



सत्यमेव जयते

TELECOM REGULATORY AUTHORITY OF INDIANew Delhi, 11th May, 2021

(www.traigov.in)

**Highlights of Telecom Subscription Data as on 28th February, 2021**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1167.71	20.19	1187.90
Net Addition in February, 2021 (Million)	8.29	0.11	8.40
Monthly Growth Rate	0.72%	0.54%	0.71%
Urban Telephone Subscribers (Million)	639.24	18.47	657.72
Net Addition in February, 2021 (Million)	5.98	0.15	6.13
Monthly Growth Rate	0.94%	0.82%	0.94%
Rural Telephone Subscribers (Million)	528.47	1.71	530.18
Net Addition in February, 2021 (Million)	2.32	-0.04	2.28
Monthly Growth Rate	0.44%	-2.36%	0.43%
Overall Tele-density*(%)	85.78%	1.48%	87.26%
Urban Tele-density*(%)	136.03%	3.93%	139.96%
Rural Tele-density*(%)	59.28%	0.19%	59.48%
Share of Urban Subscribers	54.74%	91.52%	55.37%
Share of Rural Subscribers	45.26%	8.48%	44.63%
Broadband Subscribers (Million)	742.84	22.26	765.09

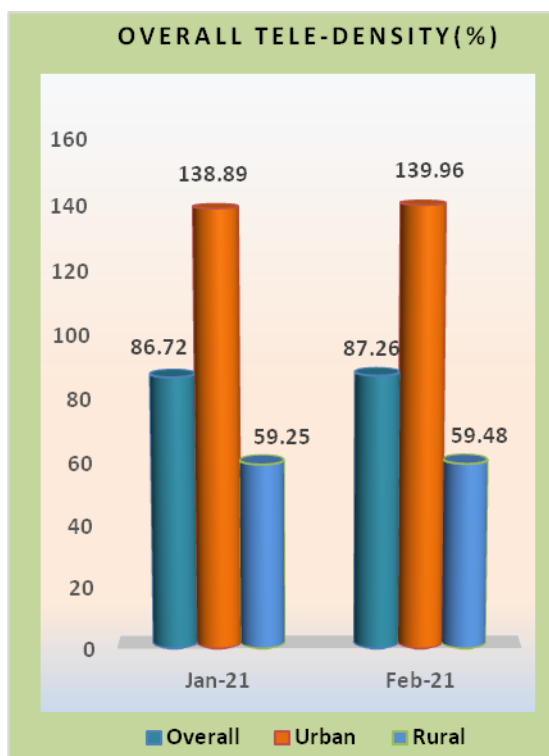
- ❖ In the month of February, 2021, 11.68 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 552.24 million at the end of January-21 to 563.92 million at the end of February-21, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in February, 2021 was 981.92 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', Ministry of Health & Family Welfare.
- # VLR is acronym of Visitor Location Register. The dates of peak VLR for various TSPs are different in different service areas.

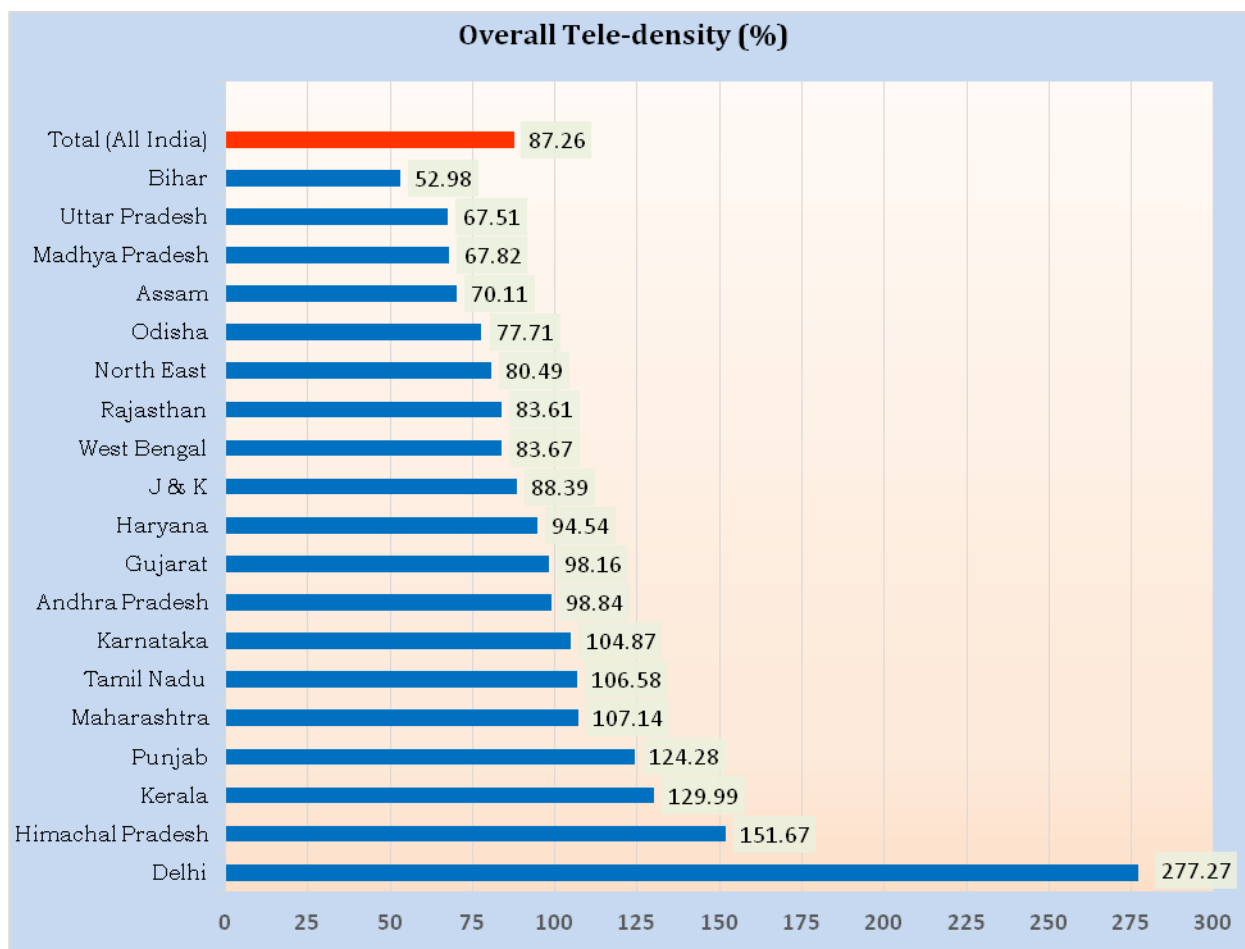
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,179.49 million at the end of January-21 to 1,187.90 million at the end of February-21, thereby showing a monthly growth rate of 0.71%. Urban telephone subscription increased from 651.59 million at the end of January-21 to 657.72 million at the end of February-21 and the rural subscription also increased from 527.90 million to 530.18 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.94% and 0.43% respectively during the month of February-21.



