

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 15<sup>th</sup> March 2013

(www.traai.gov.in)

**Highlights on Telecom Subscription Data as on 31<sup>st</sup> January 2013**

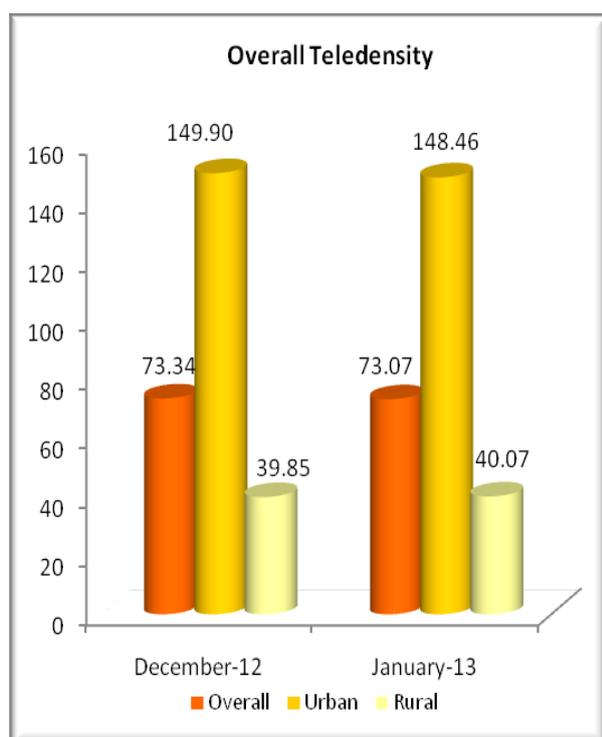
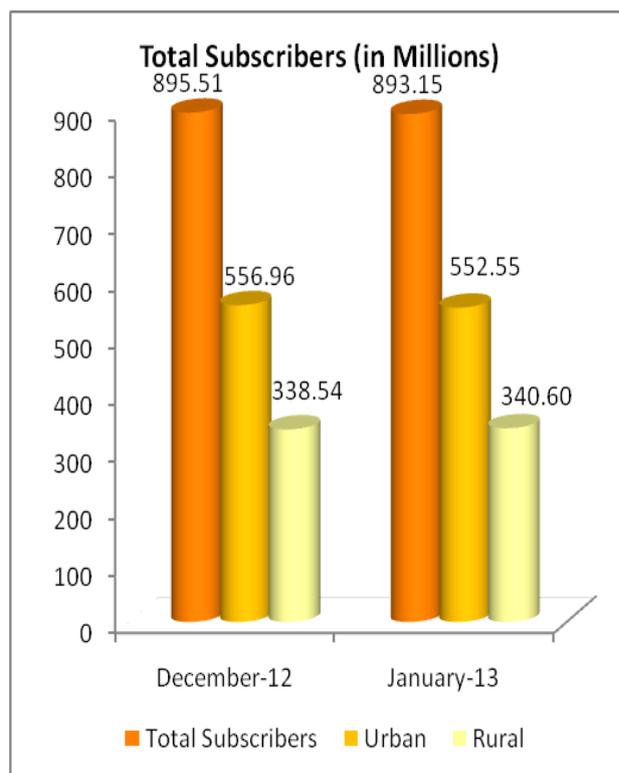
Particulars	Wireless	Wireline	Total Wireless + Wireline
<b>Total Subscribers</b> (Millions)	<b>862.62</b>	<b>30.52</b>	<b>893.15</b>
Total Net Monthly Addition (Millions)	-2.10	-0.27	-2.36
Monthly Growth (%)	-0.24%	-0.86%	-0.26%
<b>Urban Subscribers</b> (Millions)	<b>528.88</b>	<b>23.66</b>	<b>552.55</b>
Urban Subscribers Net Monthly Addition (Millions)	-4.24	-0.17	-4.41
Monthly Growth (%)	-0.80%	-0.73%	-0.79%
<b>Rural Subscribers</b> (Millions)	<b>333.74</b>	<b>6.86</b>	<b>340.60</b>
Rural Subscribers Net Monthly Addition (Millions)	2.14	-0.09	2.05
Monthly Growth (%)	0.65%	-1.33%	0.61%
<b>Overall Teledensity*</b>	<b>70.57</b>	<b>2.50</b>	<b>73.07</b>
Urban Teledensity*	142.10	6.36	148.46
Rural Teledensity*	39.26	0.81	40.07
Share of Urban Subscribers	<b>61.31%</b>	<b>77.54%</b>	<b>61.87%</b>
Share of Rural Subscribers	<b>38.69%</b>	<b>22.46%</b>	<b>38.13%</b>

- ❖ Mobile Number Portability requests increased from 80.06 million subscribers at the end of December 2012 to 84.26 million at the end of January 2013. In the month of January 2013 alone, 4.20 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in January 2013 are 708.00 Million, 82.08% of the total subscribers.
- ❖ Broadband subscription reached 15.01 million in January 2013 from 14.98 million in December 2012.

\* Based on the population projections from Census data published by the Office of Registrar General & Census Commissioner of India.

