.04	100.00	100.00	100.00	98.91	100.00	100.00
77	BSNL	UPE	99.55	1.15	87.54	100.00	6.73	0.00	0.07	100.00	100.00	99.15	98.78	100.00	100.00
78	RJIL	UPE	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	97.13	98.48	100.00	100.00
79	TTSL	UPE	NA	2.29	100.00	100.00	0.86	0.00	0.00	NA	100.00	100.00	100.00	NA	NA
80	AIRTEL	UPW	98.84	0.63	86.22	99.63	8.54	0.00	0.04	100.00	100.00	100.00	98.64	100.00	100.00
81	BSNL	UPW	100.00	0.96	95.03	100.00	6.74	0.00	0.17	100.00	100.00	98.60	98.40	100.00	100.00
82	RJIL	UPW	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.87	98.54	100.00	100.00
83	TTSL	UPW	NA	0.00	NA	NA	NA	0.01	0.00	NA	100.00	100.00	100.00	NA	NA
84	AIRTEL	WB	98.39	0.35	87.50	99.65	7.54	0.00	0.04	100.00	100.00	100.00	98.65	100.00	100.00
85	BSNL	WB	100.00	0.36	93.56	100.00	2.89	0.00	0.03	100.00	100.00	98.80	98.68	100.00	100.00
86	RJIL	WB	NA	0.00	NA	NA	NA	0.00	0.00	NA	100.00	96.77	99.30	100.00	100.00

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

S No	Service Provider	Service area code	Service Provisioning	Broadband Service Performance				Fault Repair			Customer Service						
			Provision of a service within 7 working days of payment of demand note by the customer	Latency	Packet Drop Rate	Maximum Bandwidth utilization of any Customer serving node to ISP Gateway Node [Intra-network] or Internet Exchange Point Link(s)	Jitter	Fault Incidences (No. of faults per 100 subscribers)	Fault repair by next working day	Fault repair within three working days	Billing and charging complaints	Resolution of billing/ charging complaints within four weeks	Application of adjustment to customer's account within one week from the date of resolution of billing and charging complaints or rectification of faults or network outage, as	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	Termination/ closure of service within seven working days of receipt of customer's request	Refund of deposits within 45 days of closure of service or non provisioning of service
	Benchmark		≥ 98%	≤ 50 msec	≤ 1%	≤ 80%	≤ 40ms	≤ 5	≥ 85%	≥ 99%	≤ 0.1%	100%	100%	≥ 95%	≥ 95%	100%	100%
1	ADN Broadband Pvt. Ltd.	DL	100.00	10.00	0.01	67.00	1.00	1.21	100.00	100.00	0.00	NA	100.00	97.93	100.00	100.00	NA
2	Aerpace Communications Pvt. Ltd.	MH	100.00	10.00	0.00	0.00	1.32	0.04	0.00	100.00	0.00	NA	0.00	100.00	NA	100.00	NA
3	Aerpace Communications Pvt. Ltd.	MUM	100.00	10.00	0.00	0.00	1.34	0.02	100.00	100.00	0.00	NA	0.00	100.00	NA	100.00	NA
4	Airfiber Networks Pvt. Ltd.	KT	100.00	23.00	0.50	66.75	23.00	4.82	69.90	69.97	0.15	100.00	100.00	100.00	91.00	100.00	100.00
5	Airfiber Networks Pvt. Ltd.	TN	100.00	22.00	0.50	62.99	22.00	11.57	85.89	85.90	0.23	100.00	100.00	100.00	91.00	100.00	100.00
6	Airnet Cable and Datacom Pvt. Ltd.	MH	NA	1.95	0.23	45.00	2.77	0.52	98.50	100.00	0.00	NA	100.00	100.00	98.80	NA	NA
7	Airnet Cable and Datacom Pvt. Ltd.	MUM	NA	1.95	0.26	39.00	1.81	0.41	95.96	100.00	0.00	NA	100.00	100.00	97.44	NA	NA
8	Alliance Broadband Services Pvt. Ltd.	AI	100.00	10.00	0.10	67.00	30.00	2.32	94.00	100.00	0.00	NA	100.00	100.00	95.01	NA	NA
9	Andhra Pradesh State Fiber Net Limited	AP	NA	36.00	0.49	71.59	34.00	1.65	88.00	100.00	0.00	100.00	100.00	96.16	95.60	100.00	NA
10	Angel Air Network Solutions Pvt. Ltd.	HR	100.00	15.00	0.00	65.00	27.00	2.29	100.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	NA
11	Angel Air Network Solutions Pvt. Ltd.	PB	100.00	15.00	0.00	65.00	27.00	0.17	100.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	NA
12	Angel Air Network Solutions Pvt. Ltd.	RJ	100.00	15.00	0.00	65.00	27.00	1.02	100.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	NA
13	Anonet Communications Pvt. Ltd (formerly ANI Broadband Services Pvt.Ltd.)	AI	100.00	20.00	0.00	72.00	1.20	1.41	97.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
14	Antariksh Softtech Pvt. Ltd.	MH	100.00	5.00	0.00	75.00	20.00	13.84	89.00	99.10	179.14	100.00	100.00	100.00	96.66	100.00	100.00
15	Antariksh Softtech Pvt. Ltd.	MUM	100.00	5.00	0.00	75.00	20.00	14.93	90.00	97.14	129.46	100.00	100.00	97.38	100.00	100.00	100.00
16	Apple Broadband Services Pvt. Ltd.	AP	100.00	1.00	0.00	50.00	2.00	1.66	75.00	100.00	0.01	100.00	0.00	95.38	100.00	NA	NA
17	Asianet Satellite Communications Ltd.	AI	98.78	45.00	0.75	75.00	35.00	1.54	88.00	99.07	0.10	100.00	100.00	95.35	95.73	100.00	NA
18	AT Broadband Pvt. Ltd.	TN	NA	10.00	0.90	80.00	20.00	16.14	90.00	100.00	816.24	100.00	100.00	100.00	100.00	0.00	100.00
19	Atria Convergence Technologies Ltd.	AI	98.85	10.88	0.03	35.00	0.19	4.12	85.01	99.74	0.58	100.00	75.00	97.93	78.27	100.00	99.19
20	Bharat Sanchar Nigam Ltd.	AI	99.75	15.33	0.30	70.00	11.00	0.77	94.23	99.76	NA	NA	NA	NA	NA	NA	NA
21	Bharti Airtel Ltd.	AI	98.82	22.00	0.00	28.00	56.00	4.82	85.46	99.08	NA	NA	NA	NA	NA	NA	NA
22	Bluelotus Support Services Pvt.Ltd. (formerly Limras Eronet Broadband Service Pvt Ltd)	AI	99.87	22.00	0.01	80.00	40.00	0.07	98.00	99.95	0.02	100.00	100.00	99.81	97.34	100.00	0.00
23	Candor Infosolution Pvt. Ltd.	BR	NA	18.00	0.10	70.00	1.00	1.45	100.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
24	Candor Infosolution Pvt. Ltd.	DL	NA	5.00	0.00	80.00	1.00	1.15	100.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
25	Candor Infosolution Pvt. Ltd.	HR	NA	10.00	0.00	40.00	1.00	0.89	100.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA

