

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 14<sup>th</sup> October, 2015

(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 31<sup>st</sup> August, 2015**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
<b>Total Telephone Subscribers</b> (Million)	<b>988.69</b>	<b>26.01</b>	<b>1014.70</b>
Net Addition in August, 2015 (Million)	5.48	-0.09	5.39
Monthly Growth Rate	0.56%	-0.35%	0.53%
<b>Urban Telephone Subscribers</b> (Million)	<b>570.33</b>	<b>21.20</b>	<b>591.52</b>
Net Addition in August, 2015 (Million)	3.04	-0.04	3.00
Monthly Growth Rate	0.54%	-0.21%	0.51%
<b>Rural Telephone Subscribers</b> (Million)	<b>418.36</b>	<b>4.82</b>	<b>423.18</b>
Net Addition in August, 2015 (Million)	2.44	-0.05	2.39
Monthly Growth Rate	0.59%	-0.96%	0.57%
<b>Overall Tele-density*</b>	<b>78.37</b>	<b>2.06</b>	<b>80.44</b>
Urban Tele-density*	145.67	5.41	151.09
Rural Tele-density*	48.09	0.55	48.64
Share of Urban Subscribers	57.69%	81.48%	58.30%
Share of Rural Subscribers	42.31%	18.52%	41.70%
<b>Broadband Subscribers</b> (Million)	<b>101.34</b>	<b>16.00</b>	<b>117.34</b>

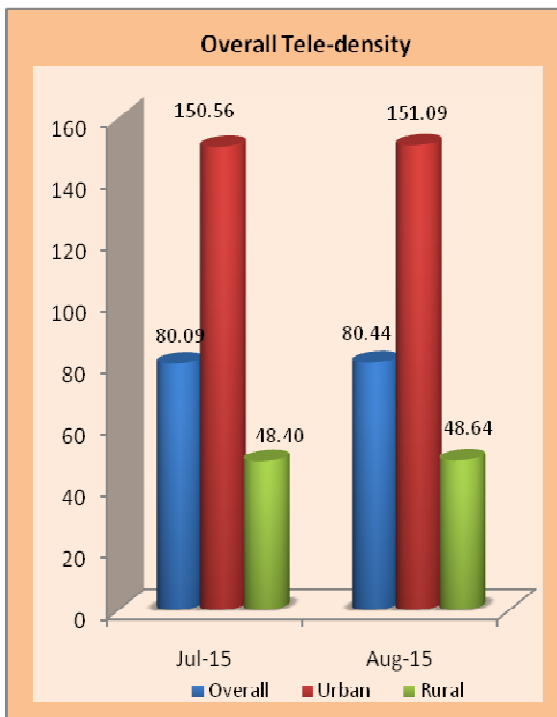
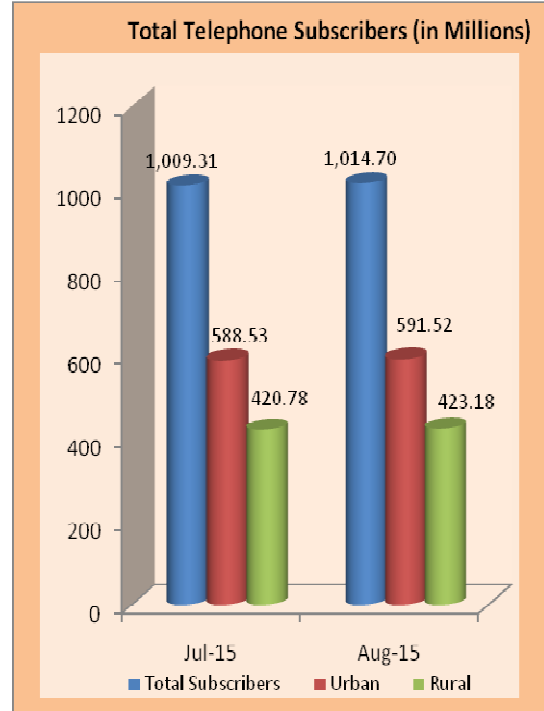
- ❖ In the month of August, 2015, 4.31 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 167.91 million at the end of July, 2015 to 172.22 million at the end of August, 2015.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in August, 2015 was 885.94 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.

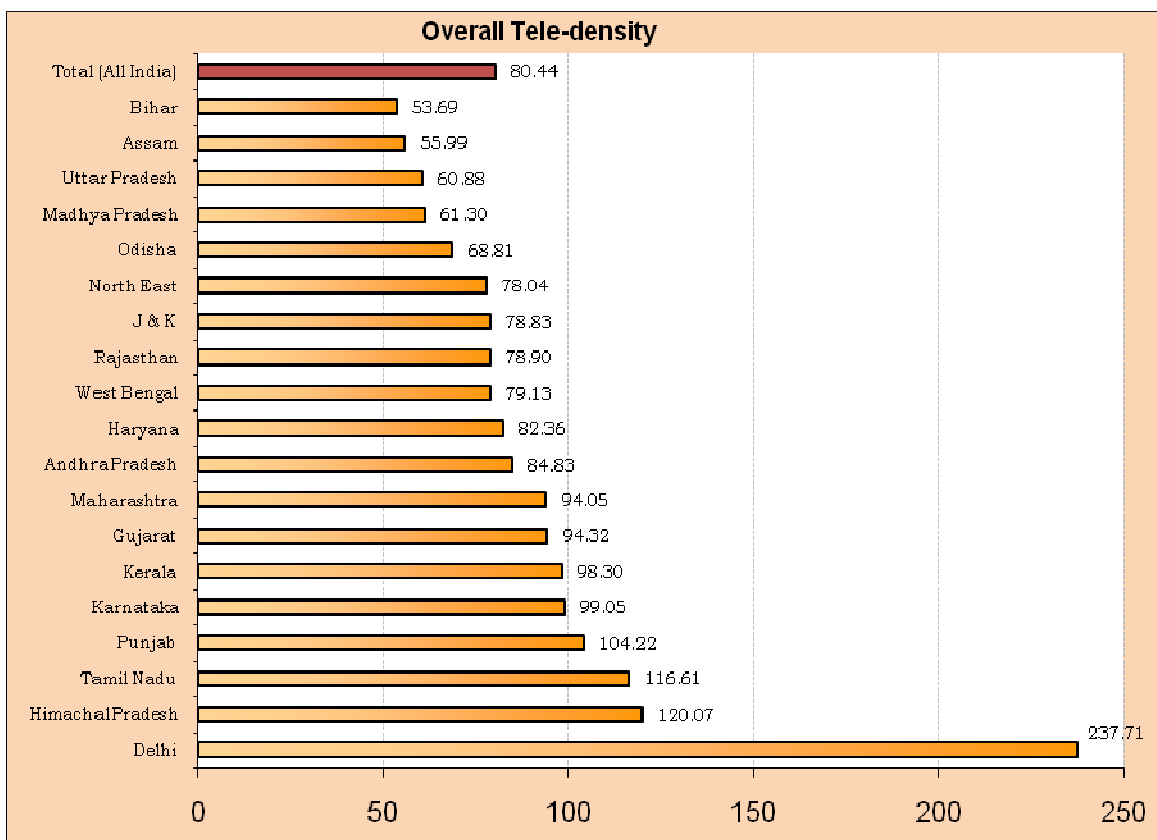
## I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,009.31 million at the end of Jul-15 to 1,014.70 million at the end of Aug-15, thereby showing a monthly growth rate of 0.53%. The urban subscription increased from 588.53 million at the end of Jul-15 to 591.52 million at the end of Aug-15 and the rural subscription increased from 420.78 million to 423.18 million during the same period. The monthly growth rates of urban and rural subscription were 0.51% and 0.57% respectively during the month of Aug-15.



