

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 1st April, 2024

(www.trai.gov.in)

Highlights of Telecom Subscription Data as on 31st January, 2024

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Broadband Subscribers (Million)	872.16	38.87	911.03
Urban Telephone Subscribers (Million)	633.96	29.75	663.72
Net Addition in January, 2024 (Million)	0.52	0.63	1.16
Monthly Growth Rate	0.08%	2.17%	0.17%
Rural Telephone Subscribers (Million)	526.75	2.79	529.53
Net Addition in January, 2024 (Million)	1.70	0.07	1.76
Monthly Growth Rate	0.32%	2.43%	0.33%
Total Telephone Subscribers (Million)	1160.71	32.54	1193.25
Net Addition in January, 2024 (Million)	2.22	0.70	2.92
Monthly Growth Rate	0.19%	2.19%	0.25%
Overall Tele-density*(%)	83.05%	2.33%	85.38%
Urban Tele-density*(%)	127.79%	6.00%	133.79%
Rural Tele-density*(%)	58.43%	0.31%	58.74%
Share of Urban Subscribers	54.62%	91.44%	55.62%
Share of Rural Subscribers	45.38%	8.56%	44.38%

- ❖ In the month of January, 2024, 12.36 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 927.19 million at the end of December-23 to 939.55 million at the end of January-24, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in January, 2024 was 1050.60 million.

Note:

- Information in this Press Release is based on the data provided by the Service Providers
- * Based on the projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 - 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
- # VLR is acronym of Visitor Location Register. The dates of peak VLR for various TSPs are different in different service areas.

I. Broadband Subscriber

- As per the information received from 1,129 operators in January, 2024, in comparison to 1126 Operators in December 2023, the total Broadband Subscribers increased from 904.54 million at the end of December-23 to 911.03 million at the end of January-24 with a monthly growth rate of 0.72%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

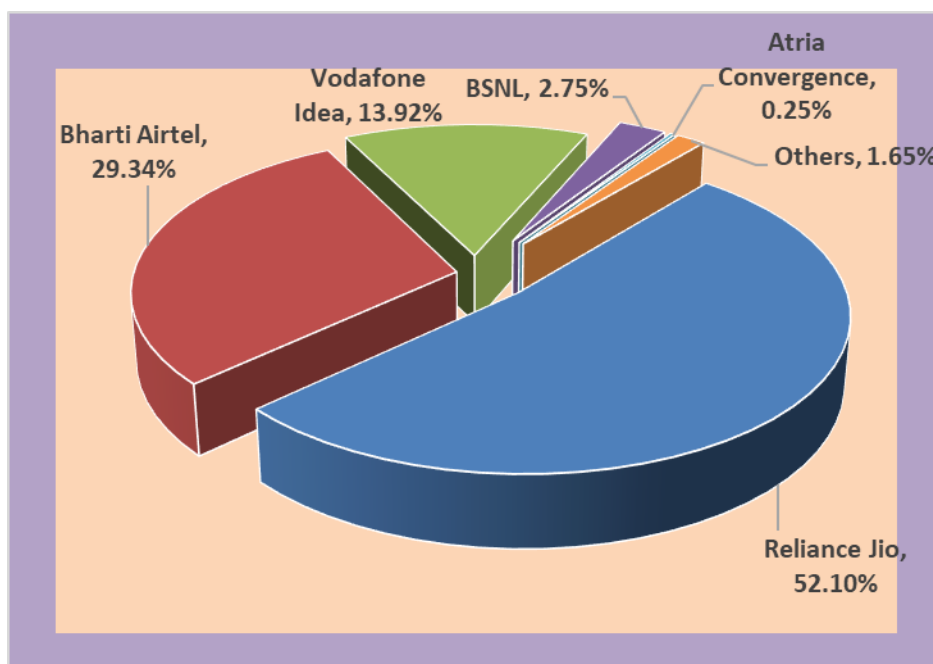
Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of January, 2024

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of January, 2024
	As on 31 st December 2023	As on 31 st January 2024	
Wired subscribers	38.35	38.87	1.37%
Mobile devices users (Phones and dongles)	865.28	871.29	0.69%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.91	0.87	-3.61%
Total	904.54	911.03	0.72%

- Top five service providers constituted 98.35% market share of the total broadband subscribers at the end of January-24. These service providers were Reliance Jio Infocomm Ltd 474.62 million, Bharti Airtel 267.26 million, Vodafone Idea 126.78 million, BSNL 25.08 million and Atria Convergence 2.23 million.