Annexure 4.3 (Contd.)

26	City Online Services Ltd	AP	100.00	15.00	0.10	60.00	5.00	0.04	99.00	100.00	0.02	100.00	100.00	99.33	99.14	100.00	100.00
27	City Online Services Ltd	KT	100.00	15.00	0.10	60.00	5.00	0.08	99.00	100.00	0.00	NA	100.00	99.78	99.21	100.00	100.00
28	D-ATUM Vilcom Pvt. Ltd.	AI	100.00	45.00	0.50	75.00	35.00	1.95	100.00	100.00	0.00	NA	100.00	96.48	100.00	100.00	100.00
29	DEN Broadband Limited	AI	100.00	35.00	0.10	70.00	30.00	4.53	95.94	99.84	0.00	NA	100.00	100.00	97.03	NA	NA
30	Deshkal Network Pvt. Ltd.	KT	100.00	1.00	0.00	75.00	25.00	8.77	85.00	99.94	0.03	100.00	100.00	95.84	95.20	100.00	82.51
31	Digital Network Associates Pvt. Ltd.	MH	98.12	4.00	0.90	80.00	1.00	1.66	91.34	99.22	0.01	100.00	100.00	100.00	100.00	100.00	100.00
32	DL GTPL Broadband Pvt. Ltd.	GJ	100.00	8.00	0.00	65.00	6.00	1.62	94.00	100.00	0.00	NA	100.00	98.53	98.51	NA	NA
33	DL GTPL Broadband Pvt. Ltd.	MH	100.00	15.00	0.00	60.00	10.00	1.54	94.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
34	DNA Infotel Pvt Ltd	MH	98.08	5.00	0.90	80.00	1.00	1.66	91.78	99.47	0.00	100.00	100.00	100.00	100.00	100.00	100.00
35	ESTO BROADBAND Pvt. Ltd.	AI	100.00	10.00	0.00	60.00	20.00	1.57	100.00	100.00	0.00	NA	NA	100.00	100.00	100.00	NA
36	Ethernet Xpress(I) Pvt. Ltd.	MH	NA	10.00	0.00	75.00	5.00	4.35	87.00	99.88	0.03	100.00	100.00	99.40	99.81	100.00	NA
37	Excell Media Pvt. Ltd.	AP	100.00	2.00	0.50	57.01	1.00	4.98	94.34	100.00	0.00	NA	100.00	100.00	97.65	100.00	100.00
38	Excitel Broadband Private Limited	AI	98.92	1.00	0.00	78.00	1.00	4.97	95.80	99.27	0.00	NA	100.00	95.82	97.95	NA	NA
39	Extranet Supports Pvt. Ltd. (earlier Dwan Supports Pvt. Ltd.)	AI	NA	20.00	0.30	76.00	1.00	0.35	95.00	99.22	0.00	100.00	100.00	98.74	96.00	100.00	100.00
40	Fibervalley Communications Pvt. Ltd.	GJ	98.82	20.00	0.41	50.00	4.00	0.68	99.00	99.16	0.00	NA	0.00	95.05	NA	NA	NA
41	Five Internet Solutions Pvt. Ltd.	HR	100.00	12.00	0.00	72.00	1.00	1.61	98.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	100.00
42	Five Internet Solutions Pvt. Ltd.	PB	99.33	10.00	0.00	77.00	1.00	1.51	92.00	99.74	0.00	NA	100.00	100.00	99.69	100.00	100.00
43	Five Net Service Provider Pvt. Ltd.	MP	100.00	18.00	0.00	79.00	1.00	1.58	92.00	99.34	0.00	NA	100.00	99.66	98.04	100.00	100.00
44	Five Network Solution (India) Ltd.	AI	100.00	3.00	0.25	43.00	1.40	2.28	91.81	99.75	0.00	NA	100.00	96.15	100.00	100.00	NA
45	Fusionnet Web Services Pvt. Ltd.	AI	98.89	4.00	0.00	56.32	2.00	0.67	99.19	99.19	0.06	100.00	0.00	98.20	100.00	99.90	100.00
46	Gazon Communications India Limited	MH	NA	50.00	1.00	50.00	30.00	1.65	86.00	100.00	0.01	100.00	100.00	98.45	98.83	100.00	NA
47	Genstar Network Solutions Pvt. Ltd.	MUM	NA	40.00	0.00	75.00	40.00	0.58	98.00	99.08	0.00	NA	0.00	95.09	95.38	NA	NA
48	GTPL Broadband Pvt. Ltd.	AI	98.58	29.00	0.05	76.00	9.00	4.83	87.00	99.70	0.00	NA	100.00	100.00	95.91	NA	NA
49	GTPL KCBPL Broadband Private Limited	KOL	NA	25.00	0.00	76.00	10.00	1.13	99.00	100.00	3.38	100.00	0.00	96.87	97.28	NA	NA
50	GTPL KCBPL Broadband Private Limited	OR	NA	25.00	0.00	75.00	10.00	1.14	99.18	100.00	0.31	100.00	0.00	96.84	96.74	NA	NA
51	GTPL KCBPL Broadband Private Limited	WB	NA	25.00	0.00	73.00	10.00	0.46	97.40	100.00	1.30	100.00	0.00	97.65	98.13	NA	NA
52	Hathway Cable & Datacom Pvt. Ltd.	AI	98.24	10.00	0.80	77.90	10.00	4.17	87.00	100.00	0.04	100.00	100.00	100.00	96.37	NA	NA
53	Honeycomb Telnet Private Limited	AI	100.00	5.00	0.00	75.00	20.00	26.09	99.00	99.04	205.64	100.00	100.00	97.19	95.68	100.00	100.00
54	HYOSEC Solutions Pvt. Ltd.	AI	100.00	20.00	0.30	50.00	10.00	0.13	100.00	100.00	0.08	100.00	0.00	95.41	100.00	NA	NA
55	Indinet Service Pvt. Ltd	AI	NA	1.00	0.00	63.00	2.53	2.70	87.23	98.74	0.00	NA	100.00	100.00	100.00	NA	NA
56	Infocus Networks Pvt. Ltd.	MUM	NA	50.00	1.00	60.00	25.00	4.12	86.00	100.00	0.05	100.00	100.00	100.00	96.68	100.00	NA
57	Instanet Technologies Pvt. Ltd.	MH	100.00	5.00	0.50	75.00	10.00	11.70	98.20	100.00	0.10	100.00	100.00	96.67	95.03	NA	NA
58	Intech Online Pvt. Ltd.	MH	NA	8.00	0.00	50.00	6.00	2.67	91.91	99.86	0.08	100.00	100.00	96.31	99.74	100.00	100.00
59	Intech Online Pvt. Ltd.	MUM	NA	1.00	0.00	50.00	1.00	4.97	98.19	99.77	0.01	100.00	100.00	96.96	99.71	100.00	100.00
60	Ishan Netsol Pvt Ltd	AI	100.00	10.00	1.00	60.00	30.00	4.91	86.00	99.06	0.01	100.00	100.00	NA	NA	NA	NA