- The overall Tele-density in India increased from 80.09 at the end of Jul-15 to 80.44 at the end of Aug-15. The Urban Tele-density increased from 150.56 at the end of Jul-15 to 151.09 at the end of Aug-15. The Rural Tele-density increased from 48.40 at the end of Jul-15 to 48.64 at the end of Aug-15. The shares of urban subscribers and rural subscribers at the end of Aug-15 were 58.30% and 41.70% respectively.

## Overall Tele-density (Circle/State Wise) – As on 31<sup>st</sup> August, 2015

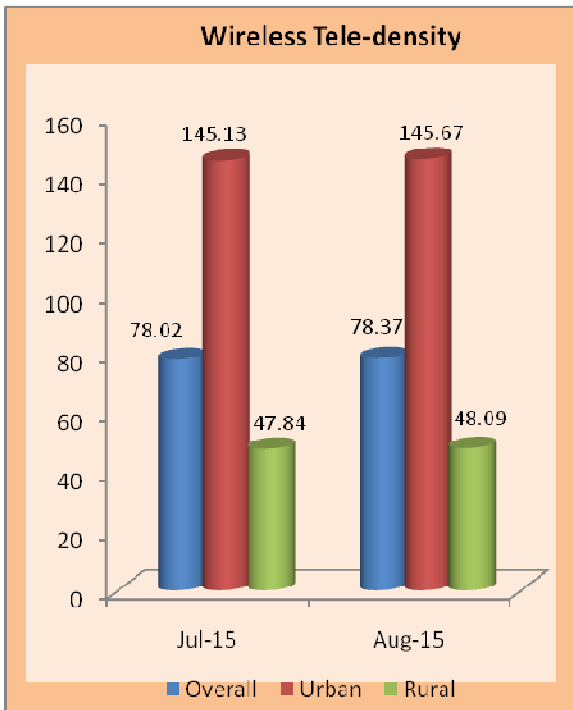
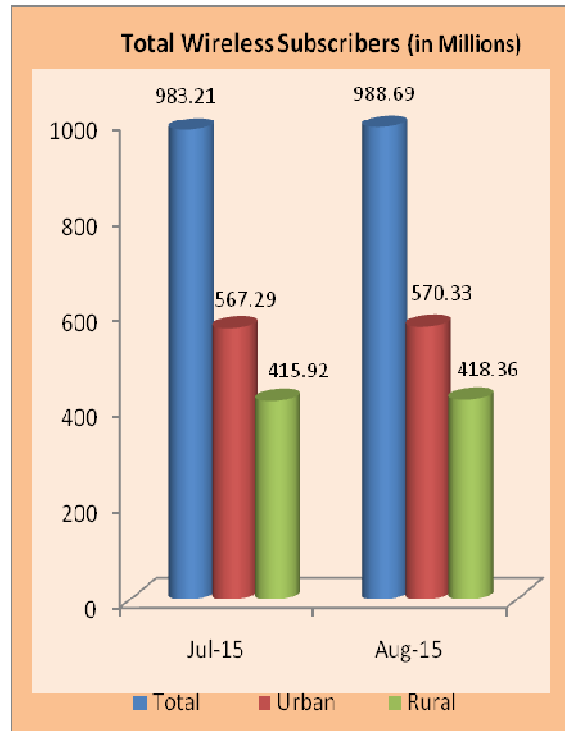


### Notes:

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). West Bengal includes Kolkata, Maharashtra includes Mumbai and Tamil Nadu includes Chennai.

## II. Wireless Subscribers

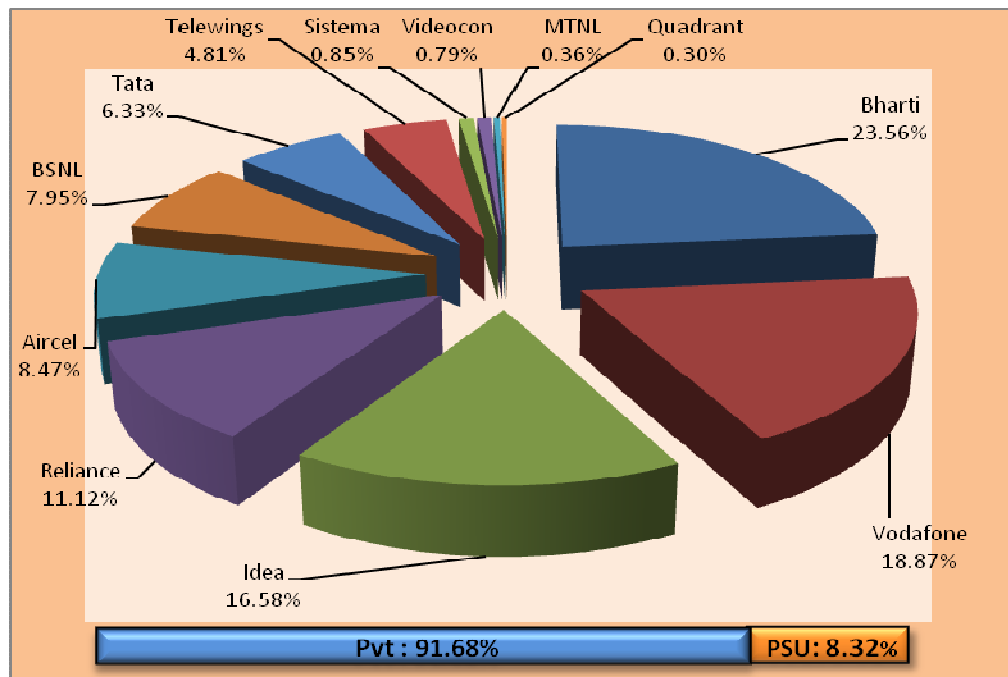
- Total wireless subscriber base increased from 983.21 million at the end of Jul-15 to 988.69 million at the end of Aug-15, thereby registering a monthly growth rate of 0.56%. The Wireless subscription in urban areas increased from 567.29 million at the end of Jul-15 to 570.33 million at the end of Aug-15, and wireless subscription in rural areas increased from 415.92 million to 418.36 million during the same period. The monthly growth rates of urban and rural wireless subscription were 0.54% and 0.59% respectively.



