

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 23<sup>rd</sup> August, 2021  
(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 30<sup>th</sup> June, 2021**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
<b>Total Telephone Subscribers</b> (Million)	<b>1180.83</b>	<b>21.74</b>	<b>1202.57</b>
Net Addition in June, 2021 (Million)	3.99	0.07	4.06
Monthly Growth Rate	0.34%	0.33%	0.34%
<b>Urban Telephone Subscribers</b> (Million)	<b>646.29</b>	<b>19.80</b>	<b>666.10</b>
Net Addition in June, 2021 (Million)	4.81	0.10	4.91
Monthly Growth Rate	0.75%	0.52%	0.74%
<b>Rural Telephone Subscribers</b> (Million)	<b>534.54</b>	<b>1.93</b>	<b>536.47</b>
Net Addition in June, 2021 (Million)	-0.82	-0.03	-0.85
Monthly Growth Rate	-0.15%	-1.59%	-0.16%
<b>Overall Tele-density* (%)</b>	<b>86.48%</b>	<b>1.59%</b>	<b>88.07%</b>
Urban Tele-density* (%)	136.67%	4.19%	140.86%
Rural Tele-density* (%)	59.89%	0.22%	60.10%
Share of Urban Subscribers	54.73%	91.11%	55.39%
Share of Rural Subscribers	45.27%	8.89%	44.61%
<b>Broadband Subscribers</b> (Million)	<b>769.26</b>	<b>23.52</b>	<b>792.78</b>

- ❖ In the month of June, 2021, 12.27 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 593.61 million at the end of May-21 to 605.88 million at the end of Jun-21, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR<sup>#</sup>) in June, 2021 was 984.79 million.

**Note:**

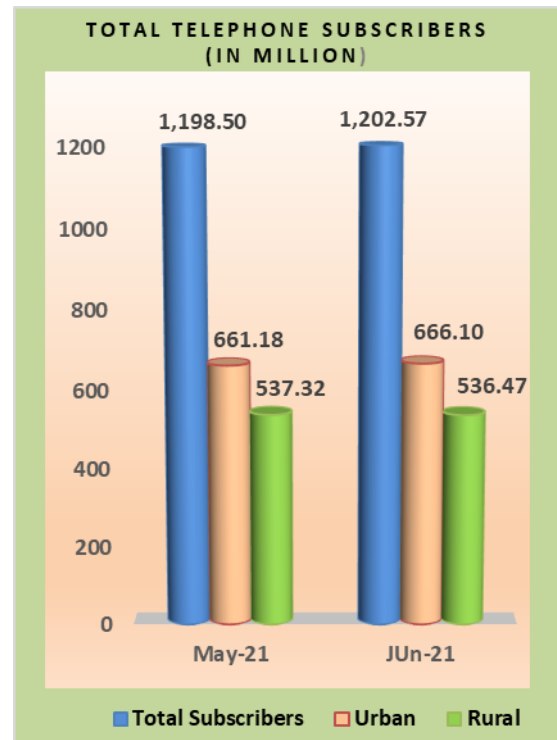
- Information in this Press Release is based on the data provided by the Service Providers

\* 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](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.

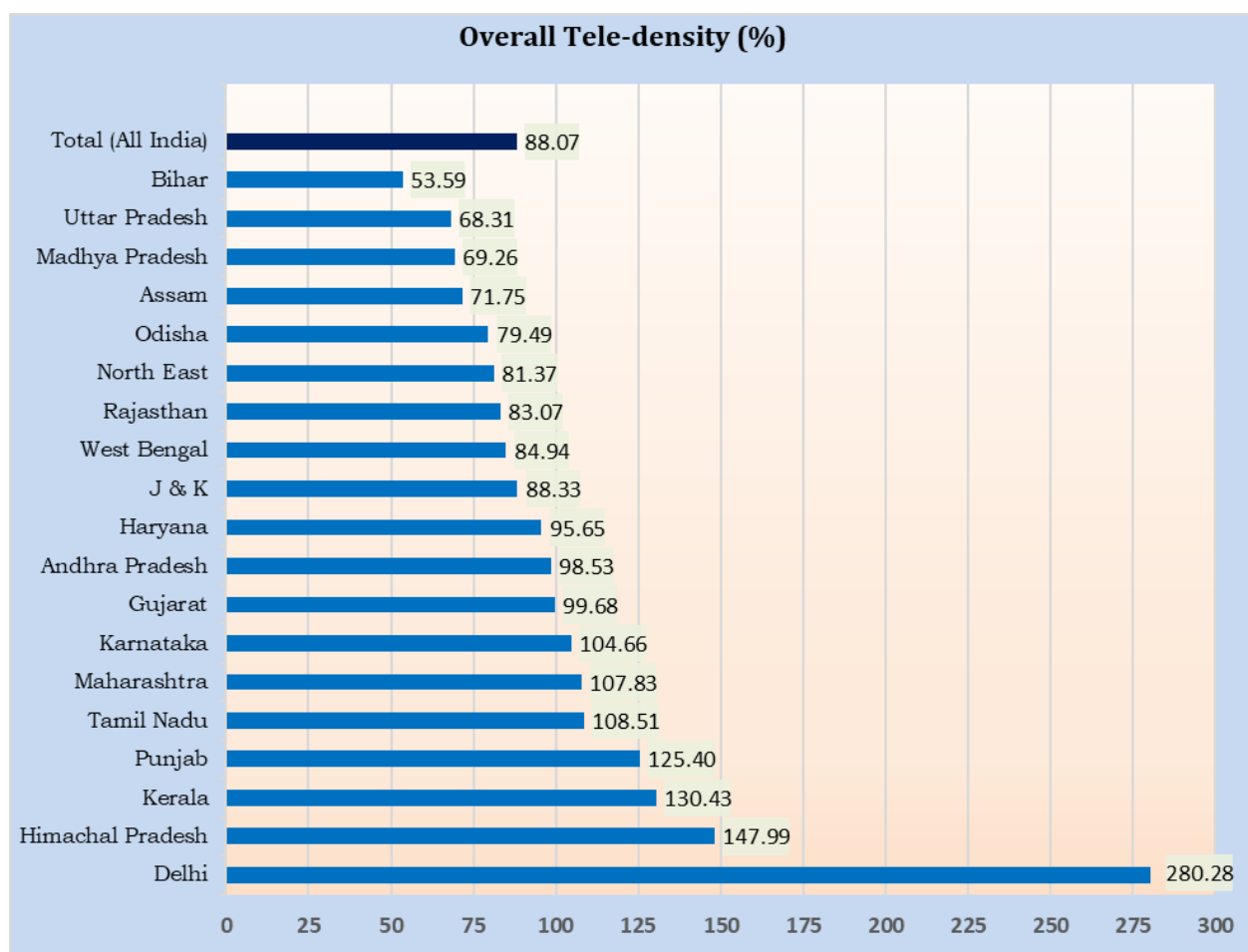
## I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,198.50 million at the end of May-21 to 1,202.57 million at the end of June-21, thereby showing a monthly growth rate of 0.34%. Urban telephone subscription increased from 661.18 million at the end of May-21 to 666.10 million at the end of Jun-21, however, the rural subscription decreased from 537.32 million to 536.47 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.74% and -0.16% respectively during the month of June-21.



