

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 11<sup>th</sup> January 2013  
(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 30<sup>th</sup> November 2012**

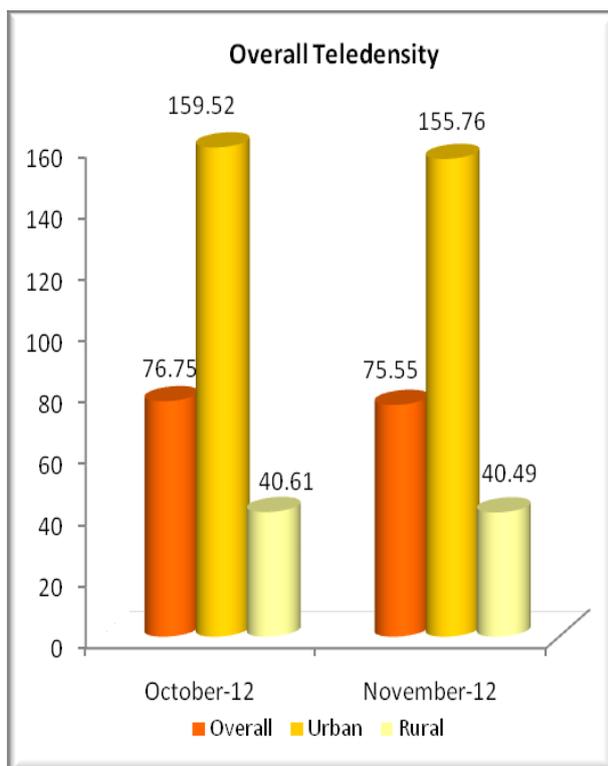
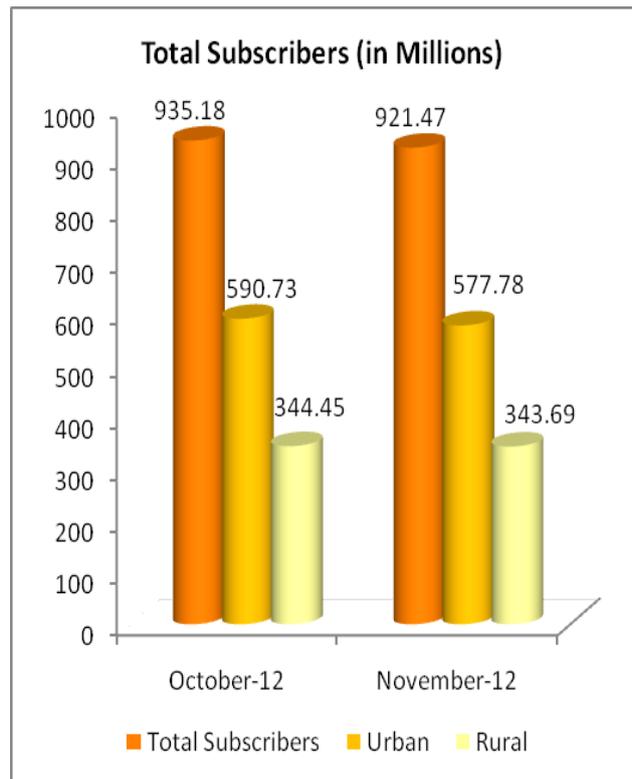
Particulars	Wireless	Wireline	Total Wireless + Wireline
<b>Total Subscribers</b> (Millions)	<b>890.60</b>	<b>30.87</b>	<b>921.47</b>
Total Net Monthly Addition (Millions)	-13.63	-0.08	-13.70
Monthly Growth (%)	-1.51%	-0.25%	-1.47%
<b>Urban Subscribers</b> (Millions)	<b>553.91</b>	<b>23.87</b>	<b>577.78</b>
Urban Subscribers Net Monthly Addition (Millions)	-12.91	-0.04	-12.95
Monthly Growth (%)	-2.28%	-0.18%	-2.19%
<b>Rural Subscribers</b> (Millions)	<b>336.70</b>	<b>6.99</b>	<b>343.69</b>
Rural Subscribers Net Monthly Addition (Millions)	-0.72	-0.03	-0.75
Monthly Growth (%)	-0.21%	-0.50%	-0.22%
<b>Overall Teledensity*</b>	<b>73.02</b>	<b>2.53</b>	<b>75.55</b>
Urban Teledensity*	149.32	6.44	155.76
Rural Teledensity*	39.67	0.82	40.49
Share of Urban Subscribers	62.19%	77.34%	62.70%
Share of Rural Subscribers	37.81%	22.66%	37.30%

- ❖ Mobile Number Portability requests increased from 75.14 million subscribers at the end of October 2012 to 77.13 million at the end of November 2012. In the month of November 2012 alone, 1.99 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in November 2012 are 707.28 Million, 79.42% of the total subscribers.
- ❖ Broadband subscription reached 14.88 million in November 2012 from 14.81 million in October 2012.

