

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 26<sup>th</sup> June, 2018

(www.traigov.in)

**Highlights of Telecom Subscription Data as on 30<sup>th</sup> April, 2018**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
<b>Total Telephone Subscribers</b> (Million)	<b>1125.07</b>	<b>22.64</b>	<b>1147.71</b>
Net Addition in April, 2018 (Million)	-58.34	-0.17	-58.51
Monthly Growth Rate	-4.93%	-0.74%	-4.85%
<b>Urban Telephone Subscribers</b> (Million)	<b>624.52</b>	<b>19.34</b>	<b>643.87</b>
Net Addition in April, 2018 (Million)	-40.78	-0.09	-40.87
Monthly Growth Rate	-6.13%	-0.46%	-5.97%
<b>Rural Telephone Subscribers</b> (Million)	<b>500.55</b>	<b>3.30</b>	<b>503.84</b>
Net Addition in April, 2018 (Million)	-17.56	-0.08	-17.64
Monthly Growth Rate	-3.39%	-2.38%	-3.38%
<b>Overall Tele-density*(%)</b>	<b>86.52</b>	<b>1.74</b>	<b>88.26</b>
Urban Tele-density*(%)	151.78	4.70	156.48
Rural Tele-density*(%)	56.31	0.37	56.68
Share of Urban Subscribers	55.51%	85.43%	56.10%
Share of Rural Subscribers	44.49%	14.57%	43.90%
<b>Broadband Subscribers</b> (Million)	<b>401.82</b>	<b>17.97</b>	<b>419.79</b>

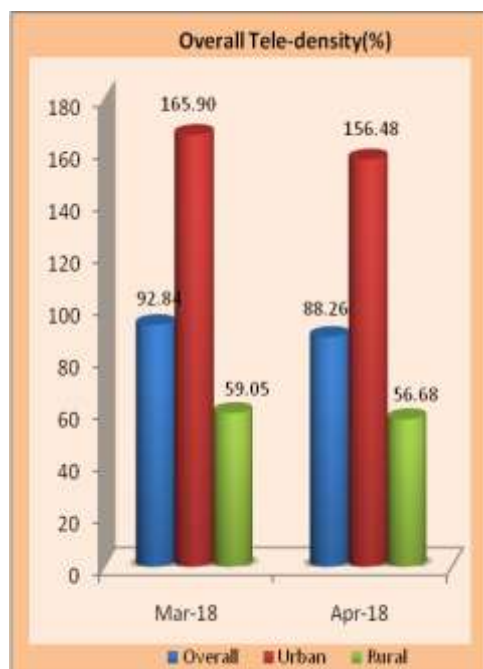
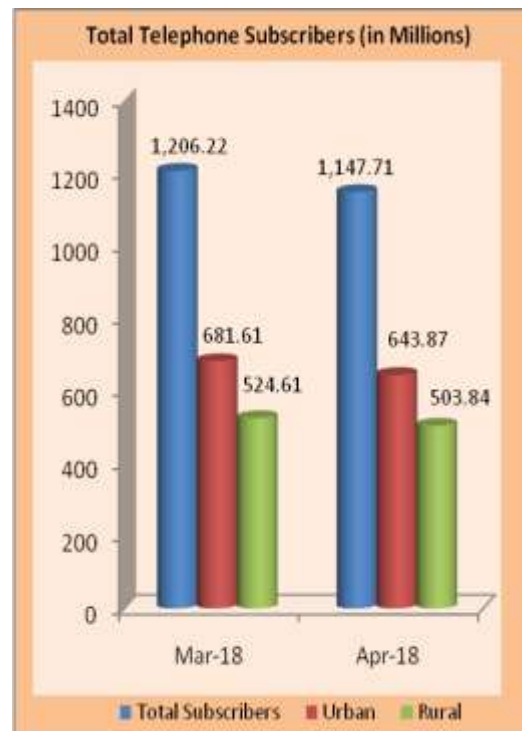
- ❖ In the month of April, 2018, 6.73 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 370.83 million at the end of Mar-18 to 377.55 million at the end of Apr-18, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR<sup>#</sup>) in April, 2018 was 1,010.58 million.

**Note:**

- Information in this Press Release is based on the data provided by the Service Providers
- \* Based on the population projections from Census data published by the Office of Registrar General & Census Commissioner of India.
- # VLR is acronym of Visitor Location Register. The dates of peak VLR for various TSPs are different in different service areas.