Annexure 4.3 (Contd.)

61	Juweriyah Networks Private Limited	MH	100.00	10.00	0.00	55.00	10.00	0.01	100.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	NA
62	Juweriyah Networks Private Limited	MUM	100.00	10.00	0.00	55.00	10.00	0.01	100.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	100.00
63	K NET Solutions Private Limited	TN	99.30	1.00	0.00	80.00	1.00	25.17	92.09	97.53	0.01	100.00	100.00	80.89	96.72	98.53	100.00
64	Kerala Vision Broad Band Ltd.	AI	98.56	10.00	1.00	80.00	20.00	1.08	88.78	99.02	0.08	100.00	100.00	99.37	97.56	100.00	NA
65	Kings Broadband Pvt. Ltd	AI	100.00	30.00	0.10	73.00	10.00	1.16	90.00	100.00	0.05	100.00	100.00	97.88	98.02	100.00	100.00
66	Mahanagar Telephone Nigam Ltd.	AI	31.15	3.36	0.00	63.50	1.89	1.03	68.40	57.47	2.45	100.00	100.00	99.97	98.91	92.27	86.44
67	Meghbela Cable & Broadband Services (P) Ltd	AI	99.91	5.00	0.10	74.00	5.00	4.96	95.00	99.43	0.02	100.00	100.00	95.68	96.33	100.00	100.00
68	Microscan Infocommtech Private Limited	MH	100.00	3.00	0.25	62.00	1.63	1.20	94.00	99.66	0.00	NA	100.00	95.86	100.00	100.00	NA
69	Microscan Infocommtech Private Limited	MUM	100.00	3.00	0.37	43.00	1.14	4.96	87.00	99.67	0.00	NA	100.00	95.58	100.00	100.00	NA
70	Multicraft Digital Technologies Private Limited	AI	100.00	39.00	0.34	68.70	0.00	0.82	99.37	99.41	0.00	NA	100.00	96.36	95.35	100.00	100.00
71	Navkar Supertech Pvt. Ltd.	MH	NA	50.00	1.00	65.00	15.00	0.57	90.00	100.00	0.00	NA	1.00	100.00	99.26	NA	NA
72	Net 9 Fibernet Pvt. Ltd. (formerly Net 9 Online Hathway Pvt. Ltd.)	MUM	100.00	35.00	0.80	78.00	35.00	4.11	99.26	100.00	0.09	100.00	100.00	100.00	100.00	NA	NA
73	Netplus Broadband Services Pvt. Ltd	AI	100.00	33.42	0.01	72.90	2.08	1.38	98.00	99.58	0.06	100.00	100.00	96.92	95.52	100.00	100.00
74	Nuron Networks India Pvt. Ltd.	KT	100.00	0.00	0.10	78.00	0.00	1.97	91.25	99.38	0.00	NA	100.00	95.26	100.00	NA	100.00
75	ONEOTT ENTERTAINMENT LTD	AI	100.00	50.00	1.00	80.00	40.00	1.08	87.00	99.12	0.00	NA	100.00	98.36	99.31	100.00	100.00
76	Pacenet Meghbela Broadband Pvt. Ltd.	KOL	100.00	5.00	0.10	74.00	5.00	4.55	95.00	99.77	0.02	100.00	100.00	95.60	99.07	100.00	100.00
77	Paradise Telecom Pvt. Ltd.	MH	100.00	10.00	0.50	75.00	5.00	0.89	99.00	99.67	0.01	100.00	100.00	97.92	100.00	100.00	100.00
78	Pioneer Elabs Limited	AI	99.74	2.00	0.00	61.20	1.00	3.52	92.70	99.04	0.10	100.00	100.00	95.56	96.00	100.00	100.00
79	Quadrant Televentures Ltd.	PB	99.96	16.00	0.00	75.00	8.00	1.14	97.50	99.60	0.04	100.00	100.00	97.14	98.09	100.00	100.00