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

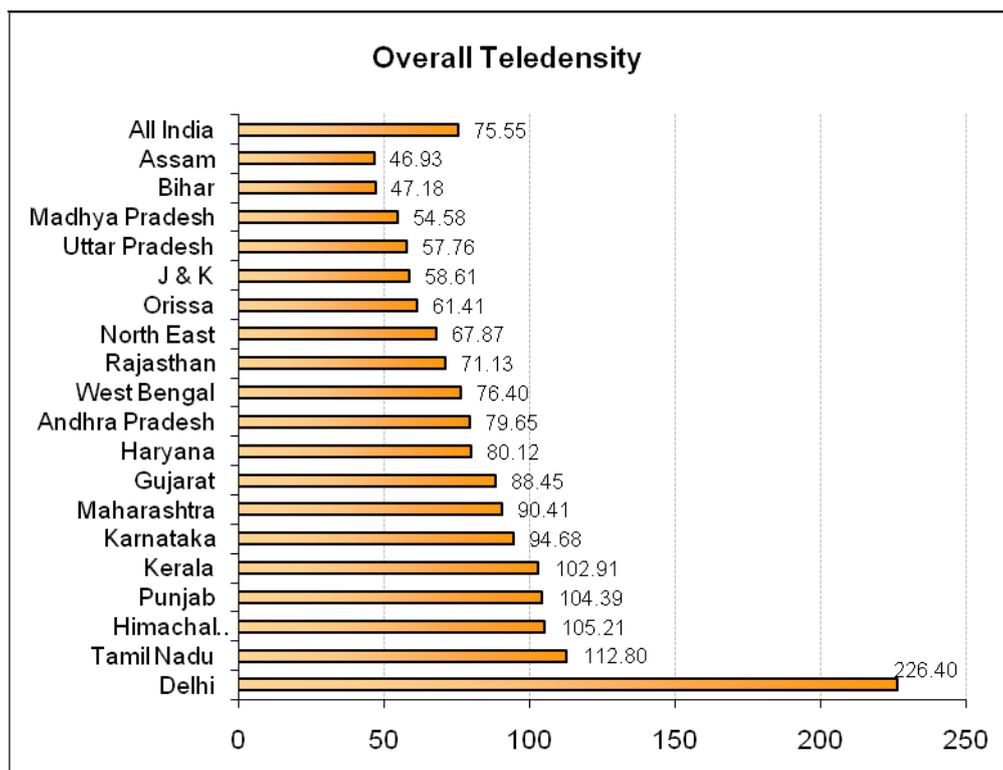
## I. Total Telephone Subscribers

• The number of telephone subscribers in India decreased to 921.47 million at the end of November, 2012 from 935.18 million at the end of October 2012, thereby registering a monthly growth rate of -1.47%. The share of urban subscribers has declined to 62.70% from 63.17% whereas share of rural subscribers has increased to 37.30% in the month of November 2012. With this, the overall Teledensity in India decreased to 75.55 at the end of November, 2012 from 76.75 of the previous month.



• Subscription in the urban areas decreased from 590.73 million in October, 2012 to 577.78 million at the end of November, 2012. Subscription in rural areas decreased from 344.45 million to 343.69 million during the same period. The monthly growth rate of urban and rural subscription is -2.19% and -0.22% respectively. The overall urban Teledensity has decreased from 159.52 to 155.76 and Rural Teledensity decreased from 40.61 to 40.49.

## Overall Teledensity (Circle Wise)

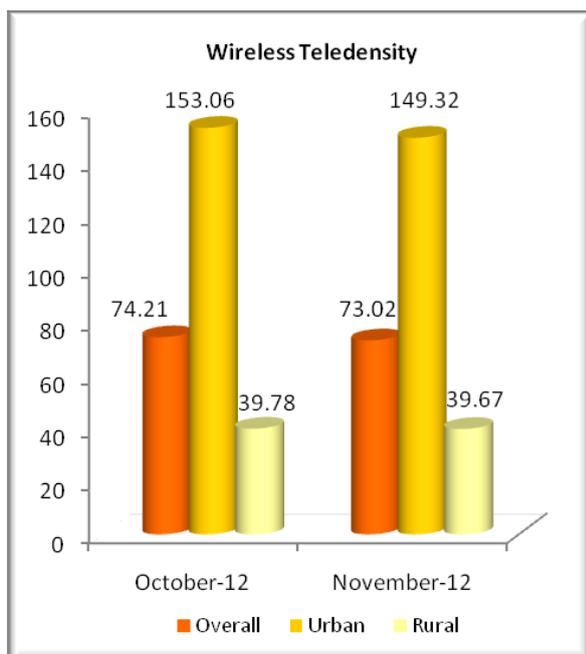
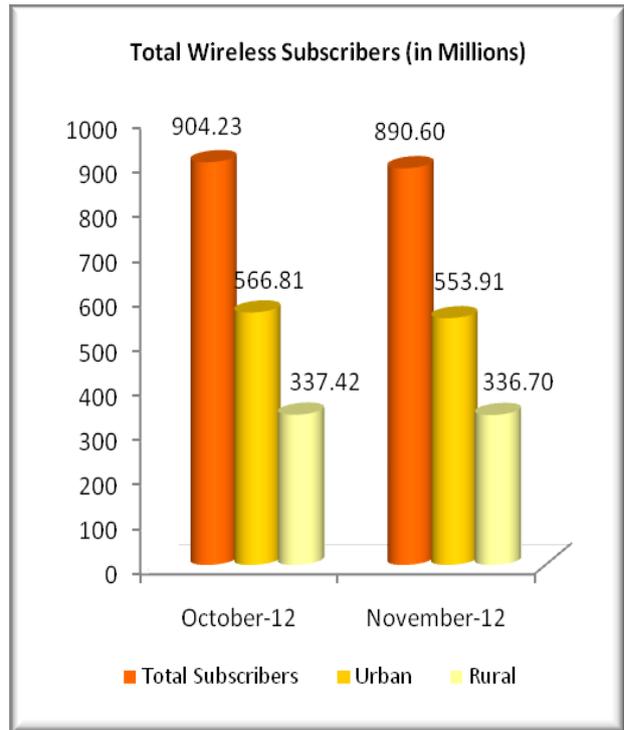


### Notes:

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)

