

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 12th May, 2014
(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 31st March, 2014**

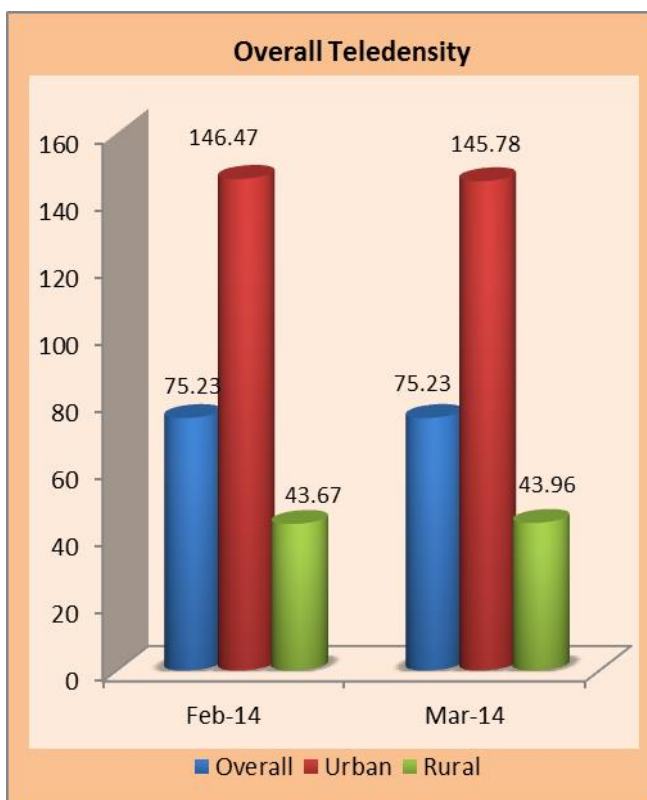
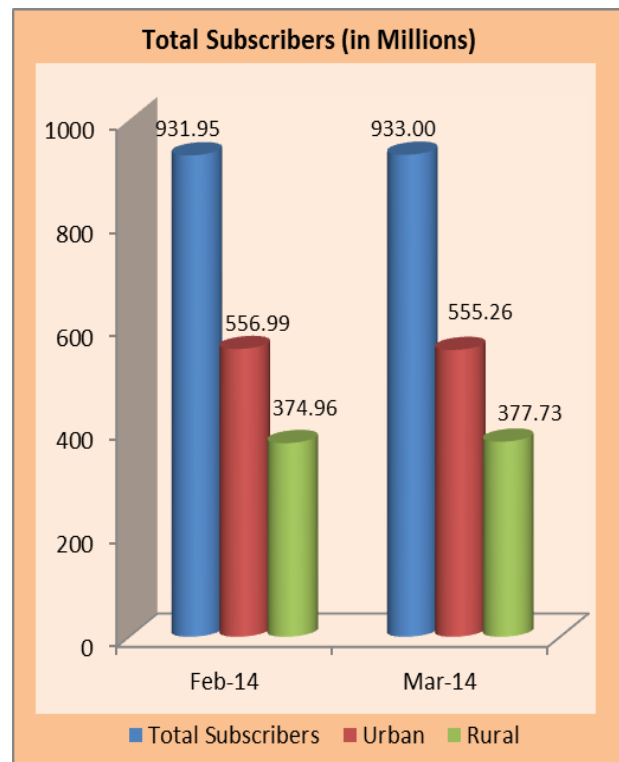
Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	904.51	28.49	933.00
Total Net Monthly Addition (Million)	1.15	-0.11	1.04
Monthly Growth	0.13%	-0.37%	0.11%
Urban Subscribers (Million)	532.73	22.53	555.26
Urban Subscribers Net Monthly Addition (Million)	-1.67	-0.06	-1.73
Monthly Growth	-0.31%	-0.25%	-0.31%
Rural Subscribers (Million)	371.78	5.96	377.73
Rural Subscribers Net Monthly Addition (Million)	2.82	-0.05	2.77
Monthly Growth	0.76%	-0.85%	0.74%
Overall Teledensity*	72.94	2.30	75.23
Urban Teledensity*	139.86	5.91	145.78
Rural Teledensity*	43.27	0.69	43.96
Share of Urban Subscribers	58.90%	79.09%	59.51%
Share of Rural Subscribers	41.10%	20.91%	40.49%