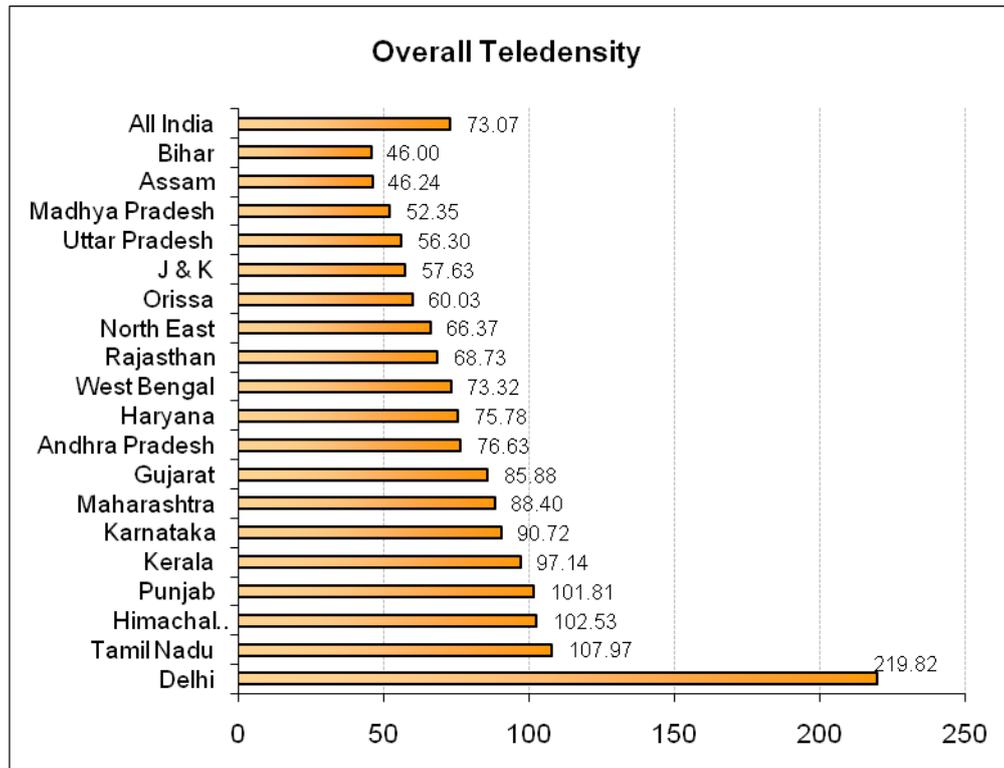
## I. Total Telephone Subscribers

• The number of telephone subscribers in India decreased to 893.15 million at the end of January, 2013 from 895.51 million at the end of December 2012, thereby showing a monthly growth rate of -0.26%. The share of urban subscribers has declined to 61.87% from 62.20% whereas share of rural subscribers has increased to 38.13% in the month of January 2013. With this, the overall Teledensity in India decreased to 73.07 at the end of January, 2013 from 73.34 of the previous month.



• Subscription in the urban areas decreased from 556.96 million in December, 2012 to 552.55 million at the end of January, 2013. Subscription in rural areas increased from 338.54 million to 340.60 million during the same period. The monthly growth rate of urban and rural subscription is -0.79% and 0.61% respectively. The overall urban Teledensity has decreased from 149.90 to 148.46 and Rural Teledensity increased from 39.85 to 40.07.

## Overall Teledensity (Circle Wise)

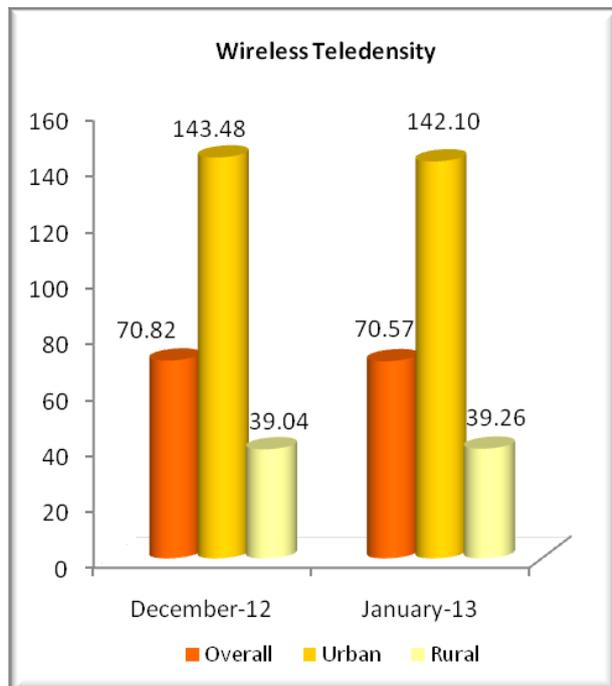
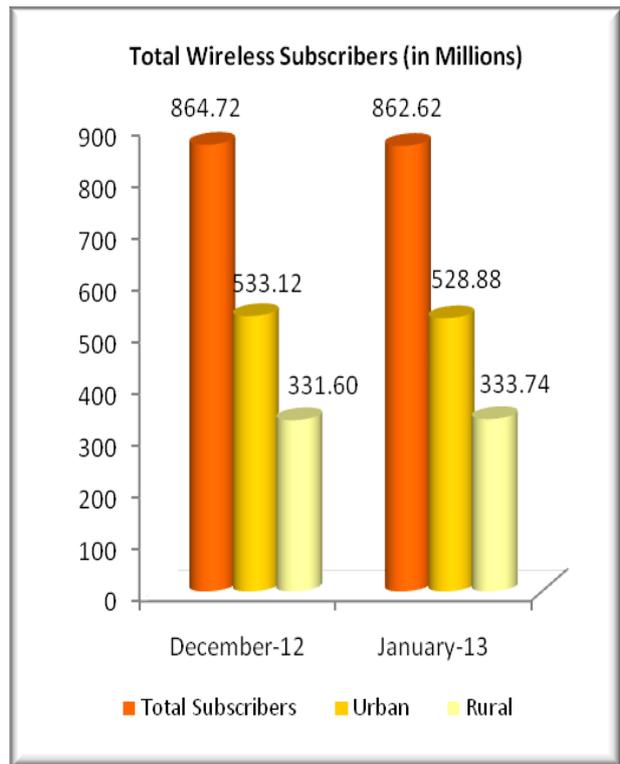


### Notes:

1. Population data/Projections are available state wise only.
2. Teledensity figures are derived from the subscriber data provided by the operators and the population projections published by the Office of the Registrar General & Census Commissioner, India.
3. Delhi Service area, apart from the State of Delhi, includes wireless subscribers of the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana). West Bengal service area includes Kolkata, Maharashtra includes Mumbai and Tamil Nadu includes Chennai