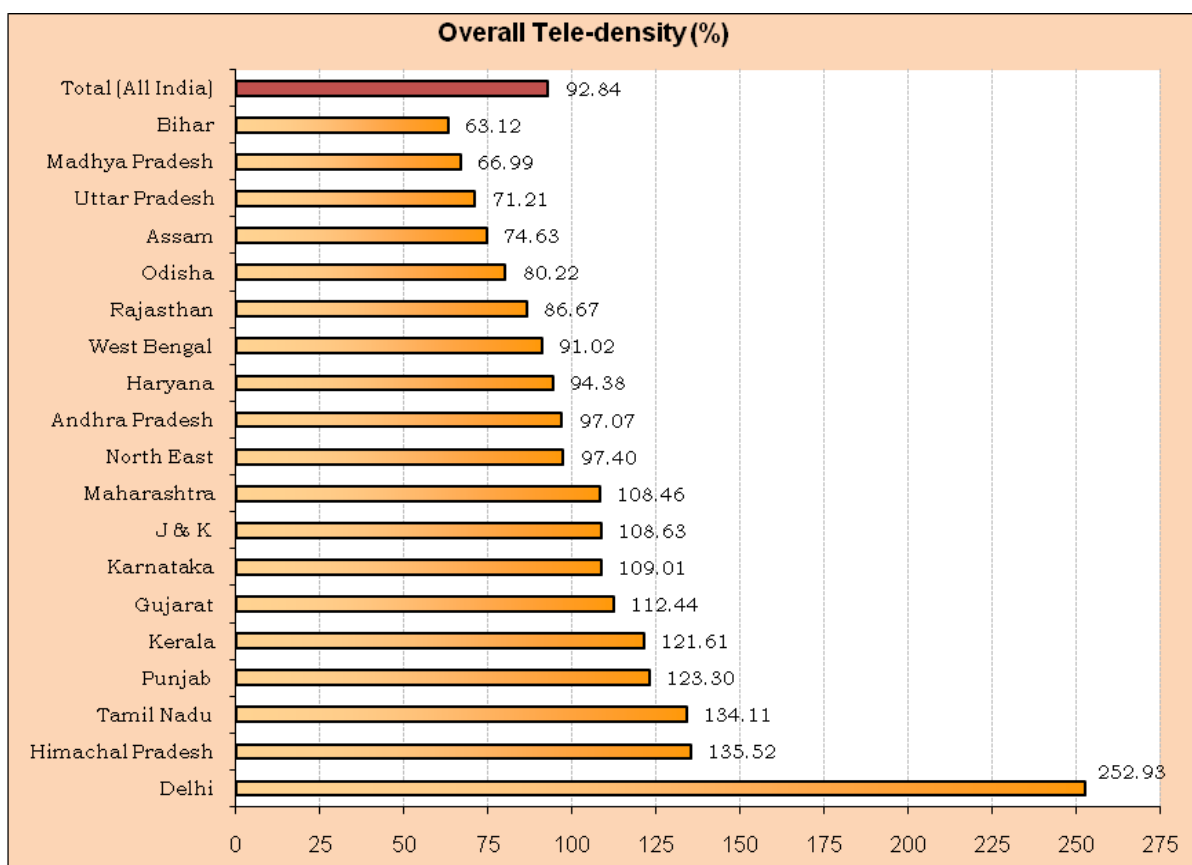
## I. Total Telephone Subscribers

- The number of telephone subscribers in India declined from 1,206.22 million at the end of Mar-18 to 1,147.71 million at the end of Apr-18, thereby showing a monthly decline rate of 4.85%. The urban subscription decline from 681.61 million at the end of Mar-18 to 643.87 million at the end of Apr-18, and the rural subscription also declined from 524.61 million to 503.84 million during the same period. The monthly growth rates of urban and rural subscription were -5.97% and -3.38% respectively during the month of Apr-18.



- The overall Tele-density in India declined from 92.84 at the end of Mar-18 to 88.26 at the end of Apr-18. The Urban Tele-density declined from 165.90 at the end of Mar-18 to 156.48 at the end of Apr-18, and Rural Tele-density also declined from 59.05 at the end of Mar-18 to 56.68 at the end of Apr-18. The share of urban and rural subscribers in total number of telephone subscribers at the end of Apr-18 was 56.10% and 43.90% respectively.

## Overall Tele-density (Circle/State Wise) – As on 30<sup>th</sup> April, 2018



### 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 projections of population published by the Office of the Registrar General & Census Commissioner, India.
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, Tamil Nadu includes Chennai 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.

## II. Category-wise Growth in subscriber base

### Circle Category-wise Net Additions in Telephone Subscribers in the month of April, 2018

Circle Category	Net additions in the month of April, 2018		Telephone Subscriber base as on 30 <sup>th</sup> April, 2018	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-85,547	-18,517,974	8,925,361	394,691,770
Circle B	-50,683	-10,095,322	5,727,330	456,999,810
Circle C	-18,207	-20,022,184	1,029,727	164,617,412
Metro	-14,590	-9,702,900	6,959,271	108,761,239
<b>All India</b>	<b>-169,027</b>	<b>-58,338,380</b>	<b>22,641,689</b>	<b>1,125,070,231</b>

### Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of April, 2018

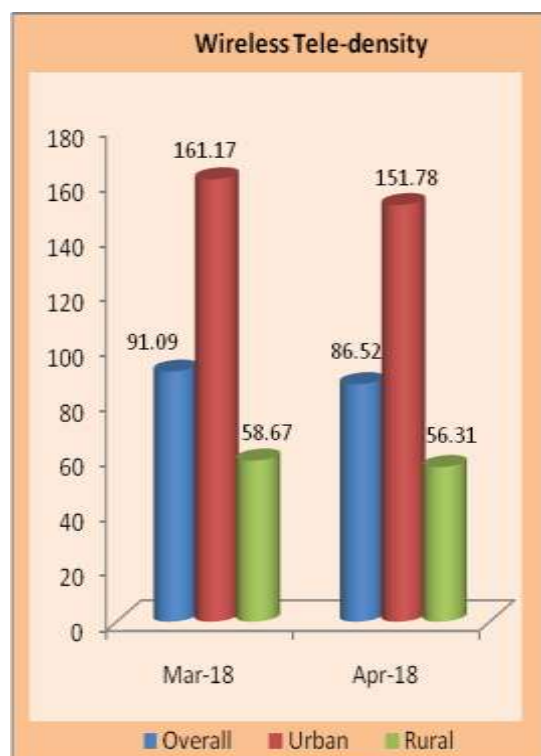
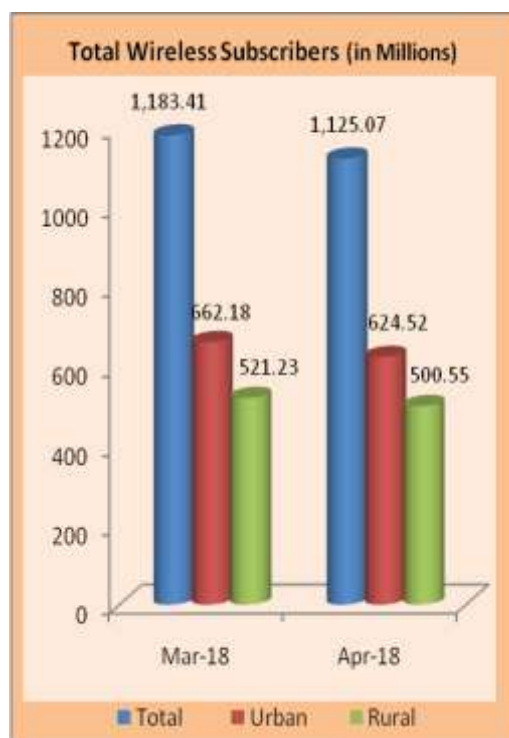
Circle Category	Monthly growth rate (%) (Mar-18 to Apr-18)		Yearly growth rate (%) (Apr-17 to Apr-18)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.95	-4.48	-7.44	-3.83
Circle B	-0.88	-2.16	-10.25	-2.40
Circle C	-1.74	-10.84	-10.18	-6.57
Metro	-0.21	-8.19	-2.34	-9.16
<b>All India</b>	<b>-0.74</b>	<b>-4.93</b>	<b>-6.81</b>	<b>-4.22</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, Circles of all categories showed negative monthly growth in subscriber base during the month of Apr-18.
- In Wireline segment also, Circles of Category-C showed negative monthly growth rate in number of wireline subscribers during the month of Apr-18.

### III. Wireless Subscribers

- Total wireless subscribers (GSM, CDMA & LTE) declined from 1,183.41 million at the end of Mar-18 to 1,125.07 million at the end of Apr-18, thereby registering a monthly decline rate of 4.93%. The Wireless subscription in urban areas declined from 662.18 million at the end of Mar-18 to 624.52 million at the end of Apr-18, and wireless subscriptions in rural areas also declined from 521.23 million to 500.55 million during the month. The monthly growth rates of urban and rural wireless subscription were -6.13% and -3.39% respectively.