- The overall Tele-density in India increased from 87.84% at the end of May-21 to 88.07% at the end of Jun-21. The Urban Tele-density increased from 140.04% at the end of May-21 to 140.86% at the end of Jun-21, however Rural Tele-density decreased from 60.22% to 60.10% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of June-21 was 55.39% and 44.61% respectively.

## Overall Tele-density (LSA Wise) – As on 30<sup>th</sup> June, 2021



- 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 June-21. Delhi service area has maximum tele-density of 280.28% and the Bihar service area has minimum tele-density of 53.59% at the end of June-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, which is available under the link [https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload\\_compressed\\_0.pdf](https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf)
- 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 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.

## II. Category-wise Growth in subscriber base

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

Circle Category	Net additions in the month of June, 2021		Telephone Subscriber base as on 30 <sup>th</sup> June, 2021	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-3,307	925,047	8,277,175	402,720,796
Circle B	13,511	1,750,257	4,915,163	478,410,559
Circle C	30,876	899,680	1,213,025	181,761,634
Metro	30,592	417,033	7,330,594	117,938,387
<b>All India</b>	<b>71,672</b>	<b>3,992,017</b>	<b>21,735,957</b>	<b>1,180,831,376</b>

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

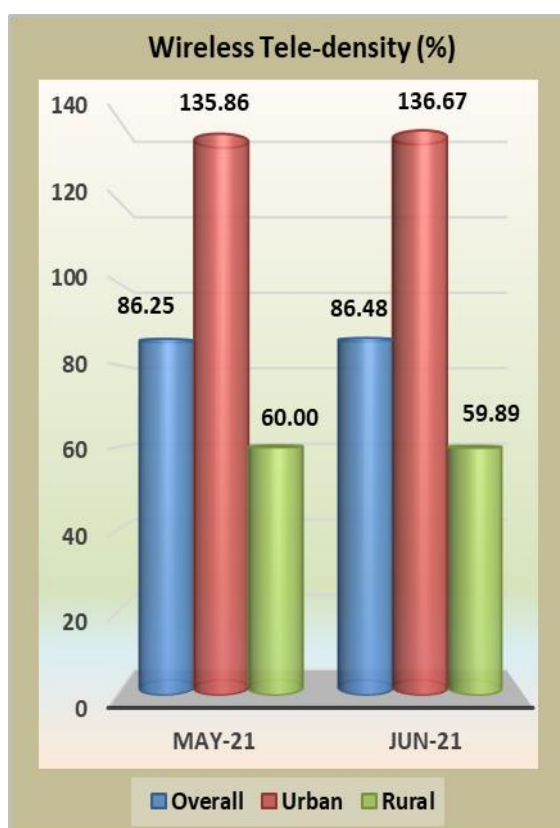
Circle Category	Monthly growth rate (%) (May-21 to June-21)		Yearly growth rate (%) (June-20 to June-21)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.04%	0.23%	8.01%	3.48%
Circle B	0.28%	0.37%	11.31%	3.30%
Circle C	2.61%	0.50%	47.05%	4.14%
Metro	0.42%	0.35%	6.14%	3.58%
<b>All India</b>	<b>0.33%</b>	<b>0.34%</b>	<b>9.72%</b>	<b>3.52%</b>

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 and yearly basis Circles of all categories have registered growth rate in their subscriber base.
- In Wireline segment, on monthly basis except Circle 'A', circle of all categories showed growth rate in their number of wireline subscribers during the month of June, 2021. On yearly basis, Circles of all categories have registered growth rate in their subscriber base.