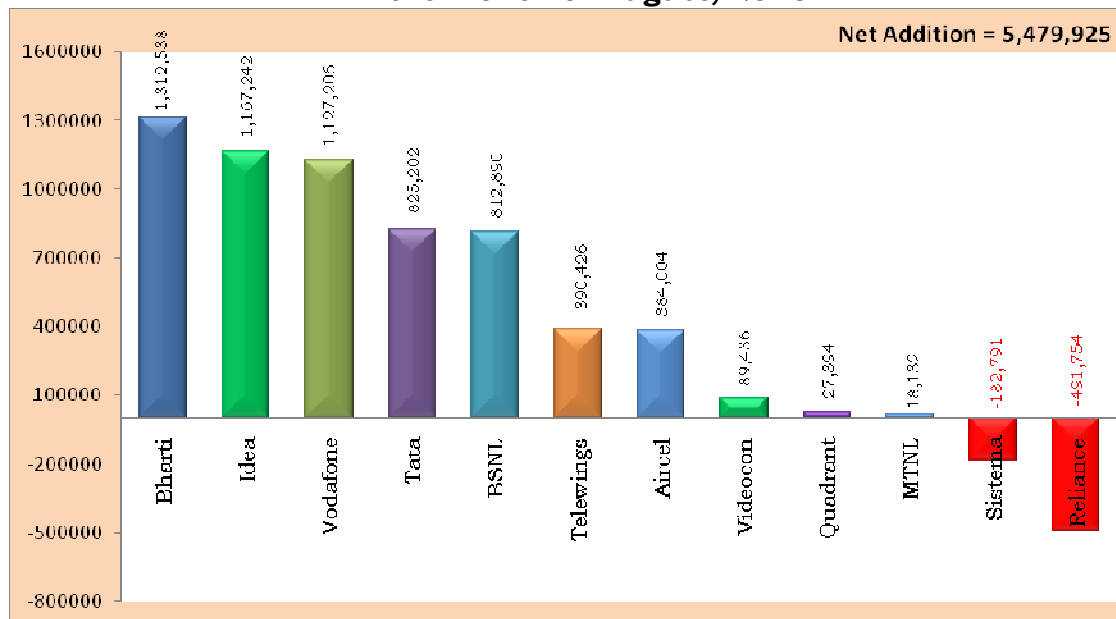
- The Wireless Tele-density in India increased from 78.02 at the end of Jul-15 to 78.37 at the end of Aug-15. The Urban Wireless Tele-density increased from 145.13 to 145.67, and Rural Wireless Tele-density increased from 47.84 to 48.09 in the month of Aug-15. The shares of urban and rural wireless subscribers were 57.69% and 42.31% respectively at the end of Aug-15. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 31<sup>st</sup> August, 2015, the private access service providers held 91.68% market share of the wireless subscribers whereas BSNL and MTNL, the two PSUs access service providers, held only 8.32% market share. The graphical representations of access service provider-wise market shares and net additions in wireless subscriber bases are given below:

**Access Service Provider-wise Market Shares in the Wireless Subscribers as on 31<sup>st</sup> August, 2015**



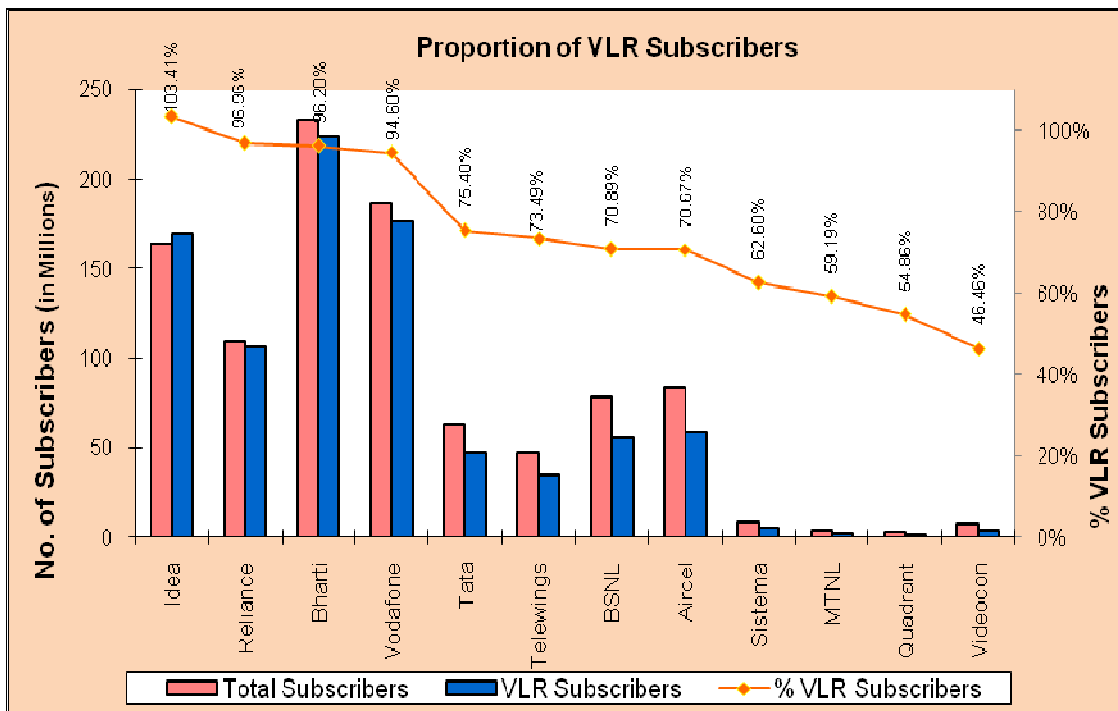
**Net Additions in Wireless Subscriber Bases of Access Service Providers in the Month of August, 2015**



