

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 20th November, 2014

(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 30th September, 2014**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	930.20	27.41	957.61
Net Addition in September, 2014 (Million)	5.88	-0.12	5.77
Monthly Growth Rate	0.64%	-0.43%	0.61%
Urban Telephone Subscribers (Million)	547.70	21.85	569.56
Net Addition in September, 2014 (Million)	3.02	-0.06	2.96
Monthly Growth Rate	0.55%	-0.26%	0.52%
Rural Telephone Subscribers (Million)	382.50	5.55	388.05
Net Addition in September, 2014 (Million)	2.87	-0.06	2.81
Monthly Growth Rate	0.76%	-1.09%	0.73%
Overall Tele-density*	74.55	2.20	76.75
Urban Tele-density*	142.39	5.68	148.07
Rural Tele-density*	44.32	0.64	44.96
Share of Urban Subscribers	58.88%	79.74%	59.48%
Share of Rural Subscribers	41.12%	20.26%	40.52%
Broadband Subscribers (Million)	60.61	15.13	75.73

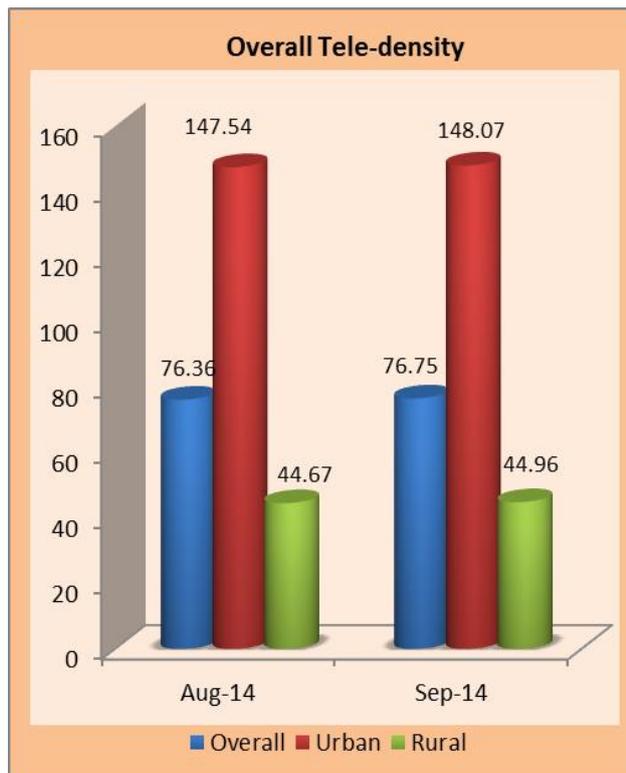
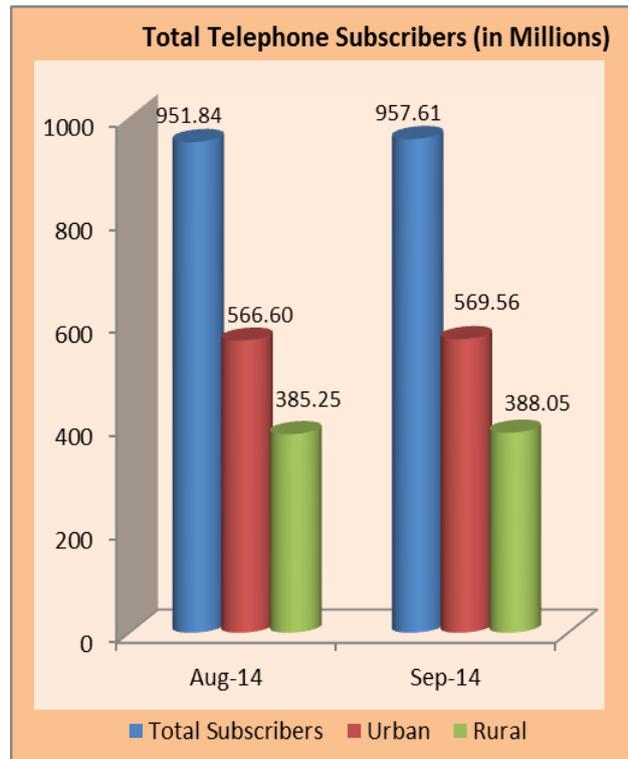
- ❖ In the month of September, 2014, 3.26 million subscribers submitted requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 129.56 million at the end of August, 2014 to 132.81 million at the end of September, 2014.
- ❖ Number of active wireless subscribers on the date of peak VLR# in September, 2014 was 812.11 million (87.30% of the total wireless subscriber base).

* 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.

