

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 5<sup>th</sup> November, 2013

(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 30<sup>th</sup> September, 2013**

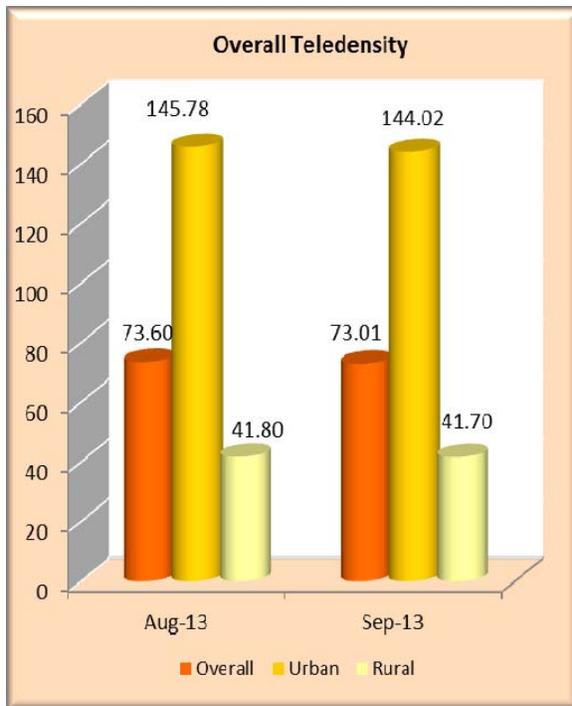
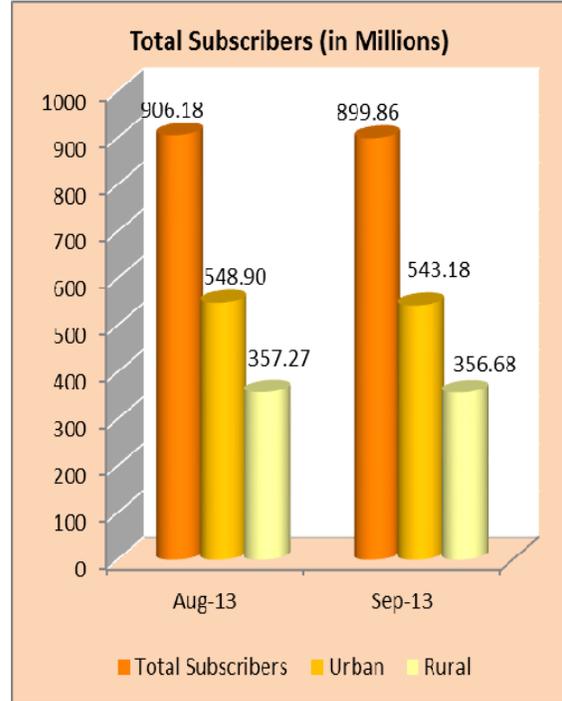
Particulars	Wireless	Wireline	Total Wireless + Wireline
<b>Total Subscribers</b> (Millions)	<b>870.58</b>	<b>29.28</b>	<b>899.86</b>
Total Net Monthly Addition (Millions)	-6.14	-0.17	-6.31
Monthly Growth (%)	-0.70%	-0.59%	-0.70%
<b>Urban Subscribers</b> (Millions)	<b>520.21</b>	<b>22.97</b>	<b>543.18</b>
Urban Subscribers Net Monthly Addition (Millions)	-5.63	-0.10	-5.72
Monthly Growth (%)	-1.07%	-0.42%	-1.04%
<b>Rural Subscribers</b> (Millions)	<b>350.37</b>	<b>6.31</b>	<b>356.68</b>
Rural Subscribers Net Monthly Addition (Millions)	-0.51	-0.08	-0.59
Monthly Growth (%)	-0.15%	-1.20%	-0.17%
<b>Overall Teledensity*</b>	<b>70.63</b>	<b>2.38</b>	<b>73.01</b>
Urban Teledensity*	137.93	6.09	144.02
Rural Teledensity*	40.96	0.74	41.70
Share of Urban Subscribers	59.75%	78.44%	60.36%
Share of Rural Subscribers	40.25%	21.56%	39.64%

- ❖ Mobile Number Portability requests increased from 100.20 million subscribers at the end of August 2013 to 102.49 million at the end of September 2013. In the month of September 2013 alone 2.29 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in September, 2013 are 738.89 million, 84.87% of the total subscribers.
- ❖ Broadband subscription reached 15.36 million in September 2013 from 15.28 million in August 2013.