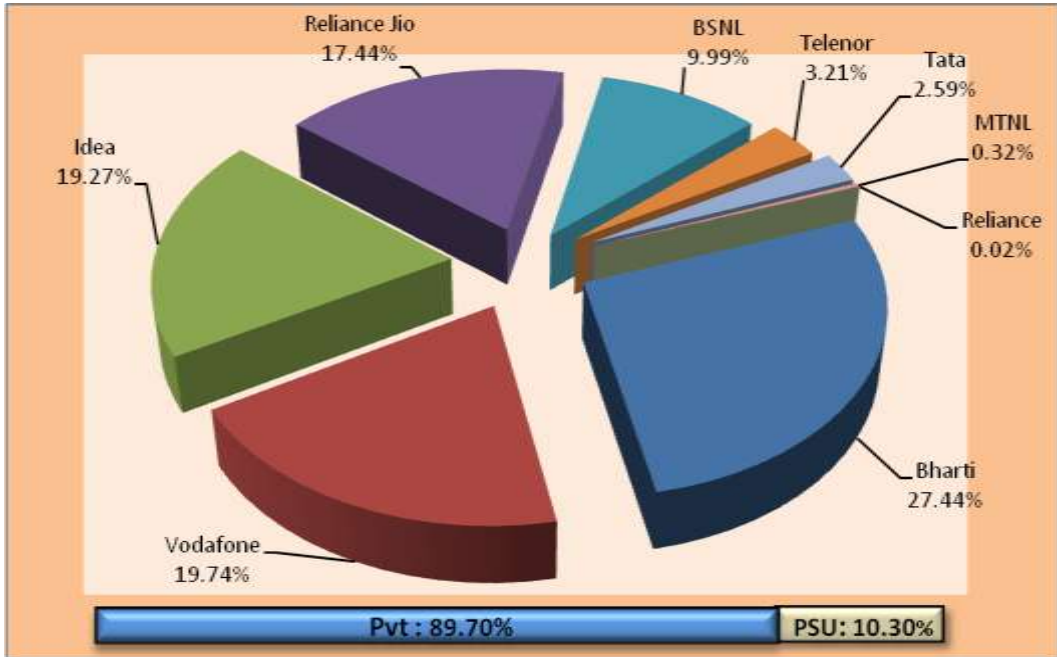


- The Wireless Tele-density in India declined from 91.09 at the end of Mar-18 to 86.52 at the end of Apr-18. The Urban Wireless Tele-density declined from 161.17 at the end of Mar-18 to 151.78 at the end of Apr-18, and Rural Wireless Tele-density also declined from 58.67 to 56.31 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 55.51% and 44.49% respectively at the end of Apr-18. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

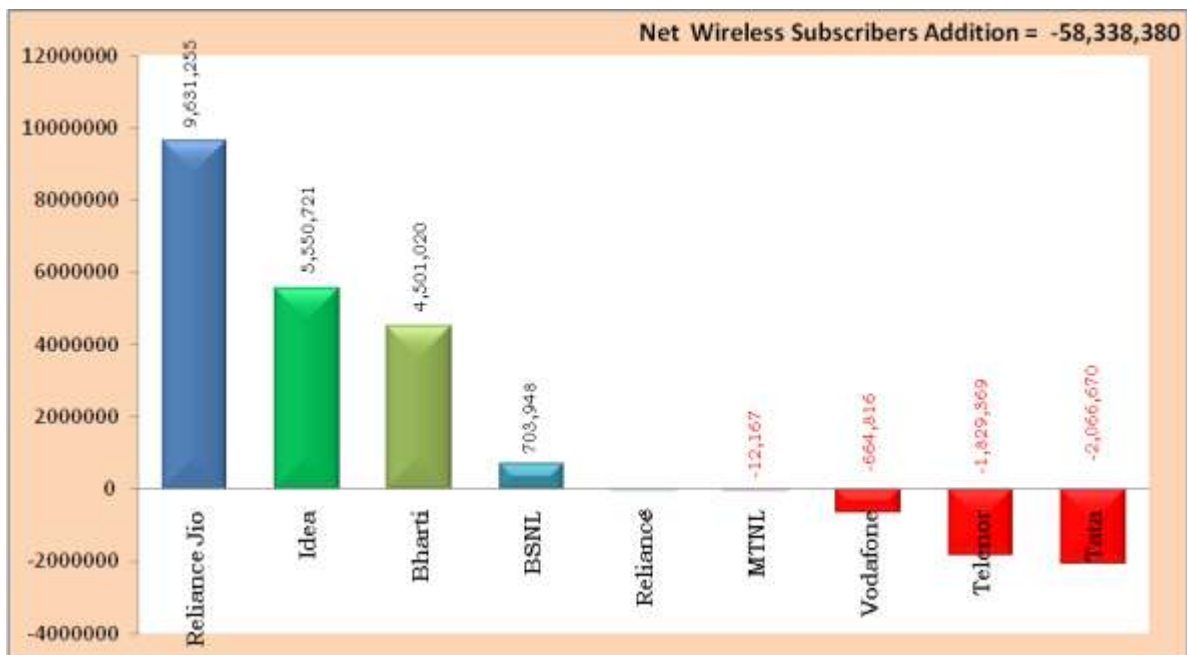
- As on 30<sup>th</sup> April, 2018, the private access service providers held 89.70% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.30%.