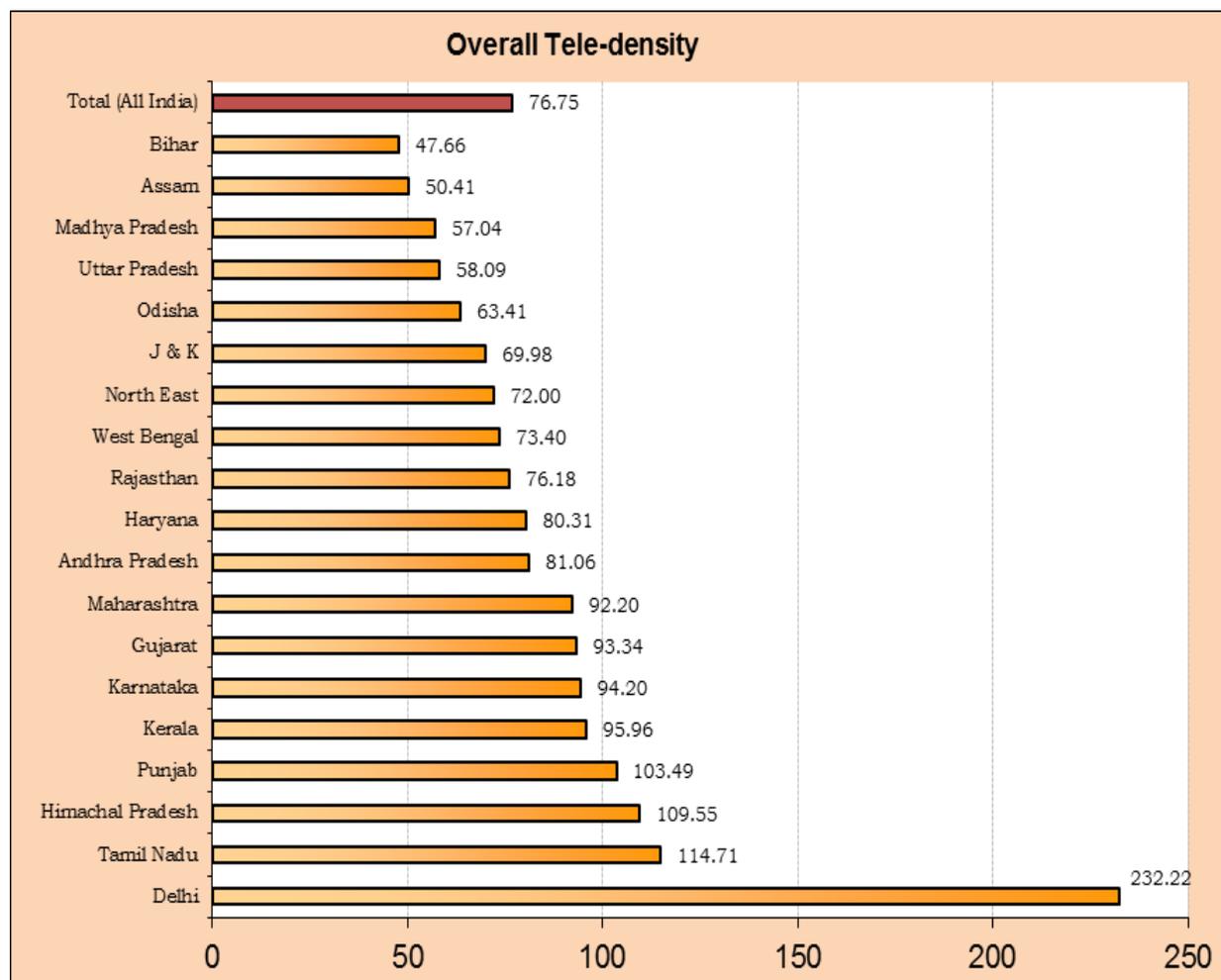
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 951.84 million at the end of August, 2014 to 957.61 million at the end of September, 2014, thereby showing a monthly growth rate of 0.61%. The urban subscription increased from 566.60 million at the end of August, 2014 to 569.56 million at the end of September, 2014 and the rural subscription increased from 385.25 million to 388.05 million during the same period. The monthly growth rates of urban and rural subscription were 0.52% and 0.73% respectively.



- The overall Tele-density in India increased from 76.36 at the end of August, 2014 to 76.75 at the end of September, 2014. The Urban Tele-density increased from 147.54 to 148.07 and Rural Tele-density increased from 44.67 to 44.96 in the month of September 2014. The shares of urban subscribers and rural subscribers at the end of September, 2014 were 59.48% and 40.52% respectively.

Overall Tele-density (Circle/State Wise) – As on 30th September, 2014

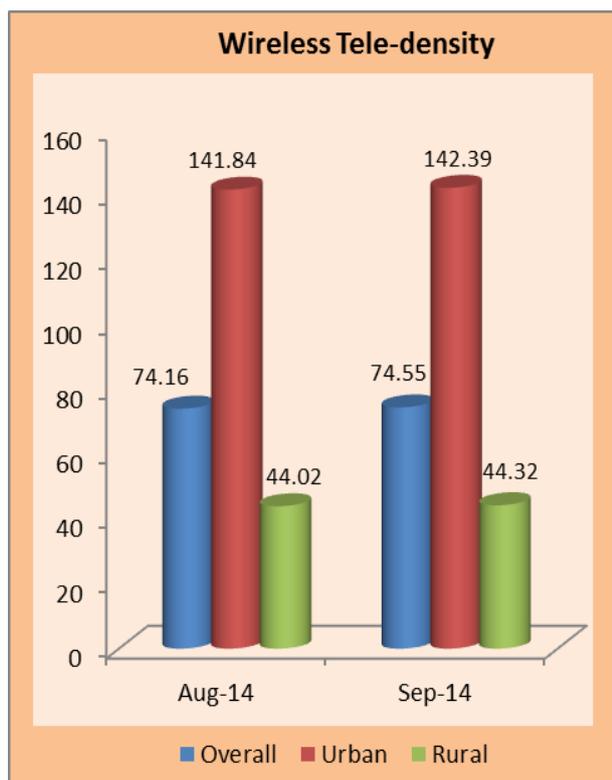


Notes:

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

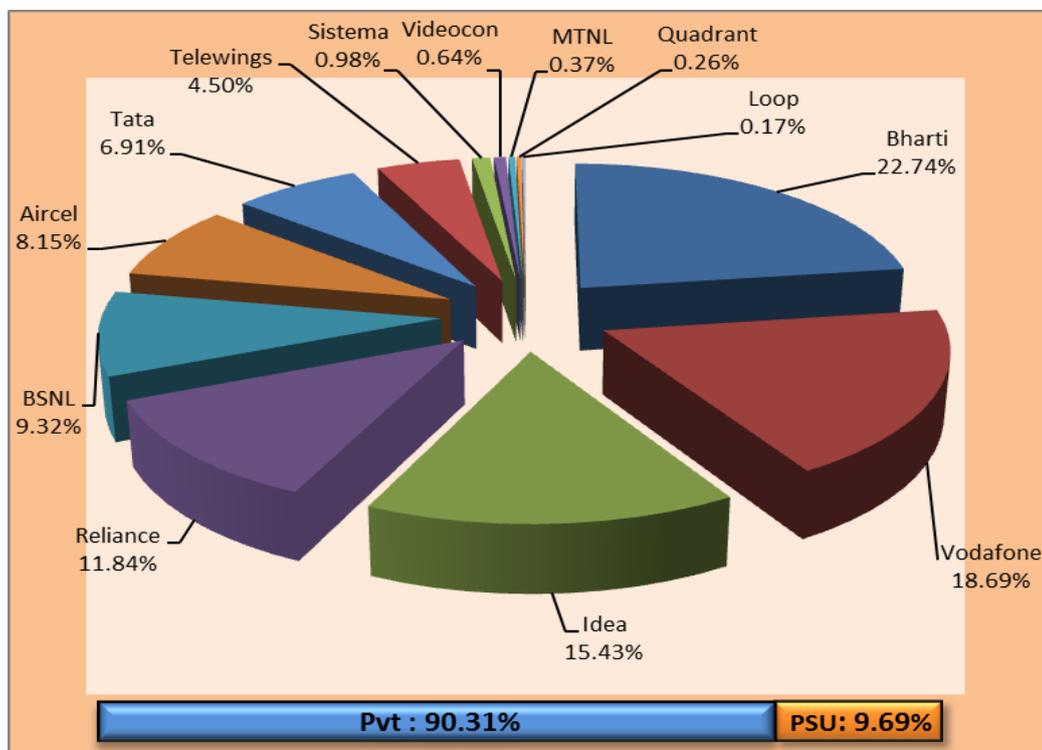
- Total wireless subscriber base increased from 924.32 million at the end of August, 2014 to 930.20 million at the end of September, 2014, thereby registering a monthly growth rate of 0.64%. Wireless subscription in urban areas increased from 544.69 million at the end of August, 2014 to 547.70 million at the end of September, 2014. The wireless subscription in rural areas increased from 379.63 million to 382.50 million during the same period. The monthly growth rates of urban and rural wireless subscription were 0.55% and 0.76% respectively.



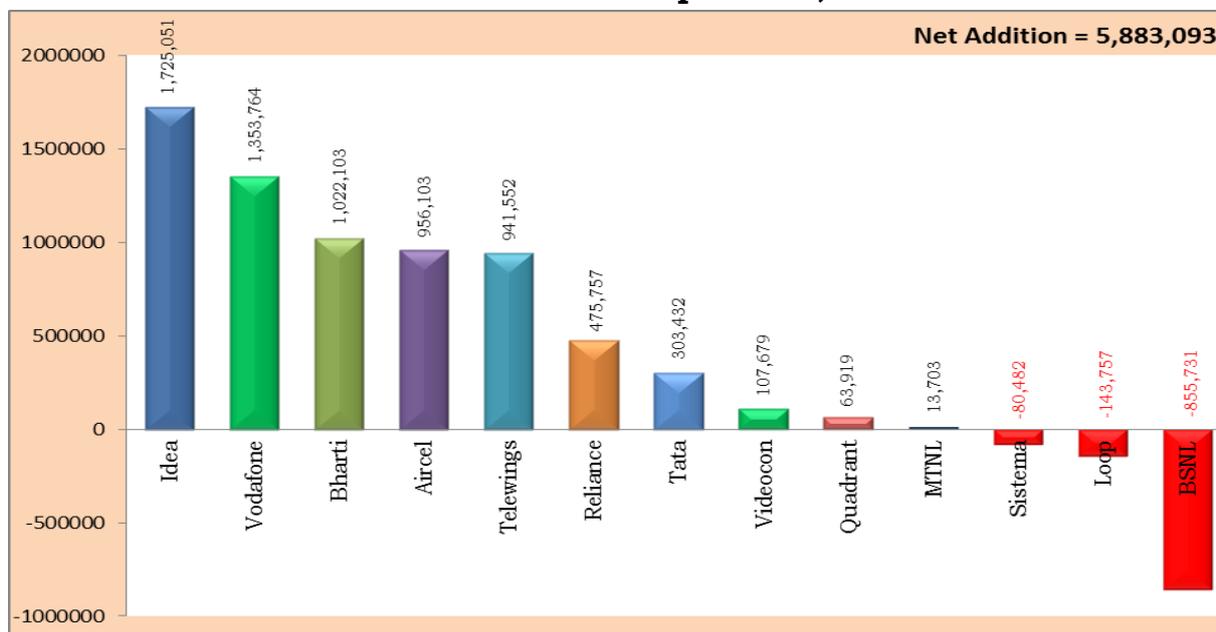
- The Wireless Tele-density in India increased from 74.16 at the end of August, 2014 to 74.55 at the end of September, 2014. The Urban Wireless Tele-density increased from 141.84 to 142.39 and Rural Wireless Tele-density increased from 44.02 to 44.32 in the month of September, 2014. The shares of urban and rural wireless subscribers were 58.88% and 41.12% respectively at the end of September, 2014. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 30th September, 2014, the private access service providers held 90.31% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, held only 9.69% market share. The graphical representations of access service provider-wise market shares in the wireless segment and net additions in wireless subscriber bases are given below:

Access Service Provider-wise Market Shares in the Wireless Subscribers as on 30th September, 2014