- The overall Tele-density in India increased from 86.72 at the end of January-21 to 87.26 at the end of February-21. The Urban Tele-density increased from 138.89 at the end of January-21 to 139.96 at the end of February-21 and Rural Tele-density also increased from 59.25 to 59.48 during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of February-21 was 55.37% and 44.63% respectively.

Overall Tele-density (LSA Wise) – As on 28th February, 2021



- As may be seen in the above chart, eight states have less tele-density than the all India average tele-density at the end of February-21. Delhi service area has maximum tele-density of 277.27 and the Bihar service area has minimum tele-density of 52.98 at the end of February-21.

Notes:

- Population data/projections are available state wise only.
- 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, Ministry of Health & Family Welfare".
- 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).
- Data/information for West Bengal includes Kolkata, Maharashtra includes Mumbai and Uttar Pradesh includes UPE & UPW service area(s).
- 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.

II. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of February 2021

Circle Category	Net additions in the month of February, 2021		Telephone Subscriber base as on 28 th February, 2021	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	40,715	2,050,033	7,705,319	399,878,240
Circle B	19,587	3,621,560	4,484,346	472,000,397
Circle C	16,181	244,875	921,621	179,234,537
Metro	31,657	2,376,200	7,075,347	116,595,413
All India	108,140	8,292,668	20,186,633	1,167,708,587

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of February 2021

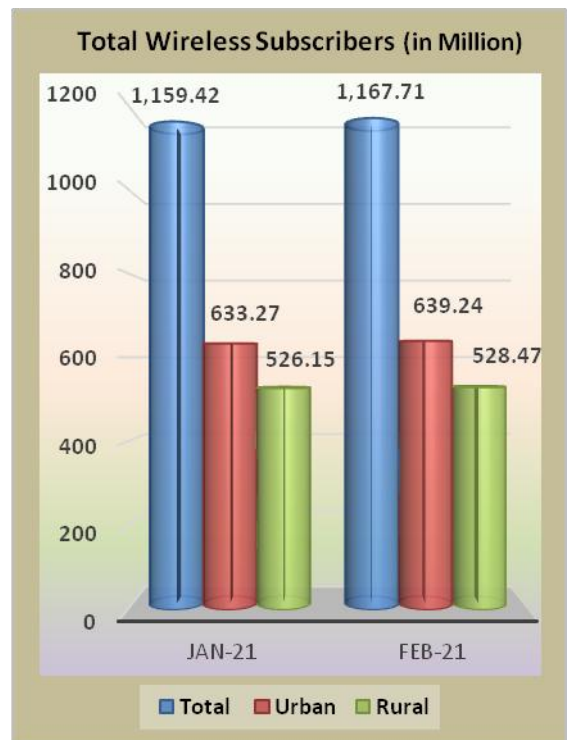
Circle Category	Monthly growth rate (%) (January-21 to February-21)		Yearly growth rate (%) (February-20 to February-21)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	0.53%	0.52%	-1.69%	0.26%
Circle B	0.44%	0.77%	-2.62%	0.92%
Circle C	1.79%	0.14%	11.15%	1.56%
Metro	0.45%	2.08%	1.26%	-0.85%
All India	0.54%	0.72%	-0.36%	0.61%

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, on monthly basis Circles of all category showed growth rate in their subscribers during the month of February, 2021. On yearly basis, all circles except circle Metro have registered growth rate in their subscriber base.
- In Wireline segment, on monthly basis circle of all categories showed growth rate in their number of wireline subscribers during the month of February, 2021. On yearly basis only Circles C and circle Metro have registered growth rate in its subscriber base.

III. Wireless subscriber

• Total wireless subscribers increased from 1,159.42 million at the end of January-21 to 1,167.71 million at the end of February-21, thereby registering a monthly growth rate of 0.72%. Wireless subscription in urban areas increased from 633.27 million at the end of January-21 to 639.24 million at the end of February-21 and wireless subscription in rural areas also increased from 526.15 million to 528.47 million during the same period. Monthly growth rates of urban and rural wireless subscription were 0.94% and 0.44% respectively.