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

- Out of the total wireless subscriber base (988.69 million), 885.94 million wireless subscribers were active on the date of peak VLR in the month of Aug-15. The proportion of active wireless subscribers was approximately 89.61% 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 Aug-15 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

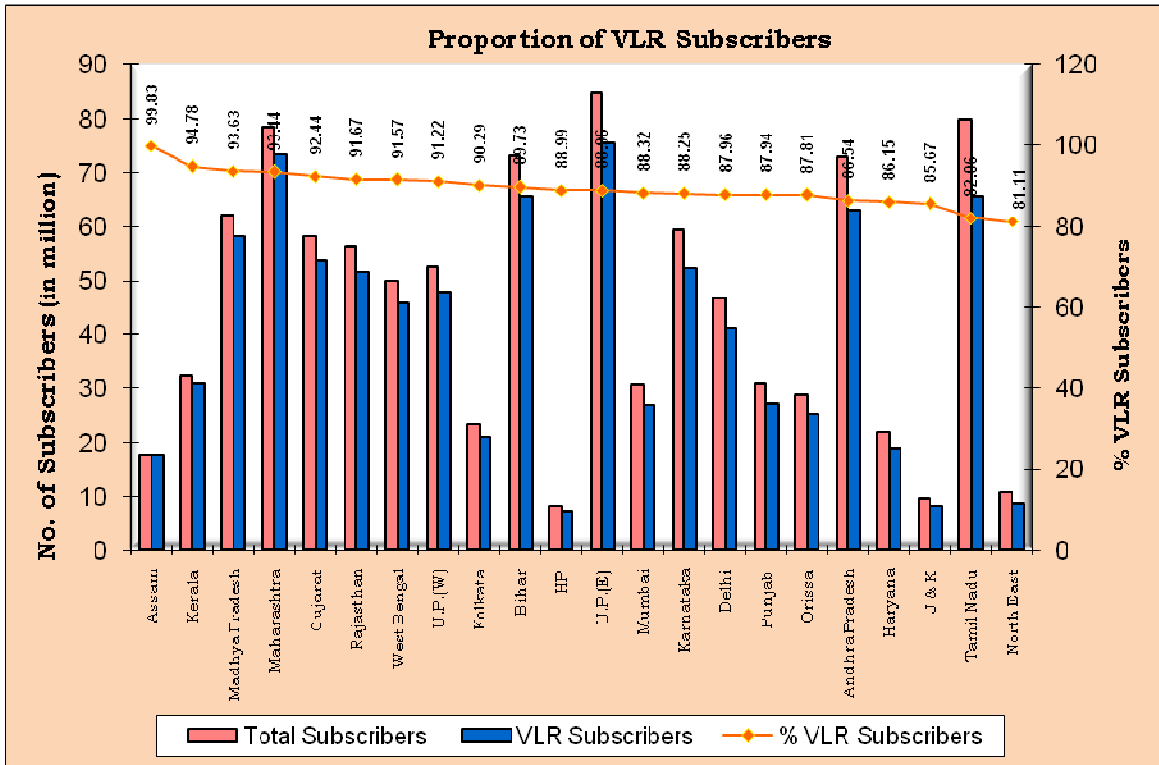
**Access Service Provider-wise Proportion of VLR Subscribers in the Month of August, 2015**



Note-

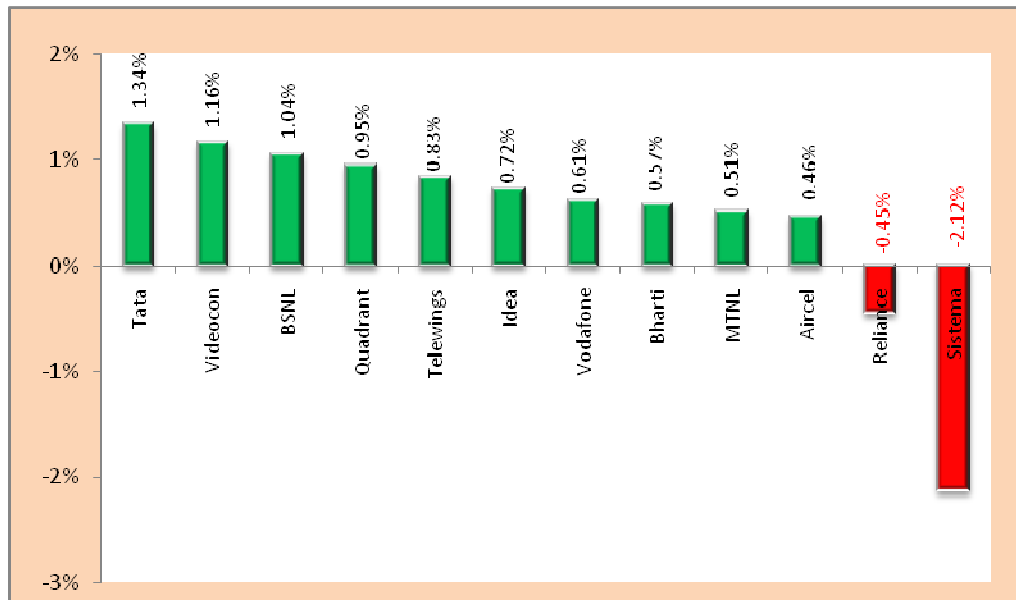
1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.