### III. Wireless subscriber

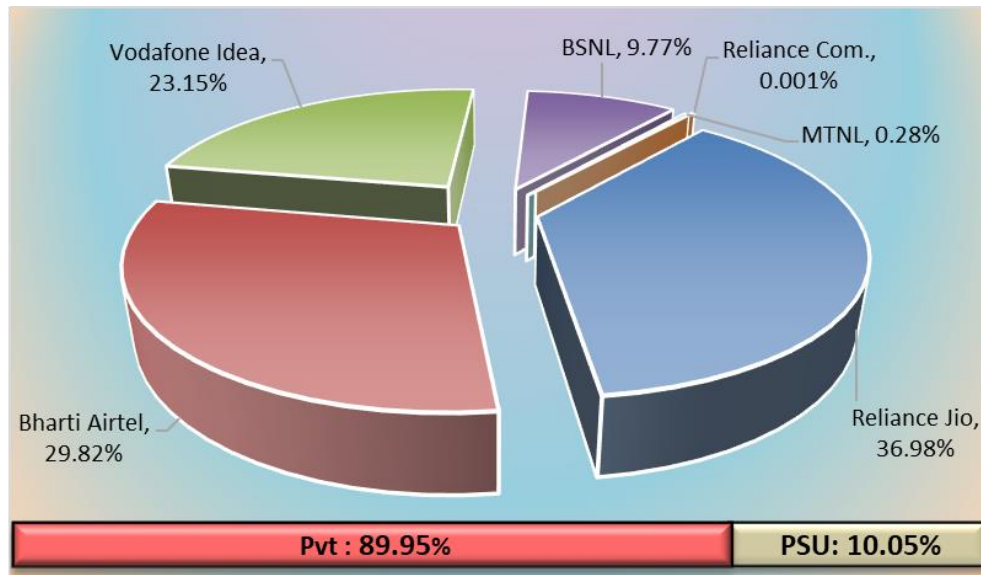
• Total wireless subscribers increased from 1,176.84 million at the end of May-21 to 1,180.83 million at the end of June-21, thereby registering a monthly growth rate of 0.34%. Wireless subscription in urban areas increased from 641.48 million at the end of May-21 to 646.29 million at the end of June-21 however, wireless subscription in rural areas decreased from 535.36 million to 534.54 million during the same period. Monthly growth rates of urban and rural wireless subscription were 0.75% and -0.15% respectively.



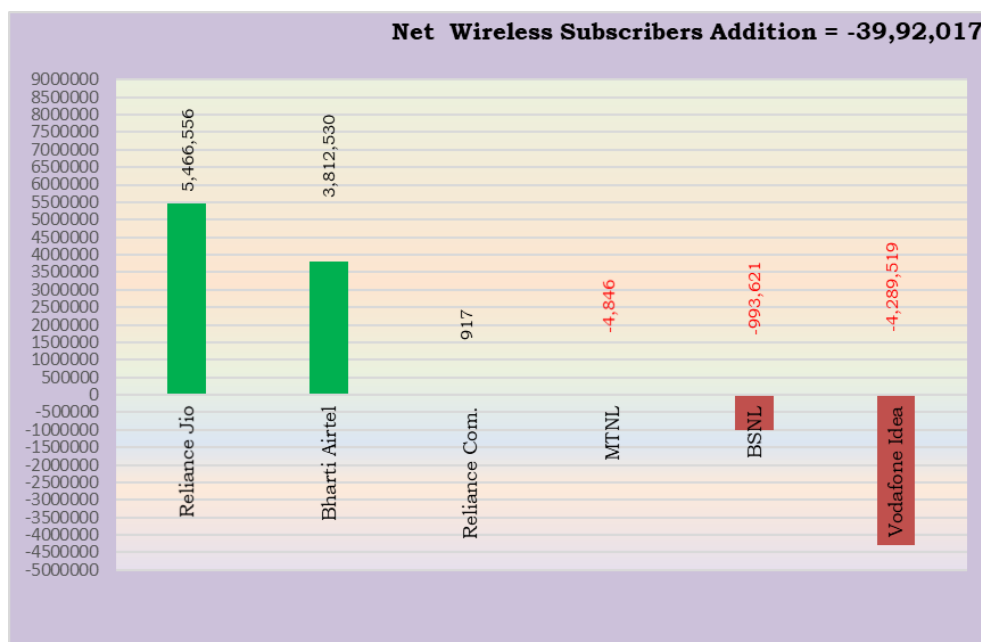
• The Wireless Tele-density in India increased from 86.25% at the end of May-21 to 86.48% at the end of June-21. The Urban Wireless Tele-density increased from 135.86% at the end of May-21 to 136.67% at the end of June-21 however, Rural Tele-density decreased from 60% to 59.89% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.73% and 45.27% respectively at the end of June-21. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 30<sup>th</sup> June, 2021, the private access service providers held 89.95% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.05%.
- 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 30<sup>th</sup> June, 2021**



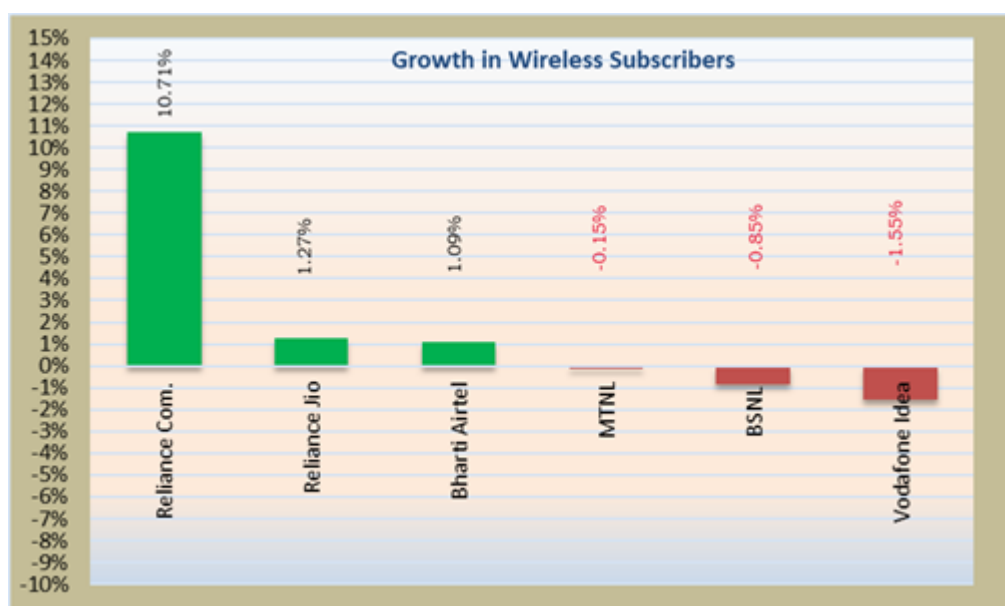
**Net Additions/decline in Wireless Subscribers of Access Service Providers in the month of June, 2021**



- 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.