## II. Wireless Segment (GSM, CDMA & FWP)

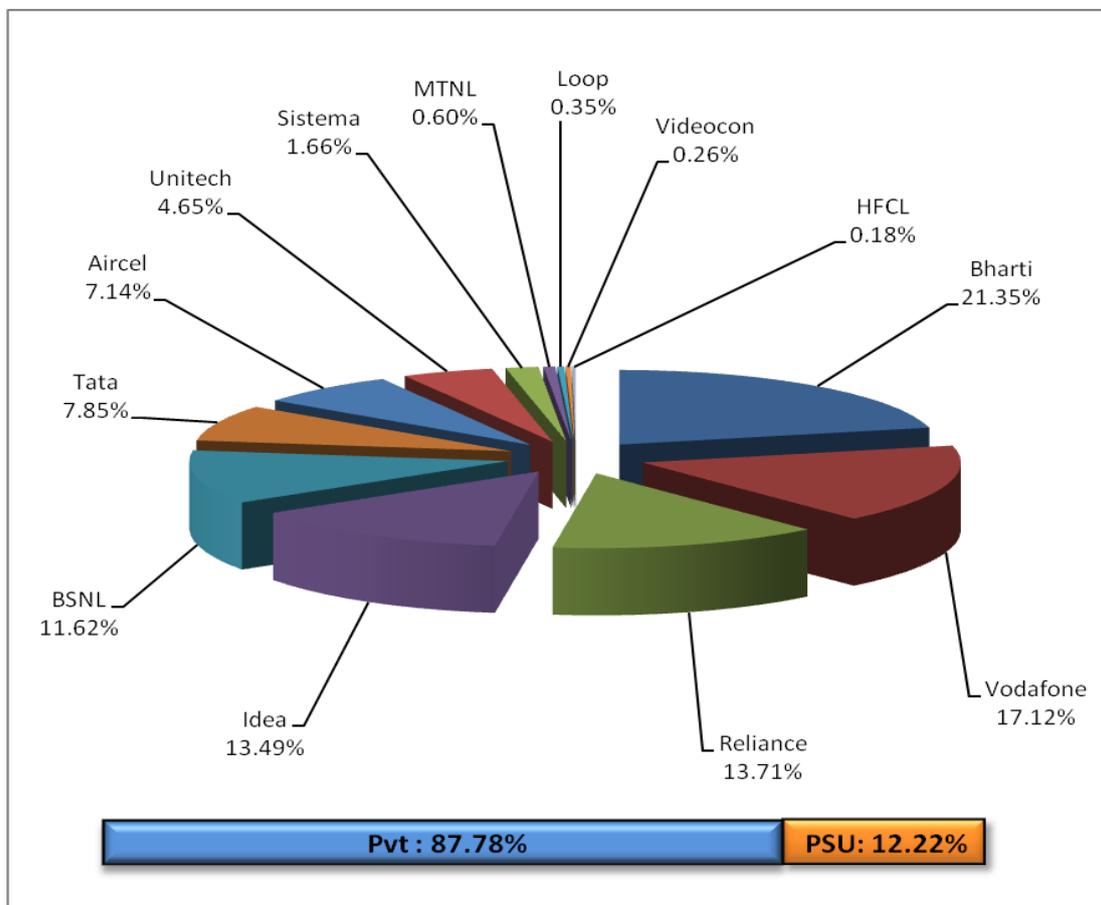
- Total wireless subscriber base decreased from 864.72 million in December 2012 to 862.62 million at the end of January 2013, registering a monthly growth of  $-0.24\%$ . This decline is mainly due to large scale disconnections of inactive SIMs by some of the service providers. The share of urban wireless subscribers has decreased from 61.65% to 61.31% where as share of rural wireless subscribers has increased from 38.35% to 38.69%. The overall wireless Teledensity in India has reached 70.57.



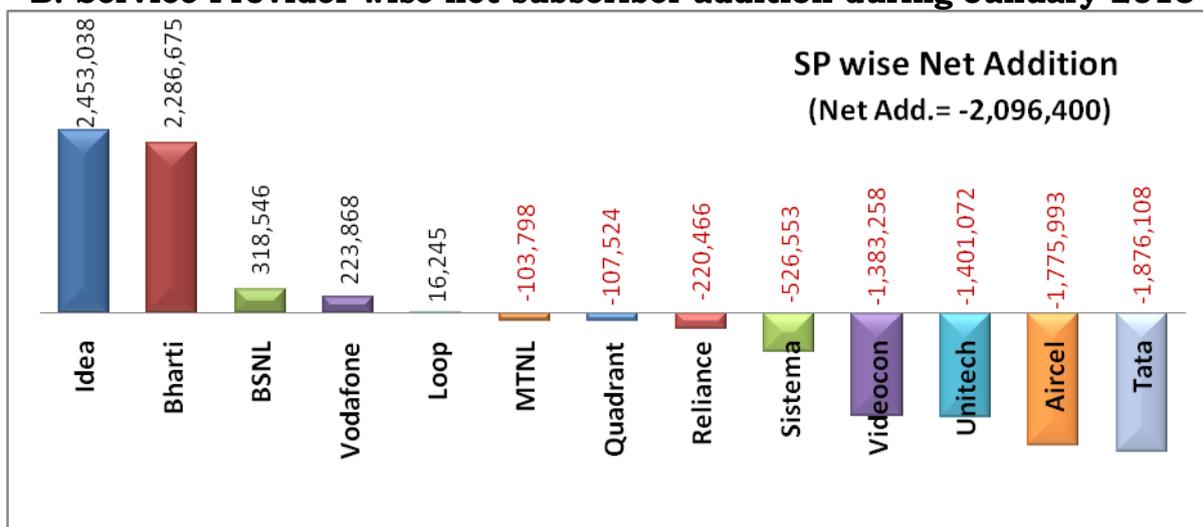
- Wireless subscription in urban areas decreased from 533.12 million in December 2012 to 528.88 million at the end of January 2013. The wireless subscription in rural areas increased from 331.60 million to 333.74 million during the same period. The urban wireless Teledensity has decreased from 143.48 to 142.10 and rural Teledensity has increased from 39.04 to 39.26. Detailed statistics is at Annexure I.

- Private operators hold 87.78% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 12.22% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of January, 2013 are given below:

**A. Service Provider wise Market Share as on 31<sup>st</sup> January, 2013.**



**B. Service Provider wise net subscriber addition during January 2013**

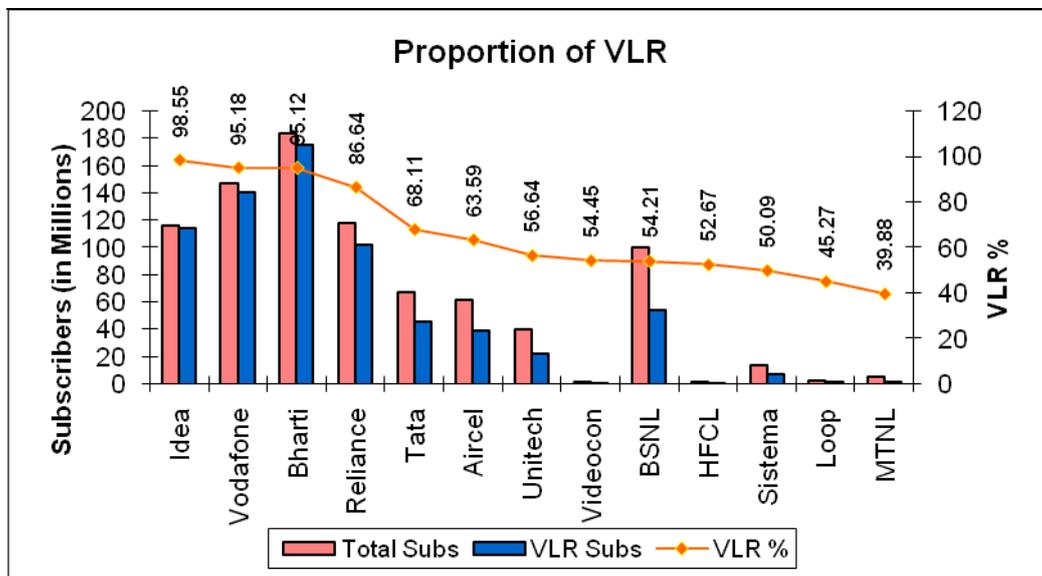


### III. VLR Data

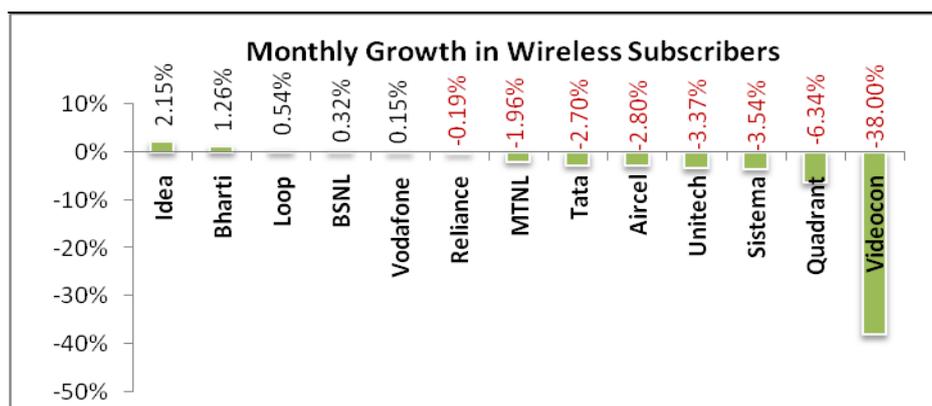
Out of the total 862.62 million wireless subscribers, 708.00\* million were active on the date of Peak VLR for the month of January 2013. The proportion of VLR subscribers is approximately 82.08% of the total wireless subscriber base reported by the service providers.

Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 88.15% followed by Madhya Pradesh (87.52%) and Gujarat (85.88%); Tamil Nadu (incl. Chennai) has the lowest proportion with 73.79%. Service Provider wise, Idea leads the tally with 98.55% followed by Vodafone (95.18%). The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