- ❖ Mobile Number Portability requests increased from 114.41 million subscribers at the end of February, 2014 to 117.01 million at the end of March, 2014. In the month of March, 2014 alone 2.60 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in March, 2014 are 790.87 million, 87.44% of the total subscribers.
- ❖ Total Broadband (\geq 512 Kbps) subscription increased from 58.00 million at the end of February, 2014 to 60.87 million at the end of March, 2014. Out of which, wired broadband subscription is 14.86 million and wireless broadband subscription is 46.01 million.

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

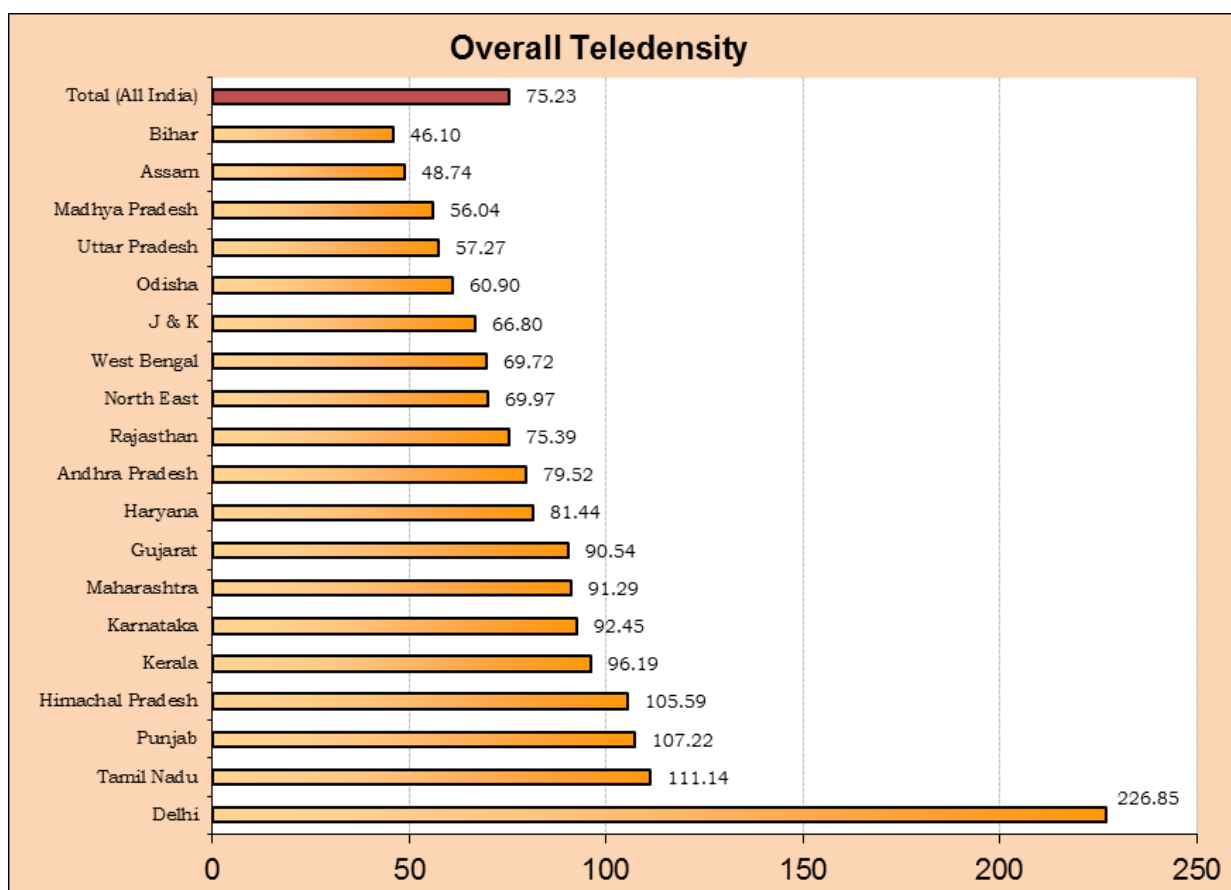
I. Total Telephone Subscribers

• The number of telephone subscribers in India increased from 931.95 million at the end of February, 2014 to 933.00 million at the end of March, 2014, thereby showing a monthly growth of 0.11%. The share