- 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> April, 2018**



**Net Additions in Wireless Subscribers of Access Service Providers in the Month of April, 2018**

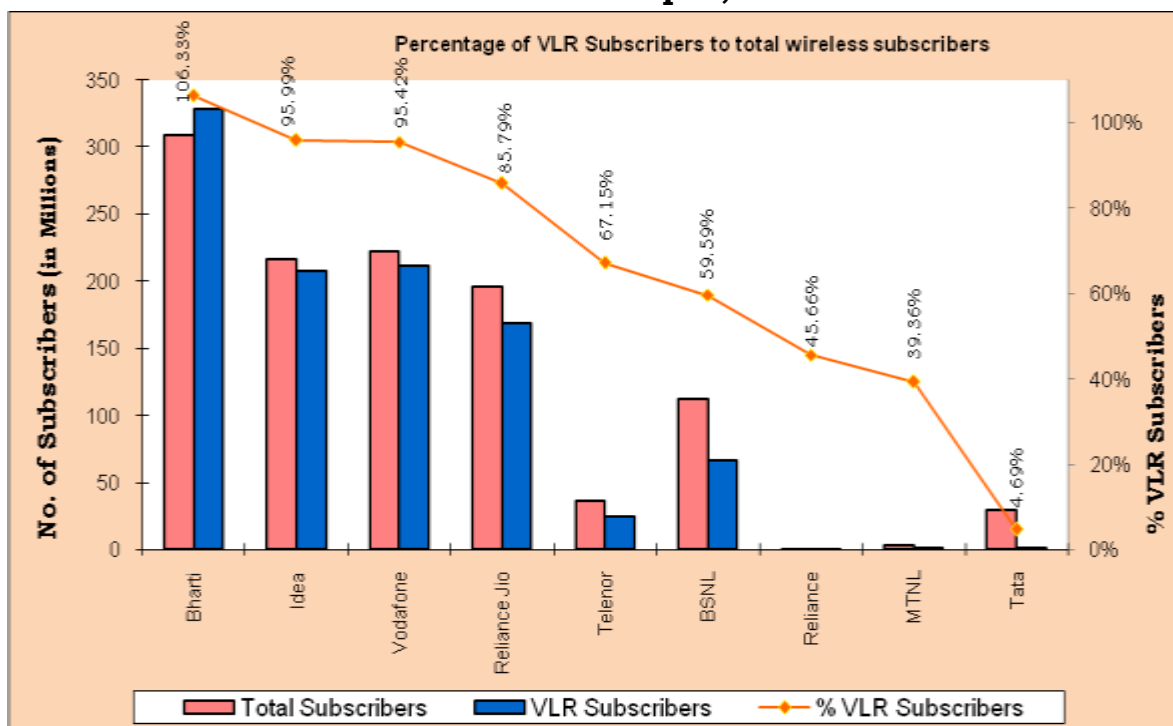


- Note:**
- On noticing that while reporting number of subscribers, some of the TSPs were deducting inactive subscribers. A Direction was issued on 18<sup>th</sup> August 2017 to TSPs to strictly adhere to the Department of Telecommunications' methodology for reporting their number of subscribers. However, some of the Telecom Service Providers are yet to comply with the Direction.
  - M/s Aircel Ltd has not reported their subscriber base for the month of April, 2018 due to closure of services.

#### IV. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscribers (1,125.07 million), 1,010.58 million wireless subscribers were active on the date of peak VLR in the month of Apr-18. The proportion of active wireless subscribers was approximately 89.82% 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 Apr-18 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

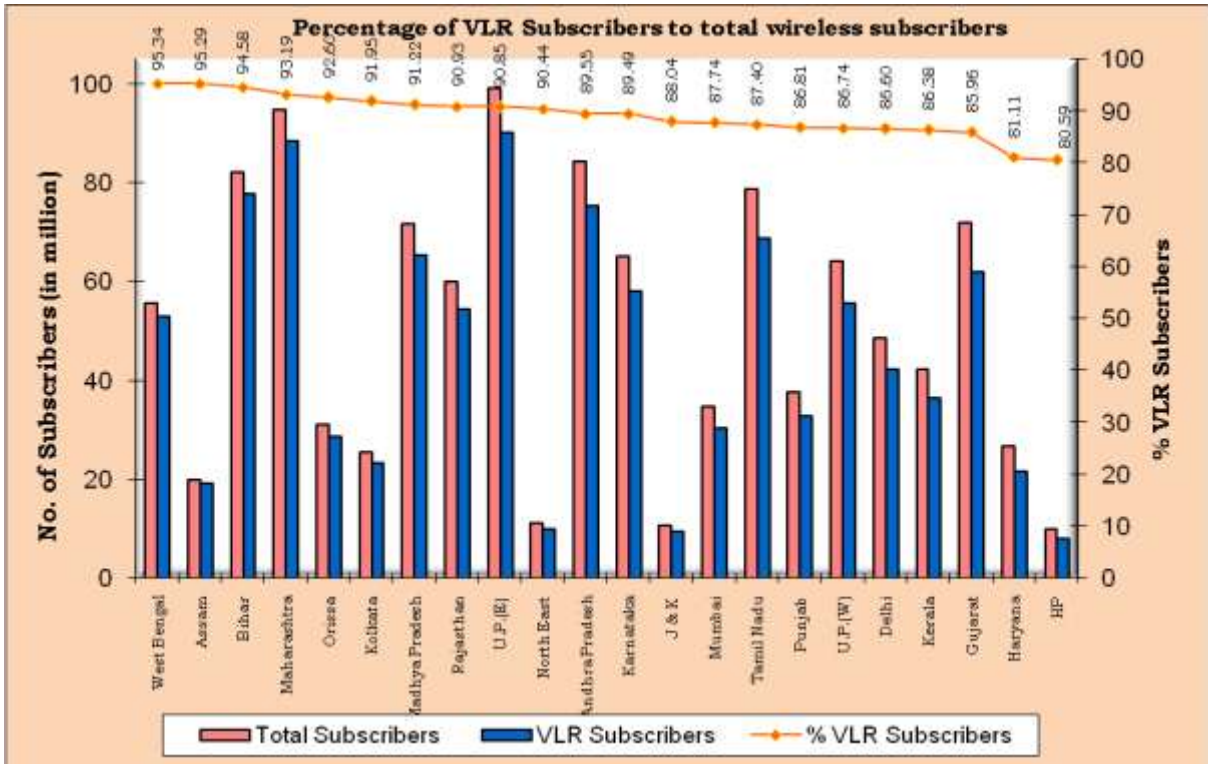
**Access Service Provider-wise Percentage of VLR Subscribers in the Month of April, 2018**



Note- Number of VLR subscribers of Bharti Airtel were more than their subscriber base due to a large number of inroamers in its network.