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

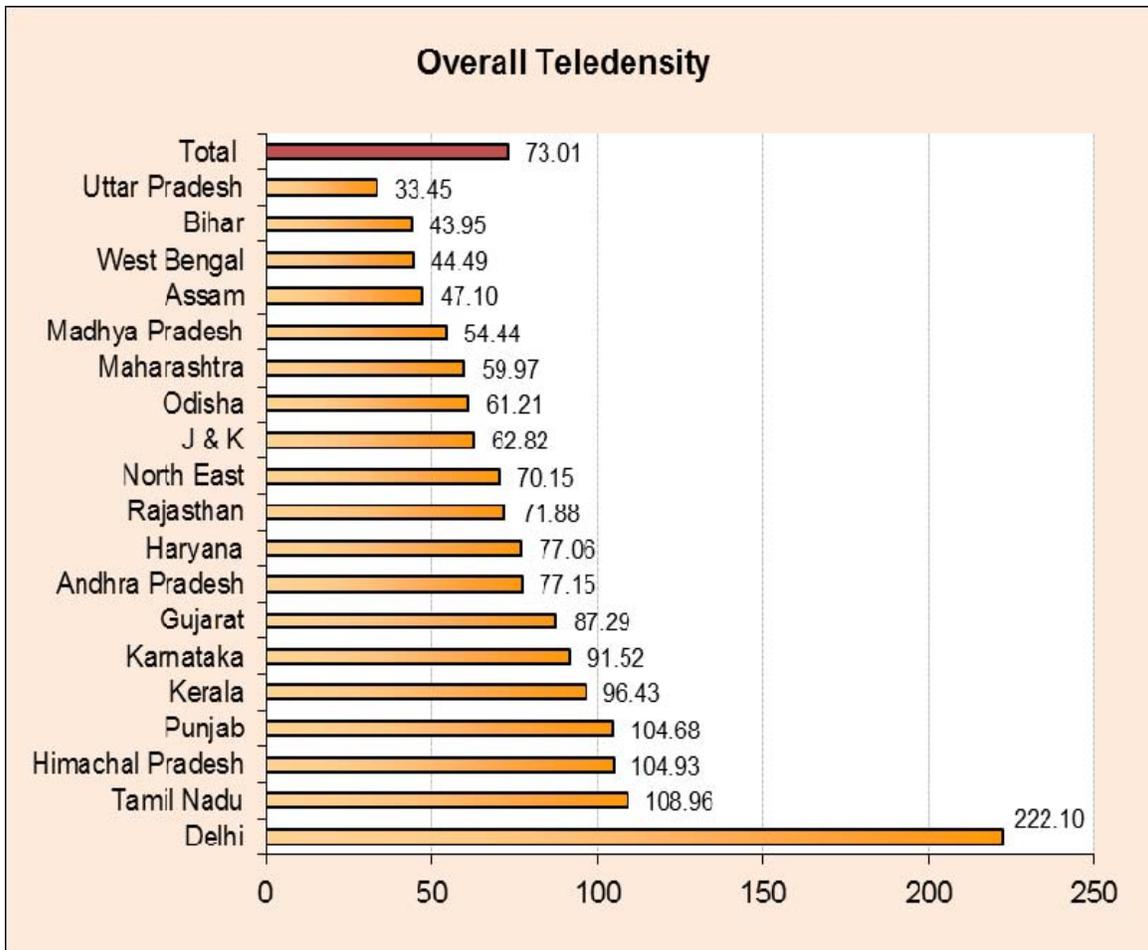
## I. Total Telephone Subscribers

• The number of telephone subscribers in India decreased from 906.18 million at the end of August, 2013 to 899.86 million at the end of September 2013, thereby showing a monthly decline of 0.70%. The share of urban subscribers has declined from 60.57% to 60.36% whereas share of rural subscribers has increased from 39.43% to 39.64% in the month of September 2013. With this, the overall Teledensity in India declined from 73.60 at the end of August, 2013 to 73.01 at the end of September, 2013.



• Subscription in the urban areas declined from 548.90 million in August, 2013 to 543.18 million at the end of September, 2013. Subscription in rural areas declined from 357.27 million to 356.68 million during the same period. The monthly declining rate of urban and rural subscription is 1.04% and 0.17% respectively. The overall urban Teledensity has decreased from 145.78 to 144.02 and Rural Teledensity decreased from 41.80 to 41.70 in this month.

## Overall Teledensity (Circle Wise)

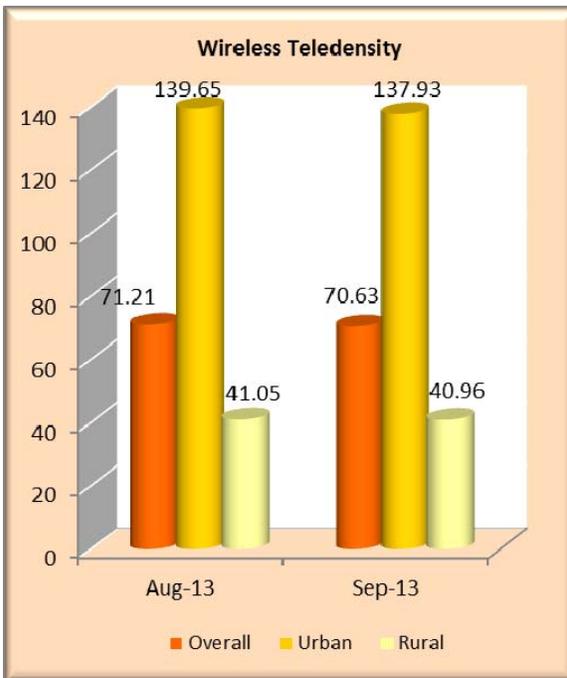


### Notes:

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)

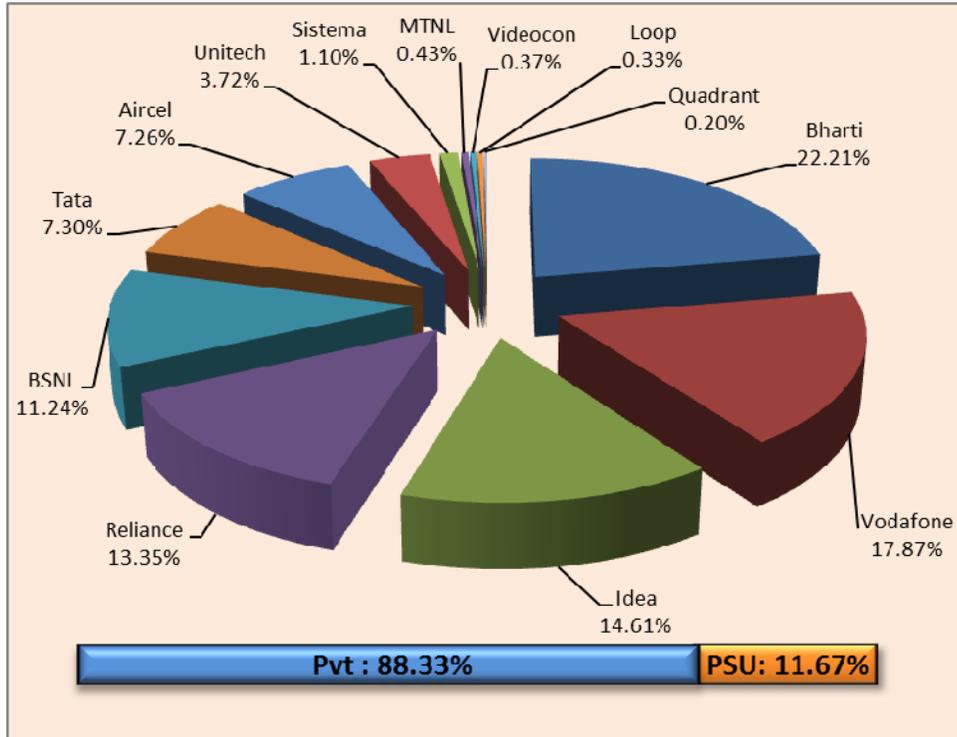
- Total wireless subscriber base decreased from 876.72 million in August 2013 to 870.58 million at the end of September 2013, registering a monthly decline of 0.70%. The share of urban wireless subscribers has declined from 59.98% to 59.75% whereas share of rural wireless subscribers has increased from 40.02% to 40.25%. The overall wireless Teledensity in India has declined to 70.63 from 71.21 of previous month.