- The graphical representation of the service provider-wise market share of broadband services is given below: -

**Service Provider-wise Market Share of Broadband
(wired + wireless) Services as on 31st January, 2024**

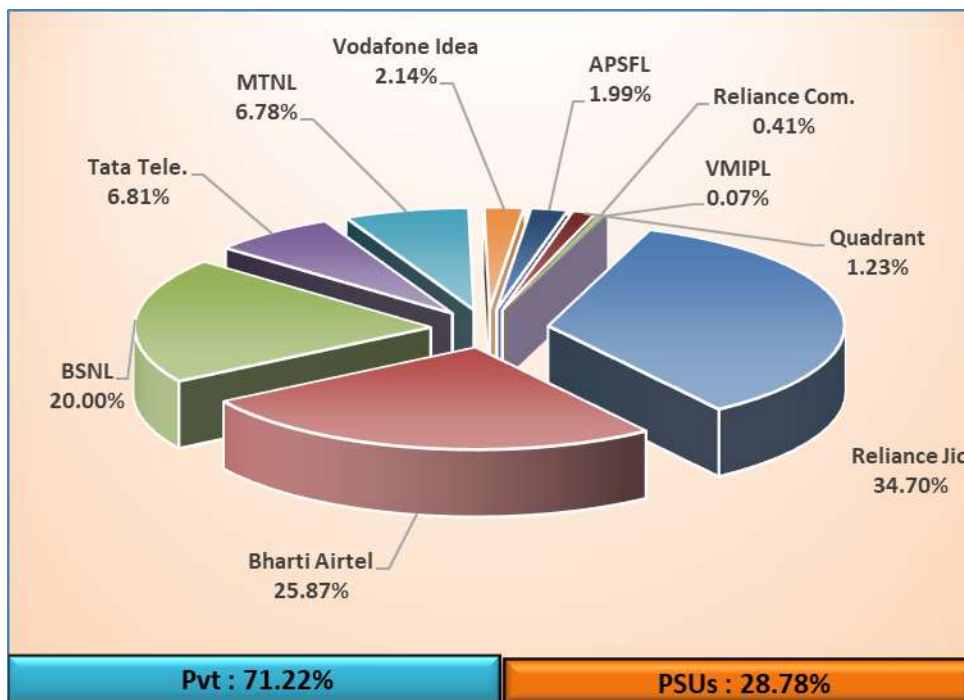


- As on 31st January, 2024, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd 10.63 million, Bharti Airtel 7.50 million, BSNL 3.89 million, Atria Convergence Technologies 2.23 million and Oneott Entertainment Limited 1.25 million.
- As on 31st January, 2024, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd 463.99 million, Bharti Airtel 259.76 million, Vodafone Idea 126.77 million, BSNL 21.19 million and Intech Online Pvt. Ltd. 0.24 million.