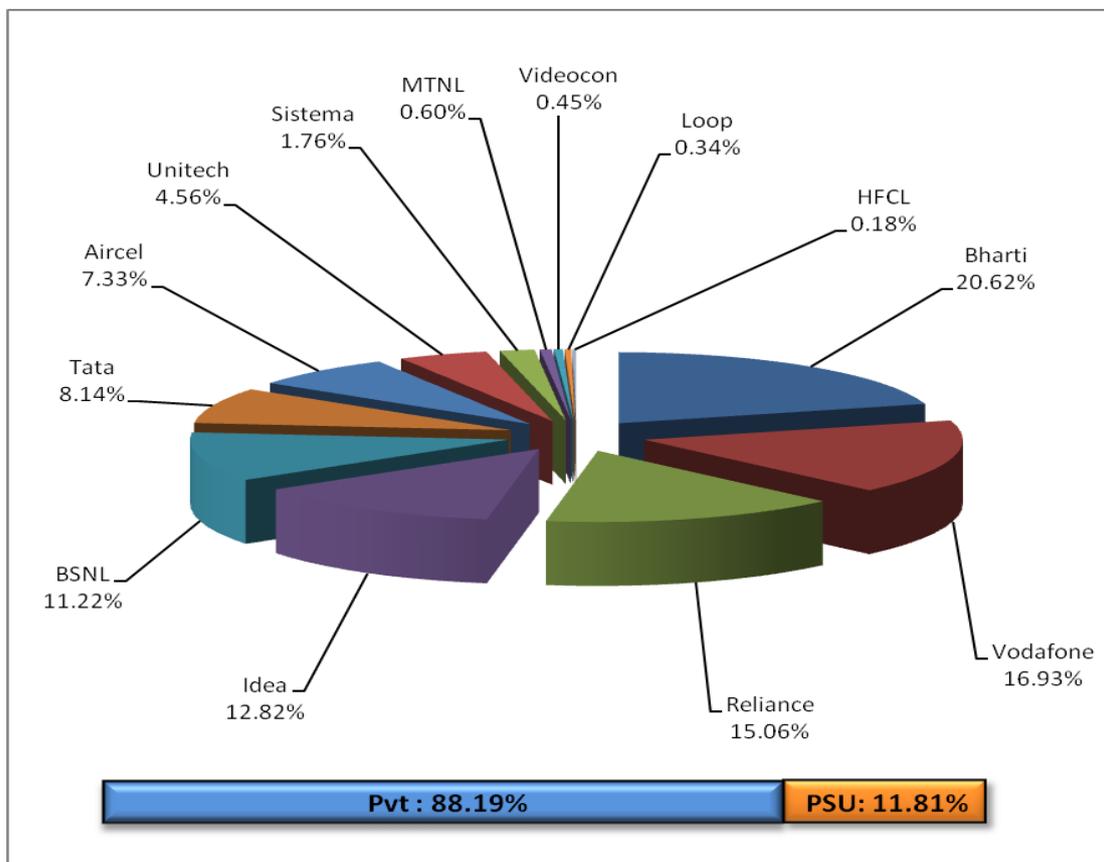
- Total wireless subscriber base decreased from 904.23 million in October 2012 to 890.60 million at the end of November 2012, registering a monthly growth of -1.51%. This decline is due to large scale disconnections by some of the service providers. The share of urban wireless subscribers has decreased from 62.68 % to 62.19% where as share of rural wireless subscribers has increased from 37.32% to 37.81%. The overall wireless Teledensity in India has reached 73.02.



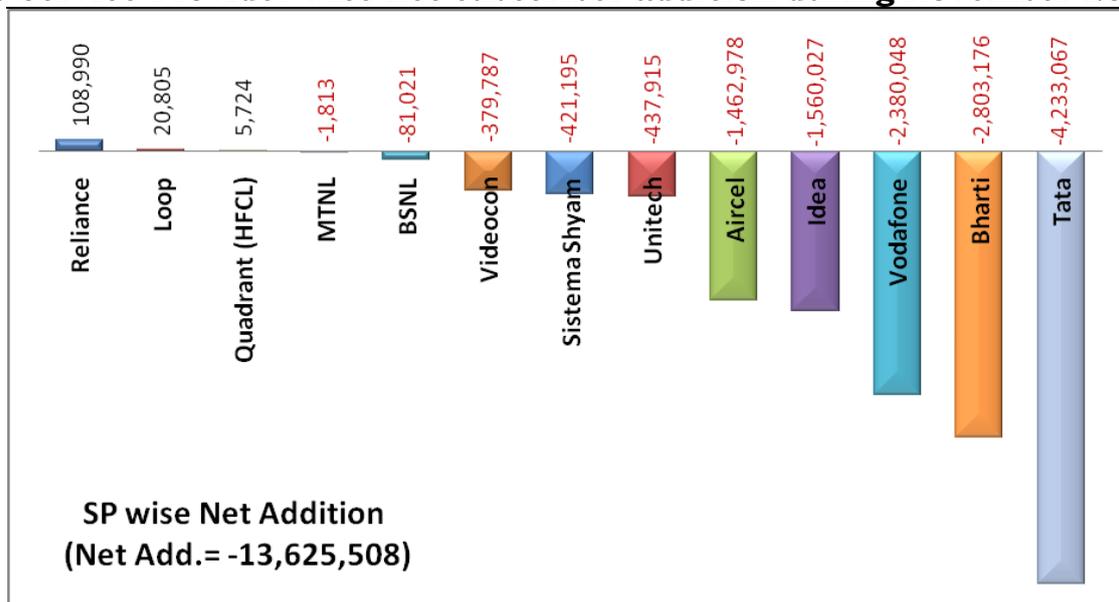
- Wireless subscription in urban areas decreased from 566.81 million in October 2012 to 553.91 million at the end of November 2012. The wireless subscription in rural areas decreased from 337.42 million to 336.70 million during the same period. The urban wireless Teledensity has decreased from 153.06 to 149.32 and rural Teledensity has decreased from 39.78 to 39.67. Detailed statistics is at Annexure I.

- Private operators hold 88.19% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.81% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of November, 2012 are given below:

**A. Service Provider wise Market Share as on 30<sup>th</sup> November, 2012.**



**B. Service Provider wise net subscriber addition during November 2012**

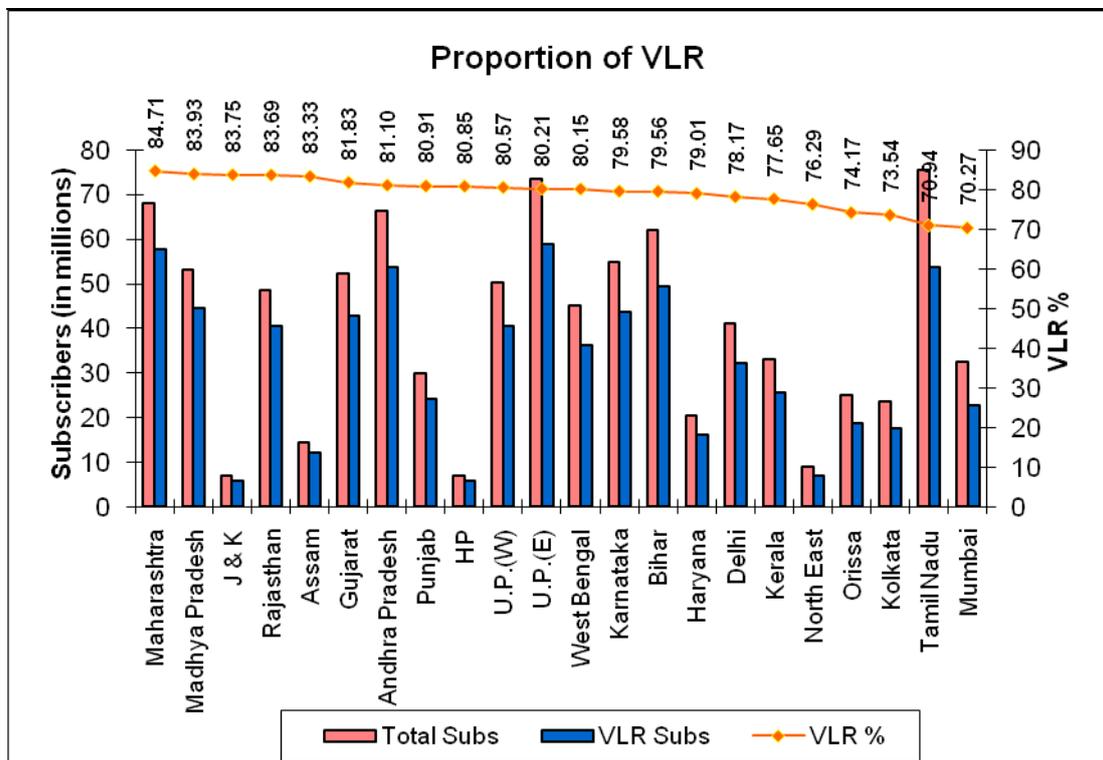


### III. VLR Data

Out of the total 890.60 million wireless subscribers, 707.28\* million were active on the date of Peak VLR for the month of November 2012. The proportion of VLR subscribers is approximately 79.42% of the total wireless subscriber base reported by the service providers.

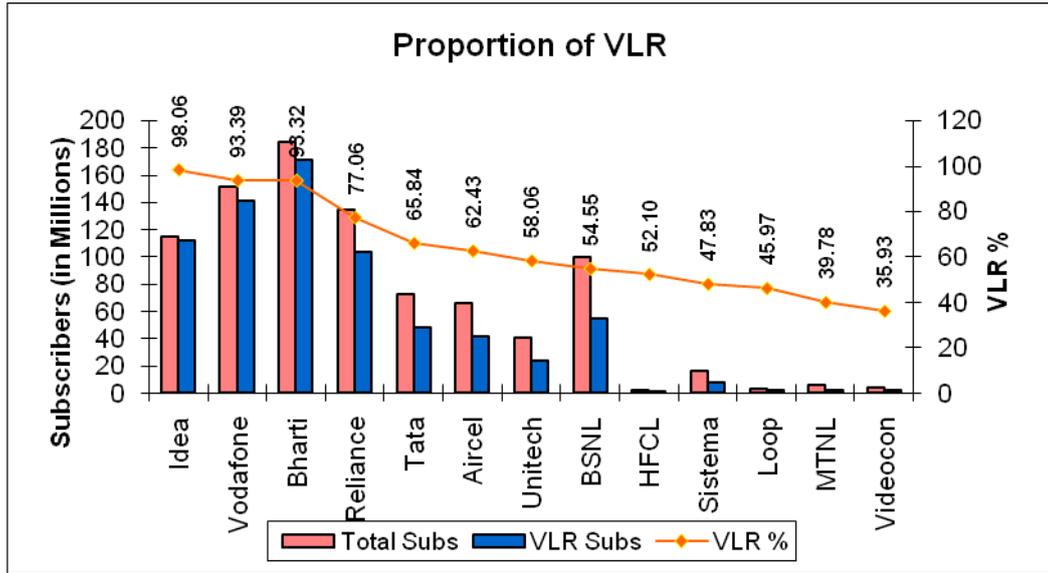
Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 84.71% followed by Madhya Pradesh (83.93%) and J&K (83.76%); Mumbai has the lowest proportion with 70.27%. Service Provider wise, Idea leads the tally with 98.06% followed by Vodafone (93.39%). The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

#### Proportion of VLR subscribers (Circle wise)



\* 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 3.13 million.