80	Quest Consultancy Pvt. Ltd.	GJ	100.00	27.00	0.00	75.00	25.00	3.34	99.00	100.00	0.03	100.00	100.00	99.62	100.00	100.00	100.00
81	R.G. Technosolutions Pvt. Ltd.	UPE	100.00	25.00	0.50	80.00	20.00	0.95	90.00	100.00	0.00	NA	100.00	100.00	NA	100.00	100.00
82	Radinet Info Solutions Pvt Ltd	MP	100.00	38.00	0.01	65.00	20.00	1.17	100.00	100.00	0.00	NA	100.00	98.18	100.00	100.00	100.00
83	Radinet Info Solutions Pvt Ltd	MH	100.00	38.00	0.01	68.00	20.00	0.96	100.00	100.00	0.00	NA	100.00	97.20	100.00	100.00	100.00
84	Radinet Info Solutions Pvt Ltd	RJ	100.00	20.00	0.01	72.00	10.00	1.52	100.00	100.00	0.00	100.00	100.00	98.20	100.00	100.00	100.00
85	Radinet Info Solutions Pvt Ltd	UPW	100.00	35.00	0.01	63.00	25.00	1.08	100.00	100.00	0.00	NA	100.00	97.08	100.00	100.00	100.00
86	RailTel Corporation of India Ltd.	AI	NA	1.00	1.00	37.77	1.00	0.00	4.00	100.00	9.39	99.59	100.00	100.00	100.00	99.18	NA
87	Rajesh Digital & Datacom Pvt. Ltd.	MUM	100.00	47.00	0.50	76.00	39.00	13.85	90.00	99.95	0.00	NA	0.00	98.63	100.00	NA	NA
88	Readylink Internet Services Limited	TN	NA	8.00	0.00	60.00	4.00	4.93	99.00	100.00	0.00	NA	100.00	100.00	96.96	100.00	100.00
89	Reliance Jio Infocomm Ltd	AI	99.68	8.84	0.00	26.11	1.75	2.32	97.98	99.89	NA	NA	NA	NA	NA	NA	NA
90	Ri Networks Pvt Ltd	AI	98.25	10.00	0.10	70.00	30.00	0.32	90.00	99.23	0.04	100.00	100.00	98.50	96.00	NA	NA
91	SDH Network Pvt. Ltd.	DL	33.33	45.00	1.00	75.00	35.00	0.00	100.00	NA	0.00	NA	0.00	NA	NA	NA	NA
92	Shree Omkar Infocom Pvt. Ltd.	MH	100.00	1.00	0.01	75.00	1.00	1.12	98.00	100.00	0.00	NA	100.00	100.00	96.47	100.00	100.00
93	Shyam Spectra Private Limited	AI	100.00	2.00	0.01	28.30	5.81	9.08	92.33	99.04	0.07	100.00	100.00	100.00	96.90	100.00	100.00
94	Sikka Broadband(P) Ltd.	UPE	100.00	10.00	0.10	79.00	8.00	64.86	91.00	99.27	0.00	NA	100.00	100.00	98.70	NA	NA
95	Siliguri Internet & Cable TV Pvt. Ltd.	WB	100.00	20.00	1.00	75.00	35.00	4.03	85.00	100.00	0.00	NA	100.00	96.31	100.00	100.00	100.00
96	SITI Broadband Services Pvt. Ltd.	AI	NA	14.00	0.00	0.78	28.00	1.63	90.30	99.40	0.00	NA	100.00	95.93	99.71	100.00	100.00
97	Snet Networks Pvt. Ltd.	MUM	100.00	50.00	1.00	76.00	30.00	4.97	86.00	100.00	0.00	NA	100.00	99.21	100.00	100.00	100.00
98	Specific Net Pvt. Ltd	MH	NA	12.00	0.95	2.00	2.00	0.24	99.00	100.00	0.00	NA	100.00	100.00	100.00	100.00	100.00
99	Spiderlink Networks Pvt. Ltd.	RJ	100.00	30.00	0.00	75.00	30.00	4.13	93.00	99.03	0.00	NA	100.00	98.41	96.17	NA	100.00
100	Sri Sai Communication And Internet Pvt.Ltd.	AI	100.00	40.00	0.01	70.00	30.00	0.22	100.00	100.00	0.01	100.00	100.00	98.66	100.00	100.00	NA

Annexure 4.3 (Contd.)