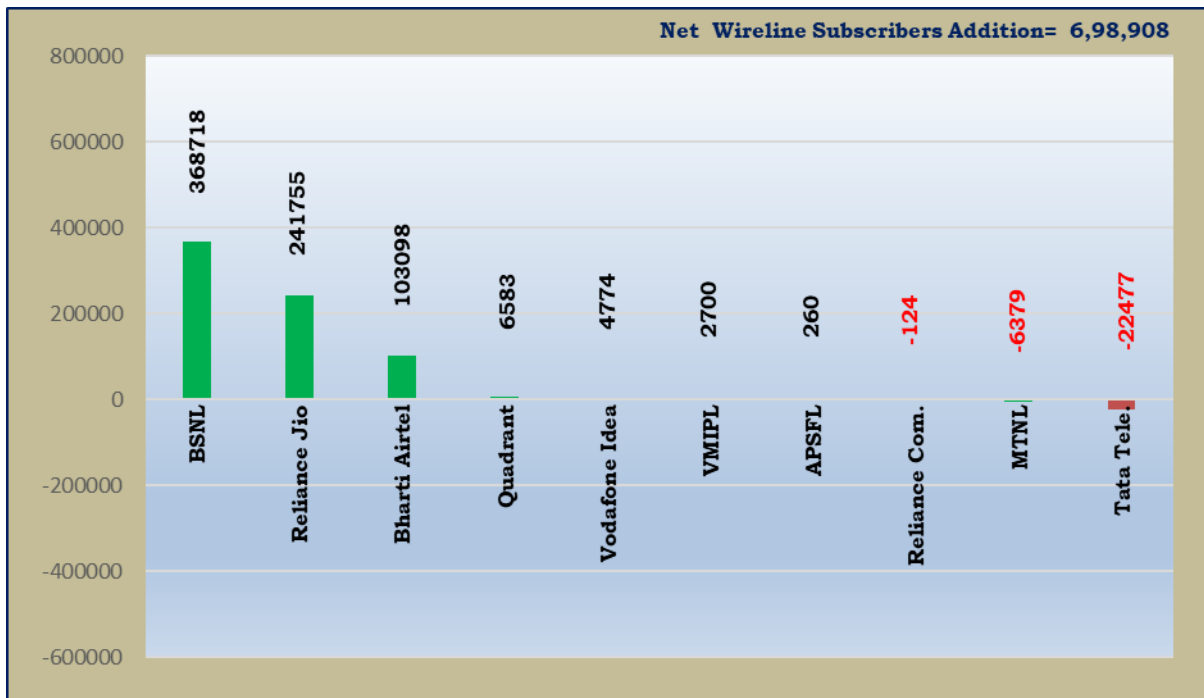
II. Wireline Subscribers

- Wireline subscribers increased from 31.84 million at the end of December-23 to 32.54 million at the end of January-24. Net increase in the wireline subscriber base was 0.70 million with a monthly rate of growth 2.19%. The share of urban and rural subscribers in total wireline subscribers were 91.44% and 8.56% respectively at the end of January, 2024.
- The Overall Wireline Tele-density in India increased from 2.28% at the end of December-23 to 2.33% at the end of January-24. Urban and Rural Wireline Tele-density were 6% and 0.31% respectively during the same period.
- BSNL, MTNL and APSFL, the three PSUs access service providers, held 28.78% of the wireline market share as on 31st January, 2023. Detailed statistics of wireline subscriber base are available at **Annexure-I**.

Access Service Provider-wise Market Share of Wireline Subscribers as on 31st January, 2024



Access Service Provider-wise Net Addition/Decline in Wireline Subscribers during the month of January, 2024



III. Wireless subscriber

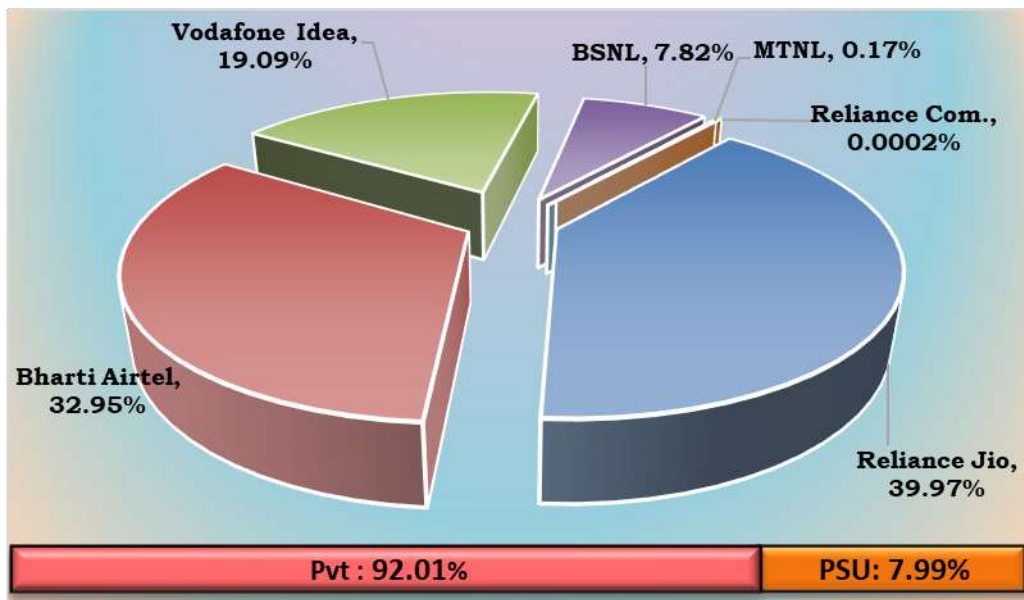
• Total wireless subscribers increased from 1,158.49 million at the end of December-23, to 1,160.71 million at the end of January-24, thereby registering a monthly growth rate of 0.19%. Wireless subscription in urban areas increased from 633.44 million at the end of Dec-23 to 633.96 million at the end of Jan-24 and wireless subscription in rural areas also increased from 525.05 million to 526.75 million during the same period. Monthly growth rate of urban and rural wireless subscription was 0.08% and 0.32% respectively.