**Proportion of VLR subscribers (Service Provider wise)**



**Service Provider wise growth in subscriber base (October-November 2012).**



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

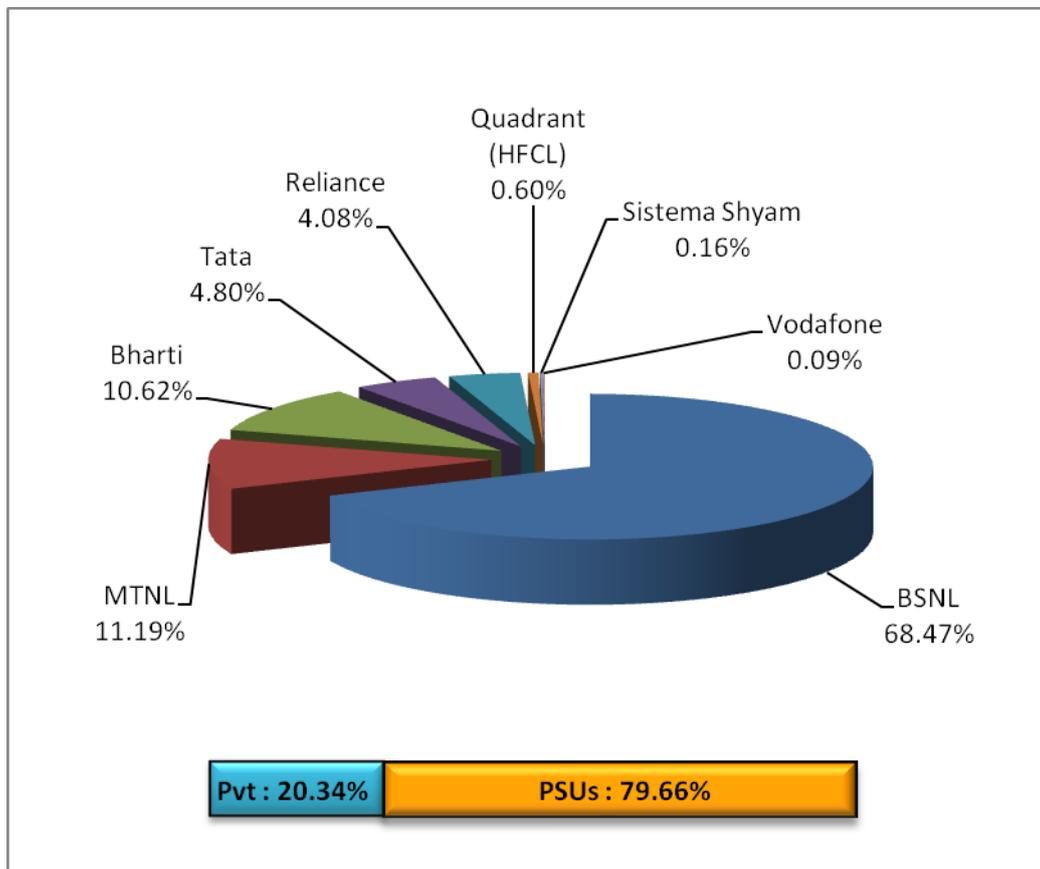
As per the data reported by the service providers, by the end of November 2012 about 77.13 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (7.33 million) followed by Maharashtra (6.67 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (9.62 million) followed by Andhra Pradesh Service area (7.22 million). In the month of November 2012, total number of subscribers who have submitted their request for MNP is 5.36 million. The status of MNP requests in various service areas is given below:

<b>Service Area Wise MNP Status at the end of November 2012</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	2524576	Andhra Pradesh	7219016
Gujarat	6647941	Assam	311249
Himachal Pradesh	304780	Bihar	1544583
Haryana	2833573	Karnataka	9619820
Jammu & Kashmir	10542	Kerala	3210551
Maharashtra	6669181	Kolkata	1357647
Mumbai	2733537	Madhya Pradesh	4545805
Punjab	2542275	North East	137804
Rajasthan	7330670	Orissa	1794197
Uttar Pradesh - East	4736636	Tamil Nadu	4742289
Uttar Pradesh - West	4321849	West Bengal	1987137
<b>Total</b>	<b>40,655,560</b>	<b>Total</b>	<b>36,470,098</b>
<b>Total (Zone-1 + Zone-2)</b>			<b>77,125,658</b>
<b>Net Addition (in November 2012)</b>			<b>1,986,283</b>

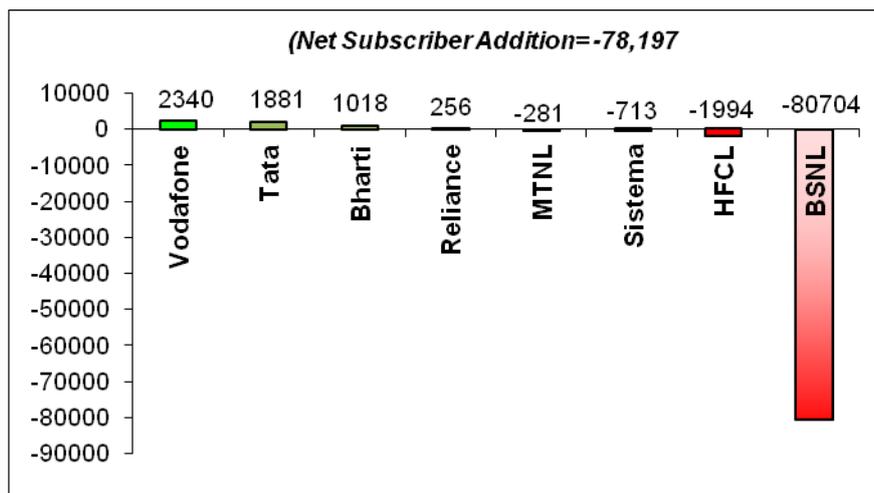
## **v. Wireline Segment**

Wireline subscriber base declined from 30.95 million at the end of October 2012 to 30.87 Million at the end of November 2012. Net reduction in wireline subscriber base was 0.08 million. The share of urban subscribers has increased from 77.29% to 77.34% where as share of rural subscribers has declined from 22.71% to 22.66%. The overall wireline Teledensity has marginally decreased from 2.54 in October 2012 to 2.53 in November 2012, with urban and rural Teledensity being 6.44 and 0.82 respectively. BSNL and MTNL, the two PSU operators hold 79.66% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service providers as on 30<sup>th</sup> November 2012 is given below:

### **A. Service Provider wise Market Share as on 30<sup>th</sup> November 2012**



**B. Wireline Service Provider wise Net addition during November 2012:**



## **VI. Category wise Growth**

- As can be seen from the following tables, while the Circles in Category A show the highest reduction and highest rate of decline in the wireless sector from October 2012 to November 2012. In wireline segment, the Circles in Category B have shown the highest reduction in subscriber base and the highest monthly rate of reduction.