of urban subscribers has declined from 59.77% to 59.51% whereas share of rural subscribers has increased from 40.23% to 40.49% in the month of March, 2014. With this, the overall Tele-density in India remained same at 75.23 at the end of March, 2014 as compared to previous month.



• Subscription in the urban areas declined from 556.99 million at the end of February, 2014 to 555.26 million at the end of March, 2014. Whereas, subscription in rural areas increased from 374.96 million to 377.73 million during the same period. The monthly growth rate of urban and rural subscription is -0.31% and 0.74% respectively. The overall urban Tele-density has declined from 146.47 to 145.78 whereas Rural Tele-density increased from 43.67 to 43.96 in this month.

Overall Teledensity (Circle/State Wise) – As on 31st March, 2014

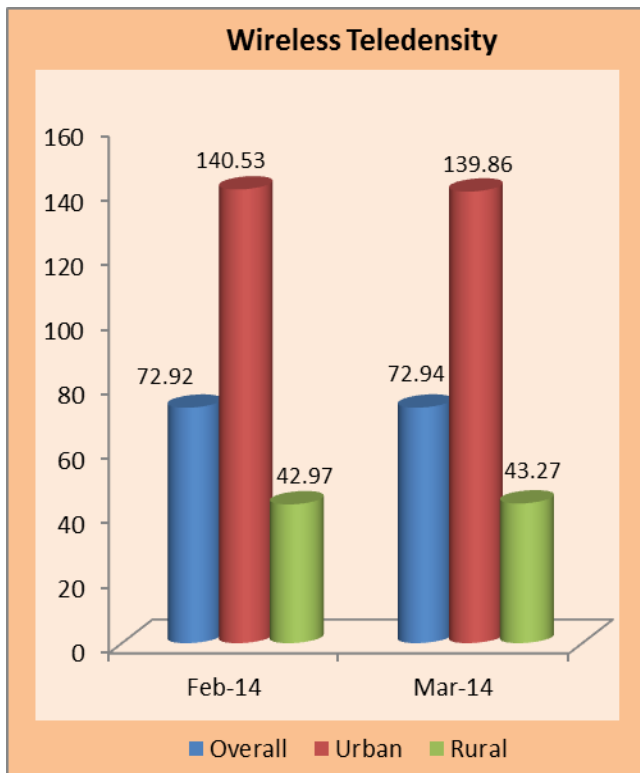
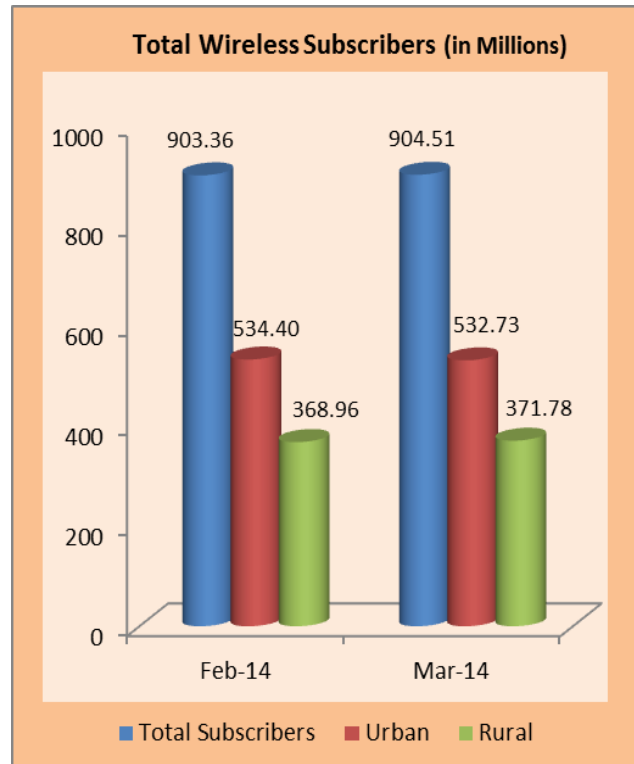