**Proportion of VLR Subscribers (Service Area-wise)  
in the Month of August, 2015**

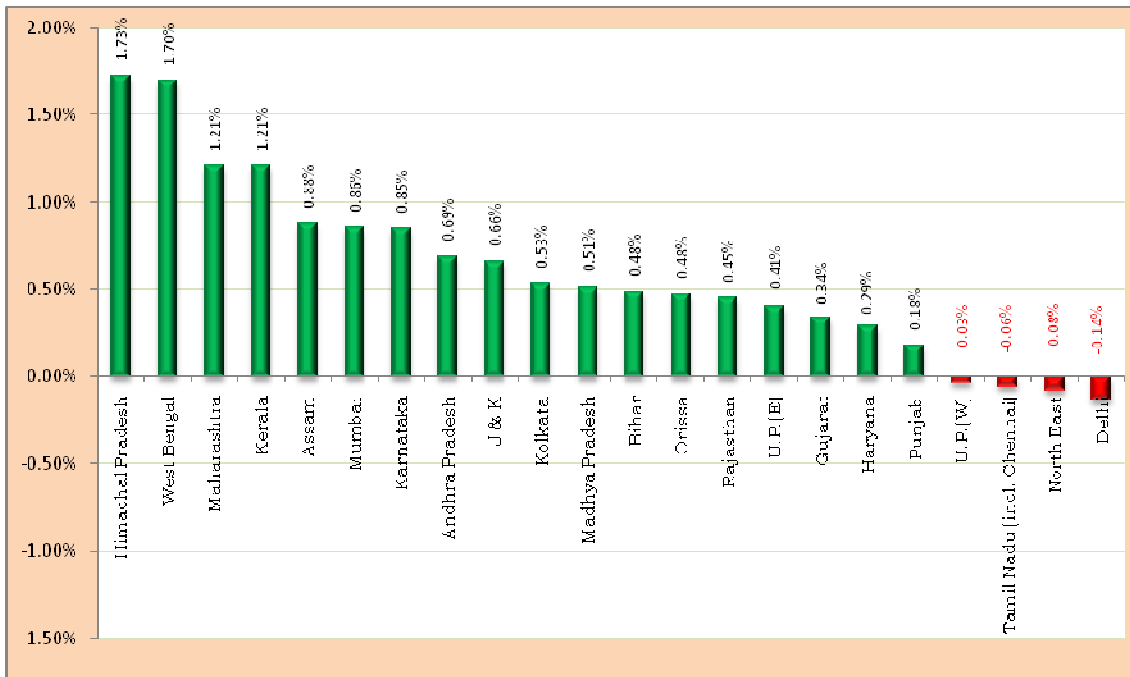


**IV. Growth in Wireless Subscribers**

**Monthly Growth Rate of Wireless Subscribers (Access Service Provider-wise)  
in the Month of August, 2015**



### Monthly Growth Rate of Wireless Subscribers (Service Area-wise) in the Month of August, 2015



- Himachal Pradesh service area recorded the highest growth rate in wireless subscribers during the month of Aug-15. Delhi, North-East, Tamilnadu (incl. Chennai) and U.P.(W) service areas showed decline in subscriber base during the month.

### V. Mobile Number Portability (MNP)

- 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.
- In the month of Aug-15, a total of 4.31 million subscribers submitted their requests for MNP. Among these MNP requests, 0.36 million MNP requests were for Inter-Service Area MNP. With this, the cumulative MNP requests increased from 167.91 million at the end of Jul-15 to 172.22 million at the end of Aug-15.



- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 15.97 million) followed by Gujarat (about 13.64 million). In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 20.13 million) followed by Andhra Pradesh (about 16.56 million).
- The status of MNP requests in various service areas is given below:

<b>Service Area Wise MNP Status at the end of August, 2015</b>			
<b>Zone -1</b>		<b>Zone - 2*</b>	
<b>Service Area</b>	<b>Number of Porting Requests</b>	<b>Service Area</b>	<b>Number of Porting Requests</b>
Delhi	6865800	Andhra Pradesh	16561661
Gujarat	13643086	Assam	554204
Haryana	6272967	Bihar	4190110
Himachal Pradesh	589537	Karnataka	20128455
Jammu & Kashmir	42398	Kerala	5720423
Maharashtra	13013717	Kolkata	4030868
Mumbai	9570624	Madhya Pradesh	10887905
Punjab	6016229	North East	311442
Rajasthan	15969339	Orissa	3355602
Uttar Pradesh - East	8376449	Tamil Nadu	10727453
Uttar Pradesh - West	8374186	West Bengal	7020207
<b>Total</b>	<b>88,734,332</b>	<b>Total</b>	<b>83,488,330</b>
<b>Total (Zone-1 + Zone-2)</b>			<b>172,222,662</b>
<b>Net Addition (in August, 2015)</b>			<b>4,309,573#</b>

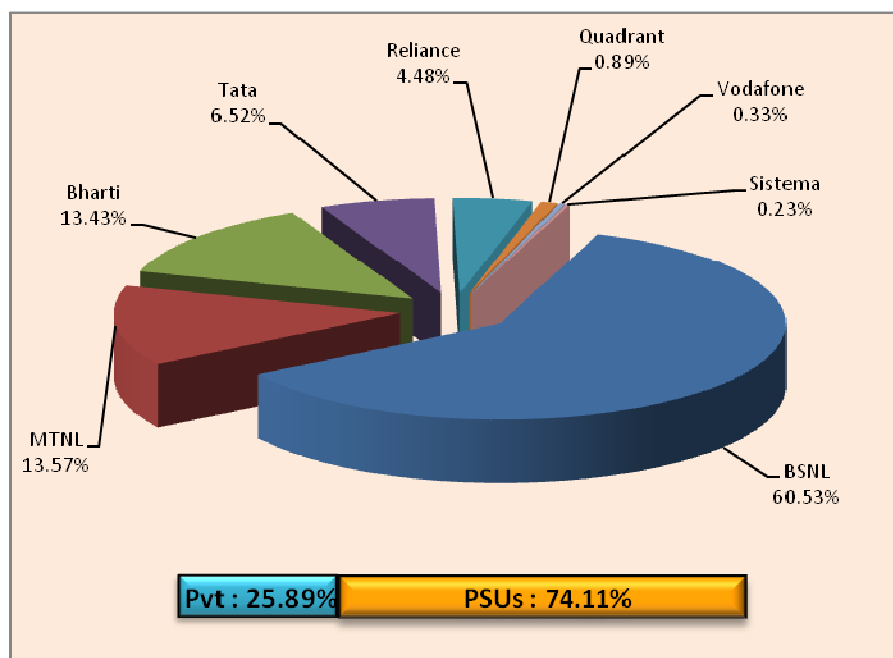
\*Provisional data

#The figure is inclusive of 0.16 Million MNP requests for Inter-Service Area MNP during the month