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

Category	Net Additions during the month of November, 2012		Subscriber Base as on 30 <sup>th</sup> November, 2012	
	Wireline	Wireless	Wireline	Wireless
Circle A	-34403	-6269240	12199443	316749871
Circle B	-44562	-4850967	9717892	352940781
Circle C	-156	-757559	1867229	123972026
Metro	924	-1747742	7084861	96941092
<b>All India</b>	<b>-78,197</b>	<b>-13,625,508</b>	<b>30,869,425</b>	<b>890,603,770</b>

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

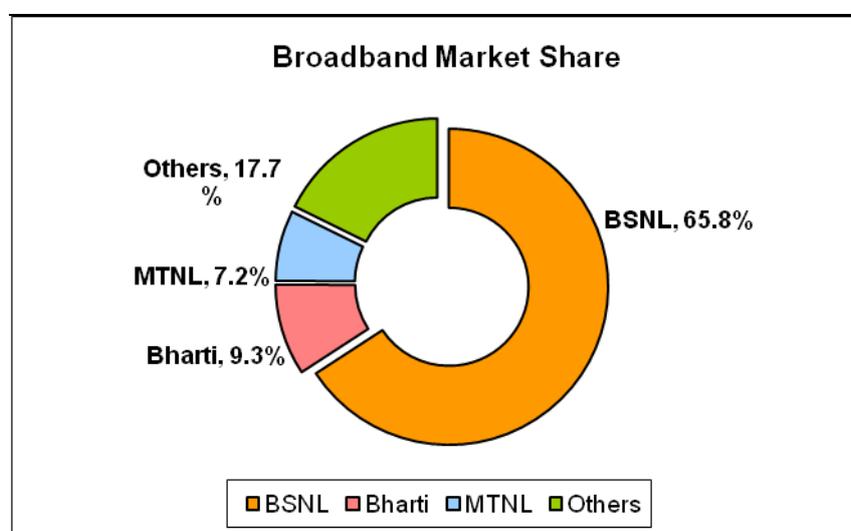
Category	Monthly Rate of Growth (Oct-2012 to Nov-2012)		Yearly rate of growth (Nov-2011 to Nov-2012)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.28%	-1.94%	-6.09%	1.69%
Circle B	-0.46%	-1.36%	-8.62%	0.85%
Circle C	-0.01%	-0.61%	-11.54%	2.50%
Metro	0.01%	-1.77%	-1.93%	-4.93%
<b>All India</b>	<b>-0.25%</b>	<b>-1.51%</b>	<b>-6.34%</b>	<b>0.70%</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 14.81 million at the end of October 2012 to 14.88 million at the end of November 2012, there by showing a monthly growth of 0.47%. Yearly growth in broadband subscribers is 13.33% during the last one year (November 2011 to November 2012).

As on 30<sup>th</sup> November 2012, there are 159 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of this only 101 ISPs have provided data for the month of November 2012, for the rest of the ISPs data from previous month has been retained (Data from top 10 ISPs, which constitute 93.01% of the total subscriber base, have been received for the month of November 2012). Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.79 million), Bharti Airtel (1.39 million), MTNL (1.08 million), Hathway (0.37 million) and You Broadband (0.29 million).



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Contact details in case of any clarification:

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**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/Dishnet	
	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12
Andhra Pradesh	18664368	18041904	8002795	8099797	6572400	6308390	7803128	7362179	10864005	10758625	2016909	1995571
Assam	3806523	3809218	3070779	3107326	2281586	2251641	127308	124982	383281	374823	3737826	3563371
Bihar	18145604	18527460	9276284	9539385	6507175	6510831	4217426	4073551	5525844	5533489	5214000	5031269
Delhi	9138279	9083718	8224160	8120876	8719851	8597114	3973356	3844995	4766222	4675755	2990952	3030567
Gujarat	7162358	6927459	7560944	7624037	16377278	16096118	3336164	3145321	8226567	8007606	769854	651645
Haryana	2322974	2267166	2639055	2623991	4507006	4513229	2789193	2712200	3660888	3599268	633810	575652
Himachal Pradesh	1928013	1915405	1579887	1541365	488854	486105	227142	207886	485172	465457	754223	734795
J & K	2283837	2300268	604474	596602	673574	676982	103060	101387	201913	198330	1777157	1776797
Karnataka	16259616	16044964	7438197	7362373	6967030	6745251	7341658	6737492	6145547	5858857	1601263	1584102
Kerala	3468108	3393868	3468454	3422579	6111123	6049633	2208340	2100921	7733172	7688603	1772550	1712652
Kolkata	3723846	3606616	4835644	4955490	4251434	4105830	3016411	2854123	1295047	1176003	1881370	1860293
Madhya Pradesh	9925100	9675239	13485478	13332598	4645612	4427716	4294333	4087280	14577848	14626497	916383	842531
Maharashtra	10050815	9849973	9016052	9056932	13325595	13162555	6925275	6710469	15274196	15362933	1169434	1120821
Mumbai	3614176	3494074	6404011	6326259	6095286	6102494	3844411	3593865	2981981	2894630	1467470	1457676
North East	2527523	2551134	859619	897193	989146	977476	79806	78429	269818	256518	2477056	2405808
Orissa	6712352	6696681	4561868	4071123	2901591	2884090	2451442	2374691	1040603	946497	2954938	2843791
Punjab	6932059	6851338	3194487	3229564	4493242	4397213	2687398	2569573	5615035	5523923	1112643	1022278
Rajasthan	14774736	14385762	6376040	6469653	9349880	9104803	3435305	3173196	4535892	4424989	2722770	2697852
Tamil Nadu (incl. Chenna	13691132	13442758	7850732	7807595	12266571	12009346	6435666	6028537	2276769	2193807	22128538	21809414
U.P.(E)	15144585	15105455	10576542	10859014	14734020	14671084	4430237	4227840	7184863	7074987	3488852	3547674
U.P.(W)	6685366	6556052	7629277	7662491	9348390	9249333	4538806	4162557	10216600	10168301	2163350	2053103
West Bengal	9452689	9084371	7349721	7407247	11538459	11437821	2482367	2243691	2442822	2334160	3034947	3005655
<b>Total</b>	<b>186414059</b>	<b>183610883</b>	<b>134004500</b>	<b>134113490</b>	<b>153145103</b>	<b>150765055</b>	<b>76748232</b>	<b>72515165</b>	<b>115704085</b>	<b>114144058</b>	<b>66786295</b>	<b>65323317</b>
<b>Net Addition</b>		<b>-2803176</b>		<b>108990</b>		<b>-2380048</b>		<b>-4233067</b>		<b>-1560027</b>		<b>-1462978</b>