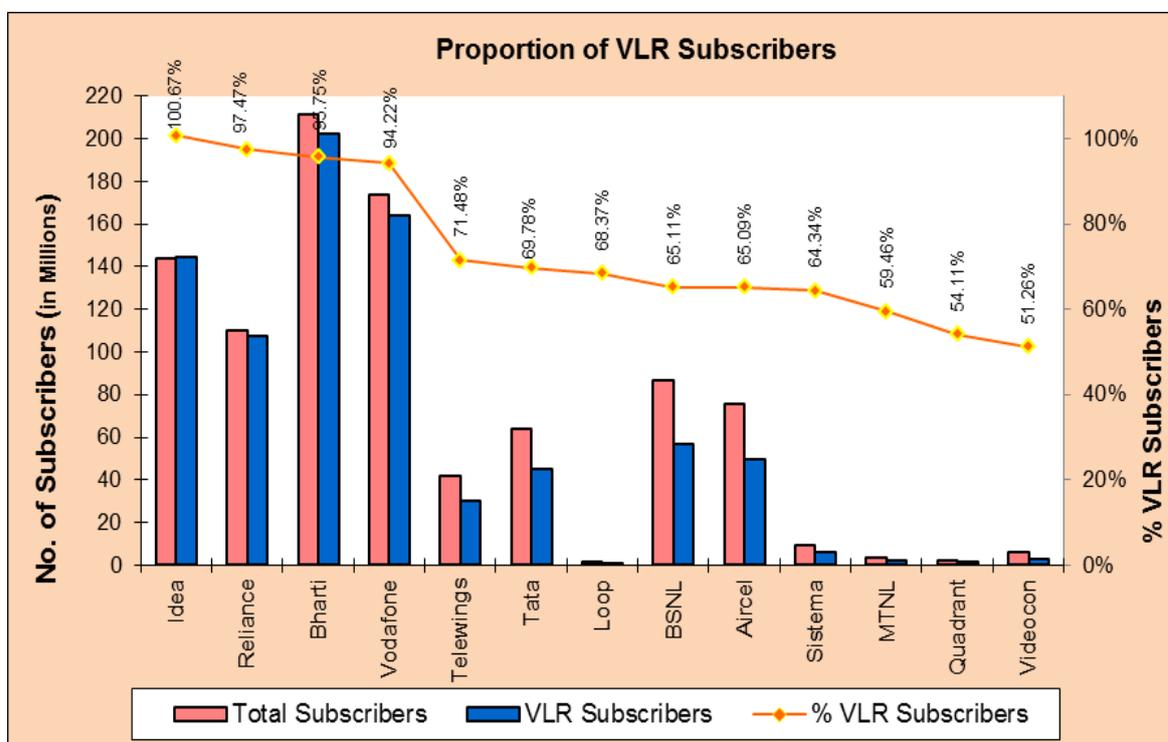
Net Additions in Wireless Subscriber Bases of Access Service Providers in the Month of September, 2014



III. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscriber base (930.20 million), 812.11 million wireless subscribers were active on the date of peak VLR in the month of September, 2014. The proportion of active wireless subscribers was approximately 87.30% 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 September, 2014 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

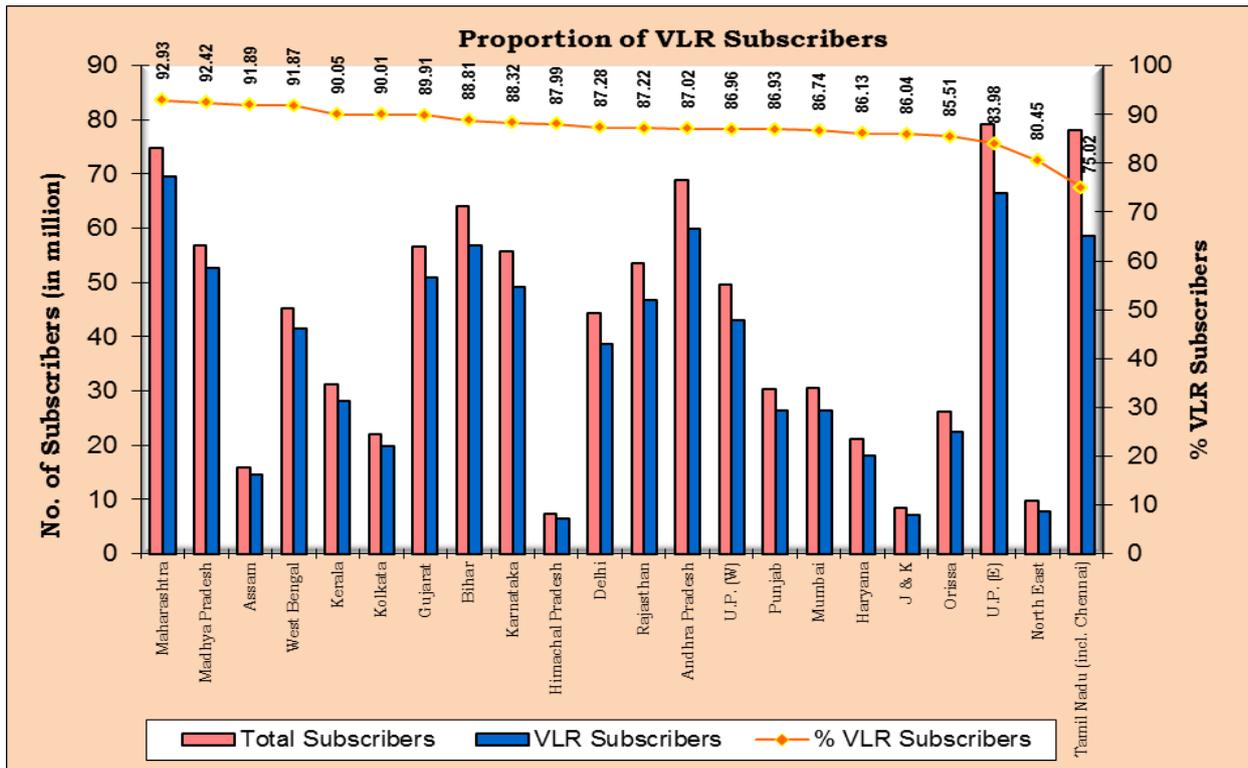
Access Service Provider-wise Proportion of VLR Subscribers In the Month of September, 2014