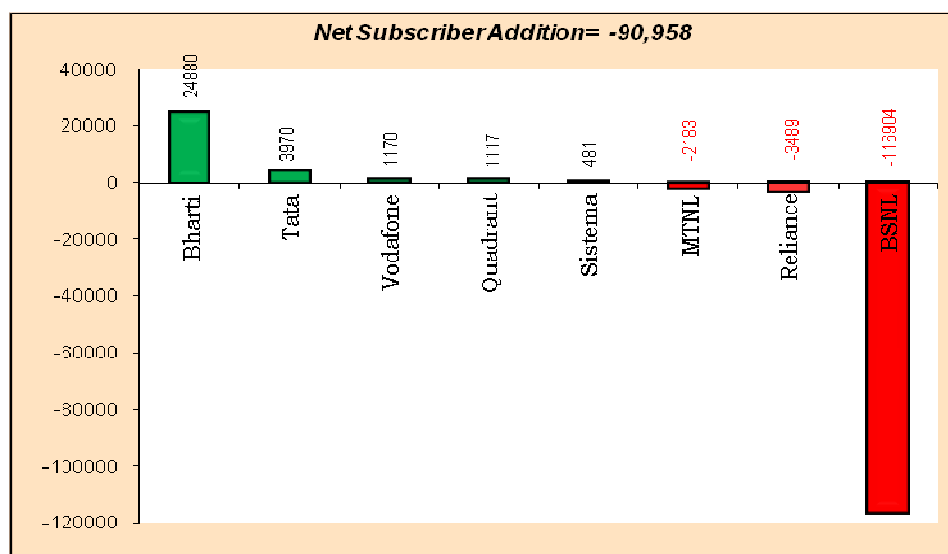
## VI. Wireline Subscribers

- Wireline subscriber base declined from 26.10 million at the end of Jul-15 to 26.01 million at the end of Aug-15. Net reduction in the wireline subscriber base was 0.09 million at the monthly decline rate of 0.35%. The share of urban and rural subscribers in total wireline subscribers were 81.48% and 18.52% respectively at the end of Aug-15.
- The Overall Wireline Tele-density slightly declined from 2.07 in Jul-15 to 2.06 in Aug-15, with Urban Wireline Tele-density and Rural Wireline Tele-density being 5.41 and 0.55 respectively. BSNL and MTNL, the two PSU access service providers, held 74.11% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.
- The graphical representations of access service provider-wise market shares in the wireline segment and net additions in wireline subscriber bases in the month of Aug-15 are given below:

### Access Service Provider-wise Market Shares in the Wireline Subscribers as on 31<sup>st</sup> August, 2015



**Net Additions/declines in Wireline Subscriber Bases of Access Service Providers in the Month of August, 2015**



**VII. Category-wise Growth**

**Circle Category-wise Net Additions in Telephone Subscribers**

Circle Category	Net additions in the month of August, 2015		Telephone Subscriber base as on 31 <sup>st</sup> August, 2015	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-14467	2083613	10372027	348535140
Circle B	-55813	2236864	7202410	391164446
Circle C	-5639	839813	1282676	148364542
Metro	-15039	319635	7156262	100624465
<b>All India</b>	<b>-90,958</b>	<b>5,479,925</b>	<b>26,013,375</b>	<b>988,688,593</b>

**Circle Category-wise Growth Rates in Telephone Subscribers**

Circle Category	Monthly growth rate (%) (Jun-15 to Jul-15)		Yearly growth rate (%) (Jul-14 to Jul-15)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.14	0.60	-4.96	5.19
Circle B	-0.77	0.58	-9.75	6.98
Circle C	-0.44	0.57	-10.28	13.16
Metro	-0.21	0.32	-0.60	4.58
<b>All India</b>	<b>-0.35</b>	<b>0.56</b>	<b>-5.49</b>	<b>6.96</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, the Circles of Category-B showed the maximum net addition and Circles in Category-A showed the maximum growth rate in the month Aug-15.
- In Wireline segment, Circles of Category-B showed the highest net decline and the highest monthly decline rate of subscriber base in the month of Aug-15.

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

- As per the reports received from the service providers, the number of broadband subscribers increased from 113.32 Million at the end of Jul-15 to 117.34 million at the end of Aug-15 with monthly growth rate of 3.55%. Segment-wise broadband subscribers and their monthly growth rates are as below:

#### **Segment-wise Broadband Subscribers and Monthly Growth Rates**

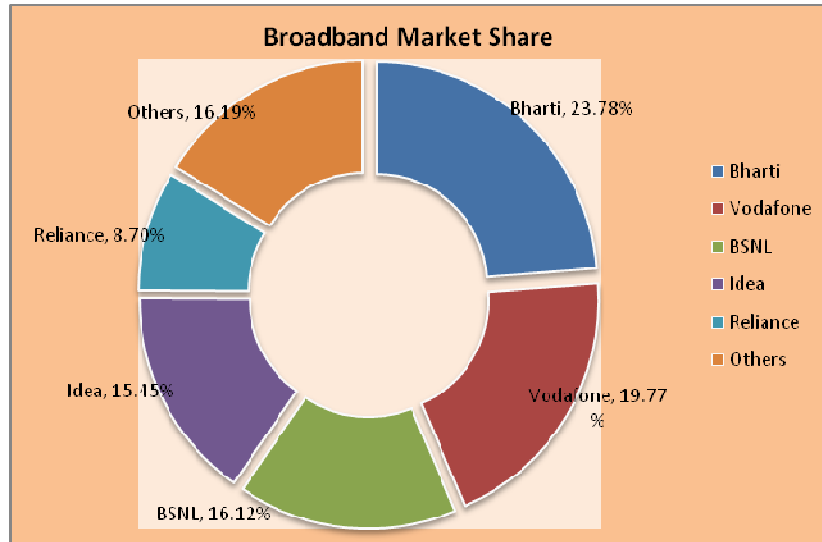
<b>Segment</b>	<b>Broadband subscribers (in million)</b>		<b>Monthly growth rate (%)</b>
	<b>As on 31<sup>st</sup> July, 2015</b>	<b>As on 31<sup>st</sup> August, 2015</b>	
Wired subscribers	15.84	16.00	1.02
Mobile devices users (Phones and dongles)	97.04	100.88	3.96
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.44	0.45	3.51
<b>Total</b>	<b>113.32</b>	<b>117.34</b>	<b>3.55</b>

- Top five service providers constituted 83.81% market share of total broadband subscribers at the end of Aug-15. These service providers were Bharti Airtel (27.90 million), Vodafone (23.20 million), BSNL (18.91 million), Idea Cellular Ltd (18.12 million) and Reliance Communications Group (10.21 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 31.08.2015**



- As on 31<sup>st</sup> August, 2015, the top five Wired Broadband Service providers were BSNL (9.92 million), Bharti Airtel (1.54 million), MTNL (1.13 million), Atria Convergence Technologies (0.77 million) and YOU Broadband (0.48 million).
- As on 31<sup>st</sup> August, 2015, the top five Wireless Broadband Service providers were Bharti Airtel (26.36 million), Vodafone (23.19 million), Idea Cellular (18.11 million), Reliance Communications Group (10.10 million) and BSNL (8.99 million).