## Wireless Subscriber Base

Annexure-I

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Group

Circle	BSNL		MTNL		Unitech		Sistema		Loop		Videocon	
	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12
Andhra Pradesh	9185172	9198690	0	0	3709583	3779187	713417	709376	0	0	9763	9763
Assam	1246742	1222059	0	0	771	791	1292	1292	0	0	0	0
Bihar	6070591	6036421	0	0	4810239	4933378	1628575	1611526	0	0	18724	18615
Delhi	0	0	2596110	2594760	0	0	1138572	1011915	0	0	0	0
Gujarat	4224378	4237939	0	0	4151119	4343865	246130	241268	0	0	934806	937308
Haryana	3071973	3050144	0	0	450	459	190479	176141	0	0	843529	868973
Himachal Pradesh	1562061	1571182	0	0	150	151	69	69	0	0	44571	44562
J & K	1166844	1167203	0	0	318	319	19	19	0	0	0	0
Karnataka	7056024	7072101	0	0	1079417	1062076	2393278	2326517	0	0	8086	8086
Kerala	7536942	7572207	0	0	403410	391819	606598	580130	0	0	49714	49705
Kolkata	2321808	2310820	0	0	1845537	1813296	930056	929956	0	0	4096	12
Madhya Pradesh	4960987	4976663	0	0	1325	1330	3026	3094	0	0	936822	955019
Maharashtra	6651763	6622665	0	0	5621823	5435145	725816	705599	0	0	8811	8683
Mumbai	0	0	2710596	2710133	1815750	1842309	497320	480374	2981160	3001965	623922	465174
North East	1741387	1740775	0	0	91	91	176	176	0	0	0	0
Orissa	4471699	4474124	0	0	727078	705643	811	801	0	0	10673	10673
Punjab	4472721	4461317	0	0	431	431	1149	1158	0	0	0	0
Rajasthan	5909172	5912368	0	0	1046	1050	2306201	2292118	0	0	7176	6687
Tamil Nadu (incl. Chenna	9470325	9435356	0	0	1105503	803558	1348628	1313339	0	0	854413	592519
U.P.(E)	10250635	10292724	0	0	7276098	7045540	644131	611268	0	0	14862	14637
U.P.(W)	4979866	4929937	0	0	4692000	4643909	680299	655558	0	0	5578	5343
West Bengal	3639265	3624639	0	0	3797768	3797645	2034576	2017729	0	0	16506	16506
<b>Total</b>	<b>99990355</b>	<b>99909334</b>	<b>5306706</b>	<b>5304893</b>	<b>41039907</b>	<b>40601992</b>	<b>16090618</b>	<b>15669423</b>	<b>2981160</b>	<b>3001965</b>	<b>4392052</b>	<b>4012265</b>
<b>Net Addition</b>		<b>-81021</b>		<b>-1813</b>		<b>-437915</b>		<b>-421195</b>		<b>20805</b>		<b>-379787</b>

## Wireless Subscriber Base

## Annexure-I

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Circle	Group						Total		Net Add.
	S-Tel		Quadrant (HFCL)		Etisalat		Oct-12	Nov-12	
	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	
Andhra Pradesh	0	0	0	0	0	0	67541540	66263482	-1278058
Assam	0	0	0	0	0	0	14656108	14455503	-200605
Bihar	0	0	0	0	0	0	61414462	61815925	401463
Delhi	0	0	0	0	0	0	41547502	40959700	-587802
Gujarat	0	0	0	0	0	0	52989598	52212566	-777032
Haryana	0	0	0	0	0	0	20659357	20387223	-272134
Himachal Pradesh	0	0	0	0	0	0	7070142	6966977	-103165
J & K	0	0	0	0	0	0	6811196	6817907	6711
Karnataka	0	0	0	0	0	0	56290116	54801819	-1488297
Kerala	0	0	0	0	0	0	33358411	32962117	-396294
Kolkata	0	0	0	0	0	0	24105249	23612439	-492810
Madhya Pradesh	0	0	0	0	0	0	53746914	52927967	-818947
Maharashtra	0	0	0	0	0	0	68769580	68035775	-733805
Mumbai	0	0	0	0	0	0	33036083	32368953	-667130
North East	0	0	0	0	0	0	8944622	8907600	-37022
Orissa	0	0	0	0	0	0	25833055	25008114	-824941
Punjab	0	0	1626206	1631930	0	0	30135371	29688725	-446646
Rajasthan	0	0	0	0	0	0	49418218	48468478	-949740
Tamil Nadu (incl. Chennai)	0	0	0	0	0	0	77428277	75436229	-1992048
U.P.(E)	0	0	0	0	0	0	73744825	73450223	-294602
U.P.(W)	0	0	0	0	0	0	50939532	50086584	-852948
West Bengal	0	0	0	0	0	0	45789120	44969464	-819656
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1626206</b>	<b>1631930</b>	<b>0</b>	<b>0</b>	<b>904229278</b>	<b>890603770</b>	<b>-13625508</b>
<b>Net Addition</b>		<b>0</b>		<b>5724</b>		<b>0</b>		<b>-13625508</b>	