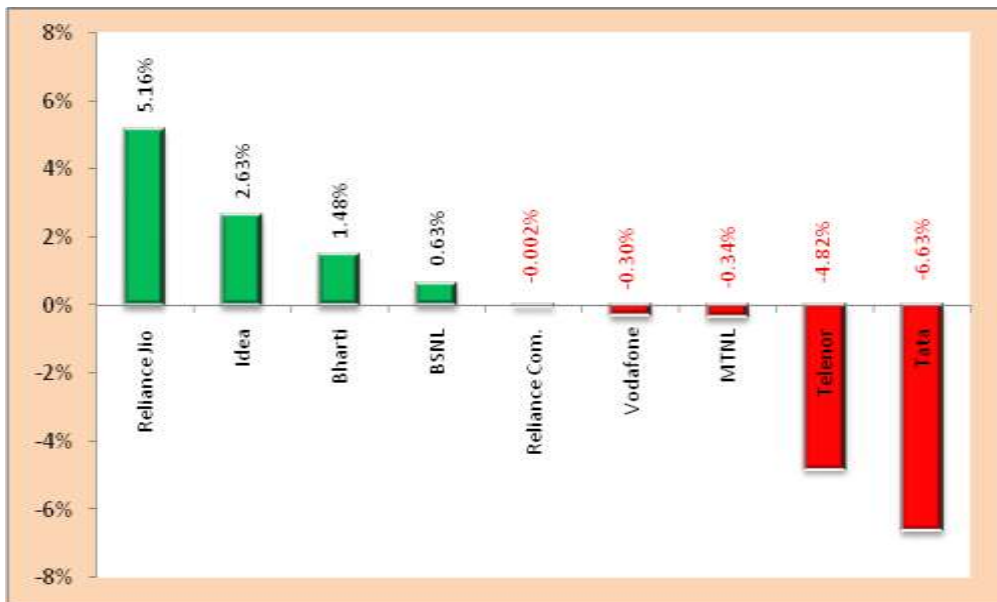


**Service Area wise percentage of VLR Subscribers  
in the Month of April, 2018**



**V. Growth in Wireless Subscribers**

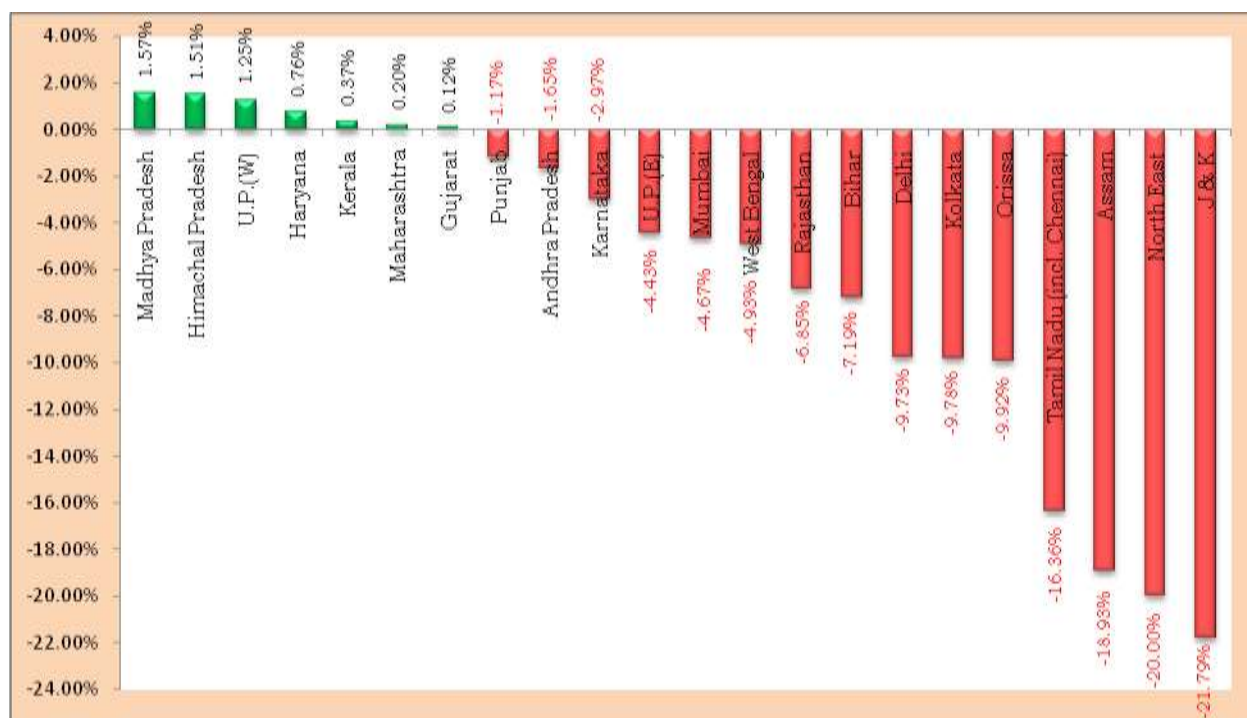
**Access Service Provider-wise Monthly Growth Rate of Wireless  
Subscribers in the Month of April, 2018**



**Note:** M/s Aircel Ltd has not reported their subscriber base for the month of April, 2018 due to closure of services.



### Service Area-wise Monthly Growth Rate of Wireless Subscribers in the Month of April, 2018



- During the month of April, 2018, out of 22 service areas, 15 service areas showed negative growth rate in wireless subscriber. Madhya Pradesh service area showed maximum growth rate of 1.57%, however J&K service areas showed maximum monthly decline rate of 21.79% in wireless subscribers during the month of April, 2018.

### 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 Apr-18, a total of 6.73 million requests were received for MNP. With this, the cumulative MNP requests increased from 370.83 million at the end of Mar-18 to 377.55 million at the end of Apr-18, since the implementation of MNP.

- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 31.23 million) followed by Maharashtra (about 25.89 million) service area.
- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 36.48 million) followed by Tamilnadu (about 32.40 million).

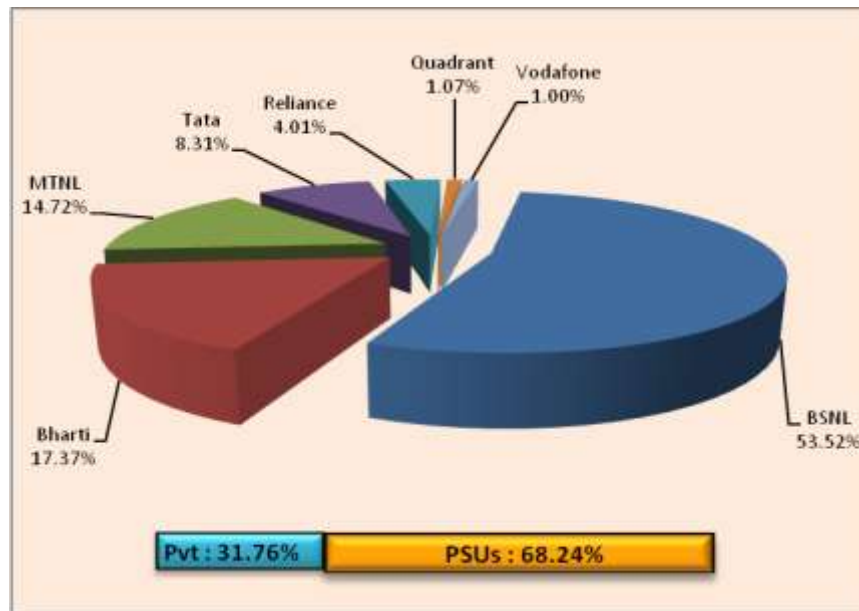
<b>Service Area Wise MNP Status at the end of April, 2018</b>			
<b>Zone - I</b>		<b>Zone - II</b>	
<b>Service Area</b>	<b>Number of Porting Requests</b>	<b>Service Area</b>	<b>Number of Porting Requests</b>
Delhi	18,850,490	Andhra Pradesh	31,659,489
Gujarat	24,760,391	Assam	2,927,277
Haryana	13,787,118	Bihar	14,271,777
Himachal Pradesh	1,819,516	Karnataka	36,479,661
Jammu & Kashmir	822,395	Kerala	9,148,671
Maharashtra	25,893,441	Kolkata	9,409,284
Mumbai	19,949,484	Madhya Pradesh	25,032,541
Punjab	14,014,612	North East	1,148,833
Rajasthan	31,234,059	Orissa	7,489,673
Uttar Pradesh - East	20,165,985	Tamil Nadu	32,400,840
Uttar Pradesh - West	16,290,054	West Bengal	19,999,136
<b>Total</b>	<b>187,587,545</b>	<b>Total</b>	<b>189,967,182</b>
<b>Total (Zone-I + Zone-II)</b>		<b>377,554,727</b>	
<b>Net Addition (in April, 2018)</b>		<b>6,725,746</b>	