101	Sristi Sanchar Webnet Limited	KOL	NA	10.00	0.00	70.00	30.00	1.63	91.00	100.00	0.00	NA	100.00	100.00	95.15	NA	NA
102	Tachyon Communications Private Limited	UPE	NA	9.00	0.00	58.12	35.00	0.64	98.00	100.00	0.00	NA	100.00	98.15	100.00	100.00	100.00
103	Tata Play Broadband Private Limited (formerly Tata Sky Broadband Pvt.Ltd.)	AI	100.00	50.00	1.00	80.00	40.00	1.54	94.00	99.11	0.00	NA	100.00	99.98	97.42	NA	NA
104	Tata Teleservices Limited	AP	100.00	19.05	0.44	27.40	3.54	3.81	83.57	98.12	NA	NA	NA	NA	NA	NA	NA
105	Tata Teleservices Limited	BR	NA	39.00	0.01	29.45	0.99	66.67	100.00	100.00	NA	NA	NA	NA	NA	NA	NA
106	Tata Teleservices Limited	DL	94.50	21.60	0.01	26.60	0.87	11.33	85.49	97.16	NA	NA	NA	NA	NA	NA	NA
107	Tata Teleservices Limited	GJ	100.00	6.00	0.10	29.45	0.86	17.17	86.06	99.13	NA	NA	NA	NA	NA	NA	NA
108	Tata Teleservices Limited	KT	100.00	2.71	0.00	28.60	3.44	10.74	78.15	98.52	NA	NA	NA	NA	NA	NA	NA
109	Tata Teleservices Limited	KOL	NA	38.40	0.65	29.45	9.78	14.81	91.67	100.00	NA	NA	NA	NA	NA	NA	NA
110	Tata Teleservices Limited	PB	NA	40.00	0.00	26.60	0.89	0.00	100.00	NA	NA	NA	NA	NA	NA	NA	NA
111	Tata Teleservices Limited	RJ	NA	38.00	0.00	29.45	0.90	0.00	100.00	NA	NA	NA	NA	NA	NA	NA	NA
112	Tata Teleservices Limited	TN	100.00	12.60	0.06	28.60	0.99	4.79	91.97	99.27	NA	NA	NA	NA	NA	NA	NA
113	Tata Teleservices(Maharashtra) Ltd.	MH	99.69	4.35	0.07	58.80	1.97	7.88	91.61	99.10	NA	NA	NA	NA	NA	NA	NA
114	Tata Teleservices(Maharashtra) Ltd.	MUM	100.00	6.53	0.14	58.80	2.50	7.87	89.32	99.17	NA	NA	NA	NA	NA	NA	NA
115	Thamizhaga Internet Communications Pvt Ltd.	TN	100.00	0.00	0.00	50.00	20.00	4.74	89.00	100.00	0.00	NA	100.00	99.57	96.67	100.00	100.00
116	Tikona Infonet Ltd.	AI	98.57	22.00	0.40	79.86	36.00	1.59	94.21	99.54	0.05	100.00	100.00	99.58	95.19	100.00	100.00
117	Vainavi Industries Ltd.	AP	100.00	45.00	0.50	75.00	35.00	1.70	100.00	100.00	0.01	100.00	100.00	95.63	97.66	100.00	100.00
118	Vijaylakshmi Net Services Pvt.Ltd.	AP	99.10	16.00	0.00	65.00	10.00	3.09	95.00	99.13	0.03	100.00	100.00	99.14	97.71	100.00	100.00
119	Vortex Infocom Pvt. Ltd.	MH	100.00	50.00	1.00	76.00	30.00	4.78	86.00	100.00	0.00	NA	100.00	98.97	100.00	100.00	100.00
120	Vortex Netsol Pvt. Ltd.	GJ	100.00	50.00	1.00	76.00	30.00	2.74	86.00	100.00	0.00	NA	100.00	98.43	100.00	100.00	100.00
121	Vortex Netsol Pvt. Ltd.	MH	100.00	50.00	1.00	76.00	30.00	4.93	86.00	100.00	0.00	NA	100.00	98.54	100.00	100.00	100.00
122	Vortex Netsol Pvt. Ltd.	MUM	100.00	30.00	1.00	76.00	30.00	4.99	86.00	100.00	0.00	NA	100.00	99.48	98.00	100.00	100.00
123	Wan and Lan Internet Pvt. Ltd.	MUM	NA	30.00	0.20	50.00	20.00	2.72	90.00	99.50	0.00	NA	100.00	97.05	100.00	100.00	100.00
124	Wave Fiber Pvt. Ltd. (Formerly Coastal Broadband and Online Services Pvt. Ltd.)	AP	100.00	14.00	0.00	78.00	6.00	1.12	100.00	100.00	0.00	100.00	100.00	99.84	100.00	100.00	100.00
125	Weebo Networks Pvt Ltd.	AI	100.00	12.00	1.00	30.00	12.00	4.87	90.00	99.20	0.07	100.00	100.00	95.32	NA	100.00	100.00
126	Wish Net Pvt. Ltd.	AS	100.00	27.00	0.00	55.00	9.04	0.82	100.00	100.00	0.00	NA	100.00	100.00	NA	NA	NA
127	Wish Net Pvt. Ltd.	BR	100.00	13.00	0.00	60.00	1.90	2.37	100.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
128	Wish Net Pvt. Ltd.	KOL	100.00	1.00	0.00	50.00	1.35	3.15	99.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
129	Wish Net Pvt. Ltd.	MP	100.00	26.00	0.00	60.00	3.75	2.82	100.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
130	Wish Net Pvt. Ltd.	OR	100.00	11.00	0.00	57.00	5.25	1.68	100.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
131	Wish Net Pvt. Ltd.	WB	100.00	10.00	0.00	60.00	5.32	2.43	99.00	100.00	0.00	NA	100.00	100.00	100.00	NA	NA
132	Yashash Cable Network Pvt Ltd	KT	100.00	30.00	0.01	59.00	10.00	4.98	97.22	99.46	0.00	NA	100.00	99.58	97.39	100.00	100.00
133	You Broadband India Ltd.	AI	99.94	9.00	0.00	78.17	16.00	12.54	91.78	99.17	0.00	NA	100.00	100.00	96.66	100.00	100.00

Annexure 5.1: List of pay channels, offered by broadcasters to subscribers as reported to TRAI (Tariff Order dated 03.03.2017 as amended from time to time), as on 31st December, 2024

S.N.	Name of the broadcaster	S.N.	Name of the channel	Declared as SD or HD
1	AETN 18 Media Pvt Limited	1	The History Channel	SD
		2	Histroy TV 18 HD	HD
2	Associated Broadcasting Co Pvt Ltd	3	News 9	SD
3	Bangla Entertainment Private Limited	4	SONY AATH	SD
		5	SONY Marathi	SD
4	BBC Global News India Private Limited	6	BBC World News	SD
		7	Cbeebies	SD
5	Bennett, Coleman & Company Limited	8	Zoom	SD
		9	Romedy Now	SD
		10	MN + (HD)	HD
		11	Mirror Now	SD
		12	ET NOW	SD
		13	Times Now	SD
		14	Times Now Navbharat HD	HD
		15	Movies Now HD	HD
		16	MNX HD	HD
		17	ET Now Swedesh	SD
		18	MNX	SD
6	Celebrities Management Pvt Limited	19	Times Now World (HD)	HD
		20	Travel XP HD	HD
		21	Travel XP Tamil	SD
		22	Travel XP	SD
7	CSL Info Media Private Limited	23	Foodxp	SD
		24	JAN TV PLUS	SD
8	Direct New Private Limited	25	News X	SD
		26	NewsX World	SD
9	Discovery Communications India	27	Animal Planet	SD