Contact details in case of any clarification:

**Ms. Vinod Kotwal, Advisor (F&EA),**  
Telecom Regulatory Authority of India  
Mahanagar Doorsanchar Bhawan  
Jawahar Lal Nehru Marg,  
New Delhi – 110002,  
Ph: 011-23230752  
Fax: 011-23236650  
E-mail: [advfeal@traai.gov.in](mailto:advfeal@traai.gov.in)

Authorized to issue:

**(Vinod Kotwal)**  
**Advisor (F&EA)**

## Wireless Subscriber Base

Annexure-I

Page 1 of 2

Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel	
	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15
Andhra Pradesh	22309612	22527711	5295377	5372705	6868364	6945121	5416475	5421256	14439880	14550121	2797575	2792549
Assam	5378759	5411904	2362433	2406212	3242580	3262652			922332	931202	4623231	4659886
Bihar	25922917	26003991	9752425	9411246	8619716	8806036	1963333	1907108	9819495	10061099	6434716	6551982
Delhi	10901252	10904912	8464921	8266270	9731448	9767899	2699876	2674322	6098302	6123293	5527509	5636710
Gujarat	7925950	7834000	4718638	4785909	18491856	18560333	2745992	2767006	11157559	11229866	17063	17063
Haryana	2671467	2650445	2082931	2030568	5180943	5198571	2698250	2701691	4624491	4582073	3092	3092
Himachal Pradesh	2602785	2690590	1651539	1660011	662824	668921	81637	80448	748055	755626	998274	1002112
J & K	3103607	3190655	824958	829269	1230080	1207921			568017	576605	2573010	2541382
Karnataka	19967676	20130387	5306844	5257188	7295509	7393758	6935460	7068031	8309614	8385055	2717183	2802574
Kerala	4040485	4093710	1976854	2015757	7327629	7381512	1587077	1592604	9965034	10071157	58516	100708
Kolkata	4196243	4222689	3954400	4030335	4994119	5023533	2840734	2839125	1905624	1899507	3954496	3974980
Madhya Pradesh	11706513	11828781	12456444	12365538	6387732	6473529	4620786	4657057	19800158	19819468	21194	20694
Maharashtra	11988555	12129890	4988702	4961244	17462069	17687605	6276414	6369593	21981839	22291586	2155181	2229857
Mumbai	5163026	5235230	5314867	5301331	8487679	8546231	3399677	3413400	4054350	4121913	2643914	2688019
North East	3533689	3547838	805811	827626	1375920	1396170			473273	470970	3003564	3035664
Orissa	9277691	9294353	4524217	4452899	3518264	3550575	2270676	2277197	1334624	1353816	4195206	4283637
Punjab	7810289	7789996	2250491	2234103	4906939	4924849	2530837	2568252	6328633	6282606	1003812	1012674
Rajasthan	17908612	17970152	6602732	6609103	11217560	11234300	1600294	1579232	7241845	7274670	5992070	6107104
Tamil Nadu (incl. Chennai)	16154459	16256964	6257298	6242007	14591072	14764641	5504226	5565131	5163218	5423762	22742622	22159588
U.P.(E)	18851654	18976649	8393320	8350898	17744499	17580056	4369530	4365917	9958607	9912054	6492592	6607804
U.P.(W)	7501469	7451376	5152106	5116187	10705711	10726898	3572299	3590789	13250056	13181648	358750	399815
West Bengal	12753699	12840724	7305227	7424375	15406563	15475171	602924	1103540	4614485	4628636	5051117	5120797
<b>Total</b>	<b>231670409</b>	<b>232982947</b>	<b>110442535</b>	<b>109950781</b>	<b>185449076</b>	<b>186576282</b>	<b>61716497</b>	<b>62541699</b>	<b>162759491</b>	<b>163926733</b>	<b>83364687</b>	<b>83748691</b>
<b>Net Addition</b>		<b>1312538</b>		<b>-491754</b>		<b>1127206</b>		<b>825202</b>		<b>1167242</b>		<b>384004</b>

## Wireless Subscriber Base

Annexure-I  
Page 2 of 2

Circle	Group														Net Addition
	BSNL		MTNL		Telewings		Sistema		Videocon		Quadrant		Total		
	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	
Andhra Pradesh	9596210	9532491			5611324	5692261							72334817	72834215	499398
Assam	1209408	1222821											17738743	17894677	155934
Bihar	2657153	2691162			7531585	7621338			23697	23697			72725037	73077659	352622
Delhi			2341960	2343027			1021906	1006961					46787174	46723394	-63780
Gujarat	3113098	3156537			7089425	7110120	227018	228830	2437873	2432110			57924472	58121774	197302
Haryana	2709507	2843272							2043523	2067967			22014204	22077679	63475
Himachal Pradesh	1411633	1439804											8156747	8297512	140765
J & K	1240195	1256885											9539867	9602717	62850
Karnataka	6784736	6817148					1401456	1365527					58718478	59219668	501190
Kerala	6803334	6889786					391502	392860					32150431	32538094	387663
Kolkata	756954	756955					623391	602576					23225961	23349700	123739
Madhya Pradesh	3624411	3699262							3164090	3234668			61781328	62098997	317669
Maharashtra	5025135	5084869			7643802	7701796							77521697	78456440	934743
Mumbai			1228182	1245247									30291695	30551371	259676
North East	1513818	1419181											10706075	10697449	-8626
Orissa	3537582	3582051											28658260	28794528	136268
Punjab	3153487	3200842									2894530	2921924	30879018	30935246	56228
Rajasthan	3331021	3379632					2219925	2213637					56114059	56367830	253771
Tamil Nadu (incl. Chennai)	8678704	8685160					860464	805790					79952063	79903043	-49020
U.P.(E)	7530021	7703775			10988085	11174647			25963	24788			84354271	84696588	342317
U.P.(W)	3489047	3588769			8298553	8253038	176279	176145	28435	29787			52532705	52514452	-18253
West Bengal	1671030	1698972					1696521	1643345					49101566	49935560	833994
<b>Total</b>	<b>77836484</b>	<b>78649374</b>	<b>3570142</b>	<b>3588274</b>	<b>47162774</b>	<b>47553200</b>	<b>8618462</b>	<b>8435671</b>	<b>7723581</b>	<b>7813017</b>	<b>2894530</b>	<b>2921924</b>	<b>983208668</b>	<b>988688593</b>	<b>5479925</b>
<b>Net Addition</b>		<b>812890</b>		<b>18132</b>		<b>390426</b>		<b>-182791</b>		<b>89436</b>		<b>27394</b>		<b>5479925</b>	