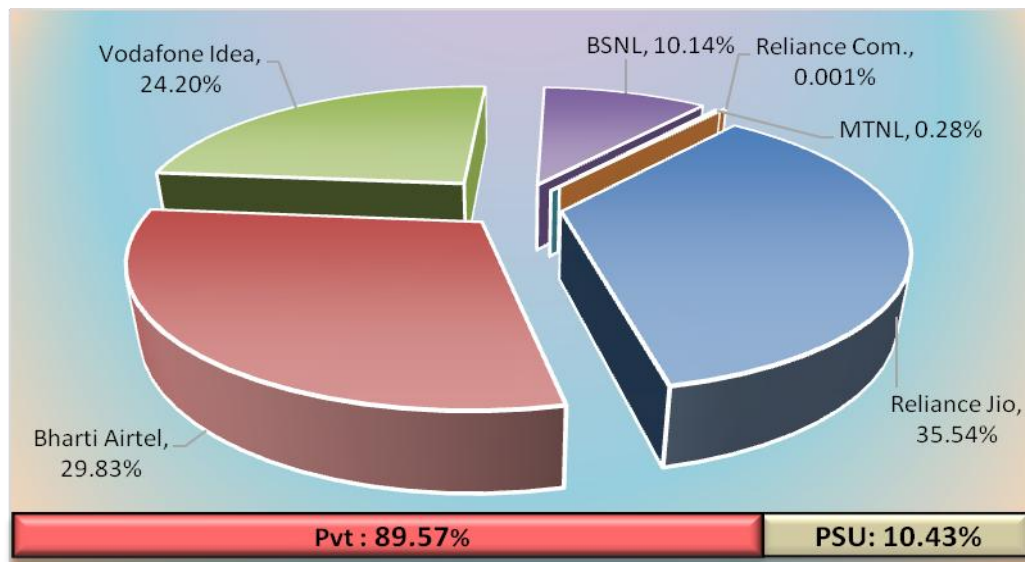


• The Wireless Tele-density in India increased from 85.24 at the end of January-21 to 85.78 at the end of February-21. The Urban Wireless Tele-density increased from 134.98 at the end of January-21 to 136.03 at the end of February-21 and Rural Tele-density also increased from 59.05 to 59.28 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.74% and 45.26% respectively at the end of February-21. Detailed statistics of

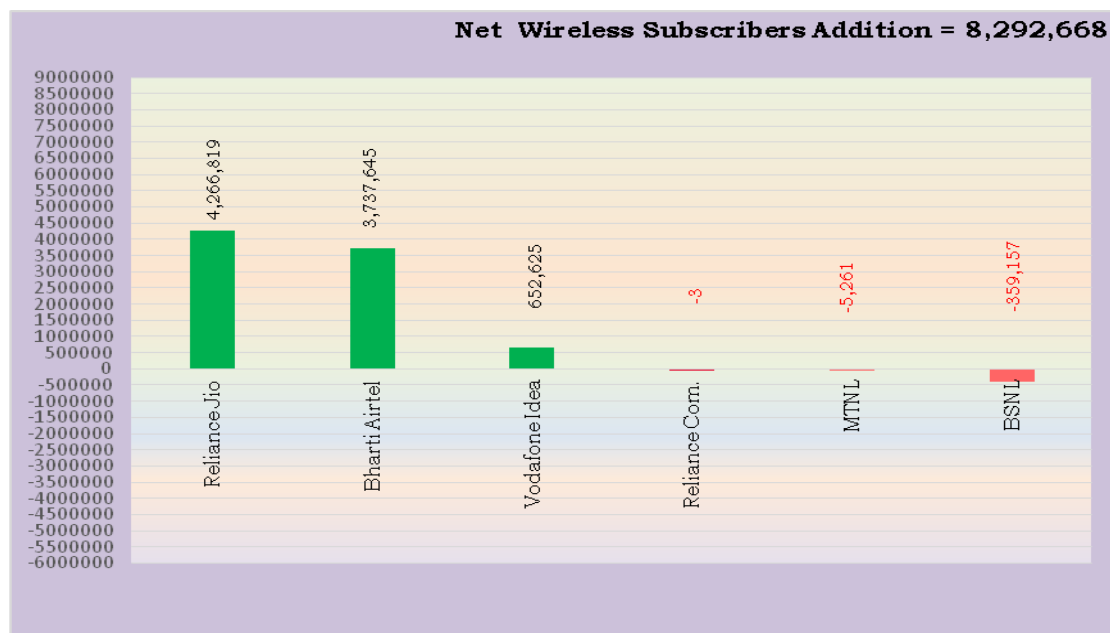
wireless subscriber base is available at **Annexure-I**.

- As on 28th February, 2021, the private access service providers held 89.57% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.43%.
- 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 28th February, 2021



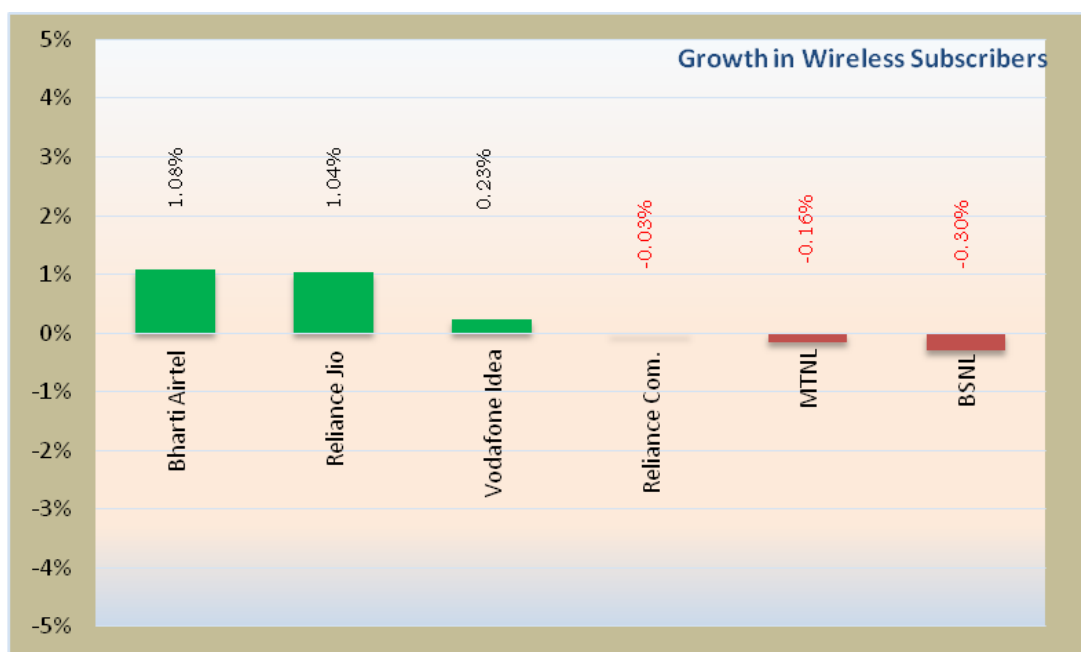
Net Additions/decline in Wireless Subscribers of Access Service Providers in the month of February 2021