		28	Discovery Channel	SD
		29	DTAMIL	SD
		30	Discovery Kids Channel	SD
		31	Discovery Science	SD
		32	Discovery Turbo	SD
		33	Investigation Discovery	SD
		34	Discovery HD	HD
		35	Animal Planet HD	HD
		36	TLC HD	HD
		37	Investigation Discovery HD	HD
		38	TLC	SD
		39	EUROSPORT HD	HD
		40	EUROSPORT	SD
10	Disney Broadcasting (India) Limited	41	Disney Junior	SD
		42	Super Hangama (Marvel HQ)	SD
		43	Disney International HD	HD
		44	Hungama TV	SD
		45	The Disney Channel	SD
		46	Bindass	SD
		47	Disney Channel HD	HD
11	Eenadu Televisoin Private Limited	48	ETV Telegu	SD
		49	ETV Andhra Pradesh	SD
		50	ETV - Telangana	SD
		51	ETV Cinema	SD
		52	ETV Life	SD
		53	ETV Plus	SD
		54	ETV Abhiruchi	SD
		55	ETV HD	HD
		56	ETV Plus HD	HD
		57	ETV Cinema HD	HD

		58	ETV Balbharat Hindi	SD
		59	ETV Balbharat English	SD
		60	ETV Balbharat HD	HD
		61	ETV Balbharat SD	SD
12	IN 10 Media Private Limited	62	EPIC TV	SD
		63	Filamchi	SD
		64	Gubbare	SD
		65	Showbox	SD
		66	Ishara TV	SD
		67	Nazara	SD
13	Information TV Private Limited	68	India News	SD
14	Independent News Service Pvt Limited	69	India TV Speed News	HD
15	Fame Media Private Limited	70	4tv News	SD
16	IBN Lokmat News Private Ltd	71	News 18 Lokmat	SD
17	Lifestyle and Media Broadcasting Limited	72	Good Times	SD
18	Mavis Satcom Limited	73	J Movies	SD
		74	Jaya Max	SD
		75	Jaya Plus	SD
		76	Jaya TV HD	HD
19	MSM World Wide Factual Media Private Limited	77	SONY BBC EARTH	SD
		78	SONY BBC EARTH HD	HD
20	New Delhi Television Limited	79	NDTV 24*7	SD
		80	NDTV India	SD
		81	NDTV Profit	SD
21	NGC Network (India) Pvt Limited	82	Star Life	SD
		83	National Geographic Channel (NGC)	SD

		84	Star Life HD	HD
		85	Nat Geo Wild	SD
		86	National Geographic HD	HD
		87	Nat Geo Wild HD	HD
22	Polimer Media Private Limited	88	Jothi TV	SD
23	Tarang Broadcastting Compnay Limited	89	Prarthana Life	SD
		90	Tarang	SD
		91	Tarang Music	SD
		92	Alankar	SD
		93	Tarang HD	HD
24	Raj Television Network Limited	94	Raj Digital Plus	SD
		95	Raj Musix	SD
		96	Raj News	SD
		97	Raj TV	SD
		98	Raj Nagaichuvai	SD
		99	Raj Pariwar	SD
25	Silverstar Communications Limited	100	Mega 24	SD
		101	Mega Musiq	SD
		102	Mega TV	SD
26	Culver Max Entertainment Private Limited	103	Sony YAY!	SD
		104	SONY MAX	SD
		105	SONY SAB	SD
		106	SONY ENTERTAINMENT CHANNEL (SET)	SD
		107	SONY PIX	SD
		108	SONY MAX 2	SD
		109	SONY PAL	SD
		110	SONY ENTERTAINMENT CHANNEL HD	HD
		111	PIX HD	HD
		112	MAX HD	HD
		113	SONY Sports Ten 2 HD	HD
		114	SONY Sports Ten 3 HD	HD

		115	SONY Sports Ten 2	SD
		116	SONY Sports Ten 1	SD
		117	SONY Sports Ten 3	SD
		118	SONY Sports Ten 1 HD	HD
		119	SONY Wah	SD
		120	SAB HD	HD
		121	SONY Sports Ten 4	SD
		122	SONY Sports Ten 4 HD	HD
		123	SONY Sports Ten 5	SD
		124	SONY Sports Ten 5 HD	HD
27	Star India Private Limited	125	Star Sports 3	SD
		126	Star Sports 1 Tamil	SD
		127	Star Sports Select 2	SD
		128	Star Bharat	SD
		129	Star Gold 2 (Movies OK)	SD
		130	Star Sports 1 Hindi	SD
		131	Star Gold	SD
		132	Star Jalsha	SD
		133	Star Movies	SD
		134	Star Gold Select	SD
		135	Star Plus	SD
		136	Star Pravah	SD
		137	Star Sports 1	SD
		138	Star Sports 2	SD
		139	Jalsha Movies	SD
		140	Star Sports HD 2	HD
		141	Star Sports HD 1	HD
		142	Star Bharat HD	HD
		143	Star Gold HD	HD
		144	Star Movies HD	HD
		145	Star Plus HD	HD
		146	Star Sports 1 HD Hindi	HD
		147	Star Sports Select 1	SD
		148	Star Movies Select HD	HD
		149	Star Sports First	SD