## **VII. Wireline Subscribers**

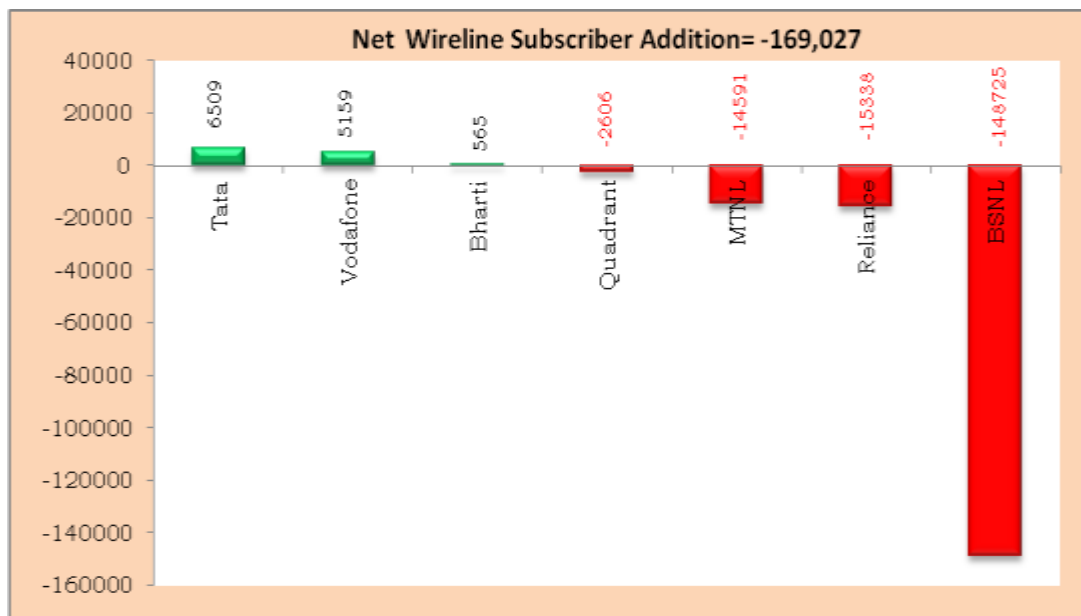
- Wireline subscribers further declined from 22.81 million at the end of Mar-18 to 22.64 million at the end of Apr-18. Net decline in the wireline subscriber base was 0.17 million with a monthly decline rate of 0.74%. The share of urban and rural subscribers in total wireline subscribers were 85.43% and 14.57% respectively at the end of Apr-18.

- The Overall Wireline Tele-density(%) declined from 1.76 at the end of Mar-18 to 1.74 at the end of Apr-18. Urban and Rural Wireline Tele-density were 4.70 and 0.37 respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 68.24% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.

**Access Service Provider-wise Market Shares of Wireline Subscribers as on 30<sup>th</sup> April, 2018**



**Access Service Provider-wise Net Additions/declines in Wireline Subscribers during the Month of April, 2018**



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

- As per the reports received from 270 operators as compared to 262 operators in previous month, the number of broadband subscribers increased from 412.60 million at the end of Mar-18 to 419.79 million at the end of Apr-18 with a monthly growth rate of 1.74%. Segment-wise broadband subscribers and their monthly growth rates are as below:

#### Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of April, 2018

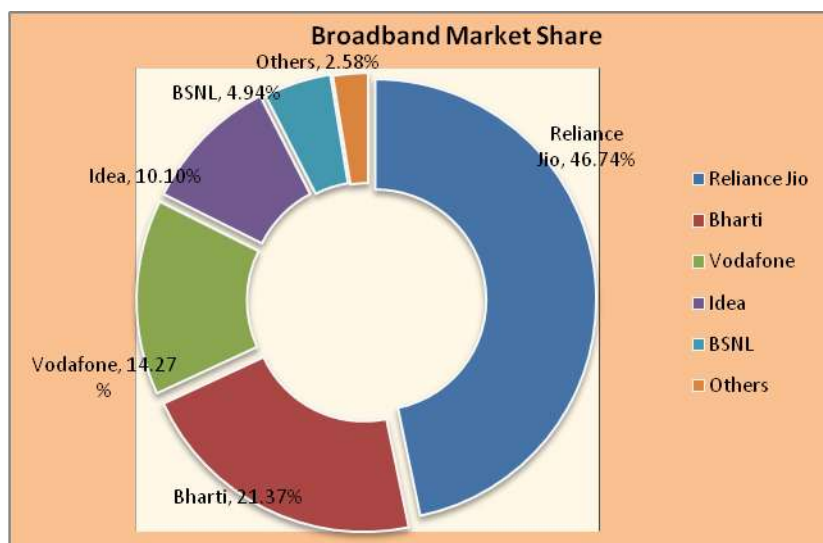
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Apr-18
	As on 31 <sup>st</sup> March, 2018	As on 30 <sup>th</sup> April, 2018	
Wired subscribers	17.95	17.97	0.06%
Mobile devices users (Phones and dongles)	394.19	401.41	1.83%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.46	0.42	-8.05%
<b>Total</b>	<b>412.60</b>	<b>419.79</b>	<b>1.74%</b>

- Top five service providers constituted 97.42% market share of the total broadband subscribers at the end of Apr-18. These service providers were Reliance Jio Infocomm Ltd (196.19 million), Bharti Airtel (89.70 million), Vodafone (59.91 million), Idea Cellular (42.41 million) and BSNL (20.75 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 30.04.2018**



- As on 30<sup>th</sup> April, 2018, the top five Wired Broadband Service providers were BSNL (9.24 million), Bharti Airtel (2.19 million), Atria Convergence Technologies (1.31 million), MTNL (0.86 million) and Hathway Cable & Datacom (0.79 million).
- As on 30<sup>th</sup> April, 2018, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (196.19 million), Bharti Airtel (87.51 million), Vodafone (59.90 million), Idea Cellular (42.40 million) and BSNL (11.51 million).