Note-

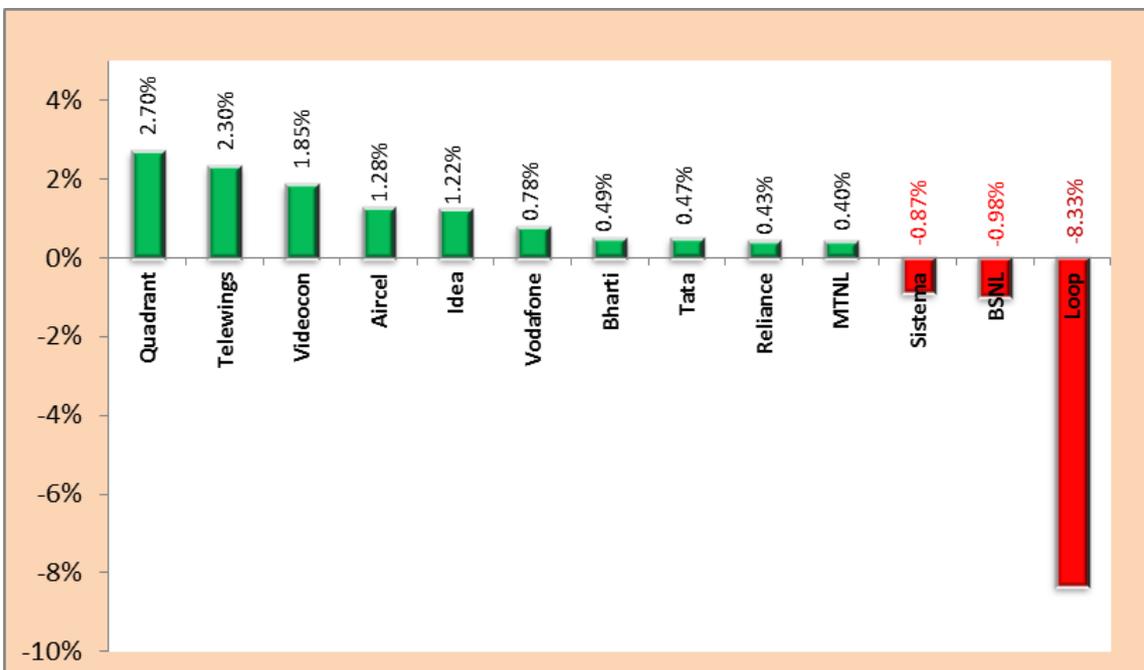
1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.
2. Telewings was formerly known as Unitech.

Proportion of VLR Subscribers (Service Area-wise) in the Month of September, 2014



IV. Growth in Wireless Subscribers

Monthly Growth Rate of Wireless Subscribers (Access Service Provider-wise) in the Month of September, 2014



Monthly Growth Rate of Wireless Subscribers (Service Area-wise) in the Month of September, 2014



- Kolkata service area recorded the highest growth rate in wireless subscribers during the month of September, 2014 whereas Rajasthan showed decline in subscriber bases during the month.

V. Mobile Number Portability

- In the month of September, 2014, a total of 3.26 million subscribers submitted their requests for MNP. With this, the cumulative MNP requests increased from 129.56 million at the end of August, 2014 to 132.81 million at the end of September, 2014.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 13.16 million) followed by Gujarat (about 11.10 million). In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 15.11 million) followed by Andhra Pradesh (about 12.45 million).

- The status of MNP requests in various service areas is given below:

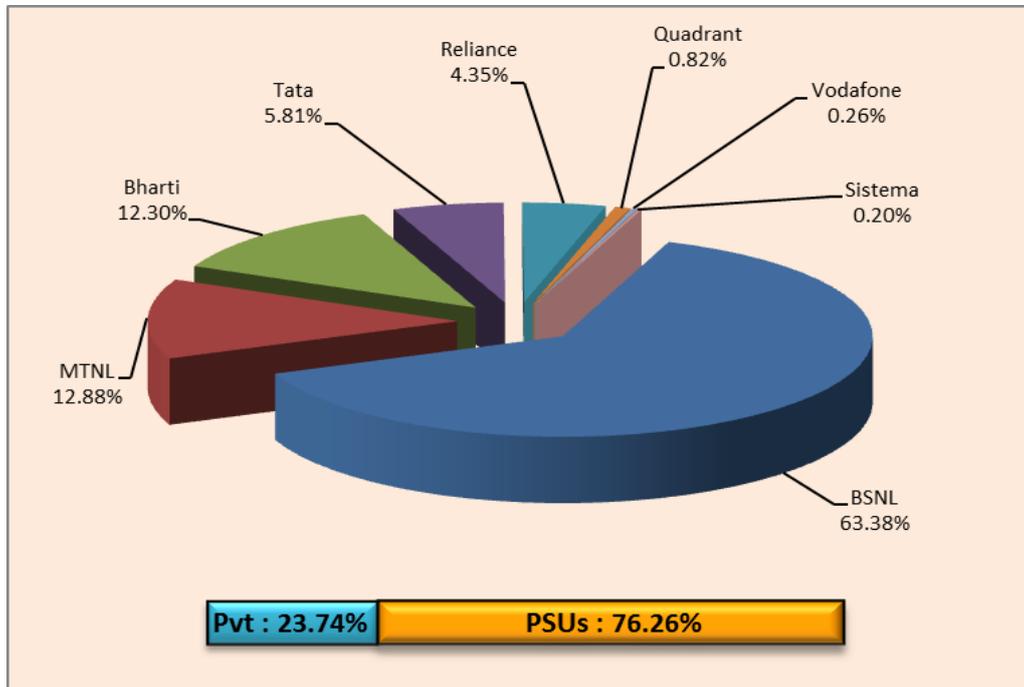
MNP Requests (Service Area-wise) at the end of September, 2014			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	5170027	Andhra Pradesh	12453802
Gujarat	11097458	Assam	448980
Himachal Pradesh	456036	Bihar	3078609
Haryana	4953170	Karnataka	15107387
Jammu & Kashmir	28690	Kerala	4930268
Maharashtra	10231378	Kolkata	3057671
Mumbai	6251314	Madhya Pradesh	7657514
Punjab	4619683	North East	233993
Rajasthan	13175742	Orissa	2777491
Uttar Pradesh - East	7001304	Tamil Nadu	8047965
Uttar Pradesh - West	6874935	West Bengal	5161567
Total	69,859,737	Total	62,955,247
Total (Zone-1 + Zone-2)			132,814,984
Net Addition (in September, 2014)			3,258,166