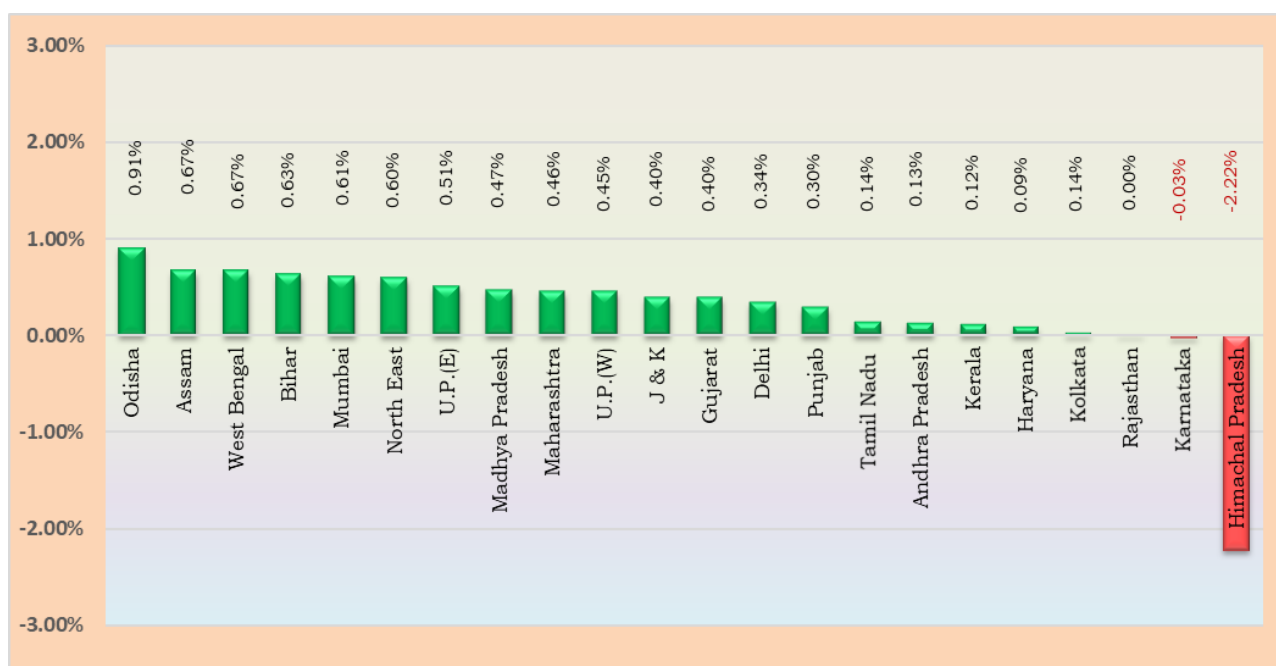
#### IV. Growth in Wireless Subscribers

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



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

##### Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of June, 2021

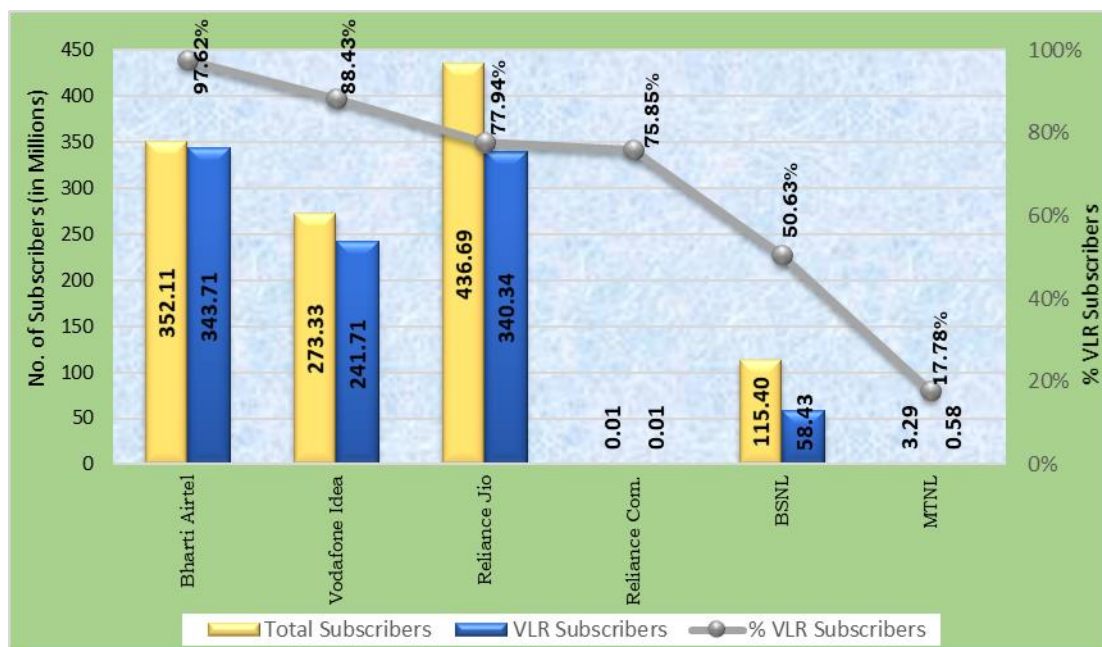


- Except Karnataka and Himachal Pradesh, all service areas showed growth in their wireless subscribers during the month of June-21.