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Authorized to issue:

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**Wireless Subscriber Base**

**Annexure-I**

Circle	Group											
	Bharti		Reliance Com.		Vodafone		Tata		Idea		Aircel	
	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18
Andhra Pradesh	27318827	27544992	8609	8609	6397411	6298629	2696111	2565410	17745682	18056673	2152478	
Assam	7803873	8153763	38	38	4220244	4347391		0	1396473	1490094	5723781	
Bihar	32317362	32531804	1293	1293	10302695	10149758	673857	624995	14188931	14393575	7240203	
Delhi	13916959	14197489	48804	48804	12281591	12191598	1058125	1035735	7378006	7599653	6112896	
Gujarat	9700460	9734102	2690	2690	20787332	20698657	1592529	1454280	14569508	14783930	0	
Haryana	4002935	4018492	313	313	6455744	6371756	1321541	1248281	5363143	5441766	0	
Himachal Pradesh	3522199	3558591	323	323	589785	554382	17858	13575	981637	1025264	0	
J & K	4814170	5076758	4	4	894705	880581		0	702137	730801	3378318	
Karnataka	24823003	25177530	13220	13220	7759965	7703184	4561643	4213495	9539659	9876834	2690193	
Kerala	4916310	4951960	2705	2705	7930931	7947893	666659	578682	12229356	12429476	233179	
Kolkata	6193156	6382055	3725	3725	6625667	6725777	1600298	1514168	2846495	3072305	3479087	
Madhya Pradesh	15326157	15402447	59809	59806	6541449	6298618	2944834	2713288	27982096	28625671	0	
Maharashtra	14616112	14610677	6084	6084	20605324	20383392	3307883	3076811	30650020	30956240	0	
Mumbai	7940801	8084635	15944	15944	9861178	9862656	1876229	1783182	4697339	4835066	2182118	
North East	4904098	5169505	0	0	1751795	1798523		0	549196	596922	3292069	
Orissa	12382689	12471642	151	151	4537996	4505268	990027	912123	1988323	2143219	3911300	
Punjab	9870037	9917976	692	692	4915088	4759670	1266199	1198546	7673236	7826792	754818	
Rajasthan	22538857	22875147	3604	3604	12203525	12118606	370943	321266	8271627	8487698	5288258	
Tamil Nadu (incl. Chennai)	24078948	24958819	13772	13772	20191218	20673169	2250785	2041207	6090040	6482172	17828645	
U.P.(E)	26099036	26444180	2425	2425	23762086	23811706	2064058	1992595	12611655	13361960	5836979	
U.P.(W)	9466403	9537612	1052	1052	12495605	12369510	1828398	1745168	17516176	17899125	0	
West Bengal	17639414	17892650	711	711	21586423	21582217	101248	89748	6238868	6645088	4047977	
<b>Total</b>	<b>304191806</b>	<b>308692826</b>	<b>185968</b>	<b>185965</b>	<b>222697757</b>	<b>222032941</b>	<b>31189225</b>	<b>29122555</b>	<b>211209603</b>	<b>216760324</b>	<b>74152299</b>	<b>0</b>
<b>Net Addition</b>		<b>4501020</b>		<b>-3</b>		<b>-664816</b>		<b>-2066670</b>		<b>5550721</b>		<b>-74152299</b>
<b>Rural Subscribers</b>	<b>156946820</b>	<b>159422718</b>	<b>21407</b>	<b>21348</b>	<b>120305391</b>	<b>119575735</b>	<b>4814680</b>	<b>4332595</b>	<b>114743105</b>	<b>117454217</b>	<b>28038111</b>	

**Wireless Subscriber Base**

**Annexure-I (contd.)**

Circle	Group										Net Addition
	BSNL		MTNL		Telenor		Reliance Jio		Total		
	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	
Andhra Pradesh	10126809	10115486			3745847	3460110	15438785	16167537	85630559	84217446	-1413113
Assam	1964401	2150098					3528197	3831847	24637007	19973231	-4663776
Bihar	4430024	4548219			7071067	6794114	12365309	13179954	88590741	82223712	-6367029
Delhi			2279634	2271376			10835450	11320182	53911465	48664837	-5246628
Gujarat	5810246	5586999			6259935	5991521	13199987	13757164	71922687	72009343	86656
Haryana	4476401	4539006					4770299	4972417	26390376	26592031	201655
Himachal Pradesh	2571438	2597000					1961525	2041058	9644765	9790193	145428
J & K	1593836	1614769					2269867	2375238	13653037	10678151	-2974886
Karnataka	7218971	7194301					10372149	10810389	66978803	64988953	-1989850
Kerala	10521915	10600441					5502172	5646011	42003227	42157168	153941
Kolkata	1462056	1527129					5967064	6195439	28177548	25420598	-2756950
Madhya Pradesh	6019594	6103302					11614091	12392777	70488030	71595909	1107879
Maharashtra	7110321	6991893			4823593	4496715	13483734	14273675	94603071	94795487	192416
Mumbai			1277426	1273517			8524091	8820804	36375126	34675804	-1699322
North East	1592286	1653886					1679684	1796360	13769128	11015196	-2753932
Orissa	5419714	5467405					5114718	5437121	34344918	30936929	-3407989
Punjab	5346523	5374924					8265631	8566707	38092224	37645307	-446917
Rajasthan	5538975	5475551					10155612	10677262	64371401	59959134	-4412267
Tamil Nadu (incl. Chennai)	11111802	11384007					12509414	13127395	94074624	78680541	-15394083
U.P.(E)	11850973	11827700			9312386	8687673	12302576	13108630	103842174	99236869	-4605305
U.P.(W)	5777895	5896337			6771754	6725080	9543111	10017372	63400394	64191256	790862
West Bengal	1735303	1734978					7157362	7676744	58507306	55622136	-2885170
<b>Total</b>	<b>111679483</b>	<b>112383431</b>	<b>3557060</b>	<b>3544893</b>	<b>37984582</b>	<b>36155213</b>	<b>186560828</b>	<b>196192083</b>	<b>1183408611</b>	<b>1125070231</b>	<b>-58338380</b>
<b>Net Addition</b>		<b>703948</b>		<b>-12167</b>		<b>-1829369</b>		<b>9631255</b>	0	<b>-58338380</b>	
<b>Rural Subscribers</b>	<b>35820758</b>	<b>35932574</b>	<b>47644</b>	<b>47472</b>	<b>10757080</b>	<b>10116031</b>	<b>46606443</b>	<b>53642897</b>	<b>518101439</b>	<b>500545587</b>	<b>-17555852</b>