VI. Wireline Subscribers

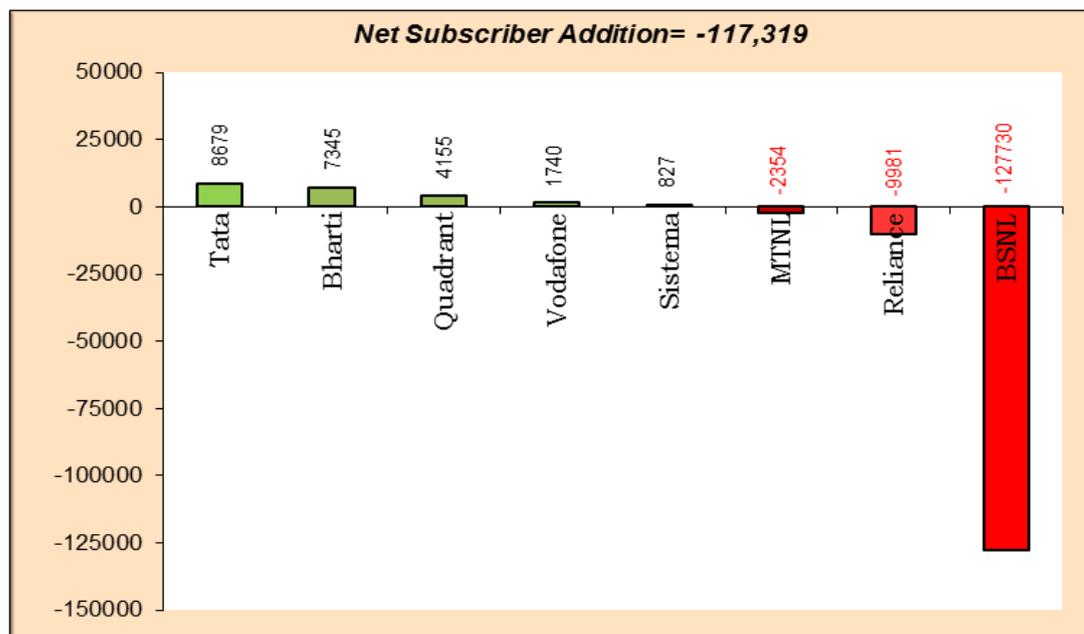
- Wireline subscriber base declined from 27.52 million at the end of August, 2014 to 27.41 million at the end of September, 2014. Net reduction in the wireline subscriber base was 0.12 million at the monthly decline rate of 0.43%. The share of urban and rural subscribers in total wireline subscribers were 79.74% and 20.26% respectively at the end of September, 2014.
- The Overall Wireline Tele-density decreased from 2.21 in August, 2014 to 2.20 in September, 2014, with Urban Wireline Tele-density and Rural Wireline Tele-density being 5.68 and 0.64 respectively. BSNL and MTNL, the two PSU access service providers, held 76.26% 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 September, 2014 are given below:

Access Service Provider-wise Market Shares in the Wireline Subscribers as on 30th September, 2014



Net Additions in Wireline Subscriber Bases of Access Service Providers in the Month of September, 2014



Note : Vodafone has informed that it offers only Primary Rate Interfaces (PRIs) in wireline service segment.

VII. Category-wise Growth

- As can be seen from the following tables, in wireless segment, the Circles of Category-A showed the highest net addition and the highest monthly growth rate of subscriber base in the month of September, 2014. In Wireline segment, Circles of Category-B showed the highest net decline and the highest monthly decline rate of subscriber base in the same period.

Circle Category-wise Net Additions in Telephone Subscribers

Circle Category	Net additions in the month of September, 2014		Telephone Subscriber base as on 30 th September, 2014	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-52068	2775480	10861382	334116456
Circle B	-52159	1666663	7928564	367318278
Circle C	-6584	769112	1422981	131880998
Metro	-6508	671838	7192974	96886288
All India	-117,319	5,883,093	27,405,901	930,202,020

Circle Category-wise Growth Rates in Telephone Subscribers

Circle Category	Monthly growth rate (%) (Aug-14 to Sep-14)		Yearly growth rate (%) (Sep-13 to Sep-14)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.48	0.84	-6.36	6.99
Circle B	-0.65	0.46	-11.11	6.62
Circle C	-0.46	0.59	-7.47	8.15
Metro	-0.09	0.70	-0.46	5.49
All India	-0.43	0.64	-6.41	6.85

Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of Tamilnadu.

VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 74.31 Million at the end of August 2014 to 75.73 million at the end of September 2014 with monthly growth rate of 1.92%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment-wise Broadband Subscribers and Monthly Growth Rates

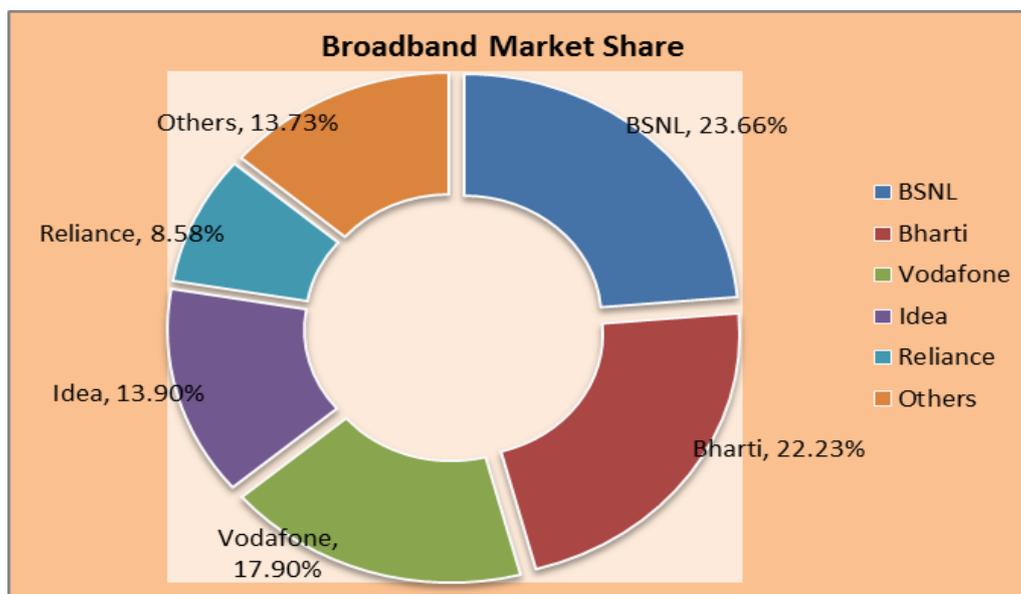
Segment	Broadband subscribers (in million)		Monthly growth rate
	As on 31 st August, 2014	As on 30 th September, 2014	
Wired subscribers	15.05	15.13	0.53%
Mobile devices users (Phones and dongles)	58.82	60.19	2.32%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.44	0.42	-4.31%
Total	74.31	75.73	1.92%

- Top five service providers constituted 86.27% market share of total broadband subscribers at the end of September, 2014. These service providers were BSNL (17.92 million), Bharti Airtel (16.83 million), Vodafone (13.56 million), Idea Cellular Ltd* (10.53 million) and Reliance Communications Group* (6.50 million).