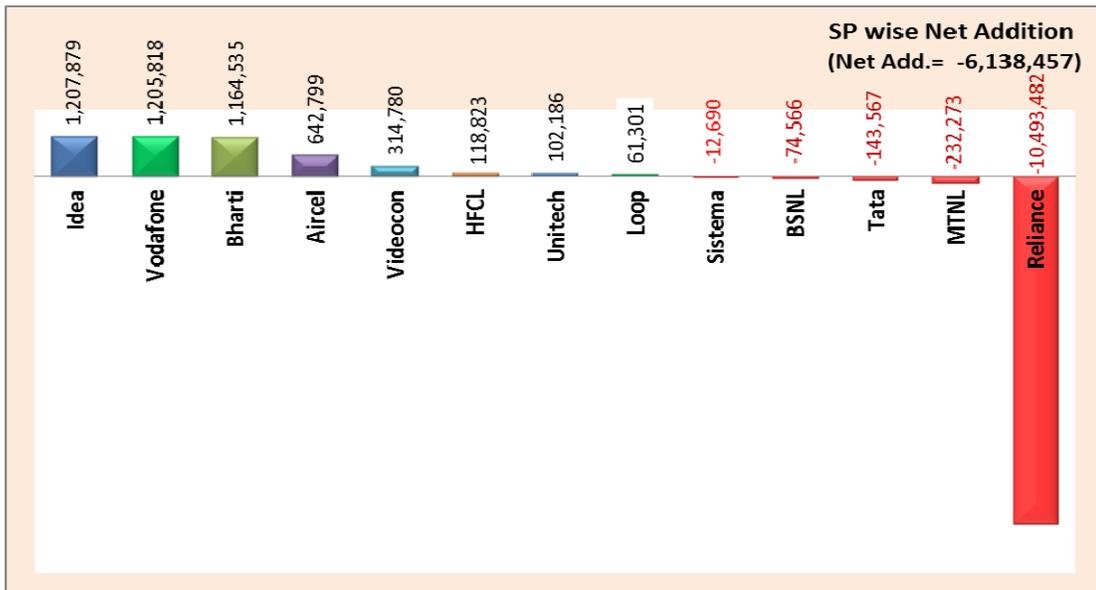
- Wireless subscription in urban areas decreased from 525.84 million in August 2013 to 520.21 million at the end of September 2013. The wireless subscription in rural areas decreased from 350.88 million to 350.37 million during the same period. The urban wireless Teledensity has decreased from 139.65 to 137.93 and rural Teledensity has decreased from 41.05 to 40.96. Detailed statistics is available at Annexure I.

- Private operators hold 88.33% of the wireless market share (based on subscriber base) whereas BSNL and MTNL, the two PSU operators hold only 11.67% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of September, 2013 are given below:

**A. Service Provider wise Market Share as on 30<sup>th</sup> September, 2013.**



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

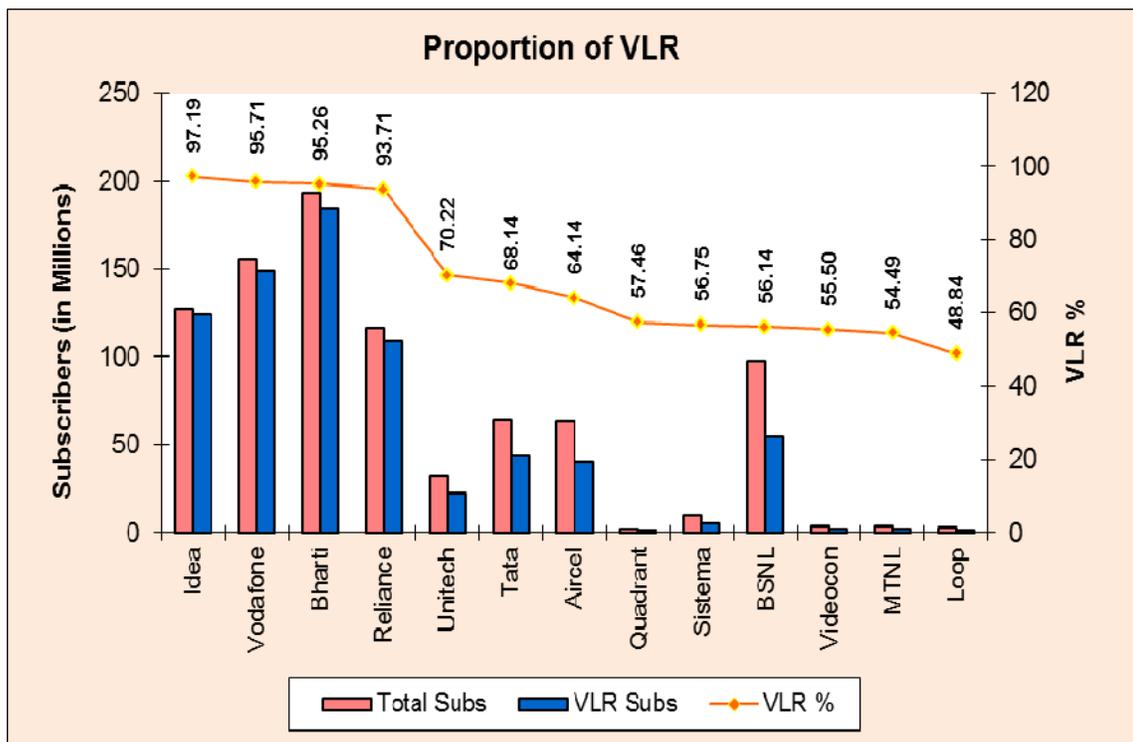


### III. VLR Data

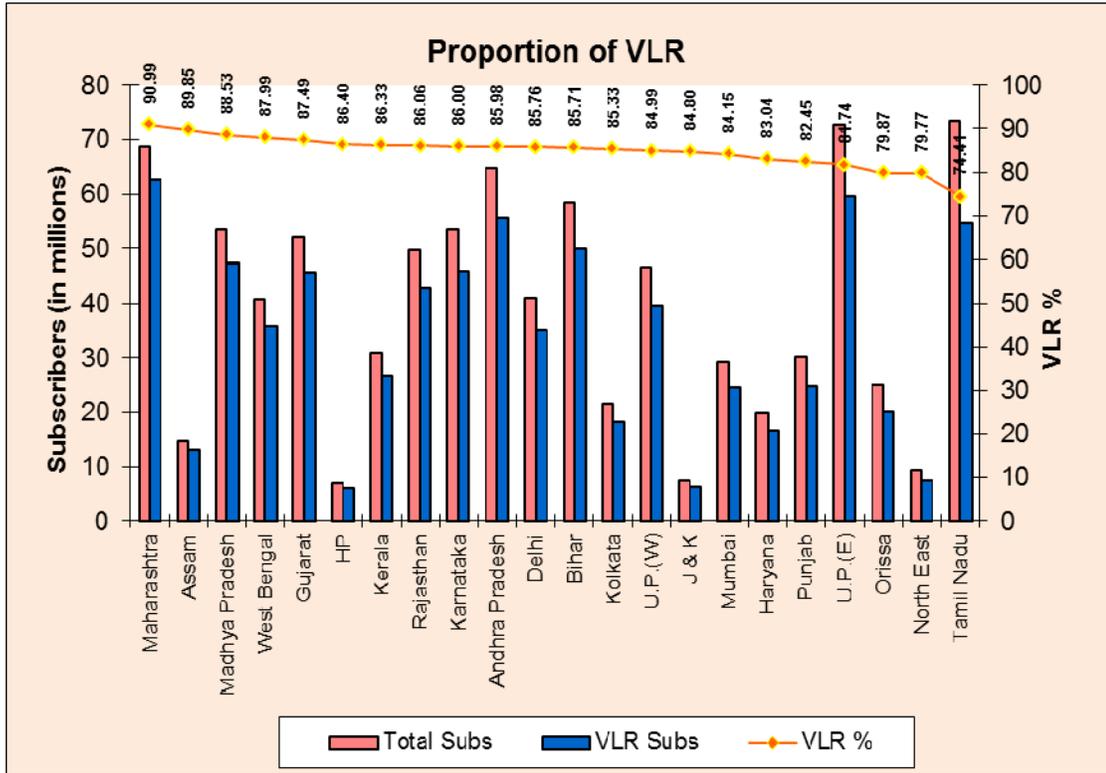
Out of the total 870.58 million wireless subscribers, 738.89 million were active on the date of Peak VLR for the month of September 2013. The proportion of VLR subscribers is approximately 84.87% of the total wireless subscriber base reported by the service providers.

Service Provider wise, Idea leads the tally with 97.19% followed by Vodafone (95.71%) and Bharti (95.26%). Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 90.99% followed by Assam(89.85%) and M.P.(88.53%). TN (incl. Chennai) has the lowest proportion with 74.41%. The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

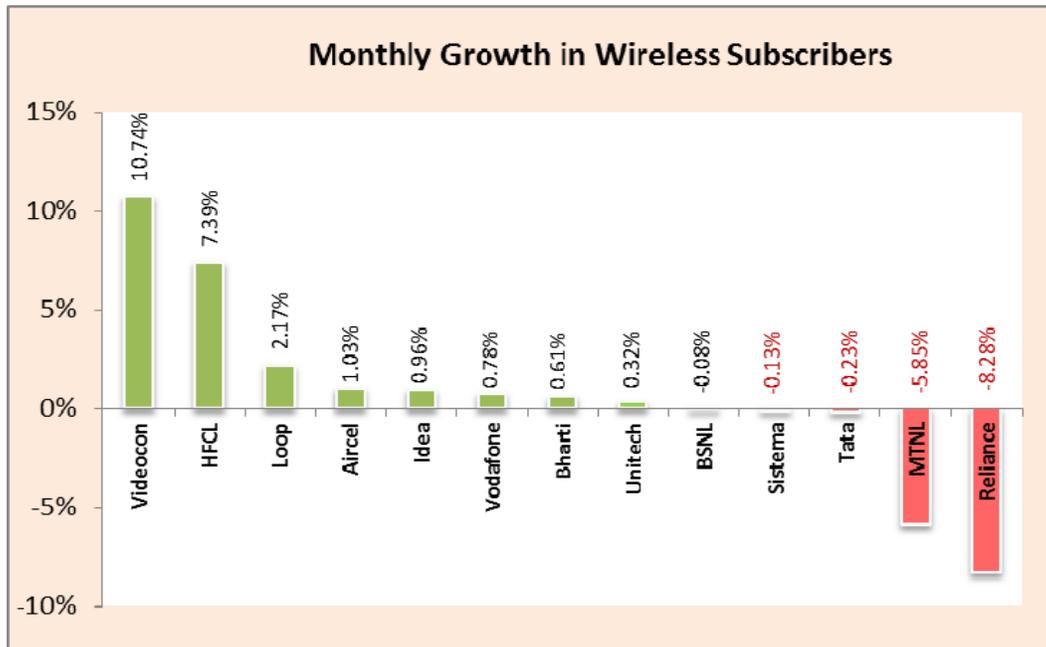
#### A. Proportion of VLR subscribers (Service Provider wise) – Sep-13