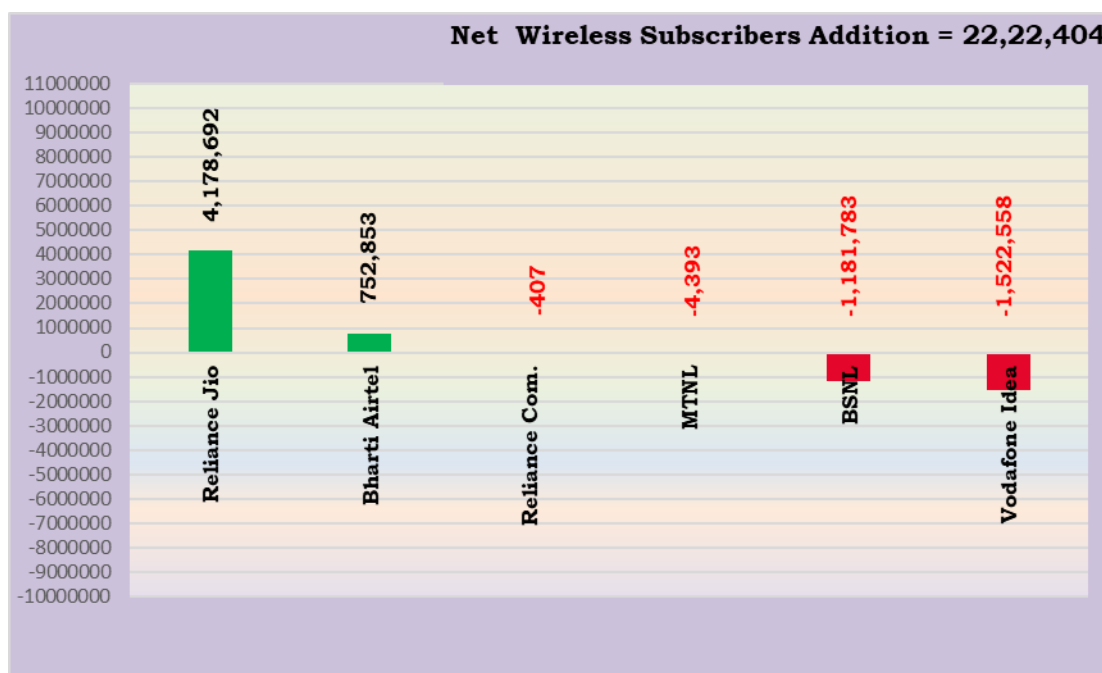
• The Wireless Tele-density in India increased from 82.95% at the end of December-23 to 83.05% at the end of January-24. The Urban Wireless Tele-density decreased from 127.88% at the end of December-23 to 127.79% at the end of January-24 however Rural Tele-density increased from 58.26% to 58.43% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.62% and 45.38% respectively at the end of Jan-24. Detailed statistics of wireless subscriber base is available at **Annexure-II**.

- As on 31st January, 2024, the private access service providers held 92.01% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 7.99%.
- The graphical representation of access service provider-wise market share and net additions in wireless subscriber base are given below: -

Access Service Provider-wise Market Shares in term of Wireless Subscribers as on 31st January, 2024

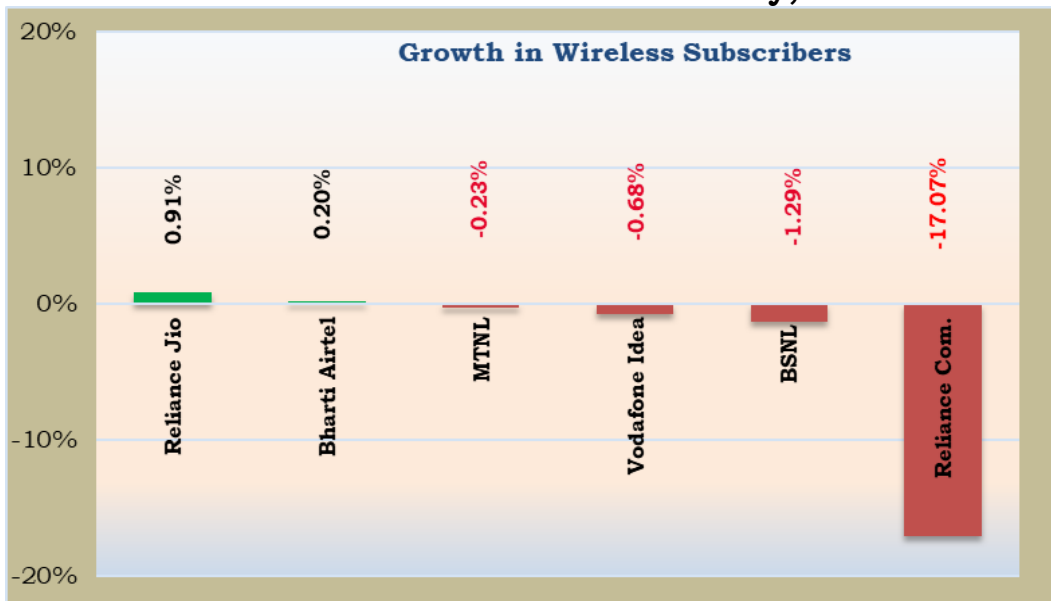


Net Addition in Wireless Subscribers of Access Service Providers in the month of January, 2024



Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the month of January, 2024



Note: BSNL includes its Virtual Network Operator (VNO).

Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of January, 2024



- Except North East, Kerala, Maharashtra, Himachal Pradesh, Mumbai, Gujarat and Jammu & Kashmir, all other service areas have showed growth in their wireless subscribers during the month of January-24.