- Note:**
- M/s Bharti Airtel Ltd has reported the wireless subscribers including the subscribers of M/s Tata Teleservices Ltd.
 - Virtual Network Operator (VNO) of BSNL has started reporting of its subscribers from the month of October, 2018 and the same has been included in the subscriber base of BSNL.

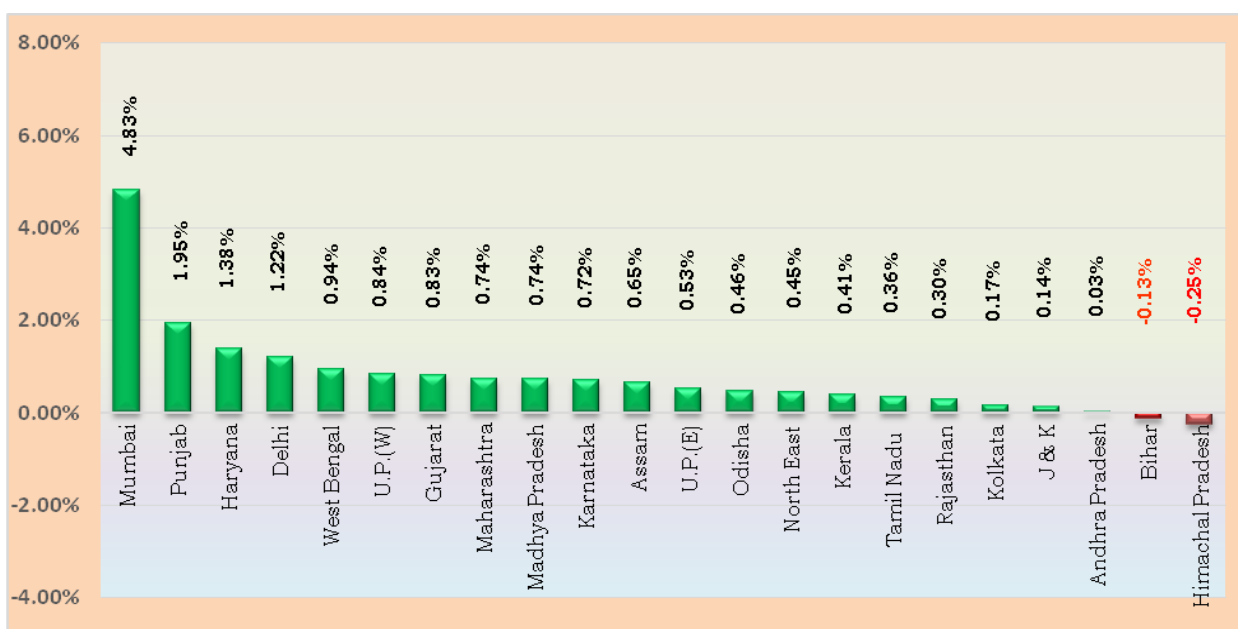
IV. Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the month of February, 2021



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

Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of February 2021

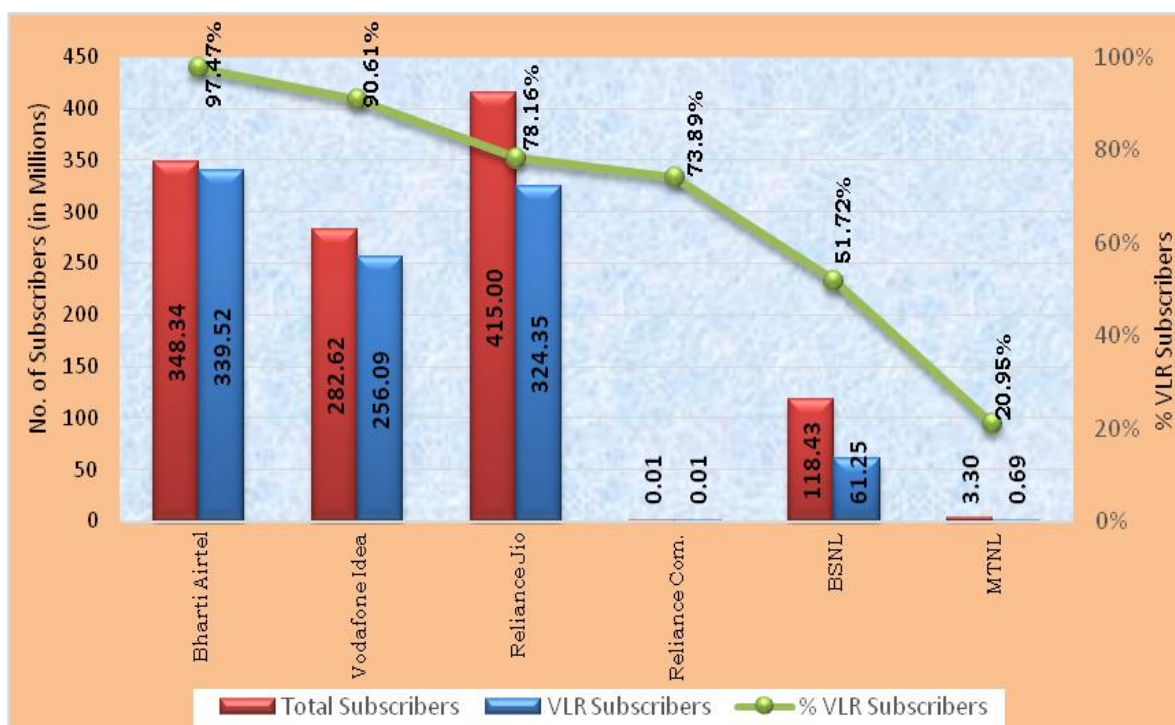


- All service areas except Bihar and Himachal Pradesh showed growth in their wireless subscribers during the month of February-21. Mumbai area showed maximum growth of 4.83% in its wireless subscriber base during the month.