## V. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscribers (1,180.83 million), 984.79 million wireless subscribers were active on the date of peak VLR in the month of June-21. The proportion of active wireless subscribers was approximately 83.40% 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 June-21 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

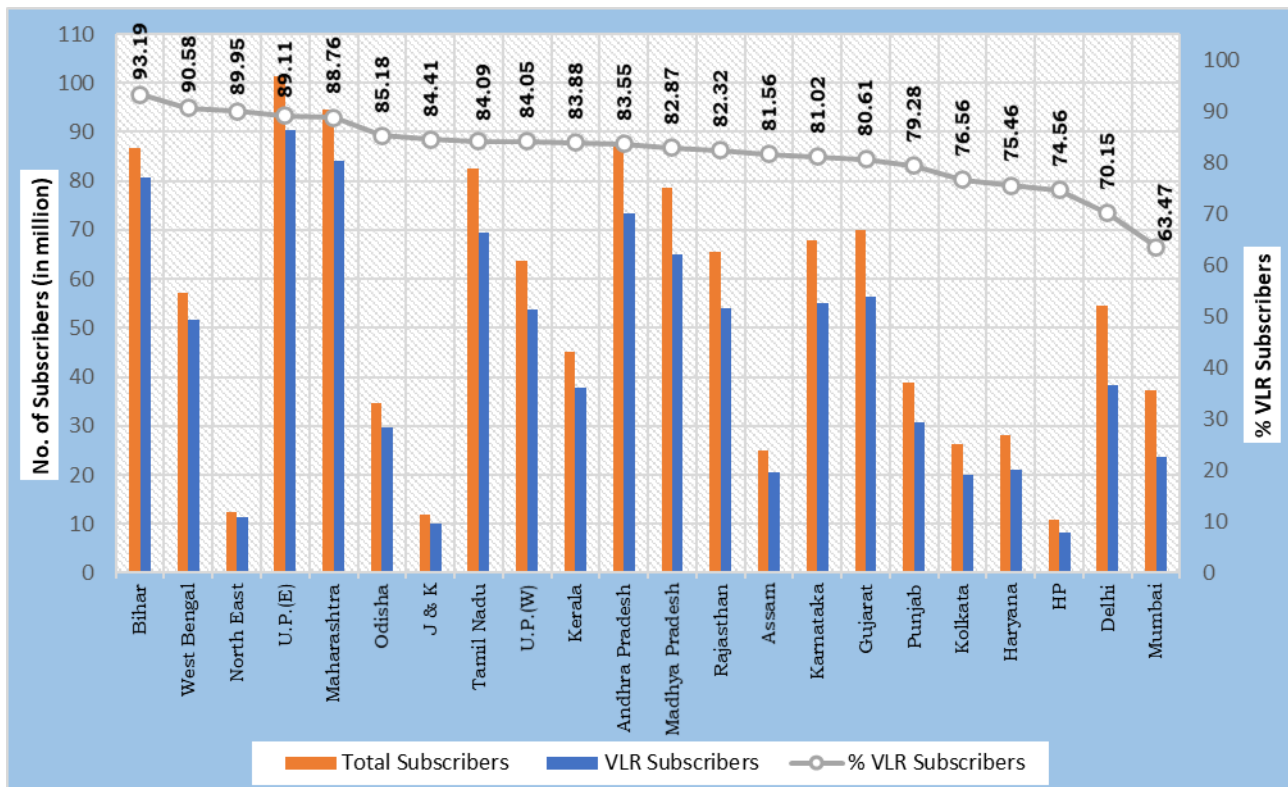
**Access Service Provider-wise Percentage of VLR Subscribers in the month of June, 2021**



- Bharti Airtel has the maximum proportion (97.62%) of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of June-21 and MTNL has the minimum proportion of VLR (17.78%) of its HLR during the same period.



### Service Area wise percentage of VLR Subscribers in the month of June, 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 June-21, a total of 12.27 million requests were received for MNP. Out of total 12.27 million new requests, 7.31 million requests received from Zone-I and 4.95 million requests received from Zone-II. The cumulative MNP requests increased from 593.61 million at the end of May-21 to 605.88 million at the end of June-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 49.68 million) followed by Rajasthan (about 44.09 million) service area.

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 49.04 million) followed by Andhra Pradesh (about 47.16 million).

<b>Service Area Wise MNP Status</b>					
<b>Zone - 1</b>			<b>Zone - 2</b>		
<b>Service Area</b>	<b>Number of Porting Requests (in Million)</b>		<b>Service Area</b>	<b>Number of Porting Requests (in Million)</b>	
	<b>May-21</b>	<b>June-21</b>		<b>May-21</b>	<b>June-21</b>
Delhi	29.25	29.74	Andhra Pradesh	46.69	47.16
Gujarat	39.69	40.61	Assam	4.23	4.27
Haryana	20.27	20.54	Bihar	27.72	28.68
Himachal Pradesh	2.79	2.83	Karnataka	48.66	49.04
Jammu & Kashmir	1.34	1.35	Kerala	15.72	16.07
Maharashtra	48.57	49.68	Kolkata	12.81	12.94
Mumbai	25.75	25.93	Madhya Pradesh	42.25	43.37
Punjab	22.61	22.93	North East	1.59	1.60
Rajasthan	43.37	44.09	Odisha	11.66	11.85
U.P.(East)	40.21	41.99	Tamil Nadu	45.62	45.98
U.P.(West)	32.34	33.82	West Bengal	30.47	31.43
<b>Total</b>	<b>306.19</b>	<b>313.50</b>	<b>Total</b>	<b>287.42</b>	<b>292.38</b>
<b>Total (Zone-1 + Zone-2)</b>				<b>593.61</b>	<b>605.88</b>
<b>Net Addition (June, 2021)</b>			<b>12.27 million</b>		