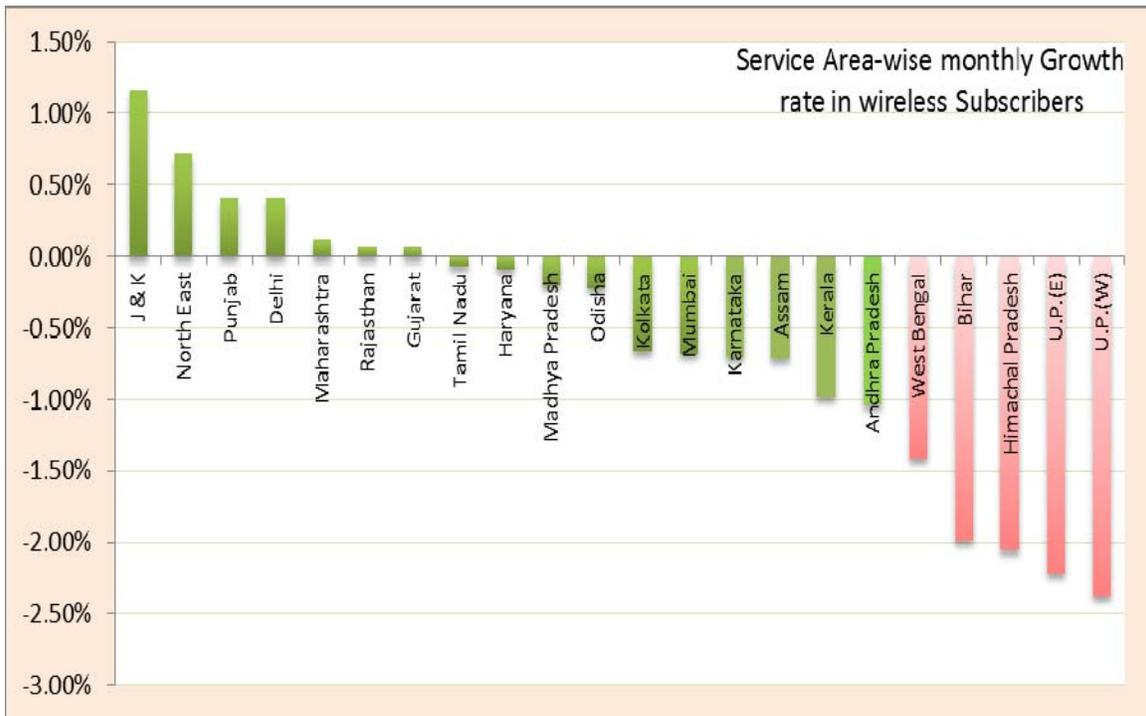
**C. Proportion of VLR subscribers (Service Area wise)**



**D. Service Provider wise monthly growth in total wireless subscribers**



### E. Service Area wise monthly growth in total wireless subscribers



### IV. Mobile Number Portability

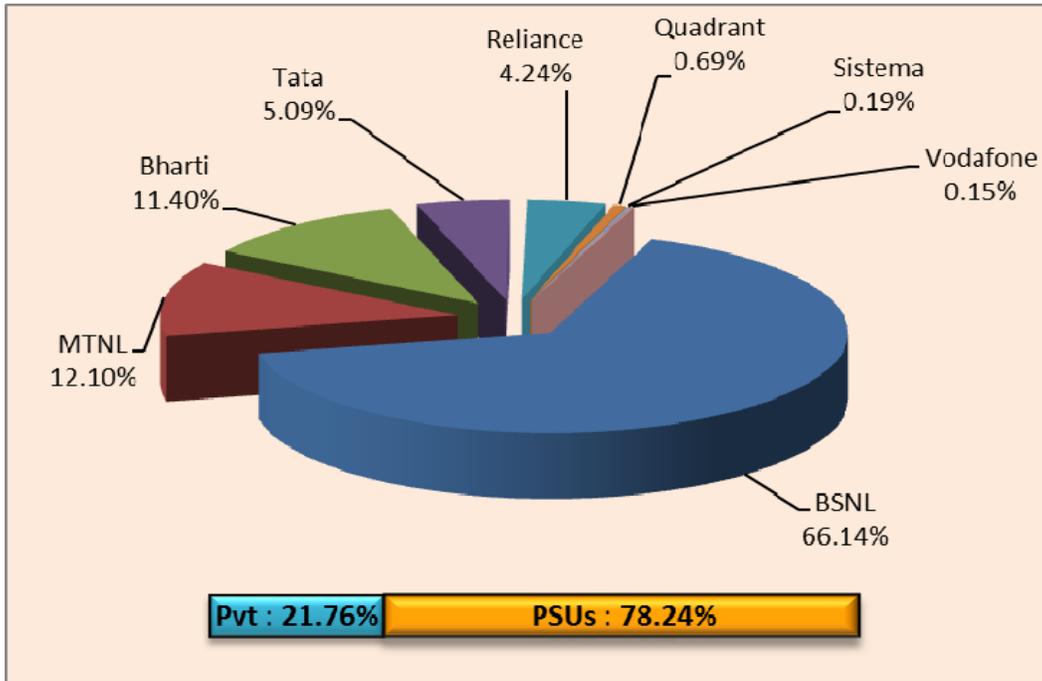
As per the data reported by the service providers, by the end of September 2013 about 102.49 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (about 10.15 million) followed by Gujarat (about 8.86 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 11.84 million) followed by Andhra Pradesh Service area (about 9.30 million). In the month of September 2013, total number of subscribers who have submitted their request for MNP is 2.29 million. The status of MNP requests in various service areas is given below:

<b>Service Area Wise MNP Status at the end of September 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	3690925	Andhra Pradesh	9296132
Gujarat	8866915	Assam	381598
Himachal Pradesh	366246	Bihar	2311146
Haryana	3795822	Karnataka	11836426
Jammu & Kashmir	18170	Kerala	4102703
Maharashtra	8291038	Kolkata	2254824
Mumbai	4027999	Madhya Pradesh	5876819
Punjab	3459495	North East	175991
Rajasthan	10147522	Orissa	2181249
Uttar Pradesh - East	5903552	Tamil Nadu	6031372
Uttar Pradesh - West	5755820	West Bengal	3718122
<b>Total</b>	<b>54,323,504</b>	<b>Total</b>	<b>48,166,382</b>
<b>Total (Zone-1 + Zone-2)</b>			<b>102,489,886</b>
<b>Net Addition (in September 2013)</b>			<b>2,293,846</b>