V. Active Wireless Subscribers (VLR Data)

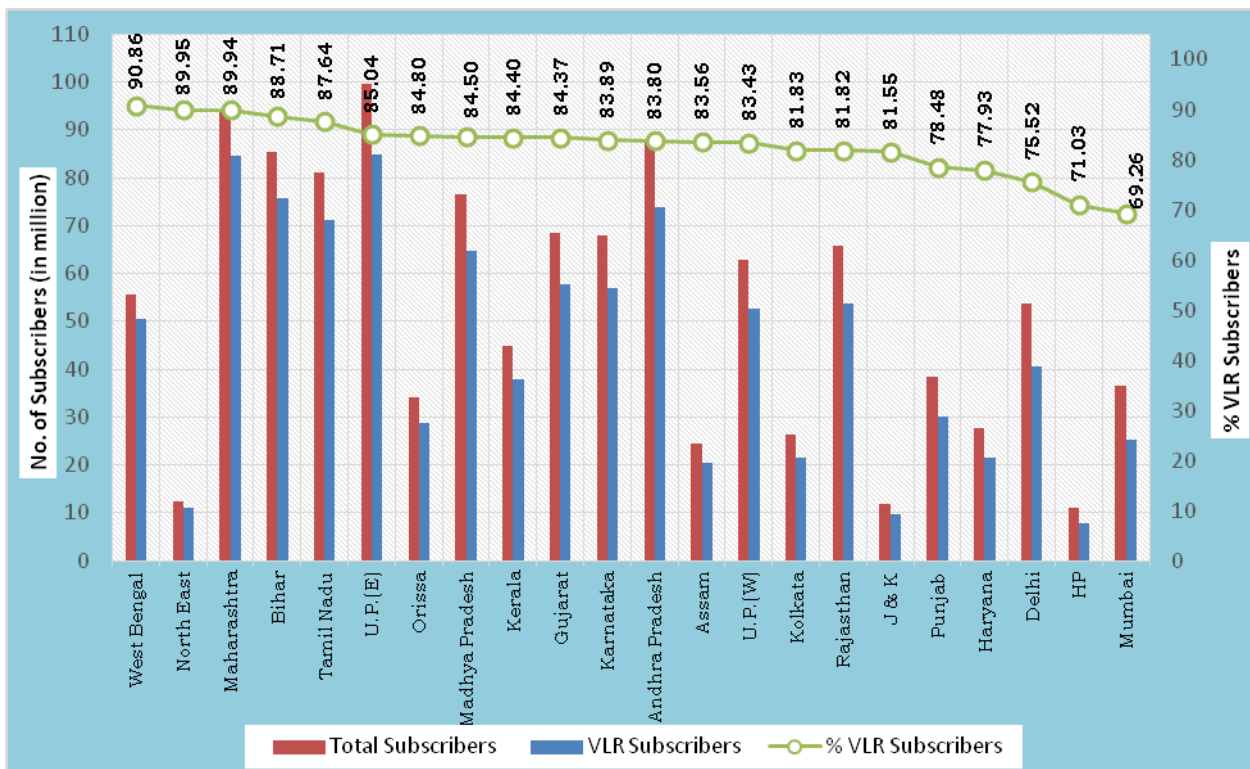
- Out of the total wireless subscribers (1,167.71 million), 981.92 million wireless subscribers were active on the date of peak VLR in the month of February-21. The proportion of active wireless subscribers was approximately 84.09% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of February-21 is available at **Annexure-II** 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 February 2021



- Bharti Airtel has the maximum proportion (97.47%) of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of February-21 and MTNL has the minimum proportion of VLR (20.95%) of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of February 2021



VI. 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 Feb-21, a total of 11.68 million requests were received for MNP. Out of total

11.68 million new requests, 6.39 million requests received from Zone-I and 5.30 million requests received from Zone-II. The cumulative MNP requests increased from 552.24 million at the end of January-21 to 563.92 million at the end of February-21, since the implementation of MNP.

- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Maharashtra (about 46.05 million) followed by

Rajasthan (about 41.57 million) service area.

- In MNP Zone-II (Southern and Eastern India), the highest

number of requests till date have been received in Karnataka (about 47.53 million) followed by Andhra Pradesh (about 45.30 million).

Service Area Wise MNP Status					
Zone - 1			Zone - 2		
Service Area	Number of Porting Requests (in Million)		Service Area	Number of Porting Requests (in Million)	
	Jan-21	Feb-21		Jan-21	Feb-21
Delhi	27.60	28.06	Andhra Pradesh	44.66	45.30
Gujarat	37.13	37.79	Assam	4.04	4.09
Haryana	19.25	19.52	Bihar	24.41	25.36
Himachal Pradesh	2.65	2.69	Karnataka	47.00	47.53
Jammu & Kashmir	1.29	1.30	Kerala	14.89	15.16
Maharashtra	44.94	46.05	Kolkata	12.28	12.43
Mumbai	25.09	25.27	Madhya Pradesh	38.63	39.80
Punjab	21.33	21.63	North East	1.53	1.55
Rajasthan	40.82	41.57	Orissa	10.79	11.05
U.P.(East)	34.59	36.13	Tamil Nadu	44.02	44.50
U.P.(West)	27.94	29.01	West Bengal	27.35	28.15
Total	282.63	289.02	Total	269.61	274.91
Total (Zone-1 + Zone-2)				552.24	563.92
Net Addition (February 2021)			11.68 million		

VII. Wireline Subscribers

- Wireline subscribers increased from 20.08 million at the end of January-21 to 20.19 million at the end of February-21. Net increase in the wireline subscriber base was 0.11 million with a monthly growth rate of 0.54%. The share of urban and rural subscribers in total wireline subscribers were 91.52%

and 8.48% respectively at the end of February, 2021.