#### A. Proportion of VLR subscribers (Service Provider wise)

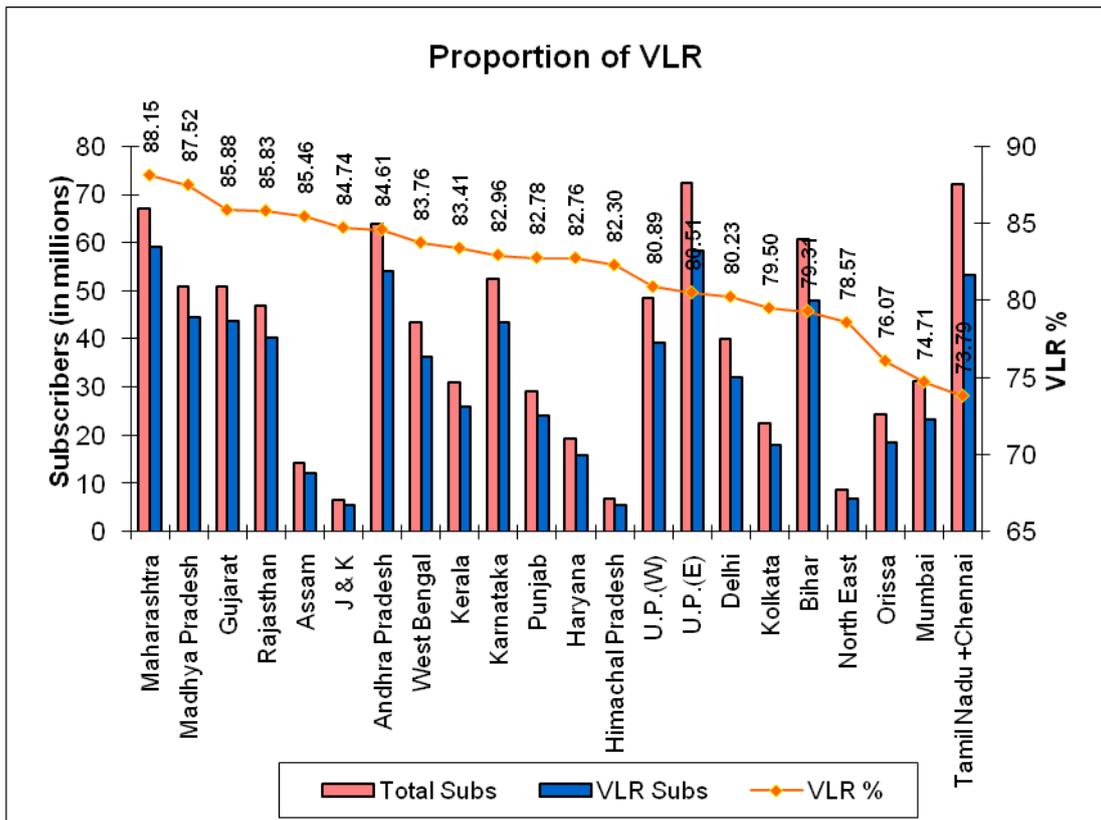


#### B. Service Provider wise growth in total subscribers (Dec.2012 – Jan.2013)

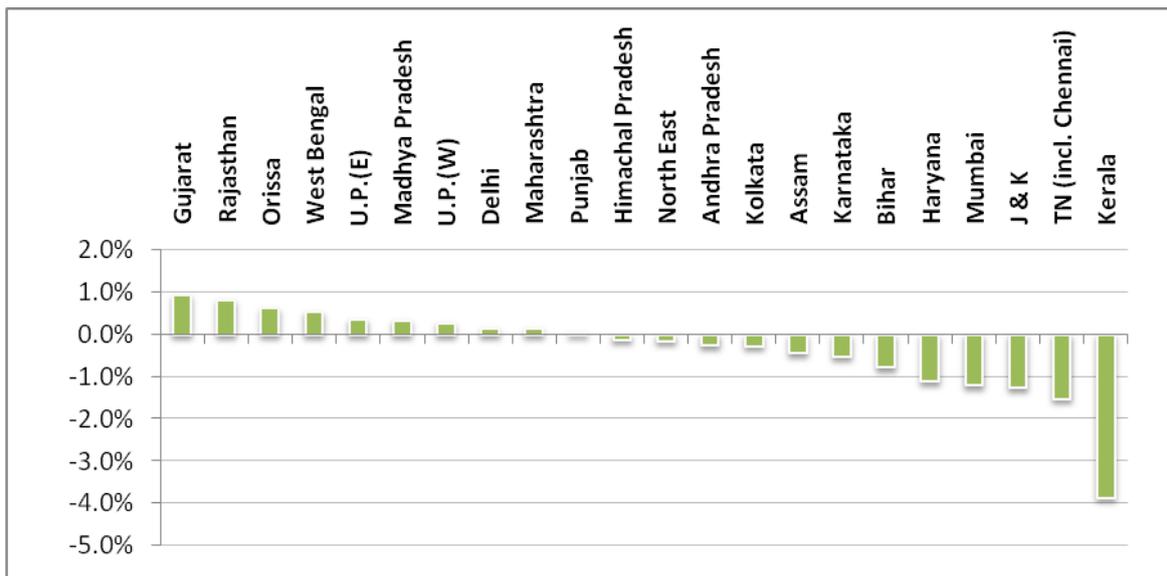


\* The total active VLR number excludes the CDMA VLR figure of M/s BSNL as the service provider has not provided the VLR figures of their total CDMA subscriber base of 2.78 million.

### C. Proportion of VLR subscribers (Service Area wise)



### D. Service Area wise growth in total subscribers (Dec. 2012 - Jan. 2013)



#### **IV. Mobile Number Portability**

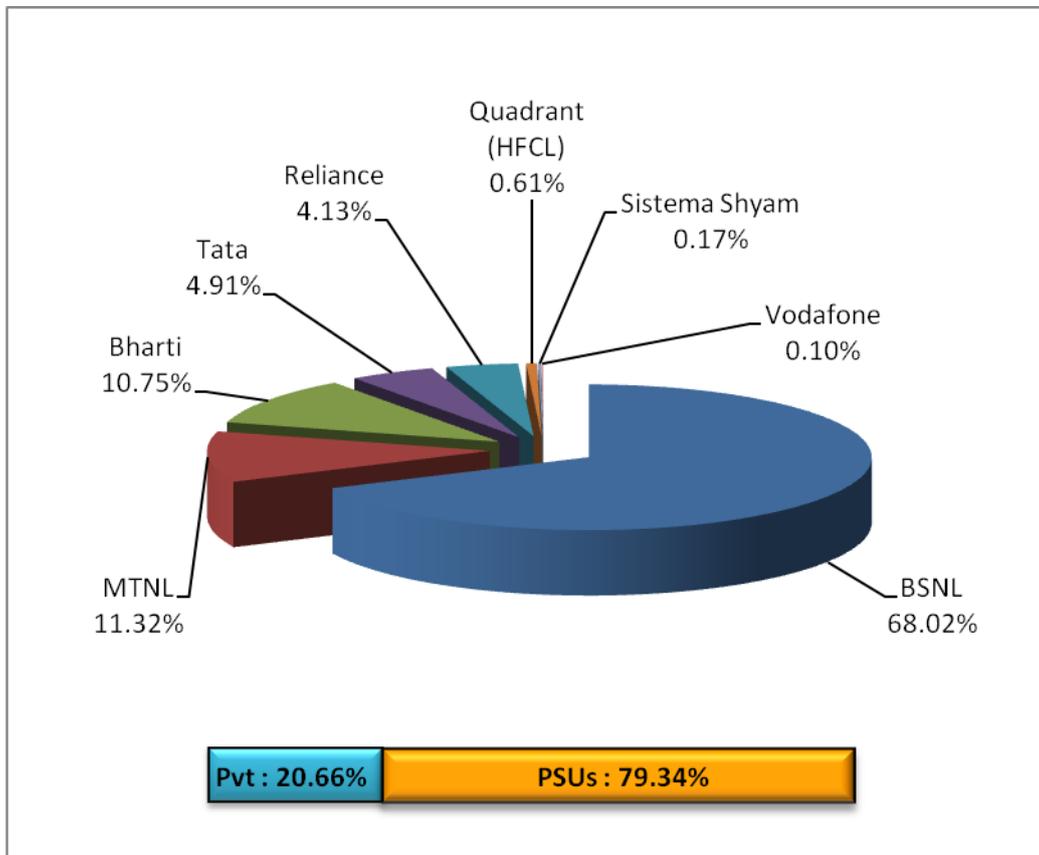
As per the data reported by the service providers, by the end of January 2013 about 84.26 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (7.96 million) followed by Gujarat (7.34 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (10.20 million) followed by Andhra Pradesh Service area (7.62 million). In the month of January 2013, total number of subscribers who have submitted their request for MNP is 4.20 million. The status of MNP requests in various service areas is given below:

<b>Service Area Wise MNP Status at the end of January 2013</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	2740132	Andhra Pradesh	7622912
Gujarat	7343825	Assam	333500
Himachal Pradesh	316019	Bihar	1654105
Haryana	3027364	Karnataka	10208134
Jammu & Kashmir	14368	Kerala	3552516
Maharashtra	6969298	Kolkata	1915282
Mumbai	2944310	Madhya Pradesh	4941624
Punjab	2713203	North East	149344
Rajasthan	7962868	Orissa	1868317
Uttar Pradesh - East	5068125	Tamil Nadu	4973129
Uttar Pradesh - West	4889155	West Bengal	3057035
<b>Total</b>	<b>43,988,667</b>	<b>Total</b>	<b>40,275,898</b>
<b>Total (Zone-1 + Zone-2)</b>			<b>84,264,565</b>
<b>Net Addition (in January 2013)</b>			<b>4,203,611</b>