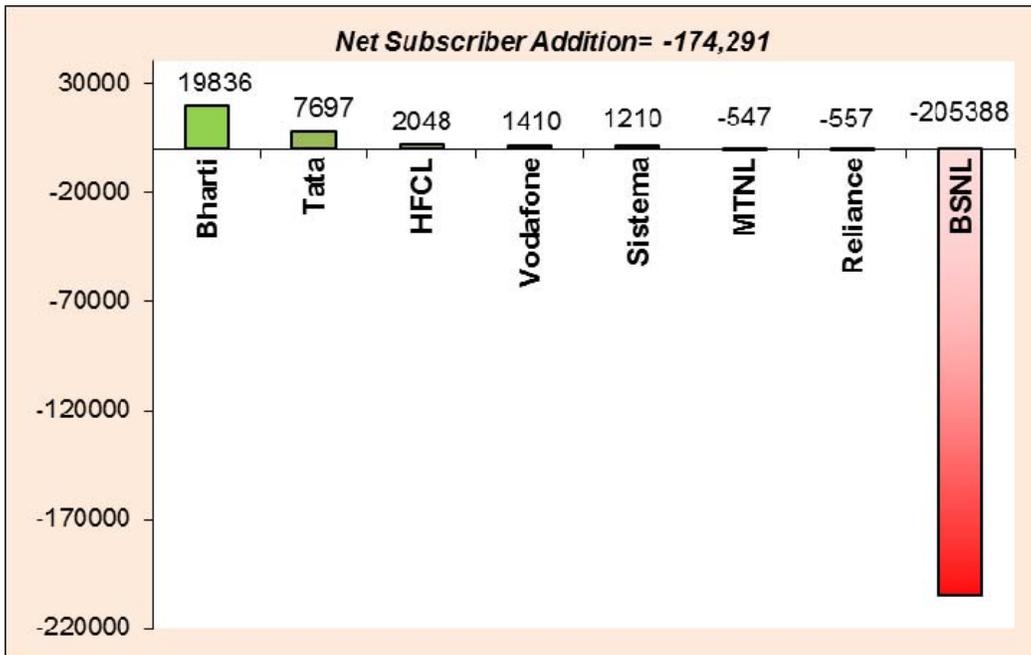
## **V. Wireline Segment**

Wireline subscriber base declined from 29.46 million at the end of August 2013 to 29.28 Million at the end of September 2013. Net reduction in wireline subscriber base was 0.17 million at the rate of 0.59%. The share of urban subscribers has increased from 78.31% to 78.44% whereas share of rural subscribers has decreased from 21.69% to 21.56%. The overall wireline Teledensity has decreased from 2.39 in August 2013 to 2.38 in September 2013, with urban and rural Teledensity being 6.09 and 0.74 respectively. BSNL and MTNL, the two PSU operators hold 78.24% of the Wireline market share. Detailed statistics are at Annexure-III. The graphical presentation of market share of all service providers as on 30<sup>th</sup> September 2013 is given below:

**F. Service Provider wise Market Share as on 30<sup>th</sup> September 2013**



**G. Wireline Service Provider wise Net addition/decline during September 2013**



## **VI. Category wise Growth**

- As can be seen from the following tables, the Circles in Category B show the highest net decline and Circles in Category C show the highest rate of monthly decline in subscriber base in wireless segment. In wireline segment, only Metro Cities show the positive net addition and positive rate of monthly growth in subscriber base from August 2013 to September 2013.

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

Category	Net Additions during the month of September, 2013		Subscriber Base as on 30 <sup>th</sup> September, 2013	
	Wireline	Wireless	Wireline	Wireless
Circle A	-72604	-986163	11598936	312277982
Circle B	-136604	-3639702	8919067	344516244
Circle C	-5323	-1337345	1537914	121940205
Metro	40240	-175247	7226481	91847575
<b>All India</b>	<b>-174291</b>	<b>-6138457</b>	<b>29282398</b>	<b>870582006</b>

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

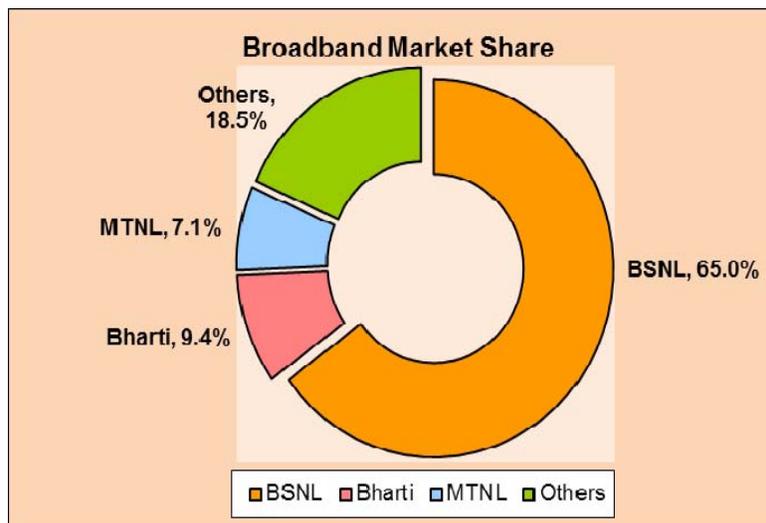
Category	Monthly Rate of Growth (Aug-2013 to Sep-2013)		Yearly rate of growth (Sep-2012 to Sep-2013)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.62%	-0.31%	-5.45%	-3.13%
Circle B	-1.51%	-1.05%	-9.23%	-4.00%
Circle C	-0.34%	-1.08%	-19.35%	-2.03%
Metro	0.56%	-0.19%	2.04%	-8.99%
<b>All India</b>	<b>-0.59%</b>	<b>-0.70%</b>	<b>-5.79%</b>	<b>-3.97%</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 15.28 million at the end of August 2013 to 15.36 million at the end of September 2013, there by showing a monthly growth of 0.52%. Yearly growth in broadband subscribers is 1.90% during the last one year (September 2012 to September 2013).

As on 30<sup>th</sup> September 2013, there are 158 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of these, 95 ISPs have provided broadband subscription data for the month of September 2013, for the rest of the ISPs data from previous month has been retained. Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.98 million), Bharti Airtel (1.44 million), MTNL (1.10 million), Hathway (0.37 million) and You Broadband (0.33 million).