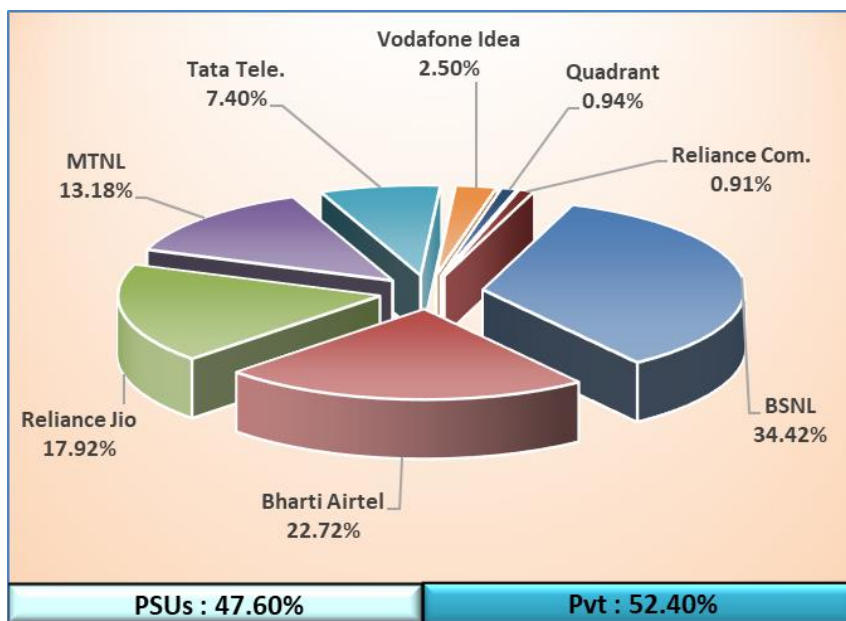
## VII. Wireline Subscribers

- Wireline subscribers increased from 21.66 million at the end of May-21 to 21.74 million at the end of June-21. Net increase in the wireline subscriber base was 0.07 million with a monthly growth rate of 0.33%. The share of urban and rural subscribers in total wireline subscribers were 91.11% and 8.89% respectively at the end of June, 2021.
- The Overall Wireline Tele-density in India, at the end of Jun-21, remained same i.e. 1.59%, as was at the end of May-21. Urban and Rural Wireline Tele-density were 4.19% and 0.22% respectively during the same period.

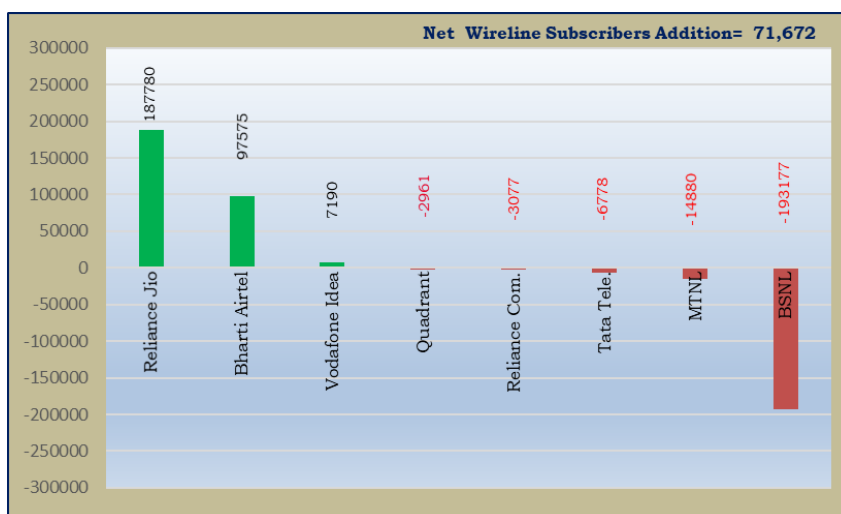
- BSNL and MTNL, the two PSU access service providers, held 47.60% of the wireline market share as on 30<sup>th</sup> June, 2021.

Detailed statistics of wireline subscriber base are available at **Annexure-III.**

**Access Service Provider-wise Market Share of Wireline Subscribers as on 30<sup>th</sup> June, 2021**



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



### VIII. Broadband ( $\geq$ 512 Kbps download)

- As per the reports received from 440 operators in the month of June, 2021, the number of broadband subscribers increased from 780.27 million at the end of May-21 to 792.78 million at the end of June-21 with a monthly growth rate of 1.60%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

#### Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of June, 2021

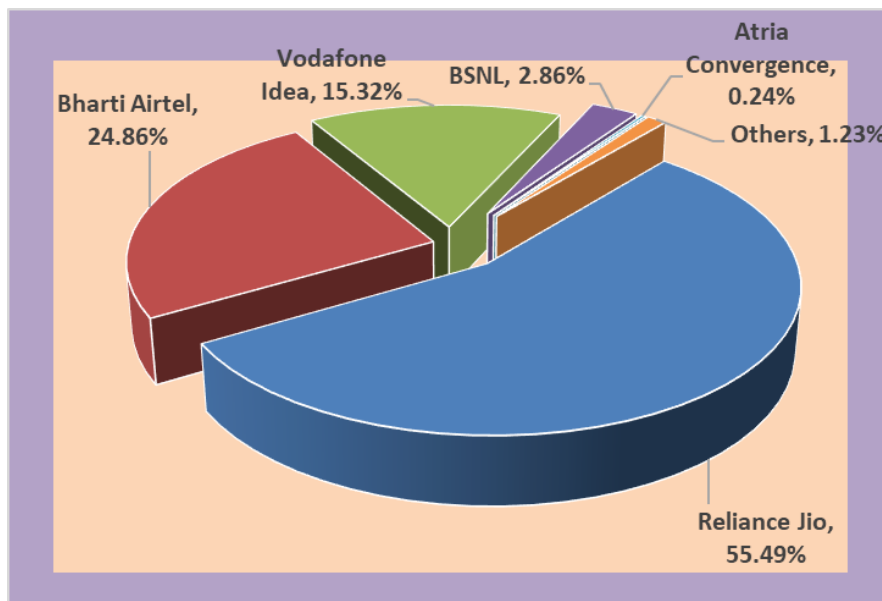
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of June-21
	As on 31 <sup>st</sup> May, 2021	As on 30 <sup>th</sup> June, 2021	
Wired subscribers	22.74	23.52	3.42%
Mobile devices users (Phones and dongles)	756.88	768.61	1.55%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.65	0.65	0.21%
<b>Total</b>	<b>780.27</b>	<b>792.78</b>	<b>1.60%</b>

- Top five service providers constituted 98.77% market share of the total broadband subscribers at the end of June-21. These service providers were Reliance Jio Infocomm Ltd (439.91 million), Bharti Airtel (197.10 million), Vodafone Idea (121.42 million), BSNL (22.69 million) and Atria Convergence (1.91 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 30<sup>th</sup> June 2021**



- As on 30<sup>th</sup> June, 2021, the top five Wired Broadband Service providers were BSNL (6.03 million), Bharti Airtel (3.37 million), Reliance Jio Infocomm Ltd (3.22 million), Atria Convergence Technologies (1.91 million) and Hathway Cable & Datacom (1.06 million).