IV. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,190.33 million at the end of December-23 to 1,193.25 million at the end of January-24, thereby showing a monthly growth rate of 0.25%. Urban telephone subscription increased from 662.56 million at the end of December-23 to 663.72 million at the end of January-24 and the rural subscription also increased from 527.77 million to 529.53 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.17% and 0.33% respectively during the month of January-24.



- The overall Tele-density in India increased from 85.23% at the end of December-23 to 85.38% at the end of January-24. The Urban Tele-density increased from 133.76% at the end of December-23 to 133.79% at the end of January-24 and Rural Tele-density also increased from 58.56% to 58.74% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of January-24 were 55.62% and 44.38% respectively.

Overall Tele-density (LSA Wise) – As on 31st January, 2024



- As may be seen in the above chart, eight LSA have less tele-density than the all India average tele-density at the end of January-24. Delhi service area has maximum tele-density of 279.07% and the Bihar service area has minimum tele-density of 56.66% at the end of January-24.

Notes: -

1. Population data/projections are available state wise only.
2. Tele-density figures are derived from the telephone subscriber data provided by the access service providers and the projection of population from the “Report of the Technical Group on Population Projections for India and States 2011 – 2036, which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
3. Telephone subscriber data for Delhi, includes, apart from the data for the State of Delhi, wireless subscriber data for the areas served by the local exchanges of Ghaziabad & Noida (in Uttar Pradesh) and Gurgaon & Faridabad (in Haryana).
4. Data/information for West Bengal includes Kolkata, Maharashtra includes Mumbai and Uttar Pradesh includes UPE & UPW service area(s).
5. Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatisgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura States.

V. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of January, 2024

Circle Category	Net additions in the month of January, 2024		Telephone Subscriber base as on 31 st January, 2024	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	2,42,439	2,67,153	1,27,02,325	38,75,85,638
Circle B	3,66,361	11,20,177	85,37,769	47,15,17,019
Circle C	37,303	6,78,066	24,58,566	18,72,24,474
Metro	52,805	1,57,008	88,41,578	11,43,83,779
All India	6,98,908	22,22,404	3,25,40,238	1,16,07,10,910

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of January, 2024

Circle Category	Monthly growth rate (%) (December-23 to January-24)		Yearly growth rate (%) (January-23 to January-24)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	1.95%	0.07%	19.62%	0.68%
Circle B	4.48%	0.24%	22.86%	1.73%
Circle C	1.54%	0.36%	22.78%	2.86%
Metro	0.60%	0.14%	8.33%	1.65%
All India	2.19%	0.19%	17.34%	1.55%

Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

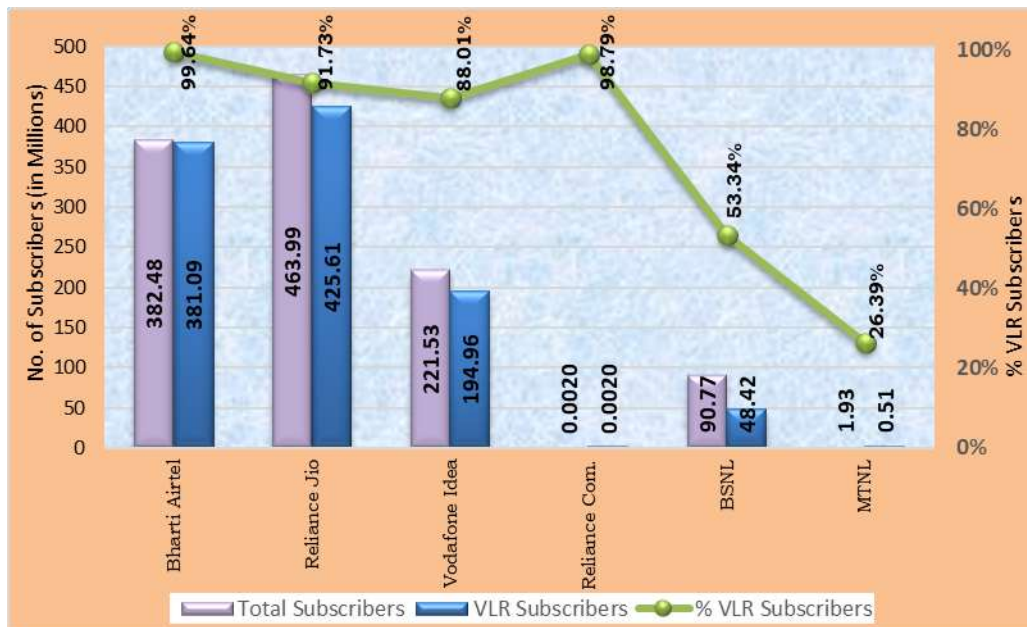
- As can be seen in the above tables, in wireless segment, during the month of January, 2024, both on monthly and yearly basis all circles have registered growth rate in their subscriber.
- During the month of January, 2024, in Wireline segment, both on monthly and yearly basis, all circles have registered growth rate in their subscriber base.