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

## Wireless Subscriber Base

Annexure-I

Page 1 of 2

Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13
Andhra Pradesh	18797233	18902208	7068318	5838085	5827512	5863892	6414090	6422349	11841114	11981302	1852215	1858428	9430748	9436663
Assam	4164664	4196065	2797143	2596140	2516712	2556126	0	0	467449	476682	3591253	3588972	1231184	1249026
Bihar	20455070	20518049	10146902	8818475	6714586	6747640	3354692	3272417	6134431	6164066	4549294	4677210	3761012	3724996
Delhi	9623075	9725980	7921525	7786352	8771148	8845576	2914262	2869124	5120410	5251411	3103217	3133898	0	
Gujarat	7095581	7117258	7080826	6697392	16375267	16518850	2621251	2628198	8598851	8690983	35773	35773	4321379	4327505
Haryana	2303020	2337348	2387316	2132062	4650402	4681275	2638911	2641822	3824312	3882250	11092	11092	3079563	3084055
Himachal Pradesh	2069485	2090603	1652661	1465806	536436	534203	157200	149456	504266	513452	722024	742881	1536780	1535145
J & K	2507424	2532977	666666	672626	680464	687681	0	0	256201	267487	1986854	2014339	1224337	1232401
Karnataka	16466244	16564821	6987802	6280514	6880688	6920902	5823244	5847645	6512018	6586224	2099914	2201043	7102915	7101531
Kerala	3569101	3599838	2900724	2331344	6415524	6489482	1648756	1654458	8334452	8466741	4883	4883	7998847	8016967
Kolkata	3725121	3751235	4278873	3962970	4312924	4365823	2855690	2874101	1298540	1316958	2116772	2179944	2288471	2281729
Madhya Pradesh	10136325	10209163	13088860	12477822	4117294	4256579	3912494	3929565	16159265	16295647	22694	22694	5133044	5149579
Maharashtra	10155054	10226355	7659647	7189914	13914757	14076683	6093537	6074114	17141507	17421267	1290048	1312246	6568821	6612452
Mumbai	4027129	4107494	6071016	5925983	6751349	6831544	3446534	3420790	3188846	3237854	1773285	1704239	0	
North East	2830364	2852276	1000492	992057	1027965	1045692	0	0	327257	328482	2331198	2352414	1795962	1808999
Orissa	7231677	7289389	4308917	4134554	3136595	3168882	2032295	2043209	1044097	1063004	2909434	2908410	4529093	4529030
Punjab	7039163	7107014	3246738	3070724	4469841	4503245	2462960	2449104	5817321	5845234	977788	1002025	4454105	4496007
Rajasthan	14780667	14836741	6008917	5897406	9151718	9270335	2482357	2423876	5609610	5660460	3615541	3566660	5886318	5891417
Tamil Nadu (incl. Chennai)	13816251	13929539	6728101	6264558	12599327	12665721	5247431	5303725	2437490	2486098	21809562	21968800	9610099	9605448
U.P.(E)	15390519	15433113	10117706	8536047	14430259	14400071	4244775	4272276	7639518	7594778	4523639	4767195	10281368	10204912
U.P.(W)	6498954	6484305	6938887	5927904	9257263	9261589	3732590	3748747	11019416	11014960	109150	109150	4726569	4605390
West Bengal	9540745	9575630	7697446	7263266	11799332	11851390	1607436	1521962	2743942	2682852	3166750	3082883	2972132	2964929
<b>Total</b>	<b>192222866</b>	<b>193387401</b>	<b>126755483</b>	<b>116262001</b>	<b>154337363</b>	<b>155543181</b>	<b>63690505</b>	<b>63546938</b>	<b>126020313</b>	<b>127228192</b>	<b>62602380</b>	<b>63245179</b>	<b>97932747</b>	<b>97858181</b>
<b>Net Addition</b>		<b>1164535</b>		<b>-10493482</b>		<b>1205818</b>		<b>-143567</b>		<b>1207879</b>		<b>642799</b>		<b>-74566</b>

## Wireless Subscriber Base

Page 2 of 2

## Annexure-I

Circle	Group												Total		Net Add.
	MTNL		Unitech		Sistema		Loop		Videocon		Quadrant (HFCL)		Aug-13	Sep-13	
	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13			
Andhra Pradesh	0	0	4163455	4414731	0		0	0	0	0	0	0	65394685	64717658	-677027
Assam	0	0	0	0	0		0	0	0	0	0	0	14768405	14663011	-105394
Bihar	0	0	4387014	4398886	0		0	0	0	0	0	0	59503001	58321739	-1181262
Delhi	2558159	2556692	0	0	871408	882224	0	0	0	0	0	0	40883204	41051257	168053
Gujarat	0	0	4892999	4960851	179605	175572	0	0	902144	988327	0	0	52103676	52140709	37033
Haryana	0	0	0		0		0	0	1024499	1131142	0	0	19919115	19901046	-18069
Himachal Pradesh	0	0	0		0		0	0	0	0	0	0	7178852	7031546	-147306
J & K	0	0	0		0		0	0	0	0	0	0	7321946	7407511	85565
Karnataka	0	0	0		1931565	1924172	0	0	0	0	0	0	53804390	53426852	-377538
Kerala	0	0	0		436656	436353	0	0	0	0	0	0	31308943	31000066	-308877
Kolkata	0	0	0		764430	764521	0	0	0	0	0	0	21640821	21497281	-143540
Madhya Pradesh	0	0	0		0		0	0	1003140	1125094	0	0	53573116	53466143	-106973
Maharashtra	0	0	5778334	5770597	0		0	0	0	0	0	0	68601705	68683628	81923
Mumbai	1415220	1184414	0		0		2825418	2886719	0	0	0	0	29498797	29299037	-199760
North East	0	0	0		0		0	0	0	0	0	0	9313238	9379920	66682
Orissa	0	0	0		0		0	0	0	0	0	0	25192108	25136478	-55630
Punjab	0	0	0		0		0	0	0	0	1607012	1725835	30074928	30199188	124260
Rajasthan	0	0	0		2152924	2178127	0	0	0	0	0	0	49688052	49725022	36970
Tamil Nadu (incl Chennai)	0	0	0		1111428	1085246	0	0	0	0	0	0	73359689	73309135	-50554
U.P.(E)	0	0	7768776	7541316	0		0	0	0	0	0	0	74396560	72749708	-1646852
U.P.(W)	0	0	5263136	5269519	332071	318743	0	0	0	0	0	0	47878036	46740307	-1137729
West Bengal	0	0	0		1789413	1791852	0	0	0	0	0	0	41317196	40734764	-582432
<b>Total</b>	<b>3973379</b>	<b>3741106</b>	<b>32253714</b>	<b>32355900</b>	<b>9569500</b>	<b>9556810</b>	<b>2825418</b>	<b>2886719</b>	<b>2929783</b>	<b>3244563</b>	<b>1607012</b>	<b>1725835</b>	<b>876720463</b>	<b>870582006</b>	<b>-6138457</b>
<b>Net Addition</b>		<b>-232273</b>		<b>102186</b>		<b>-12690</b>		<b>61301</b>		<b>314780</b>		<b>118823</b>		<b>-6138457</b>	