* Wireless subscribers with less than 1MB data usage in a month have not been considered as internet/broadband subscribers by Reliance Communication Group and Idea Cellular Ltd.

- 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 30th September, 2014, the top five Wired Broadband Service providers were BSNL (9.98 million), Bharti Airtel (1.40 million), MTNL (1.13 million), Beam Telecom (0.42 million) and YOU Broadband (0.41 million).
- As on 30th September, 2014, the top five Wireless Broadband Service providers were Bharti Airtel (15.44 million), Vodafone (13.55 million), Idea Cellular (10.52 million), BSNL (7.94 million) and Reliance Communications Group (6.40 million).

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Advisor (F&EA-I)**

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	
	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14
Andhra Pradesh	20504182	20584804	4927156	4875076	6448700	6623389	6160065	6189564	12861243	13077270	2171267	2204855	9907416	9946228
Assam	4728560	4765883	2233096	2227943	2936351	2944656			653677	666458	3923704	4003311	1297832	1298949
Bihar	22628959	22658278	9495425	9583334	7662118	7697096	2503525	2467136	6959036	7090620	5417636	5442632	3069058	3053670
Delhi	10637283	10774507	7967356	8040829	9256984	9338371	2861262	2558902	5698658	5796383	4384389	4511028		
Gujarat	7445299	7498409	6165936	6159117	17870983	18041356	3124293	3174989	10027476	10133624	18563	18563	3196248	3201843
Haryana	2404621	2421066	1942884	1954587	4962346.22	4965825	2613848	2651102	4201068	4252950	3592	3592	3209094	3209502
Himachal Pradesh	2316489	2335669	1423733	1441996	589996	598035	117546	112957	620170	634636	868923	876478	1439523	1443707
J & K	2816533	2800232	724825	734783	879918	890099			426434	423722	2246674	2284190	1255643	1266127
Karnataka	17670667	17777929	5221272	5206758	7413554	7524081	6401995	6553724	7151070	7348259	2740310	2807110	7006262	6782120
Kerala	3783546	3818401	1728519	1752088	6833066	6897766	1697441	1694252	9142717	9264596	918	918	7353560	7432438
Kolkata	3957518	4005840	3662945	3747523	4726709	4751505	2922573	2969276	1482547	1532614	3382547	3470458	830513	827215
Madhya Pradesh	10859173	10951800	12046746	11967850	4955361	5048878	4543053	4532716	18210734	18267158	22694	22694	3849307	3867006
Maharashtra	10579242	10533521	6992254	6987795	16153899	16343514	6318207	6387413	19868100	20168615	1670909	1694890	5598556	5544309
Mumbai	4599522	4650945	5997585	6031423	7805244	7865981	3482701	3538467	3551403	3606124	2199731	2213482		
North East	3173211	3191007	843536	851971	1218843	1229623			377288	390278	2447281	2532562	1563113	1559493
Orissa	8246808	8317844	3771231	3692223	3577433	3561326	2193127	2233063	1170828	1206630	3831385	3855679	3410587	3425958
Punjab	7535544	7596318	2857115	2910753	4733707	4769649	2420111	2470402	5915564	5970601	982716	991039	3404295	3168449
Rajasthan	16311392	16388986	5814598	5938710	10357586	10362725	1897919	1893139	6244583	6268311	5194172	5252634	5732726	5337405
Tamil Nadu (incl. Chennai)	14980817	15052717	5828277	5793837	13560660	13679203	5691800	5725095	3288171	3432626	23330712	23443748	9899459	9901707
U.P.(E)	17314300	17331023	7747305	7717108	16437590	16430059	4300911	4348346	8270920	8271049	5698589	5745174	9732228	9661222
U.P.(W)	7089398	7081358	5168453	5154122	10181424	10218371	3662210	3726210	12161905	12130607	111903	120935	3834238	3804561
West Bengal	10946149	11014779	7088020	7354198	13931057	14065785	1032067	1021333	3551548	3627060	4245931	4354677	1984171	1986189
Total	210529213	211551316	109648267	110124024	172493529	173847293	63944654	64248086	141835140	143560191	74894546	75850649	87573829	86718098
Net Addition		1022103		475757		1353764		303432		1725051		956103		-855731

Wireless Subscriber Base

Annexure-I

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Circle	Group												Total		Net Addition
	MTNL		Telewings		Sistema		Loop		Videocon		Quadrant		Aug-14	Sep-14	
	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14			
Andhra Pradesh			5228043	5359457									68208072	68860643	652571
Assam													15773220	15907200	133980
Bihar			6051831	6090744									63787588	64083510	295922
Delhi	2310602	2316636			1018699	997830							44135233	44334486	199253
Gujarat			6219119	6299248	178494	179032			1997202	2019730			56243613	56725911	482298
Haryana									1646225	1675194			20983678	21133818	150139.78
Himachal Pradesh													7376380	7443478	67098
J & K													8350027	8399153	49126
Karnataka					1745823	1721646							55350953	55721627	370674
Kerala					404837	401470							30944604	31261929	317325
Kolkata					677766	677124							21643118	21981555	338437
Madhya Pradesh									2190766	2246948			56677834	56905050	227216
Maharashtra			6766076	7125382									73947243	74785439	838196
Mumbai	1073175	1080844					1726738	1582981					30436099	30570247	134148
North East													9623272	9754934	131662
Orissa													26201399	26292723	91324
Punjab											2370056	2433975	30219108	30311186	92078
Rajasthan					2189820	2191050							53742796	53632960	-109836
Tamil Nadu (incl. Chennai)					1011199	993903							77591095	78022836	431741
U.P.(E)			9685732	9772784									79187575	79276765	89190
U.P.(W)			6923233	7167971	206442	200988							49339206	49605123	265917
West Bengal					1777871	1767426							44556814	45191447	634633
Total	3383777	3397480	40874034	41815586	9210951	9130469	1726738	1582981	5834193	5941872	2370056	2433975	924318927	930202020	5883093
Net Addition		13703		941552		-80482		-143757		107679		63919		5883093	