VI. Active Wireless Subscribers (VLR Data)

• Out of the total 1,160.71 million wireless subscribers, 1050.60 million wireless subscribers were active on the date of peak VLR in the month of January-24. The proportion of active wireless subscribers was approximately 90.51% of the total wireless subscriber base.

• The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of January-24 is available at **Annexure-III** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

Access Service Provider-wise Percentage of VLR Subscribers in the month of January, 2024



• Bharti Airtel has the maximum proportion 99.64% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of

peak VLR in the month of January-24 and MTNL has the minimum proportion of VLR 26.39% of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of January, 2024



VII. Mobile Number Portability (MNP)

- Intra-service area Mobile number portability (MNP) was implemented first in Haryana service area w.e.f. 25.11.2010 and in the rest of the country w.e.f. 20.01.2011. Inter-Service Area MNP has been implemented in the country w.e.f. 03.07.2015. Now, the wireless telephone subscribers can retain their mobile numbers when they relocate from one service area to another.
- During the month of January-24, a total of 12.36 million requests were received for MNP. Out of total 12.36 million, new requests received from Zone-I & Zone-II were 7.12 million and 5.24 million respectively. The cumulative MNP requests increased from 927.19 million at the end of December-23 to 939.55 million at the end of January-24, since the implementation of MNP.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Uttar Pradesh-East (about 87.07 million) followed by Maharashtra (about 77.25 million) service area.

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Madhya Pradesh (about 72.39 million) followed by Karnataka (about 65.76 million).

Service Area Wise MNP Status					
Zone-I			Zone-II		
Service Area	Number of Porting Requests (in Million)		Service Area	Number of Porting Requests (in Million)	
	Dec-23	Jan-24		Dec-23	Jan-24
Delhi	44.52	45.13	Andhra Pradesh	63.43	64.02
Gujarat	63.25	64.13	Assam	6.64	6.73
Haryana	29.50	29.87	Bihar	50.65	51.50
Himachal Pradesh	4.01	4.05	Karnataka	65.21	65.76
Jammu & Kashmir	2.27	2.34	Kerala	22.80	23.04
Maharashtra	76.25	77.25	Kolkata	17.41	17.58
Mumbai	32.32	32.60	Madhya Pradesh	71.32	72.39
Punjab	31.45	31.77	North East	2.13	2.15
Rajasthan	64.13	64.88	Odisha	16.52	16.69
U.P.(East)	85.43	87.07	Tamil Nadu	60.25	60.81
U.P.(West)	65.50	66.67	West Bengal	52.19	53.13
Total	498.64	505.76	Total	428.55	433.79
Total (Zone-I + Zone-II)				927.19	939.55
Net Addition (January, 2024)			12.36 million		

Contact details in case of any clarification: -

Shri Amit Sharma, Advisor (F&EA),
Telecom Regulatory Authority of India
Mahanagar Doorsanchar Bhawan
Jawahar Lal Nehru Marg,
New Delhi – 110002.
Ph: 011-23234367
E-mail: advfea2@traigov.in