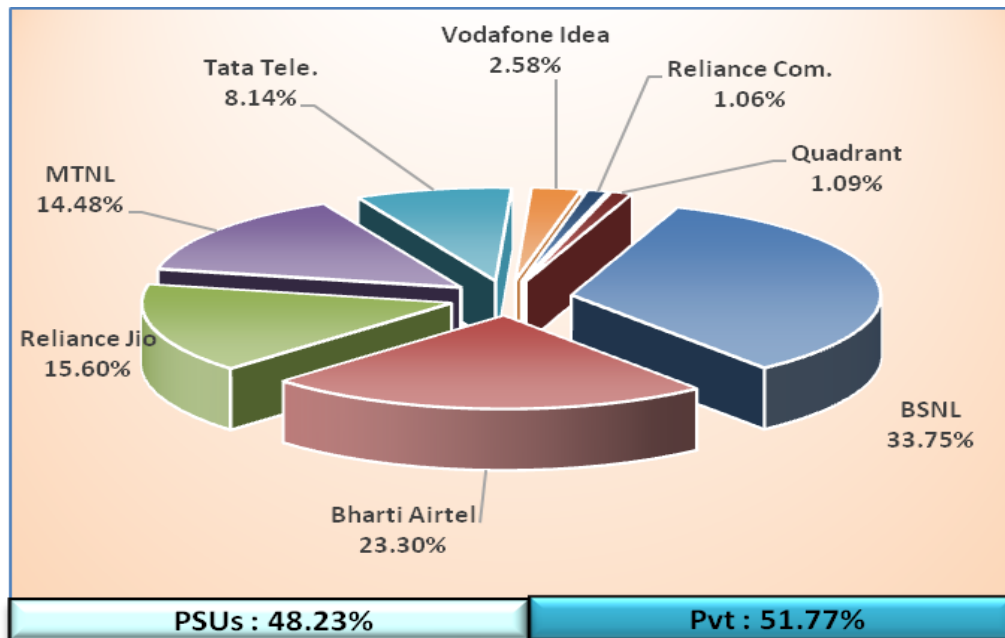
- The Overall Wireline Tele-density in February-21 remained same i.e. 1.48% as it was in the month of January-21. Urban and Rural Wireline Tele-density were 3.93%

and 0.19% respectively during the same period.

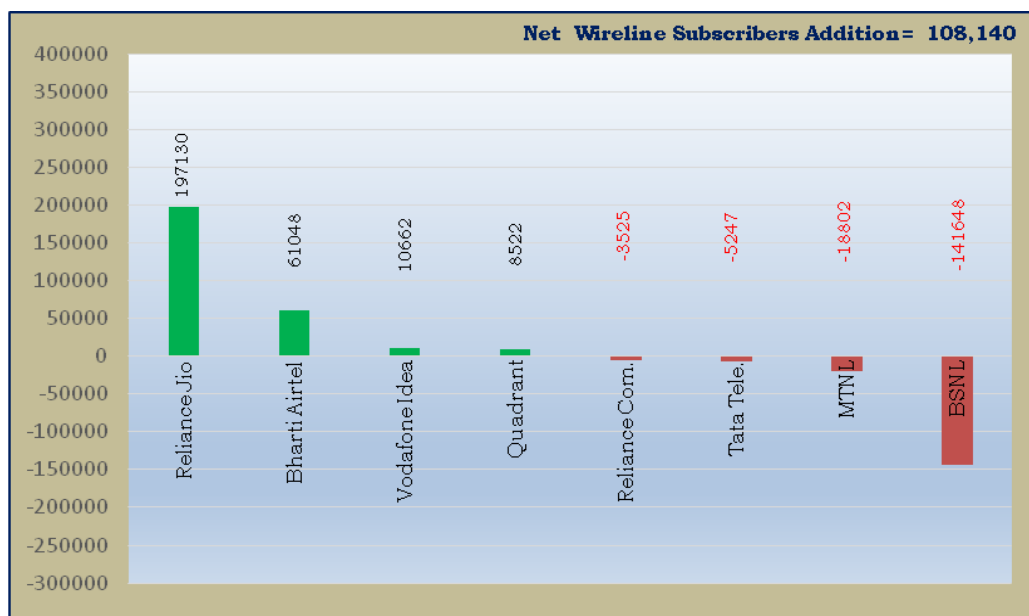
- o BSNL and MTNL, the two PSU access service providers, held

48.23% of the wireline market share as on 28th February 2021. Detailed statistics of wireline subscriber base are available at **Annexure-III.**

Access Service Provider-wise Market Share of Wireline Subscribers as on 28th February 2021



Access Service Provider-wise Net Additions/Decline in Wireline Subscribers during the month of February, 2021



VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from 402 operators in the month of February, 2021, the number of broadband subscribers increased from 757.61 million at the end of January-21 to 765.09 million at the end of February-21 with a monthly growth rate of 0.99%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of February 2021