- As on 30<sup>th</sup> June, 2021, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd (436.69 million), Bharti Airtel (193.74 million), Vodafone Idea (121.41 million), BSNL (16.67 million) and Tikona Infinet Ltd. (0.31 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 Fax: 011-23235249  
E-mail: advfea2@traf.gov.in

**(V. Raghunandan)  
Secretary, TRAI**

**Wireless Subscriber Base**

**Annexure-I**

Circle	Bharti Airtel (including Tata)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	
Andhra Pradesh	30910121	31207814	938	936	15315444	15084844	9192651	9140635					32146712	32245396	<b>87565866</b>	<b>87679625</b>	113759
Assam	9255195	9396665			3129613	3060431	3057755	3065743					9450522	9538264	<b>24893085</b>	<b>25061103</b>	168018
Bihar	35665088	36148989	153	145	11662759	11303641	5736135	5645664					33067494	33575643	<b>86131629</b>	<b>86674082</b>	542453
Delhi	16130132	16216300	440	440	15978312	15925885					2160035	2159136	19981390	20132835	<b>54250309</b>	<b>54434596</b>	184287
Gujarat	12011680	12109206	189	189	25022251	24784722	5891951	5767026					26797458	27341384	<b>69723529</b>	<b>70002527</b>	278998
Haryana	5506028	5563549	71	71	8226254	8085635	5010614	4981792					9272994	9409915	<b>28015961</b>	<b>28040962</b>	25001
Himachal Pradesh	3258052	3289031	96	96	646962	631358	2995317	2683988					4201402	4250862	<b>11101829</b>	<b>10855335</b>	-246494
J & K	5459282	5503692	0	0	484944	473157	1272874	1269448					4647452	4665785	<b>11864552</b>	<b>11912082</b>	47530
Karnataka	29978857	30184161	1744	1739	8849389	8564344	7156832	7145249					21847733	21921576	<b>67834555</b>	<b>67817069</b>	-17486
Kerala	6724552	6838692	444	430	17021822	16732881	10896006	10838814					10395303	10680602	<b>45038127</b>	<b>45091419</b>	53292
Kolkata	5733488	5774553	27	27	6621148	6535798	2466608	2404595					11438926	11551066	<b>26260197</b>	<b>26266039</b>	5842
Madhya Pradesh	15261811	15407691	337	270	21110885	20855780	6200881	6108851					35538446	36109079	<b>78112360</b>	<b>78481671</b>	369311
Maharashtra	19097058	19373348	332	320	31283854	30711593	6743800	6748783					37069773	37793654	<b>94194817</b>	<b>94627698</b>	432881
Mumbai	9548361	9609501	814	1962	11106524	11155817					1130785	1126838	15224364	15343634	<b>37010848</b>	<b>37237752</b>	226904
North East	5363803	5415783	0	0	1348960	1325196	1369472	1367453					4335591	4383650	<b>12417826</b>	<b>12492082</b>	74256
Odisha	11047738	11160980	191	191	2253847	2189554	6409243	6421333					14742014	14994892	<b>34453033</b>	<b>34766950</b>	313917
Punjab	11426774	11518485	338	335	8609759	8501752	5505616	5425005					13240912	13452454	<b>38783399</b>	<b>38898031</b>	114632
Rajasthan	21519647	21740227	295	284	11973038	11776030	6170809	6051660					25886616	25984290	<b>65550405</b>	<b>65552491</b>	2086
Tamil Nadu	27017998	27217937	673	610	19014909	18652929	10659589	10789760	51054	51076			25732759	25881565	<b>82476982</b>	<b>82593877</b>	116895
U.P.(E)	35216994	35771527	319	297	21949776	21345731	11260414	11204795					32473715	33094058	<b>100901218</b>	<b>101416408</b>	515190
U.P.(W)	17009243	17319169	250	227	19183593	19084492	5796235	5748559					21516605	21641370	<b>63505926</b>	<b>63793817</b>	287891
West Bengal	15155590	15342722	911	910	16827402	16550356	2551036	2541042					22217967	22700730	<b>56752906</b>	<b>57135760</b>	382854
<b>Total</b>	<b>348297492</b>	<b>352110022</b>	<b>8562</b>	<b>9479</b>	<b>277621445</b>	<b>273331926</b>	<b>116343838</b>	<b>115350195</b>	<b>51054</b>	<b>51076</b>	<b>3290820</b>	<b>3285974</b>	<b>431226148</b>	<b>436692704</b>	<b>1176839359</b>	<b>1180831376</b>	<b>3992017</b>
<b>Net Addition</b>		<b>3812530</b>		<b>917</b>		<b>-4289519</b>		<b>-993643</b>		<b>22</b>		<b>-4846</b>		<b>5466556</b>	0	<b>3992017</b>	
<b>Rural Subscribers</b>	172497615	171728397	0	0	142210565	139608331	37094370	36630876	0	0	45145	45126	183509862	186524950	535357557	534537680	-819877