Proportion of VLR on the date of Peak VLR in the month of Sep-14 (%)											Annexure-II			
Circle	Aircel	Bharti	BSNL	Quadrant	Idea*	Loop	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	63.31	97.98	63.00		99.80			99.28		74.98	68.58		88.85	87.02
Assam	83.95	98.87	80.69		91.24			93.73					95.09	91.89
Bihar	71.89	95.08	61.50		100.01			99.27		52.66	73.69		93.34	88.81
Delhi	65.48	85.23			97.34		50.98	99.34	49.25	66.51			102.30	87.28
Gujarat	52.37	95.72	86.44		102.58			99.35	80.91	66.63	70.21	50.37	93.31	89.91
Haryana	155.15	98.35	64.32		99.37			99.56		75.98		50.84	94.93	86.13
Himachal Pradesh	59.27	96.62	78.50		105.92			94.60		47.66			91.95	87.99
J & K	84.42	95.48	81.94		93.47			58.93					85.15	86.04
Karnataka	61.72	99.71	59.23		102.38			99.19	63.66	79.14			89.94	88.32
Kerala	100.87	97.04	75.77		100.96			94.89	60.81	73.45			91.46	90.05
Kolkata	74.49	96.81	87.44		92.96			98.77	92.49	71.50			99.39	90.01
Madhya Pradesh	2.66	94.13	78.63		104.63			93.14		72.16		52.38	89.84	92.42
Maharashtra	62.08	99.36	84.69		103.13			99.34		73.47	70.28		96.94	92.93
Mumbai	63.04	94.30			95.07	68.37	77.63	99.34		69.61			88.10	86.74
North East	70.17	98.00	52.38		87.45			86.01					85.62	80.45
Orissa	60.20	95.55	82.66		92.43			98.72		68.51			86.83	85.51
Punjab	46.78	94.88	76.18	54.11	100.27			99.14		63.46			94.49	86.93
Rajasthan	64.63	95.05	49.75		103.99			99.24	59.27	88.62			94.19	87.22
Tamil Nadu (incl. Chennai)	57.63	96.51	48.57		81.97			93.64	67.85	64.90			95.46	75.02
U.P. (E)	64.65	95.99	47.53		102.20			99.47		60.75	72.70		95.91	83.98
U.P. (W)	64.25	90.14	63.21		98.20			99.42	55.07	63.46	72.44		93.65	86.96
West Bengal	74.89	96.02	82.33		100.84			95.99	67.25	51.59			96.76	91.87
Total	65.09	95.75	65.11	54.11	100.67	68.37	59.46	97.47	64.34	69.78	71.48	51.26	94.22	87.30

*Peak VLR figures in some circles of Idea Cellular Ltd., M/s Aircel Ltd. 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																Total		Net Addition
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone		Aug-14	Sep-14	
	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14	Aug-14	Sep-14			
Andhra Pradesh	1590478	1576418			122952	122398	85181	84230	166949	166066					8,490	8,580	1974050	1957692	-16358
Assam	179670	179241													1,260	1,290	180930	180531	-399
Bihar	358027	357674					5955	6096	11752	12011					690	750	376424	376531	107
Delhi			1602785	1603251	1195952	1196544	181254	180041	112555	114873					18,990	19,500	3111536	3114209	2673
Gujarat	1379483	1372851			59192	59958	87996	85900	78130	79237					1,980	2,070	1606781	1600016	-6765
Haryana	433,407	426,944			16467	16450	5059	4881	28675	30007					90	150	483698	478432	-5266
Himachal Pradesh	233,657	230,839					4861	4837	2672	2728					90	90	241280	238494	-2786
J & K	161,478	160,363															161478	160363	-1115
Karnataka	1464480	1454534			502978	506981	122793	124008	169228	170904					6,060	6,120	2265539	2262547	-2992
Kerala	2682080	2659577			48590	48742	44919	42553	13584	14378					450	510	2789623	2765760	-23863
Kolkata	806442	800147			105672	105891	80726	80711	44159	44744					2850	3000	1039849	1034493	-5356
Madhya Pradesh	831359	831860			228228	228934	22177	22187	19048	19111					330	330	1101142	1102422	1280
Maharashtra	1804708	1789483			70069	70346	89235	86795	263605	263285					9,030	9,120	2236647	2219029	-17618
Mumbai			1929732	1926912	349849	349402	235040	234239	523036	523099					10,440	10,620	3048097	3044272	-3825
North East	130,906	130,095													90	120	130996	130215	-781
Orissa	327519	325809					2912	2952	7546	7546					480	540	338457	336847	-1610
Punjab	827091	818372			91999	91942	21430	20851	17078	16935	219992	224147			540	540	1178130	1172787	-5343
Rajasthan	758386	749996			38857	39232	21907	22092	9165	9545			54889	55716	1,680	1,800	884884	878381	-6503
Tamil Nadu (incl. Chennai)	2135092	2126088			459752	459758	143132	142248	86787	88214					5670	5790	2830433	2822098	-8335
U.P.(E)	440908	436242			53189	54655	38701	38676	15313	15330					1,020	1,050	549131	545953	-3178
U.P.(W)	480892	476823			20574	20432	6408	6408	9602	9679					330	330	517806	513672	-4134
West Bengal	470629	465606					1897	1897	3753	3624					30	30	476309	471157	-5152
Total	17496692	17368962	3532517	3530163	3364320	3371665	1201583	1191602	1582637	1591316	219992	224147	54889	55716	70590	72330	27523220	27405901	-117319
Net Addition		-127730		-2354		7345		-9981		8679		4155		827		1740		-117319	

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:-

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 Distribution Channels (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.