**Proportion of VLR on the date of Peak VLR in the month of Apr-18 (%)**

**Annexure-II**

Circle	Bharti	BSNL	Idea	MTNL	Reliance	Reliance Jio	Tata	Telenor	Vodafone	Total
<b>Andhra Pradesh</b>	106.86	71.26	97.50		61.13	81.57	2.21	64.30	90.46	<b>89.55</b>
<b>Assam</b>	101.10	70.95	91.73		34.21	96.91			96.24	<b>95.29</b>
<b>Bihar</b>	101.13	60.97	95.77		23.67	102.38	6.39	75.22	95.24	<b>94.58</b>
<b>Delhi</b>	95.00		94.38	30.25	53.26	79.92	19.69		94.47	<b>86.60</b>
<b>Gujarat</b>	110.88	50.59	96.06		66.36	80.24	4.08	52.54	95.80	<b>85.96</b>
<b>Haryana</b>	120.43	42.74	99.41		75.72	64.23	2.12		96.68	<b>81.11</b>
<b>Himachal Pradesh</b>	97.26	51.58	102.75		37.77	72.50	2.92		100.23	<b>80.59</b>
<b>J &amp; K</b>	99.29	58.52	96.52		100.00	79.35			93.72	<b>88.04</b>
<b>Karnataka</b>	110.66	62.58	95.06		66.17	81.74	1.52		97.27	<b>89.49</b>
<b>Kerala</b>	106.29	66.64	95.71		38.19	81.30	2.53		95.43	<b>86.38</b>
<b>Kolkata</b>	109.12	63.39	89.71		28.59	87.53	11.08		105.47	<b>91.95</b>
<b>Madhya Pradesh</b>	114.28	59.53	98.07		26.10	86.69	2.26		82.29	<b>91.22</b>
<b>Maharashtra</b>	121.72	59.23	97.24		37.56	92.84	11.27	64.19	97.26	<b>93.19</b>
<b>Mumbai</b>	112.33		87.06	55.59	63.32	85.30	11.81		88.02	<b>87.74</b>
<b>North East</b>	96.54	71.42	90.26		-	87.17			93.68	<b>90.44</b>
<b>Orissa</b>	102.98	72.38	94.28		85.43	98.07	2.24		99.32	<b>92.60</b>
<b>Punjab</b>	108.55	48.09	95.45		36.85	86.37	0.14		93.63	<b>86.81</b>
<b>Rajasthan</b>	98.76	53.69	95.38		51.91	83.45	1.15		98.87	<b>90.93</b>
<b>Tamil Nadu (incl. Chennai)</b>	101.55	68.90	92.51		59.46	81.71	1.01		91.05	<b>87.40</b>
<b>U.P. (E)</b>	111.16	46.03	98.71		50.10	95.84	2.46	71.70	97.77	<b>90.85</b>
<b>U.P. (W)</b>	121.76	46.29	93.29		35.84	77.54	0.87	69.54	98.46	<b>86.74</b>
<b>West Bengal</b>	100.20	82.00	95.43		44.59	86.53	3.50		95.87	<b>95.34</b>
<b>Total</b>	<b>106.33</b>	<b>59.59</b>	<b>95.99</b>	<b>39.36</b>	<b>45.66</b>	<b>85.79</b>	<b>4.69</b>	<b>67.15</b>	<b>95.42</b>	<b>89.82</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**

Circle	Group								Group								Net Addition
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Vodafone		Total		
	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	Mar-18	Apr-18	
Andhra Pradesh	1054324	1044204			168154	168436	53373	52545	174396	174468			29490	29640	1479737	1469293	-10444
Assam	134580	133737											2670	2640	137250	136377	-873
Bihar	258955	247592					5792	4524	11426	11229			2100	2070	278273	265415	-12858
Delhi			1538377	1527618	1320229	1323368	156272	154496	144715	146172			32240	34370	3191833	3186024	-5809
Gujarat	1050516	1020985			80744	80760	29886	28397	94004	94784			13427	13218	1268577	1238144	-30433
Haryana	239944	236234			22169	22209	3239	3202	38082	37664			60	90	303494	299399	-4095
Himachal Pradesh	120440	119671					3650	3593	2374	2314			60	30	126524	125608	-916
J & K	115678	114330													115678	114330	-1348
Karnataka	1104785	1093269			647602	647743	157210	156165	272695	276434			35925	37155	2218217	2210766	-7451
Kerala	1868937	1853363			58335	58347	22061	21529	18761	18732			2550	2550	1970644	1954521	-16123
Kolkata	561941	557100			123535	123641	46902	45933	52091	51680			7050	7080	791519	785434	-6085
Madhya Pradesh	665705	660232			254043	249939	13688	13205	15673	15720			660	750	949769	939846	-9923
Maharashtra	1258265	1237282			82822	83776	62322	60977	309046	307296			16417	16572	1728872	1705903	-22969
Mumbai			1808191	1804359	360902	360061	221476	218255	562828	567643			37112	37495	2990509	2987813	-2696
North East	111924	111601											210	270	112134	111871	-263
Orissa	265031	262971					3112	3046	8282	8339			1650	1770	278075	276126	-1949
Punjab	467488	460085			121841	122400	12874	12712	15524	15164	243820	241214	1560	1440	863107	853015	-10092
Rajasthan	504786	500139			50155	50272	26265	26415	13391	12617			6450	7080	601047	596523	-4524
Tamil Nadu (incl. Chennai)	1539528	1526272			555991	556025	86417	84260	117849	118378			15720	16320	2315505	2301255	-14250
U.P.(E)	363772	363647			63815	63901	11735	11972	12806	12429			11400	11370	463528	463319	-209
U.P.(W)	308642	306007			22196	22220	5244	4984	8905	8427			4170	4170	349157	345808	-3349
West Bengal	272150	269945					1896	1866	3161	3028			60	60	277267	274899	-2368
<b>Total</b>	<b>12267391</b>	<b>12118666</b>	<b>3346568</b>	<b>3331977</b>	<b>3932533</b>	<b>3933098</b>	<b>923414</b>	<b>908076</b>	<b>1876009</b>	<b>1882518</b>	<b>243820</b>	<b>241214</b>	<b>220981</b>	<b>226140</b>	<b>22810716</b>	<b>22641689</b>	<b>-169027</b>
<b>Net Addition</b>		<b>-148725</b>		<b>-14591</b>		<b>565</b>		<b>-15338</b>		<b>6509</b>		<b>-2606</b>		<b>5159</b>		<b>-169027</b>	
<b>Rural Subscribers</b>	3270003	3190562	0	0	0	0	1640	1669	54834	54526	51868	51179	0	0	3378345	3297936	-80409

## 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.