**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.

<b>Proportion of VLR on the date of Peak VLR in the month of June-21 (%)</b>							<b>Annexure-II</b>
<b>Circle</b>	<b>Bharti</b>	<b>BSNL</b>	<b>Vodafone Idea</b>	<b>MTNL</b>	<b>Reliance Com.</b>	<b>Reliance Jio</b>	<b>Total</b>
<b>Andhra Pradesh</b>	97.62	58.99	89.12		117.31	74.29	<b>83.55</b>
<b>Assam</b>	99.29	45.80	87.83		-	73.56	<b>81.56</b>
<b>Bihar</b>	99.32	47.37	89.39		109.32	95.57	<b>93.19</b>
<b>Delhi</b>	87.34		69.43	10.48	79.89	63.28	<b>70.15</b>
<b>Gujarat</b>	95.84	45.55	89.34		79.89	73.35	<b>80.61</b>
<b>Haryana</b>	108.41	34.11	88.65		78.87	66.52	<b>75.46</b>
<b>Himachal Pradesh</b>	105.65	39.38	106.02		32.29	68.06	<b>74.56</b>
<b>J &amp; K</b>	95.83	55.14	83.90		-	78.97	<b>84.41</b>
<b>Karnataka</b>	91.99	47.71	83.47		80.85	75.83	<b>81.02</b>
<b>Kerala</b>	103.43	66.97	93.75		52.33	73.07	<b>83.88</b>
<b>Kolkata</b>	91.32	41.95	85.46		-	71.34	<b>76.56</b>
<b>Madhya Pradesh</b>	95.79	43.50	84.69		122.59	82.96	<b>82.87</b>
<b>Maharashtra</b>	101.00	56.06	94.10		134.38	83.98	<b>88.76</b>
<b>Mumbai</b>	76.29		70.95	31.75	55.71	52.33	<b>63.47</b>
<b>North East</b>	103.18	63.40	87.11		-	82.75	<b>89.95</b>
<b>Orissa</b>	99.90	58.18	91.79		24.61	84.82	<b>85.18</b>
<b>Punjab</b>	103.33	41.97	89.16		38.81	67.48	<b>79.28</b>
<b>Rajasthan</b>	97.49	43.99	89.56		51.41	75.27	<b>82.32</b>
<b>Tamil Nadu</b>	94.38	64.99	91.91		182.79	75.63	<b>84.09</b>
<b>U.P. (E)</b>	103.48	36.41	97.27		57.91	86.16	<b>89.11</b>
<b>U.P. (W)</b>	103.96	39.99	88.07		11.89	76.27	<b>84.05</b>
<b>West Bengal</b>	98.77	70.58	91.42		20.33	86.69	<b>90.58</b>
<b>Total</b>	<b>97.62</b>	<b>50.63</b>	<b>88.43</b>	<b>17.78</b>	<b>75.85</b>	<b>77.94</b>	<b>83.40</b>

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
	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	May-21	Jun-21	
Andhra Pradesh	667510	666598			280160	283986	21650	21514	157929	157413			60480	60585	405915	430973	1593644	1621069	27425
Assam	99667	100,503											3420	3450	55937	60021	159024	163974	4950
Bihar	169197	172,598					19	20	7519	7879			1740	1740	124307	138265	302782	320502	17720
Delhi			1314010	1311468	1553509	1580518	31862	31437	137656	136165			89304	91069	439849	439383	3566190	3590040	23850
Gujarat	463174	439640			125291	128028	4245	4014	79482	79571			40337	40757	248807	263360	961336	955370	-5966
Haryana	162476	159000			31850	35798	2	2	35011	35195			360	360	42631	45284	272330	275639	3309
Himachal Pradesh	87497	86867			0	0	0	0	1608	1619			30	30	14989	16705	104124	105221	1097
J & K	114091	109641			17391	17996	0	0	0	0			0	0	90849	95686	222331	223323	992
Karnataka	828621	826670			796527	805018	25552	25143	247906	245123			91642	94472	286142	295018	2276390	2291444	15054
Kerala	1196304	1159092			66923	67874	5431	5376	18856	18536			8570	8570	80093	88288	1376177	1347736	-28441
Kolkata	314803	311405			150655	151434	7553	7545	46278	46260			14990	15230	151839	159565	686118	691439	5321
Madhya Pradesh	302625	289803			272082	284282	5	5	11236	11410			2505	2535	199128	215855	787581	803890	16309
Maharashtra	819997	745862			170004	177703	12084	11941	223049	221850			27583	27793	107877	113095	1360594	1298244	-62350
Mumbai			1565053	1552715	409095	416301	62143	60712	483987	481892			109915	110665	417501	426830	3047694	3049115	1421
North East	86515	83514											330	330	42259	46431	129104	130275	1171
Odisha	191609	191356					6	6	8122	8153			6570	6570	58477	63645	264784	269730	4946
Punjab	258917	252516			159399	162000	1747	1734	12714	12702	208308	205347	2175	2235	105982	110368	749242	746902	-2340
Rajasthan	296917	284323			84644	89485	4255	4176	11732	11615			13010	13010	135440	141653	545998	544262	-1736
Tamil Nadu	1024230	1024626			580347	586977	25092	24946	117493	118144			35955	36595	305401	319760	2088518	2111048	22530
U.P.(E)	184513	176504			86020	90562	23	22	7882	8065			20580	20580	159996	170319	459014	466052	7038
U.P.(W)	182456	176413			57711	61221	8	8	4312	4313			6760	6870	162058	175279	413305	424104	10799
West Bengal	224564	225575					13	12	2313	2402			120	120	70995	78469	298005	306578	8573
<b>Total</b>	<b>7675683</b>	<b>7482506</b>	<b>2879063</b>	<b>2864183</b>	<b>4841608</b>	<b>4939183</b>	<b>201690</b>	<b>198613</b>	<b>1615085</b>	<b>1608307</b>	<b>208308</b>	<b>205347</b>	<b>536376</b>	<b>543566</b>	<b>3706472</b>	<b>3894252</b>	<b>21664285</b>	<b>21735957</b>	<b>71672</b>
<b>Net Addition</b>		<b>-193177</b>		<b>-14880</b>		<b>97575</b>		<b>-3077</b>		<b>-6778</b>		<b>-2961</b>		<b>7190</b>		<b>187780</b>		<b>71672</b>	
<b>Rural Subscribers</b>	1869204	1836351	0	0	0	0	210	210	39600	39399	27076	26350	0	0	28544	31060	1964634	1933370	-31264

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



## 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: -

<b>1</b>	<b>Total IMSI's in HLR (A)</b>
<b>2</b>	<b>Less: (B = a + b + c + d + e)</b>
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
<b>3</b>	<b>Subscribers Base (A-B)</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.