	150	MAA Gold	SD
	151	MAA Movies	SD
	152	MAA Music	SD
	153	MAA TV	SD
	154	Star Pravah HD	HD
	155	Star Jalsha HD	HD
	156	Jalsha Movies HD	HD
	157	Star Sports Select HD 1	HD
	158	Star Sports Select HD 2	HD
	159	MAA HD	HD
	160	Star Gold Select HD	HD
	161	MAA Movies HD	HD
	162	Star Sport 1 Telugu	SD
	163	Star Sport 1 Kannada	SD
	164	Star Utsav	SD
	165	Star Utsav Movies	SD
	166	Star Gold Romance	SD
	167	Star Gold Thrills	SD
	168	Pravah Pictures	SD
	169	Star Kiran	SD
	170	Star Movies Select	SD
	171	Star Gold 2 HD	HD
	172	Star Sports 1Tamil HD	HD
	173	Star Sports 1Telugu HD	HD
	174	Star Kiran HD	HD
	175	Pravah Pictures HD	HD
	176	Vijay TV	SD
	177	Vijay Super	SD
	178	Vijay HD	HD
	179	Vijay Takkar (Vijay Music)	SD
	180	Asianet	SD
	181	Asianet Plus	SD
	182	Asianet Movies	SD
	183	Suvarna Plus	SD

		184	Star Suvarna HD	HD
		185	Asianet HD	HD
		186	Star Suvarna	SD
		187	Vijay Super HD	HD
		188	Asianet Movies HD	HD
28	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
		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
29	Suryansh Broadcasting Private Limited	220	Flowers	SD
30	Warner Media India Private Limited	221	Cartoon Network	SD
		222	CNN International	SD
		223	POGO	SD
		224	Cartoon Network HD+	HD
31	Network 18 Media & Investment Limited	225	CNN News 18	SD
		226	CNBC Bajaar	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/ Uttarakhand	SD
		238	News 18 Jammu Kashmir Ladakh Himachal Haryana	SD
		239	News 18 Kannada	SD
		240	News 18 Bangla	SD
		241	News 18 Punjab	SD
		242	News 18 Gujarati	SD
		243	News 18 Odia	SD
32	TV Today Network Limited	244	Aaj Tak	SD
		245	India Today	SD
		246	AAJ Tak HD	HD
		247	Good News Today	SD
33	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 Cineplex Bollywood	SD
	266	Sports18 1	SD
	267	Sports 18 1 HD	HD
	268	Sports 18 2	SD
	269	Sports 18 3	SD
	270	Colors Bangla	SD
	271	Colors Gujarati	SD
	272	Colors Kannada	SD
	273	Colors Marathi	SD
	274	Colors Odia	SD
	275	MTV Beats HD	HD
	276	Colors Tamil	SD
	277	Colors Cineplex HD	HD
	278	VH 1	SD
	279	Colors Tamil HD	HD
	280	MTV HD	HD
	281	Colors Rishtey	SD
	282	Colors Kannada Cinema	SD
	283	Colors Gujarati Cinema	SD
	284	Comedy Central	SD

		285	Colors Bangla Cinema	SD
		286	Colors Cineplex Superhit	SD
34	Zee Akaash News Private Limited	287	Zee 24 Ghanta	SD
35	Zee Entertainment Enterprises Limited	288	Zee Bollywood	SD
		289	Action Cinema	SD
		290	Zee Bangla Cinema	SD
		291	Zee Café HD	HD
		292	Zee Café	SD
		293	Zee Cinema	SD
		294	Zee Talkies	SD
		295	Zee TV	SD
		296	Zing	SD
		297	& Picture	SD
		298	Zee Bangla	SD
		299	Zee Marathi	SD
		300	ZEE ZEST HD	HD
		301	Zee Zest	SD
		302	Zee TV HD	HD
		303	Zee Cinema HD	HD
		304	& TV	SD
		305	& TV HD	HD
		306	Zee Kannada	SD
		307	Zee Telugu	SD
		308	& Pictures HD	HD
		309	Zee Cinemalu	SD
		310	Zee Yuva	SD
		311	Zee Marathi HD	HD
		312	& Prive HD	HD
		313	Zee Bangla HD	HD
		314	Zee Tamil HD	HD
		315	Zee Cinemalu HD	HD
		316	Zee Telugu HD	HD
		317	Zee Tamil	SD
		318	Zee Kannada HD	HD
		319	Zee Anmol Cinema	SD

		320	& Flix HD	HD
		321	& Flix	SD
		322	Zee Keralam HD	HD
		323	Zee Keralam	SD
		324	Zee Anmol	SD
		325	Big Magic	SD
		326	Zee Anmol Cineme 2 (Zee Ganga)	SD
		327	Zee Classic	SD
		328	&Xplore HD	HD
		329	ZEE Sarthak	SD
		330	Zee Talkies HD	HD
		331	Zee Punjabi	SD
		332	Zee Thirai	SD
		333	Zee Picchar	SD
		334	Zee Thirai HD	HD
		335	Zee Picchar HD	HD
		336	Zee Biskope	SD
36	Zee Media Corporation Limited	337	Zee 24 Taas	SD
		338	Zee Delhi NCR Haryan (Zee Odisha)	SD
		339	Zee Business	SD
		340	Zee Punjab Haryana Himachal	SD
		341	Zee Madhya Pradesh Chattisgarh	SD
		342	Salaam TV	SD
		343	Zee 24 Kalak	SD
		344	WION	SD
		345	Zee Uttar Pradesh Uttarakhand	SD
		346	Zee Bharat	SD
		347	Zee Bihar Jharkhand	SD
		348	Zee News	SD
		349	Zee Rajasthan News	SD
		350	Zee News HD	HD
		351	Zee Kannada News	SD
		352	Zee Telugu News	SD

37	Zoom Entertainment Network Limited	353	Movies Now	SD
38	Sidharth Broadcasting Private Limited	354	Sidharth TV	SD
39	Sarthak Music Private Limited	355	Sidharth Bhakti	SD
		356	Jay Jagannath	SD
		357	Sidharth Gold	SD
40	Kalaighnar TV Pvt Limited	358	Kalaighnar TV	SD
		359	Kalaighnar Isai Aruvi	SD
		360	Kalaighnar Siripolli	SD
		361	Kalaighnar Murasu	SD
		362	Kalaighnar Seithigal	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.sitinetworkslimited
 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, Ahemdabad-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-6000002 (T.N.)
Ph: 044-49272222
Website : www.tccl.co.in
Toll Free No. 1800-102-9845
- 11. 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