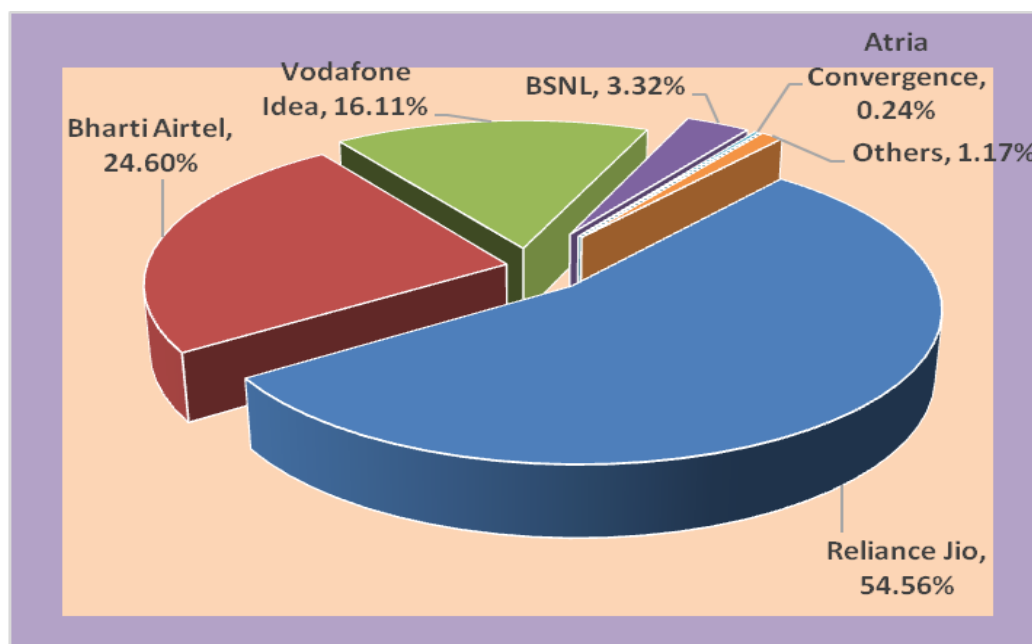
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of February-21
	As on 31 st January, 2021	As on 28 th February, 2021	
Wired subscribers	22.67	22.26	-1.85%
Mobile devices users (Phones and dongles)	734.26	742.19	1.08%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.67	0.65	-3.57%
Total	757.61	765.09	0.99%

- Top five service providers constituted 98.83% market share of the total broadband subscribers at the end of February-21. These service providers were Reliance Jio Infocomm Ltd (417.42 million), Bharti Airtel (188.21 million), Vodafone Idea (123.28 million), BSNL (25.42 million) and Atria Convergence (1.82 million).

Note: Some wireless service providers exclude incidental data users from their subscriber base, based on minimum usage decided by them.

- 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 28th February 2021**



- As on 28th February, 2021, the top five Wired Broadband Service providers were BSNL (6.82 million), Bharti Airtel (2.99 million), Reliance Jio Infocomm Ltd (2.43 million), Atria Convergence Technologies (1.82 million) and Hathway Cable & Datacom (1.07 million).
- As on 28th February, 2021, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd (415 million), Bharti Airtel (185.22 million), Vodafone Idea (123.27 million), BSNL (18.60 million) and Tikona Infinet Ltd. (0.31 million).

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Wireless Subscriber Base

Annexure-I

Circle	Bharti Airtel (including Tata Tele.)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	
Andhra Pradesh	30958572	31031131	1129	1129	16008882	15818541	9670048	9662168					31403139	31551417	88041770	88064386	22616
Assam	9035945	9100301			3288855	3235350	2981556	3009116					8971781	9092078	24278137	24436845	158708
Bihar	35720188	35605997	176	176	12241896	12122243	5969667	5882003					31548147	31754296	85480074	85364715	-115359
Delhi	16121509	16185271	511	511	15528840	15856412					2166582	2165334	19214651	19470227	53032093	53677755	645662
Gujarat	11647275	11986907	196	196	25004003	25082556	5893532	5898496					25492329	25631164	68037335	68599319	561984
Haryana	5170560	5386412	86	86	8058043	8118660	5025030	5061363					8935245	8998423	27188964	27564944	375980
Himachal Pradesh	3383829	3341977	96	96	703989	683441	3019555	3013128					4046636	4087620	11154105	11126262	-27843
J & K	5643053	5594198	0	0	506733	497391	1261114	1263252					4521120	4593889	11932020	11948730	16710
Karnataka	30005365	30393391	1893	1891	9213164	9179916	7258275	7232679					20968240	21123209	67446937	67931086	484149
Kerala	6601014	6725494	479	479	17350822	17282799	10930697	10927773					9932427	10060424	44815439	44996969	181530
Kolkata	6004324	5918026	28	28	6869490	6872486	2529115	2492335					10890982	11055992	26293939	26338867	44928
Madhya Pradesh	14969682	15239572	509	509	21410910	21393666	6299899	6258650					33365519	33716180	76046519	76608577	562058
Maharashtra	18223807	18857112	453	453	32621591	32290387	6912662	6868164					35611070	36046728	93369583	94062844	693261
Mumbai	10026117	10025049	924	924	8909782	10472239					1142739	1138726	14813619	14941853	34893181	36578791	1685610
North East	5403782	5374480	0	0	1452373	1428357	1321953	1373933					4113142	4170356	12291250	12347126	55876
Odisha	11046137	11113045	217	217	2482295	2417391	6462896	6427012					13862531	14053194	33854076	34010859	156783
Punjab	10862007	11537940	349	349	8624256	8628408	5857811	5791161					12416478	12540321	37760901	38498179	737278
Rajasthan	21931602	21809479	320	319	12169474	12239089	6378797	6392508					25142465	25377992	65622658	65819387	196729
Tamil Nadu	26500719	26568948	936	936	19013534	19078428	10988625	10886270	95953	97884			24332815	24588139	80932582	81220605	288023
U.P.(E)	34021335	34698177	422	422	23249651	22916343	11622958	11555798					30358695	30607236	99253061	99777976	524915
U.P.(W)	16082476	16596231	262	262	20088352	19945229	5859397	5814474					20430786	20629748	62461273	62985944	524671
West Bengal	15241724	15249529	943	943	17175245	17065473	2453789	2526005					20358321	20906471	55230022	55748421	518399
Total	344601022	348338667	9929	9926	281972180	282624805	118697376	118336288	95953	97884	3309321	3304060	410730138	414996957	1159415919	1167708587	8292668
Net Addition		3737645		-3		652625		-361088		1931		-5261		4266819	0	8292668	
Rural Subscribers	162757172	164886315	0	0	151709028	150140922	37900055	37798661	0	0	45282	45255	173737644	175594997	526149181	528466150	2316969

Note: 1. The subscribers of M/s Bharti Airtel includes subscribers of M/s Tata Teleservices Ltd.