**Proportion of VLR on the date of Peak VLR in the month of Aug-15 (%)**

**Annexure-II**

Circle	Aircel	Bharti	BSNL	Quadrant	Idea	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	61.90	97.48	61.85		92.45		98.20		84.42	72.37		86.74	<b>86.54</b>
Assam	86.55	97.06	85.36		270.85		81.63					93.43	<b>99.83</b>
Bihar	75.63	95.06	74.09		96.61		99.01		62.65	70.76	11.63	94.00	<b>89.73</b>
Delhi	64.45	92.51			96.13	50.93	98.35	51.82	53.66			104.52	<b>87.96</b>
Gujarat	2457.32	95.66	81.68		109.63		98.26	40.48	72.77	73.55	44.58	95.93	<b>92.44</b>
Haryana	10.80	95.68	57.98		99.96		94.19		80.38		52.18	97.97	<b>86.15</b>
Himachal Pradesh	61.84	96.56	79.41		109.94		91.65		37.67			95.68	<b>88.99</b>
J & K	88.08	98.64	74.08		96.49		60.80					70.35	<b>85.67</b>
Karnataka	62.77	95.00	59.51		102.84		97.11	68.89	85.65			89.28	<b>88.25</b>
Kerala	86.04	97.54	84.58		106.40		91.15	63.20	84.77			91.85	<b>94.78</b>
Kolkata	73.49	97.11	89.51		87.10		99.01	92.11	79.62			97.98	<b>90.29</b>
Madhya Pradesh	1.38	95.15	79.05		109.74		97.53		79.21		44.99	77.38	<b>93.63</b>
Maharashtra	58.91	95.06	85.65		104.23		97.58		76.64	72.54		99.31	<b>93.44</b>
Mumbai	58.05	98.29			95.09	74.74	99.00		78.57			87.70	<b>88.32</b>
North East	69.65	96.78	63.17		90.71		73.34					85.83	<b>81.11</b>
Orissa	61.65	96.11	82.18		102.26		98.35		72.76			94.27	<b>87.81</b>
Punjab	68.89	93.55	75.70	54.86	105.33		98.41		72.33			91.78	<b>87.94</b>
Rajasthan	61.94	99.14	76.95		103.63		99.18	59.11	105.35			92.67	<b>91.67</b>
Tamil Nadu (incl. Chennai)	68.21	97.09	59.54		90.20		94.96	57.23	69.77			97.10	<b>82.06</b>
U.P. (E)	72.93	97.95	61.81		105.39		98.01		68.45	76.17	14.03	96.95	<b>88.96</b>
U.P. (W)	147.33	95.07	66.56		103.56		98.90	49.37	70.03	73.99	16.97	97.14	<b>91.22</b>
West Bengal	71.44	95.48	87.79		103.82		98.17	64.84	22.92			96.30	<b>91.57</b>
<b>Total</b>	<b>70.08</b>	<b>96.20</b>	<b>70.89</b>	<b>54.86</b>	<b>103.41</b>	<b>59.19</b>	<b>96.96</b>	<b>62.60</b>	<b>75.40</b>	<b>73.49</b>	<b>46.46</b>	<b>94.60</b>	<b>89.61</b>

Note: Peak VLR figures in some circles of M/s Idea Cellular Ltd., M/s Aircel Ltd, M/s Tata Teleservices and M/s Vodafone India Ltd are more than their HLR figures due to a large number of inroamers.



**Wireline Subscriber Base**

**Annexure-III**

Circle	Group																Net Addition		
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone			Total	
	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15	Jul-15	Aug-15		Jul-15	Aug-15
Andhra Pradesh	1456859	1450479			128946	131402	77451	76618	161995	162203					9,150	9,180	1834401	1829882	-4519
Assam	165166	165278													1,530	1,530	166696	166808	112
Bihar	327693	328120					6,292	6,341	13,044	13,143					1050	1050	348079	348654	575
Delhi			1611378	1611869	1200223	1204218	177572	176753	137338	135575					21,720	21,840	3148231	3150255	2024
Gujarat	1257015	1246623			63426	64414	80900	80136	85884	86090					2,880	2,880	1490105	1480143	-9962
Haryana	337,542	330,039			17393	17600	4797	4747	36030	36212					90	90	395852	388688	-7164
Himachal Pradesh	183,627	179,146					4399	4428	2773	2769					90	90	190889	186433	-4456
J & K	139,339	136,547															139339	136547	-2792
Karnataka	1374462	1368462			562539	568353	133849	135460	196815	197372					7,770	7,890	2275435	2277537	2102
Kerala	2417568	2404148			52376	53168	35024	34432	17136	17244					870	900	2522974	2509892	-13082
Kolkata	736684	718299			110608	112060	75541	74472	48915	49304					3690	3750	975438	957885	-17553
Madhya Pradesh	778724	774143			236857	239484	21846	21786	21315	21006					270	270	1059012	1056689	-2323
Maharashtra	1616483	1612616			70235	71081	82294	82469	279827	280832					9,900	10,410	2058739	2057408	-1331
Mumbai			1921897	1919223	342969	343219	240200	240812	528136	530228					14,430	14,640	3047632	3048122	490
North East	126,578	126,966													120	120	126698	127086	388
Orissa	304646	305068					3185	3233	8033	8097					750	750	316614	317148	534
Punjab	737824	725206			94528	95571	20765	20587	17407	17459	230893	232010			510	540	1101927	1091373	-10554
Rajasthan	673270	666245			42100	42591	22834	22517	10119	10331			58767	59248	1,890	1,890	808980	802822	-6158
Tamil Nadu (incl. Chennai)	2014975	2010989			469773	473329	137196	135842	98490	99457					7380	7440	2727814	2727057	-757
U.P.(E)	387063	386286			57329	57629	37214	37207	15455	15197					1,110	1,110	498171	497429	-742
U.P.(W)	428269	417145			20286	20349	6309	6342	10091	10102					420	420	465375	454358	-11017
West Bengal	400267	395345					1842	1839	3793	3945					30	30	405932	401159	-4773
<b>Total</b>	<b>15864054</b>	<b>15747150</b>	<b>3533275</b>	<b>3531092</b>	<b>3469588</b>	<b>3494468</b>	<b>1169510</b>	<b>1166021</b>	<b>1692596</b>	<b>1696566</b>	<b>230893</b>	<b>232010</b>	<b>58767</b>	<b>59248</b>	<b>85650</b>	<b>86820</b>	<b>26104333</b>	<b>26013375</b>	<b>-90958</b>
<b>Net Addition</b>		<b>-116904</b>		<b>-2183</b>		<b>24880</b>		<b>-3489</b>		<b>3970</b>		<b>1117</b>		<b>481</b>		<b>1170</b>		<b>-90958</b>	

## 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 and numbers available in VLR.

The VLR data calculated here is on the basis of active subscribers in VLR on the date of Peak 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.