12. 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 Play Limited**
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

List of Pay IPTV Operators, as on 31st December, 2024

Sl. No.	Name of IPTV operators
1.	<u>M/s Hyderabad Cable Digital Service Pvt. Ltd.</u>
2.	<u>M/s Delinet Broadband Pvt. Ltd</u>
3.	<u>M/s Mis Bhoomika Digital Cable Services Pvt. Ltd</u>
4.	<u>M/s Den Network Ltd.</u>
5.	<u>M/s Hathway Digital Limited</u>
6.	<u>M/s Act Digital Home Entertainment Pvt. Ltd.</u>
7.	<u>M/s Kable First India Pvt. Ltd.</u>
8.	<u>M/s ACN Cable Pvt. Ltd.</u>
9.	<u>UCN Network</u>
10.	<u>M/s Andhra Pradesh State Fibernet Limited</u>
11.	<u>M/s Peak Air Pvt. Ltd.</u>
12.	<u>M/s Triple Play Teleservices (P) Ltd.</u>
13.	<u>M/s Atria Convergence Technologies Ltd.</u>
14.	<u>M/s WI Bro Solutions Pvt. Ltd.</u>
15.	<u>M/s City Online Media Pvt. Ltd</u>
16.	<u>M/s E2 Info Solutions</u>
17.	<u>M/s Skypro Communications</u>
18.	<u>M/s Assistive Netspeed Technologies Pvt. Ltd.</u>
19.	<u>M/s Creative Cable Network</u>
20.	<u>M/s Bangalore Broadband Network Private Limited</u>
21.	<u>SRI SAI Cable & Broadband Network Pvt. Limited</u>
22.	<u>Wired Entertainment</u>
23.	<u>Pioneer Digital TV Pvt. Ltd</u>
24.	<u>Dombivali Optical Network Cable Pvt. Ltd</u>
25.	<u>AAACLOUD Telephony Pvt. Ltd</u>
26.	<u>Meghbela Cable & Broadband Services Pvt. Ltd.</u>
27.	<u>VK Digital Network Pvt. Ltd.</u>
28.	<u>Esto Networks Pvt. Ltd.</u>
29.	<u>Umbrella Cable Systems Pvt. Ltd</u>
30.	<u>M Netplus Communication Services Pvt. Ltd.</u>
31.	<u>Skynet Digital Services Pvt. Ltd.</u>
32.	<u>ST Broadband Cable Service</u>
33.	<u>RD Cable Network</u>
34.	<u>Free TV Entertainment India Pvt. Ltd.</u>
35.	<u>M/s U Digital Network Pvt. Ltd.</u>
36.	<u>M/s ANI Data Services (OPC) Pvt. Ltd</u>
37.	<u>M/s AJK TV</u>
38.	<u>M/s Skyline Networks</u>
39.	<u>M/s Radiant Digitek Network Ltd.</u>
40.	<u>M/s Fastway Transmission Pvt. Ltd.</u>
41.	<u>M/s Minnal Digital Network</u>

42.	<u>M/s Sai TV</u>
43.	<u>M/s Thamizhaga Cable TV Communication Ltd.</u>
44.	<u>M/s K Net Solutions Pvt. Ltd.</u>
45.	<u>M/s Panmetro Convergence Pvt. Ltd.</u>
46.	<u>M/s DeeNet Services Pvt. Ltd.</u>
47.	<u>M/s ABSK Digital Pvt. Ltd</u>
48.	<u>M/s Innolens Media & Broadcasting Pvt Ltd</u>
49.	<u>M/s JDM Internet Solutions Pvt. Ltd.</u>
50.	<u>M/s BSL Cable Network</u>
51.	<u>M/s Axom Communications & Cable Pvt. Ltd.</u>
52.	<u>M/s Soibam Technology Pvt. Ltd.</u>

Annexure 5.5: List of 113 cities with operational private FM Radio Channels in India (as on 31st December, 2024)

S.No.	City	Category	Channels
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
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	Kargil	Others	2
59	Kathua	Others	2
60	Kochi	B	4
61	Kolhapur	C	4
62	Kolkata	A+	7
63	Kota	C	4
64	Kozhikode	C	4
65	Lucknow	A	6
66	Leh	Others	3
67	Madurai	B	4

68	Mangalore	C	3
69	Mehsana	D	2
70	Mumbai	A+	9
71	Muzaffarpur	C	4
72	Mysore	C	3
73	Nagpur	A	6
74	Nanded	C	3
75	Nasik	C	4
76	Nellore	C	1
77	Palampur	D	1
78	Panaji	D	2
79	Patiala	C	4
80	Patna	B	4
81	Porbandar	D	1
82	Punch	Others	2
83	Puducherry	C	4
84	Pune	A	6
85	Raigarh	D	1
86	Raipur	C	3
87	Rajahmundry	C	3
88	Rajkot	B	4
89	Ranchi	C	4
90	Rourkela	C	2
91	Salem	C	2
92	Sangli	C	4
93	Shillong	D	3
94	Shimla	D	3
95	Sholapur	C	4
96	Siliguri	C	3
97	Srinagar	C	4
98	Surat	A	6
99	Thiruvananthapuram	C	4
100	Thoothukudi	C	2
101	Thrissur	C	3
102	Tiruchirappalli	C	3

103	Tirunelveli	C	3
104	Tirupati	C	3
105	Udaipur	C	4
106	Ujjain	C	1
107	Vadodra	B	4
108	Varanasi	B	4
109	Vellore	C	2
110	Veraval	D	1
111	Vijayawada	B	3
112	Vishakapatnam	B	3
113	Warrangal	C	3
	Total		388

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