<b>Proportion of VLR on the date of Peak VLR in the month of Sep, 2013 (%) Annexure-II</b>														
Circle	Aircel	Bharti	BSNL	Quadrant (HFCL)	Idea	Loop	MTNL	Reliance	Sistema	Tata	Unitech	Videocon	Vodafone	Total
Andhra Pradesh	55.10	97.68	65.99		96.79			96.22		72.76	60.93		91.31	<b>85.98</b>
Assam	85.61	96.97	78.13		89.13			84.58					95.29	<b>89.85</b>
Bihar	63.03	94.75	51.73		95.73			96.85		47.99	74.56		94.58	<b>85.71</b>
Delhi	66.87	84.31			99.28		46.70	96.19	46.96	68.78			97.53	<b>85.76</b>
Gujarat	56.93	95.97	62.04		97.91			95.71	44.04	66.56	66.74	50.96	93.96	<b>87.49</b>
Haryana	9.21	95.82	52.72		96.54			96.22		65.15		56.25	96.17	<b>83.04</b>
Himachal Pradesh	55.62	96.30	73.88		102.02			93.69		60.16			98.77	<b>86.40</b>
J & K	85.55	96.70	70.80		87.07			57.60					89.61	<b>84.80</b>
Karnataka	56.43	99.43	54.47		96.47			93.26	58.41	78.79			92.81	<b>86.00</b>
Kerala	61.05	97.62	65.39		97.89			94.26	53.84	76.85			92.61	<b>86.33</b>
Kolkata	77.72	97.55	34.26		93.96			97.17	57.37	81.56			99.36	<b>85.33</b>
Madhya Pradesh	11.48	95.75	54.17		101.61			87.37		71.65		58.75	89.99	<b>88.53</b>
Maharashtra	55.44	98.64	72.23		99.25			97.57		79.46	67.92		98.42	<b>90.99</b>
Mumbai	60.10	96.19			90.05	48.84	71.29	97.20		69.64			93.23	<b>84.15</b>
North East	73.74	98.19	53.29		84.18			76.82					90.31	<b>79.77</b>
Orissa	64.38	96.30	59.24		81.09			80.66		72.54			89.08	<b>79.87</b>
Punjab	42.89	93.75	53.66	57.46	95.51			96.55		64.15			95.13	<b>82.45</b>
Rajasthan	74.80	95.18	47.01		100.94			97.01	51.53	67.01			97.63	<b>86.06</b>
Tamil Nadu (incl. Chennai)	57.45	96.20	48.69		80.73			92.59	58.33	62.28			95.61	<b>74.41</b>
U.P. (E)	65.20	91.19	43.94		97.22			94.74		57.32	72.71		99.96	<b>81.74</b>
U.P. (W)	26.96	89.31	50.36		95.88			96.38	44.06	58.14	76.64		96.67	<b>84.99</b>
West Bengal	68.42	96.02	57.97		92.33			95.26	69.14	43.75			97.21	<b>87.99</b>
<b>Total</b>	<b>64.14</b>	<b>95.26</b>	<b>56.14</b>	<b>57.46</b>	<b>97.19</b>	<b>48.84</b>	<b>54.49</b>	<b>93.71</b>	<b>56.75</b>	<b>68.14</b>	<b>70.22</b>	<b>55.50</b>	<b>95.71</b>	<b>84.87</b>

## Wireline Subscriber Base

## Annexure-III

Circle	Group																Net Add.		
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone			Total	
	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13	Aug-13	Sep-13		Aug-13	Sep-13
Andhra Pradesh	1769793	1751010			124281	125802	88779	88593	164563	165416					5,910	5,940	2153326	2136761	-16565
Assam	191679	191564								0					810	840	192489	192404	-85
Bihar	373606	372808					5532	5592	10758	10692					240	270	390136	389362	-774
Delhi			1597453	1598794	1129736	1162863	183541	183570	91851	93159					14,100	14,490	3016681	3052876	36195
Gujarat	1505155	1496328			55630	55994	97150	96795	71943	72875					540	630	1730418	1722622	-7796
Haryana	475,479	470,023			23054	20742	5395	5440	26425	26489					0		530353	522694	-7659
Himachal Pradesh	258,081	256,824					4654	4733	2406	2446							265141	264003	-1138
J & K	192,342	189,774					0	0		0							192342	189774	-2568
Karnataka	1625720	1613635			490835	487776	115485	115937	148151	149472					4,230	4,260	2384421	2371080	-13341
Kerala	2886566	2871487			48827	49218	53132	52885	11640	11420							3000165	2985010	-15155
Kolkata	891182	886504			110876	106901	81291	81377	37175	37917					1,290	1320	1121814	1114019	-7795
Madhya Pradesh	829339	830208			238473	231995	25807	25563	16862	17100					150	120	1110631	1104986	-5645
Maharashtra	1956993	1942678			68050	68774	99706	99408	246405	247964					3,090	3,210	2374244	2362034	-12210
Mumbai			1945941	1944053	337224	350592	232950	233286	524011	523465					7,620	8,190	3047746	3059586	11840
North East	143493	143,447								0							143493	143447	-46
Orissa	349014	348150					3645	3676	6617	6738					360	360	359636	358924	-712
Punjab	940831	935140			102436	97111	24814	24577	16792	17087	200354	202402			300	270	1285527	1276587	-8940
Rajasthan	859306	852978			36187	36466	24299	24193	7760	7935			53141	54351	480	510	981173	976433	-4740
Tamil Nadu (incl. Chennai)	2324919	2310589			480378	471287	147206	147040	73688	74523					2940	3000	3029131	3006439	-22692
U.P.(E)	872179	766715			50931	51230	40438	40525	13970	14000					480	540	977998	873010	-104988
U.P.(W)	623493	616600			21125	21128	5947	5998	8476	8464					270	270	659311	652460	-6851
West Bengal	504659	521979					2127	2153	3727	3755							510513	527887	17374
<b>Total</b>	<b>19573829</b>	<b>19368441</b>	<b>3543394</b>	<b>3542847</b>	<b>3318043</b>	<b>3337879</b>	<b>1241898</b>	<b>1241341</b>	<b>1483220</b>	<b>1490917</b>	<b>200354</b>	<b>202402</b>	<b>53141</b>	<b>54351</b>	<b>42810</b>	<b>44220</b>	<b>29456689</b>	<b>29282398</b>	<b>-174291</b>
<b>Net Addition</b>		<b>-205388</b>		<b>-547</b>		<b>19836</b>		<b>-557</b>		<b>7697</b>		<b>2048</b>		<b>1210</b>		<b>1410</b>		<b>-174291</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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