**Proportion of VLR on the date of Peak VLR in the month of Nov, 2012 (%) Annexure-II**

Circle	Aircel	Bharti	BSNL (Except CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Unitech	Videocon	Vodafone	Total
Andhra Pradesh	59.57	95.55	70.67	0.00		96.47			68.31		52.76	68.92	62.43	0.08	80.68	<b>81.10</b>
Assam	85.35	94.97	67.90			88.14			66.60		79.41	69.45			91.90	<b>83.33</b>
Bihar	52.15	98.68	35.73	0.00		103.79			82.80		34.10	58.03	57.57	1.34	103.19	<b>79.56</b>
Delhi	59.76	77.03		0.00		95.94		47.90	84.94		39.72	56.02			93.35	<b>78.17</b>
Gujarat	78.75	89.09	59.25	0.00		95.75			79.77		38.53	65.43	58.29	35.18	91.75	<b>81.83</b>
Haryana	50.70	94.33	52.40			97.09			76.15			70.07		39.91	94.98	<b>79.01</b>
Himachal Pradesh	61.58	94.72	68.36			99.36			79.62		233.33	60.01		6.80	97.53	<b>80.85</b>
J & K	88.24	93.91	66.65			89.50			65.17			72.79			83.34	<b>83.75</b>
Karnataka	41.49	96.34	57.96	0.00		95.98			71.90		55.88	71.55	0.11	0.06	88.06	<b>79.58</b>
Kerala	61.61	93.67	65.69	0.00		98.02			65.55		49.64	65.24	0.65	8.96	88.24	<b>77.65</b>
Kolkata	56.72	88.94	34.31			86.95			78.42		48.10	75.79	53.95		92.83	<b>73.54</b>
Madhya Pradesh	45.84	94.51	53.06	0.00		104.85			75.37		38.46	74.91		44.03	76.44	<b>83.93</b>
Maharashtra	56.00	88.19	71.93	0.00		98.21			77.37		52.44	76.10	63.71	0.97	95.13	<b>84.71</b>
Mumbai	56.35	88.40		0.00		87.60	45.97	32.00	86.07		28.46	61.75	43.45	35.54	86.64	<b>70.27</b>
North East	70.20	94.69	51.71			82.05			75.38			72.11			86.73	<b>76.29</b>
Orissa	55.06	95.61	57.04			80.87			75.90		70.29	67.08	0.67	0.05	89.30	<b>74.17</b>
Punjab	50.91	93.22	53.31	0.00	52.10	95.75			83.26		25.91	69.58			93.68	<b>80.91</b>
Rajasthan	82.01	94.75	46.88	0.00		109.23			77.28		49.39	64.49		1.30	98.16	<b>83.69</b>
Tamil Nadu	59.33	95.12	49.47	0.00		73.46			72.38		56.32	56.87	0.35	28.88	95.86	<b>70.94</b>
U.P.(E)	69.44	96.41	43.85	0.00		101.50			74.59		31.39	62.12	71.14	0.60	97.19	<b>80.21</b>
U.P.(W)	72.53	85.00	46.19	0.00		98.97			76.88		33.18	60.95	67.23	4.60	99.27	<b>80.57</b>
West Bengal	59.42	92.49	47.43			89.49			84.05		59.31	48.47	64.63	0.13	96.89	<b>80.15</b>
<b>Total</b>	<b>62.43</b>	<b>93.32</b>	<b>54.55</b>	<b>0.00</b>	<b>52.10</b>	<b>98.06</b>	<b>45.97</b>	<b>39.78</b>	<b>77.06</b>	<b>0.00</b>	<b>47.83</b>	<b>65.84</b>	<b>58.06</b>	<b>35.93</b>	<b>93.39</b>	<b>79.42</b>

Wireline Subscriber Base																			Annexure-III	
Circle	Group																		Net Add.	
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total			
	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12	Oct-12	Nov-12		
Andhra Pradesh	1891887	1881432			125582	125620	89249	89468	171299	169982	0	0	0	0	5280	5,340	2283297	2271842	-11455	
Assam	194835	194483							2769	2738	0	0	0	0	30	60	197634	197281	-353	
Bihar	542929	543028					4897	4929	11016	11088	0	0	0	0	0	0	558842	559045	203	
Delhi	0	0	1580868	1581934	1081183	1081545	185210	186104	86187	87728	0	0	0	0	7020	7,530	2940468	2944841	4373	
Gujarat	1558158	1559055			55358	55375	102915	101947	67727	68541	0	0	0	0	180	210	1784338	1785128	790	
Haryana	521794	518,982			23923	23928	5015	5056	25651	25943	0	0	0	0	0	0	576383	573909	-2474	
Himachal Pradesh	289801	288,385					4462	4462	2243	2224	0	0	0	0	0	0	296506	295071	-1435	
J & K	200044	199,772							378	372	0	0	0	0	0	0	200422	200144	-278	
Karnataka	1718284	1710975			491394	491545	111876	112,679	135636	136310	0	0	0	0	2760	2,760	2459950	2454269	-5681	
Kerala	3000880	2989469			55868	55883	55377	54713	12413	12461	0	0	0	0			3124538	3112526	-12012	
Kolkata	943859	941904			93833	93864	80955	81207	34862	35809	0	0	0	0	1080	1,230	1154589	1154014	-575	
Madhya Pradesh	834907	834491			241604	241676	29047	28743	14260	14548	0	0	0	0	60	60	1119878	1119518	-360	
Maharashtra	2138084	2127182			70263	70284	102500	102336	242713	243599	0	0	0	0	990	2,550	2554550	2545951	-8599	
Mumbai	0	0	1873267	1871920	331493	331593	234133	235063	543477	540890	0	0	0	0	6510	6,540	2988880	2986006	-2874	
North East	218355	220255					0		242	239	0	0	0	0	0	0	218597	220494	1897	
Orissa	384299	384032					3517	3554	7388	7398	0	0	0	0	180	210	395384	395194	-190	
Punjab	1060298	1051207			105850	105879	27399	27041	15778	15765	186775	184781	0	0	240	240	1396340	1384913	-11427	
Rajasthan	980463	972823			39335	39346	25458	24953	6735	6759	0	0	49405	48692	210	240	1101606	1092813	-8793	
Tamil Nadu (incl. Chennai)	2443797	2434317			485512	485655	148323	148182	72699	72809	0	0	0	0	1380	1290	3151711	3142253	-9458	
U.P.(E)	961833	957638			50513	50529	40172	40281	13296	13322	0	0	0	0	360	360	1066174	1062130	-4044	
U.P.(W)	738513	737367			24292	24299	5397	5428	8152	8318	0	0	0	0	0	0	776354	775412	-942	
West Bengal	593115	588634				0	2120	2132	5946	5905	0	0	0	0	0	0	601181	596671	-4510	
<b>Total</b>	<b>21216135</b>	<b>21135431</b>	<b>3454135</b>	<b>3453854</b>	<b>3276003</b>	<b>3277021</b>	<b>1258022</b>	<b>1258278</b>	<b>1480867</b>	<b>1482748</b>	<b>186775</b>	<b>184781</b>	<b>49405</b>	<b>48692</b>	<b>26280</b>	<b>28620</b>	<b>30947622</b>	<b>30869425</b>	<b>-78197</b>	
<b>Net Addition</b>		<b>-80704</b>		<b>-281</b>		<b>1018</b>		<b>256</b>		<b>1881</b>		<b>-1994</b>		<b>-713</b>		<b>2340</b>		<b>-78197</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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