2. Virtual Network Operator (VNO) of BSNL has reported its subscriber number from the month of October, 2018.

Proportion of VLR on the date of Peak VLR in the month of February-21 (%)							Annexure-II
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	96.76	58.73	92.03		102.30	74.60	83.80
Assam	99.35	47.23	90.92		-	77.15	83.56
Bihar	95.47	48.01	86.96		97.46	89.33	88.71
Delhi	92.76		79.38	12.94	78.06	65.00	75.52
Gujarat	100.76	47.55	93.02		78.06	76.71	84.37
Haryana	109.08	35.79	93.73		70.93	68.72	77.93
Himachal Pradesh	99.28	35.32	100.75		32.29	69.29	71.03
J & K	93.06	56.20	86.11		-	74.01	81.55
Karnataka	93.95	51.86	90.63		75.94	77.45	83.89
Kerala	100.49	65.90	94.52		49.69	76.34	84.40
Kolkata	94.51	43.97	87.43		-	80.09	81.83
Madhya Pradesh	95.71	45.34	87.04		70.14	85.08	84.50
Maharashtra	104.13	58.31	93.96		100.66	84.95	89.94
Mumbai	78.14		83.22	36.18	98.27	56.03	69.26
North East	102.28	65.54	87.96		-	82.79	89.95
Orissa	100.20	60.57	92.23		24.88	82.43	84.80
Punjab	102.63	41.27	92.71		39.83	63.65	78.48
Rajasthan	97.20	45.11	92.67		49.84	72.60	81.82
Tamil Nadu	95.98	66.65	93.93		127.99	83.13	87.64
U.P. (E)	100.17	36.64	89.56		45.02	82.78	85.04
U.P. (W)	104.35	43.69	88.45		12.60	72.96	83.43
West Bengal	96.76	74.79	94.67		20.68	85.38	90.86
Total	97.47	51.72	90.61	20.95	73.89	78.16	84.09

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.

Wireline Subscriber Base																	Annexure-III		
Service Area	BSNL		MTNL		Bharti Airtel		Reliance Com.		Tata Tele.		Quadrant		Vodafone Idea		Reliance Jio		Total		Net Addition
	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	Jan-21	Feb-21	
Andhra Pradesh	581463	569252			250880	255015	22652	22522	161211	159764			54390	54390	310301	332909	1380897	1393852	12955
Assam	83931	82846											3420	3420	40647	44042	127998	130308	2310
Bihar	130246	129507					20	20	7349	7353			1770	1770	81321	90851	220706	229501	8795
Delhi			1330306	1323967	1525123	1541281	35635	34968	139601	139643			68204	68294	235832	250723	3334701	3358876	24175
Gujarat	503687	489127			118288	120160	4706	4700	80893	80591			35222	35792	222795	231532	965591	961902	-3689
Haryana	132687	129408			29638	30828	3	3	36110	35840			360	360	110098	112464	308896	308903	7
Himachal Pradesh	77857	76575					3	3	1713	1706			30	30	9187	10122	88790	88436	-354
J & K	90051	87797					0	0	0	0			0	0	72006	76648	162057	164445	2388
Karnataka	751153	730480			801596	802874	27657	27048	259026	258465			90802	97552	220394	251652	2150628	2168071	17443
Kerala	1094760	1057548			65595	66490	5614	5724	19076	19066			6460	7490	64031	68879	1255536	1225197	-30339
Kolkata	325996	320102			147433	149702	7943	7169	46236	46673			12460	13460	125663	128335	665731	665441	-290
Madhya Pradesh	268413	263061			263389	267522	5	5	11284	11233			3645	3645	157873	169731	704609	715197	10588
Maharashtra	779282	785288			147133	152521	12778	12621	227835	226790			29008	29008	86980	91439	1283016	1297667	14651
Mumbai			1611240	1598777	388879	396086	67297	65962	491608	490990			122520	123672	361714	375543	3043258	3051030	7772
North East	70241	68088											270	270	28764	31543	99275	99901	626
Odisha	151607	149969					6	6	8133	8078			6330	6510	40538	44467	206614	209030	2416
Punjab	236365	231578			146859	149815	2248	1993	12533	12464	210929	219451	2280	2280	86630	89704	697844	707285	9441
Rajasthan	258557	252667			75111	77253	4697	4605	11590	11796			8490	8490	104406	110559	462851	465370	2519
Tamil Nadu	893370	870785			558208	565496	26365	26765	120406	118979			38560	38420	247563	263382	1884472	1883827	-645
U.P.(E)	173268	171291			77908	79694	23	23	7609	7551			19790	19820	121980	131839	400578	410218	9640
U.P.(W)	151245	147246			47044	49395	8	8	4442	4407			5780	5780	176242	190827	384761	397663	12902
West Bengal	200969	200885					13	3	2309	2328			120	120	46273	51177	249684	254513	4829
Total	6955148	6813500	2941546	2922744	4643084	4704132	217673	214148	1648964	1643717	210929	219451	509911	520573	2951238	3148368	20078493	20186633	108140
Net Addition		-141648		-18802		61048		-3525		-5247		8522		10662		197130		108140	
Rural Subscribers	1664392	1621689	0	0	0	0	180	180	40446	40259	29114	28628	0	0	19387	21435	1753519	1712191	-41328

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.