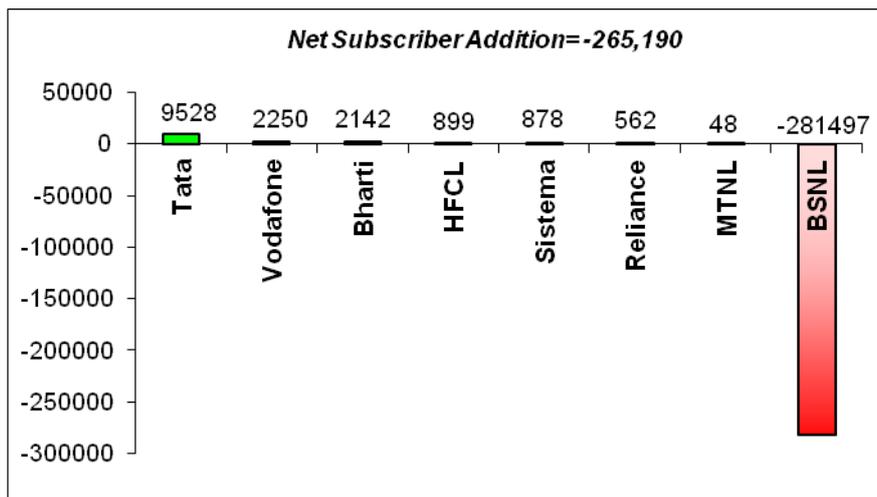
## **v. Wireline Segment**

Wireline subscriber base declined from 30.79 million at the end of December 2012 to 30.52 Million at the end of January 2013. Net reduction in wireline subscriber base was 0.27 million. The share of urban subscribers has increased from 77.43% to 77.54% where as share of rural subscribers has declined from 22.66% to 22.57%. The overall wireline Teledensity has marginally decreased from 2.52 in December 2012 to 2.50 in January 2013, with urban and rural Teledensity being 6.36 and 0.81 respectively. BSNL and MTNL, the two PSU operators hold 79.34% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service providers as on 31<sup>st</sup> January 2013 is given below:

### **A. Service Provider wise Market Share as on 31<sup>st</sup> January 2013**



**B. Wireline Service Provider wise Net addition during January 2013:**



## **VI. Category wise Growth**

- As can be seen from the following tables, the Circles in Category A show the highest reduction in subscriber base and Circles in Category Metro show highest rate of decline wireless segment. In wireline segment, Circles in Category C show the highest reduction and highest rate of decline in subscriber base from December 2012 to January 2013.

### **Category wise Net Additions and subscriber base**

Category	Net Additions during the month of January, 2013		Subscriber Base as on 31 <sup>st</sup> January, 2013	
	Wireline	Wireless	Wireline	Wireless
Circle A	-28301	-975728	12140908	306151879
Circle B	-69649	-243725	9597159	341163297
Circle C	-173736	-491911	1687730	121528339
Metro	6496	-385036	7095716	93780271
<b>All India</b>	<b>-265,190</b>	<b>-2,096,400</b>	<b>30,521,513</b>	<b>862,623,786</b>

### **Category-wise Growth Rate in Access Service**

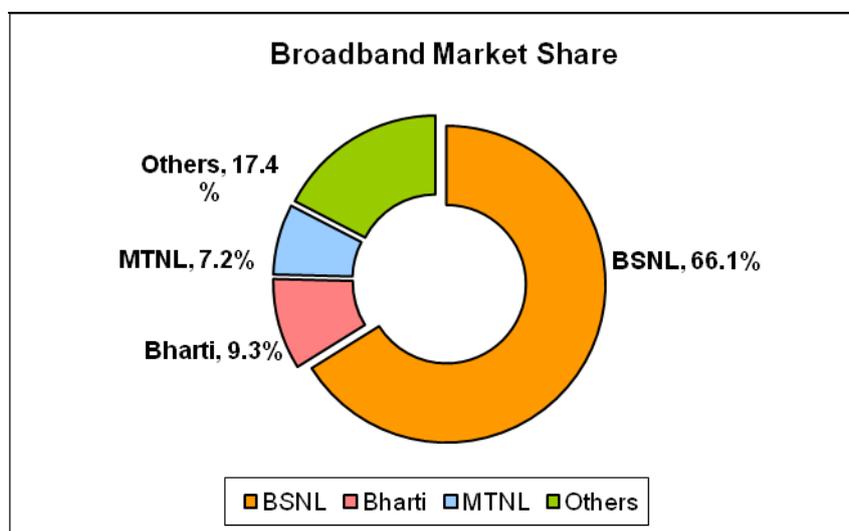
Category	Monthly Rate of Growth (Dec-2012 to Jan-2013)		Yearly rate of growth (Jan-2012 to Jan-2013)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.23%	-0.32%	-4.92%	-3.79%
Circle B	-0.72%	-0.07%	-8.35%	-4.52%
Circle C	-9.33%	-0.40%	-18.69%	-2.06%
Metro	0.09%	-0.41%	0.29%	-9.93%
<b>All India</b>	<b>-0.86%</b>	<b>-0.24%</b>	<b>-5.77%</b>	<b>-4.55%</b>

- Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN

## VII. Broadband ( $\geq 256$ Kbps download)

Total Broadband subscriber base has increased from 14.98 million at the end of December 2012 to 15.01 million at the end of January 2013, there by showing a monthly growth of 0.24%. Yearly growth in broadband subscribers is 11.88% during the last one year (January 2012 to January 2013).

As on 31<sup>st</sup> January 2013, there are 159 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of these, 113 ISPs have provided broadband subscription data for the month of January 2013, for the rest of the ISPs data from previous month has been retained (Data from top 10 ISPs, which constitute 93.34% of the total subscriber base, have been received for the month of January 2013). Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.93 million), Bharti Airtel (1.39 million), MTNL (1.09 million), Hathway (0.37 million) and You Broadband (0.30 million).



Contact details in case of any clarification:

**Manish Sinha, Advisor (F&EA), TRAI**

Mahanagar Doorsanchar Bhawan

Jawahar Lal Nehru Marg,

New Delhi – 110002,

Ph: 011-23230752

Fax: 011-23236650

E-mail: [adveco@traigov.in](mailto:adveco@traigov.in)

Authorised to issue:

**(Manish Sinha)  
Advisor (F&EA)**

**Note:** Information in this Press Release is based on the data provided by the Service Providers.

## Wireless Subscriber Base

Annexure-I

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Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13
Andhra Pradesh	17704841	17884934	6809259	6778745	6080916	5688911	6898277	6659964	10632055	10838496	1871685	1802320	9219802	9257286
Assam	3826231	3851324	3060184	3048336	2188073	2208121	120238	0	368973	382840	3542284	3550416	1228242	1230918
Bihar	18619726	18798853	9215889	9205292	6381278	6381973	3853362	3745212	5459296	5587271	4981643	4767543	6003257	5975541
Delhi	9027895	9105754	7424422	7441989	8449120	8460140	3755144	3756016	4650742	4737090	2951145	2850948	0	0
Gujarat	6810708	6983467	6719447	6723250	15801116	15811116	3018060	2956176	8018178	8226195	338457	294655	4254238	4265027
Haryana	2217759	2260697	2121823	2127552	4437015	4460102	2677383	2667699	3533255	3614670	427498	185758	3043033	3052798
Himachal Pradesh	1904509	1914645	1436357	1466812	475329	476232	196230	190353	447450	448972	714277	699378	1586782	1601048
J & K	2302707	2320283	606558	606341	666009	610925	85035	0	201578	208269	1786423	1808200	1153690	1162539
Karnataka	15896254	16005226	6416357	6422020	6452620	6578801	6309062	6020557	5890723	6070121	1544826	1563895	6998146	7022983
Kerala	3433402	3464751	2885016	2886400	6067506	6099518	1992262	1896682	7778697	7869341	1522927	354883	7621921	7666262
Kolkata	3579518	3662644	4152963	4123621	4084284	4138689	2804426	2885466	1153806	1250623	1858443	1852675	2315303	2295804
Madhya Pradesh	9656948	9796757	11549105	11585308	4101877	3966891	3937441	3896930	14731226	14991810	680866	653287	5030107	5140167
Maharashtra	9835555	9930085	7830723	7731522	12977123	13074351	6519501	6340285	15554910	15840410	1116017	1134782	6687309	6737300
Mumbai	3483357	3559119	5982157	5984368	6160353	6110330	3488432	3432943	2803928	2886271	1391669	1450948	0	0
North East	2573994	2610008	830331	836595	928563	939346	77214	0	257734	267417	2334209	2338464	1736293	1733524
Orissa	6652023	6756065	3813211	3664119	2789575	2875352	2205917	2142853	911343	963793	2791997	2893967	4438237	4470678
Punjab	6800705	6857498	2840719	2847712	4309853	4329581	2493061	2455289	5493576	5565174	973252	972375	4389946	4397239
Rajasthan	14181992	14379504	5379429	5385665	8565366	8637532	3071790	2985998	4515251	4674801	2712870	2792442	5930085	5911845
Tamil Nadu (incl. Chennai)	13318162	13343591	6459310	6541975	11869338	11961249	5746318	5508564	2172759	2228730	21725106	21367505	9439883	9489101
U.P.(E)	14940643	15013282	9648465	9661637	14526236	14491774	4141889	4083136	6978230	6968905	3589906	3774238	10295513	10303309
U.P.(W)	6413401	6532214	6647314	6587565	8999073	9031358	4026419	3931987	10189727	10385262	1509375	1409150	4928465	4903491
West Bengal	8726562	9162866	6699230	6650979	11165667	11367866	2140661	2125904	2203390	2393404	2982409	3053462	3622095	3624033
<b>Total</b>	<b>181906892</b>	<b>184193567</b>	<b>118528269</b>	<b>118307803</b>	<b>147476290</b>	<b>147700158</b>	<b>69558122</b>	<b>67682014</b>	<b>113946827</b>	<b>116399865</b>	<b>63347284</b>	<b>61571291</b>	<b>99922347</b>	<b>100240893</b>

## Wireless Subscriber Base

## Annexure-I

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Circle	Group												Total		
	MTNL		Unitech		Sistema		Loop		Videocon		Quadrant (HFCL)		Dec-12	Jan-13	
	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	
Andhra Pradesh	0	0	4029580	4226266	679838	637894	0	0	9763	0	0	0	0	63936016	63774816
Assam	0	0	779	776	1280	1280	0	0	0	0	0	0	0	14336284	14274011
Bihar	0	0	5005668	4750129	1481580	1314278	0	0	18598	18596	0	0	0	61020297	60544688
Delhi	2591964	2590274	0	0	962588	929889	0	0	0	0	0	0	0	39813020	39872100
Gujarat	0	0	4430904	4650839	231729	224103	0	0	657286	618785	0	0	0	50280123	50753613
Haryana	0	0	437	405	156659	147716	0	0	913010	794797	0	0	0	19527872	19312194
Himachal Pradesh	0	0	151	143	71	71	0	0	44555	0	0	0	0	6805711	6797654
J & K	0	0	319	312	21	21	0	0	0	0	0	0	0	6802340	6716890
Karnataka	0	0	1061461	686045	2204660	2137127	0	0	8086	0	0	0	0	52782195	52506775
Kerala	0	0	391794	263745	541973	501620	0	0	9730	0	0	0	0	32245228	31003202
Kolkata	0	0	1774330	1456841	887156	882258	0	0	12	0	0	0	0	22610241	22548621
Madhya Pradesh	0	0	1313	1255	3121	3153	0	0	976589	806625	0	0	0	50668593	50842183
Maharashtra	0	0	5638910	5502934	676571	651414	0	0	8683	0	0	0	0	66845302	66943083
Mumbai	2709954	2607846	1841764	1868314	459822	447707	2995459	3011704	425151	0	0	0	0	31742046	31359550
North East	0	0	90	90	151	151	0	0	0	0	0	0	0	8738579	8725595
Orissa	0	0	703260	701887	803	787	0	0	10673	0	0	0	0	24317039	24469501
Punjab	0	0	430	411	1147	1146	0	0	0	0	1695919	1588395	0	28998608	29014820
Rajasthan	0	0	1045	1032	2207814	2188875	0	0	6687	0	0	0	0	46572329	46957694
Tamil Nadu (incl. Chennai)	0	0	803528	505180	1234562	1227697	0	0	515005	0	0	0	0	73283971	72173592
U.P.(E)	0	0	7262667	7399456	581226	537198	0	0	14635	14629	0	0	0	71979410	72247564
U.P.(W)	0	0	5001245	5119624	617722	570069	0	0	5343	3622	0	0	0	48338084	48474342
West Bengal	0	0	3570869	2983788	1949509	1948996	0	0	16506	0	0	0	0	43076898	43311298
<b>Total</b>	<b>5301918</b>	<b>5198120</b>	<b>41520544</b>	<b>40119472</b>	<b>14880003</b>	<b>14353450</b>	<b>2995459</b>	<b>3011704</b>	<b>3640312</b>	<b>2257054</b>	<b>1695919</b>	<b>1588395</b>	<b>864720186</b>	<b>862623786</b>	