(V. Raghunandan)
Secretary, TRAI

Wireline Subscriber Base

Annexure-I

Service Area	BSNL		MTNL		Bharti Airtel		Reliance Com.		Tata Tele.		Quadrant		Vodafone Idea		Reliance Jio		V-CON Mobile & Infra Pvt. Ltd.		APSFL		Total		Net Addition
	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	
Andhra Pradesh	518960	562446			601545	617074	18583	18507	234829	232947			70125	73435	1312616	1346059			647657	647917	3404315	3498385	94070
Assam	101,612	102,491			29412	30320	0	0	0	0			2610	2580	181527	185481					315161	320872	5711
Bihar	165,076	166,830			141956	145006	9	9	11142	11179			2350	2200	524266	534968					844799	860192	15393
Delhi		0	997806	995228	2085938	2101498	18389	18313	209288	205519			79301	79511	951578	969975					4342300	4370044	27744
Gujarat	290294	307384			256715	262203	2863	2893	165671	162064			67666	70716	668992	687284					1452201	1492544	40343
Haryana	188136	205957			150563	153769	0	0	43418	43160			420	420	132000	135673					514537	538979	24442
Himachal Pradesh	87875	91857			7999	8184	0	0	1494	1498			90	90	58715	60357					156173	161986	5813
J & K	74196	74557			107478	109424	0	0	0	0			30	30	204993	208152					386697	392163	5466
Karnataka	524521	549668			1189445	1204348	17436	17421	405944	405027			138230	140180	954149	964999					3229725	3281643	51918
Kerala	979037	1089573			102222	103359	3283	3247	19805	19724			6880	7030	296641	302592					1407868	1525525	117657
Kolkata	182395	184464			201491	202126	4636	4635	63439	61172			14890	14900	504778	515173					971629	982470	10841
Madhya Pradesh	241956	243756			525515	538621	5	5	57676	46310			50210	47710	726128	742853					1601490	1619255	17765
Maharashtra	550332	556896			464548	472582	8100	8099	222777	222162			20411	20361	289121	305023					1555289	1585123	29834
Mumbai		1401	1215724	1211923	591988	595301	37695	37657	592082	596619			164151	163925	873204	882238					3474844	3489064	14220
North East	71699	71729			0	0	0	0	0	0			510	510	177512	180836					249721	253075	3354
Odisha	152010	147884			43537	45097	4	4	12464	12498			3340	3340	257357	261455					468712	470278	1566
Punjab	374795	491377			263997	267833	1878	1849	16649	16565	394970	401553	1800	1650	346933	358022	21479	24179			1422501	1563028	140527
Rajasthan	262526	266970			256441	260402	3473	3483	24452	24295			12515	12515	396894	408091					956301	975756	19455
Tamil Nadu	900733	915058			898548	898934	15525	15633	136757	135010			34113	32693	832680	847302					2818356	2844630	26274
U.P.(E)	120634	121631			207715	210552	34	34	10564	10291			16700	16700	524966	539522					880613	898730	18117
U.P.(W)	176086	183058			136343	138432	8	8	7018	6954			3631	4251	587880	604338					910966	937041	26075
West Bengal	177162	173766			50327	51756	49	49	2623	2621			150	150	246821	251113					477132	479455	2323
Total	6140035	6508753	2213530	2207151	8313723	8416821	131970	131846	2238092	2215615	394970	401553	690123	694897	11049751	11291506	21479	24179	647657	647917	31841330	32540238	698908
Net Addition		368718		-6379		103098		-124		-22477		6583		4774		241755		2700		260		698908	
Rural Subscribers	1983034	2039982	34	34	2446	2444	360	360	8566	8512	16844	16499	0	0	229170	238487		0	479266	479459	2719720	2785777	66057

Wireless Subscriber Base

Annexure-II

Circle	Bharti Airtel (including Tata Tele.)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	Dec-23	Jan-24	
Andhra Pradesh	33456471	33574662			10889776	10845127	6526093	6509947					32181993	32441781	83054333	83371517	317184
Assam	11,635,040	11,676,769			1689221	1638260	3135849	3130298					9273525	9453543	25733635	25898870	165235
Bihar	41,196,724	41,219,965			7685625	7635909	5212767	5184286					39960736	40493694	94055852	94533854	478002
Delhi	17944995	17997887	23	20	16594404	16552965					1686812	1686497	19780346	20005262	56006580	56242631	236051
Gujarat	11696221	11763034	43	39	20936910	20856409	4408539	3717156					29363638	29693099	66405351	66029737	-375614
Haryana	6913441	6928123	11	7	6848050	6797157	4334735	4367449					8570228	8632256	26666465	26724992	58527
Himachal Pradesh	3565663	3566475	92	90	404470	402557	1549857	1522917					3330986	3340307	8851068	8832346	-18722
J & K	5889912	5883713	0	0	302053	299926	802417	794052					5172959	5099483	12167341	12077174	-90167
Karnataka	31952810	32016281	574	549	6478767	6499154	4224679	4226753					23596740	23837825	66253570	66580562	326992
Kerala	8472706	8514603	113	100	13703637	13657471	9378546	9281824					10830851	10918889	42385853	42372887	-12966
Kolkata	5696375	5682729	0	0	5421655	5345800	2026790	1989503					10724998	10853184	23869818	23871216	1398
Madhya Pradesh	15898273	15982845	0	0	15839576	15699573	4808578	4740747					41814615	42300730	78361042	78723895	362853
Maharashtra	21533174	21602792	0	0	22913859	22614053	5857052	5879904					43085341	43224553	93389426	93321302	-68124
Mumbai	9994591	9985385	877	604	11254136	11117377					251914	247836	12848855	12918730	34350373	34269932	-80441
North East	6217335	6214956	0	0	811436	790585	1,252,368	1,244,179					4191746	4220040	12472885	12469760	-3125
Odisha	11462775	11501940	29	24	1501230	1478271	5,450,152	5,450,059					14851441	14982176	33265627	33412470	146843
Punjab	12532709	12541225	106	99	6545598	6506089	4,118,815	4,153,406					11935545	12021176	35132773	35221995	89222
Rajasthan	23079164	23202594	155	151	11008394	10788187	5,660,820	5,658,798					26285709	26524805	66034242	66174535	140293
Tamil Nadu	29098516	29152903	238	213	15960200	15857377	7,506,630	7,485,773	176,911	179,740			25473310	25606514	78215805	78282520	66715
U.P.(E)	37050222	36929390	0	0	17377795	17365697	8,244,426	7,983,694					38846885	39329936	101519328	101608717	89389
U.P.(W)	18663992	18694147	8	5	15566328	15547610	4,940,774	4,927,032					23813944	23987854	62985046	63156648	171602
West Bengal	17779617	17851161	115	76	13315440	13230448	2,339,459	2,346,957					23877462	24104708	57312093	57533350	221257
Total	381730726	382483579	2384	1977	223048560	221526002	91779346	90594734	176911	179740	1938726	1934333	459811853	463990545	1158488506	1160710910	2222404
Net Addition		752853		-407		-1522558		-1184612		2829		-4393		4178692	0	2222404	
Rural Subscribers	185,157,769	186,015,401	0	0	108542309	107904607	28,718,076	28,307,328	0	0	35254	35248	202594407	204483720	525047815	526746304	1698489

Proportion of VLR on the date of Peak VLR in the month of Jan-24 (%)							Annexure-III
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	99.11	63.38	92.99		-	89.73	91.87
Assam	98.39	38.44	95.62		-	93.92	89.34
Bihar	90.82	34.07	89.52		-	88.79	86.73
Delhi	93.36		60.64	16.96	110.00	90.24	80.33
Gujarat	108.68	50.69	94.26		125.64	95.28	94.83
Haryana	103.15	27.19	91.97		171.43	92.36	84.41
Himachal Pradesh	97.36	53.35	104.94		43.33	111.03	95.29
J & K	91.97	66.60	85.09		-	83.28	86.46
Karnataka	97.33	60.93	83.85		97.09	93.16	92.21
Kerala	114.01	89.95	94.47		139.00	90.78	96.46
Kolkata	95.68	44.82	95.44		-	95.38	91.25
Madhya Pradesh	101.44	45.35	85.44		-	91.03	89.28
Maharashtra	108.86	62.67	93.48		-	98.02	97.20
Mumbai	85.55		70.78	90.60	114.07	82.98	79.82
North East	103.74	52.48	94.08		-	102.90	97.73
Odisha	108.80	53.07	96.50		50.00	97.72	94.20
Punjab	104.12	40.60	93.71		68.69	92.09	90.60
Rajasthan	100.14	42.40	93.14		58.94	91.91	90.76
Tamil Nadu	98.87	75.73	91.21		104.23	86.32	90.95
U.P. (E)	98.77	32.37	88.33		-	89.03	88.00
U.P. (W)	107.09	34.76	89.13		160.00	86.31	89.13
West Bengal	101.55	65.03	90.70		93.42	95.69	95.11
Total	99.64	53.34	88.01	26.39	98.79	91.73	90.51

Note: Peak VLR figures in some circles of some of the service providers are more than their HLR figures due to a large number of inroamers.

VLR Subscribers in the Wireless Segment

Home Location Register (HLR) is a central database that contains details of each mobile phone subscriber that is authorized to use the GSM core network. The HLRs store details of every SIM card issued by the service provider. Each SIM has a unique identifier called an International Mobile Subscriber Identity (IMSI), which is the primary key to each HLR record. The HLR data is stored for as long as a subscriber remains with the service provider. HLR also manages the mobility of subscribers by means of updating their position in administrative areas. It sends the subscriber data to a Visitor Location Register (VLR).

Subscriber numbers reported by the service providers is the difference between the numbers of IMSI registered in service provider's HLR and sum of other figures as given below: -

1	Total IMSI's in HLR (A)
2	Less: (B = a + b + c + d + e)
a.	Test/Service Cards
b.	Employees
c.	Stock in hand/in Distribution Channels (Active Card)
d.	Subscriber Retention period expired
e.	Service suspended pending disconnection
3	Subscribers Base (A-B)

Visitor Location Register (VLR) is a temporary database of the subscribers who have roamed into the particular area, which it serves. Each base station in the network is served by exactly one VLR; hence a subscriber cannot be present in more than one VLR at a time.

If subscriber is in active stage i.e. he is able to send/receive calls/SMSs he is available both in HLR and VLR. However, it may be possible that the subscriber is registered in HLR but not in VLR due to the reason that he is either switched-off or moved out of coverage area, not reachable etc. In such circumstances he will be available in HLR but not in VLR. This causes difference between subscriber number reported by the service providers based on HLR and numbers available in VLR.

The VLR subscriber data calculated here is based on active subscribers in VLR on the date of Peak subscriber number in VLR of the particular month for which the data is being collected. This data is to be taken from the switches having the purge time of not more than 72 hours.