<b>Proportion of VLR on the date of Peak VLR in the month of Jan, 2013 (%) Annexure-II</b>														
<b>Circle</b>	<b>Aircel</b>	<b>Bharti</b>	<b>BSNL (Except CDMA)</b>	<b>HFCL</b>	<b>Idea</b>	<b>Loop</b>	<b>MTNL</b>	<b>Reliance</b>	<b>Sistema</b>	<b>Tata</b>	<b>Unitech</b>	<b>Videocon</b>	<b>Vodafone</b>	<b>Total</b>
Andhra Pradesh	58.26	97.66	71.45		97.59			79.96	55.73	74.71	55.97		90.21	<b>84.61</b>
Assam	84.92	97.45	71.40		90.92			67.98	85.23		15.46		96.45	<b>85.46</b>
Bihar	56.11	97.44	34.52		100.03			84.29	38.92	56.69	56.22	1.00	98.84	<b>79.31</b>
Delhi	61.01	82.09			97.01		46.91	91.96	41.60	55.94			90.23	<b>80.23</b>
Gujarat	92.58	95.94	60.63		97.81			89.84	38.76	63.83	57.72	59.50	94.35	<b>85.88</b>
Haryana	86.87	97.13	51.27		98.33			92.28	29.74	66.06	8.64	53.28	96.71	<b>82.76</b>
Himachal Pradesh	59.59	95.58	66.60		101.66			84.41	214.08	59.00	12.59		99.57	<b>82.30</b>
J & K	88.68	94.69	66.28		85.93			63.76	57.14		28.53		90.84	<b>84.74</b>
Karnataka	20.26	98.16	54.30		95.72			83.13	58.37	76.22	0.21		91.80	<b>82.96</b>
Kerala	322.83	95.08	64.16		100.04			76.40	55.31	74.74	0.83		91.05	<b>83.41</b>
Kolkata	61.84	93.45	35.14		93.42			95.32	50.10	80.17	50.98		95.56	<b>79.50</b>
Madhya Pradesh	20.56	96.03	52.38		104.12			86.19	37.20	72.23	25.66	54.17	86.00	<b>87.52</b>
Maharashtra	50.25	92.51	70.34		99.39			88.91	54.09	80.62	62.86		99.20	<b>88.15</b>
Mumbai	58.76	96.47			88.92	45.27	32.90	94.47	28.57	64.97	44.87		90.06	<b>74.71</b>
North East	71.91	96.19	52.20		83.88			81.22	207.28		7.78		90.95	<b>78.57</b>
Orissa	52.54	97.10	58.21		83.39			81.14	67.85	72.74	0.37		90.12	<b>76.07</b>
Punjab	47.99	95.57	54.48	52.67	96.21			94.28	22.86	67.94	13.63		93.70	<b>82.78</b>
Rajasthan	79.88	94.35	46.92		107.68			93.64	49.85	65.25	18.31		99.76	<b>85.83</b>
Tamil Nadu (incl. Chennai)	60.70	93.96	48.97		75.79			86.22	57.70	61.29	0.41		97.71	<b>73.79</b>
U.P. (E)	66.52	97.08	43.43		101.32			82.38	32.81	62.63	66.06	0.55	96.37	<b>80.51</b>
U.P. (W)	65.75	87.38	46.29		97.46			84.61	34.58	60.67	62.26	1.08	97.90	<b>80.89</b>
West Bengal	61.64	96.09	48.49		96.50			93.68	60.59	54.97	62.88		97.37	<b>83.76</b>
<b>Total</b>	<b>63.59</b>	<b>95.12</b>	<b>54.21</b>	<b>52.67</b>	<b>98.55</b>	<b>45.27</b>	<b>39.88</b>	<b>86.64</b>	<b>50.09</b>	<b>68.11</b>	<b>56.64</b>	<b>54.45</b>	<b>95.18</b>	<b>82.08</b>

Wireline Subscriber Base																	Annexure-III	
Circle	Group																	
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total	
	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13	Dec-12	Jan-13
Andhra Pradesh	1871305	1868092			125670	125749	89665	89788	169544	169472					5340	5,400	2261524	2258501
Assam	193952	193965							2729	0					60	150	196741	194115
Bihar	543899	376232					4978	4978	11154	11179					30	60	560061	392449
Delhi	0	0	1584555	1586226	1082027	1082791	186636	187050	88935	91407					7740	8,580	2949893	2956054
Gujarat	1561561	1564601			55397	55432	101231	100845	68546	69185					240	330	1786975	1790393
Haryana	515927	509,455			23935	23946	5146	5171	26336	27524							571344	566096
Himachal Pradesh	285983	283,597					4462	4492	2225	2267							292670	290356
J & K	198715	197,867							370	0							199085	197867
Karnataka	1705830	1698816			491746	492064	113270	113,671	137184	139448					3090	3,330	2451120	2447329
Kerala	2972537	2963352			55903	55934	54469	54440	11640	11732							3094549	3085458
Kolkata	938584	935168			93906	93972	81350	81465	36569	37357					1260	1,440	1151669	1149402
Madhya Pradesh	834788	835744			241771	241921	28459	28215	15188	15445					60	60	1120266	1121385
Maharashtra	2113234	2097654			70312	70357	102069	101817	246381	246170					2520	2,640	2534516	2518638
Mumbai	0	0	1870948	1869325	331726	331937	235596	236042	542728	546146					6660	6,810	2987658	2990260
North East	217565	216915							238	0							217803	216915
Orissa	384670	385484					3589	3591	6637	6713					210	240	395106	396028
Punjab	1037448	1019448			105918	105979	26754	26543	15966	16466	183817	184716			240	270	1370143	1353422
Rajasthan	963456	928757			39361	39384	24739	24750	6848	6981			49692	50570	240	240	1084336	1050682
Tamil Nadu (incl. Chennai)	2426680	2416073			485845	486146	148146	148268	72903	73760					1500	1800	3135074	3126047
U.P.(E)	954373	950351			50550	50583	40461	40517	13263	13470					420	420	1059067	1055341
U.P.(W)	735439	734046			24308	24322	5520	5546	8363	8539					30	120	773660	772573
West Bengal	585158	583990					2199	2112	6086	6100							593443	592202
<b>Total</b>	<b>21041104</b>	<b>20759607</b>	<b>3455503</b>	<b>3455551</b>	<b>3278375</b>	<b>3280517</b>	<b>1258739</b>	<b>1259301</b>	<b>1489833</b>	<b>1499361</b>	<b>183817</b>	<b>184716</b>	<b>49692</b>	<b>50570</b>	<b>29640</b>	<b>31890</b>	<b>30786703</b>	<b>30521513</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 mobile phone operator. 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 mobile phone operator. 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 Home Location Register(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 Distributional Cannels (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 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.

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