Notes:

1. Population data/Projections are available state wise only.
2. Tele-density 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)

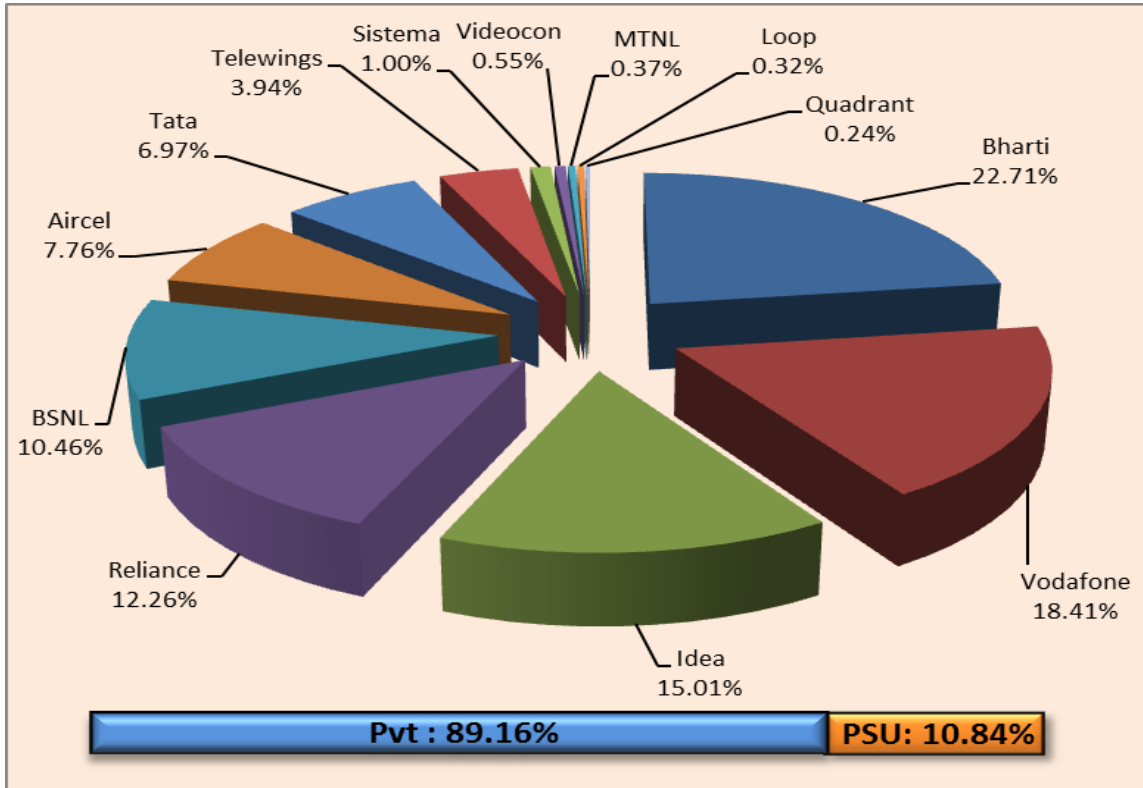
- Total wireless subscriber base increased from 903.36 million in February, 2014 to 904.51 million at the end of March, 2014, registering a monthly growth of 0.13%. The share of urban wireless subscribers has declined from 59.16% to 58.90% whereas share of rural wireless subscribers has increased from 40.84% to 41.10%. The overall wireless Tele-density in India has slightly increased to 72.94 at the end of March, 2014 from 72.92 of previous month.



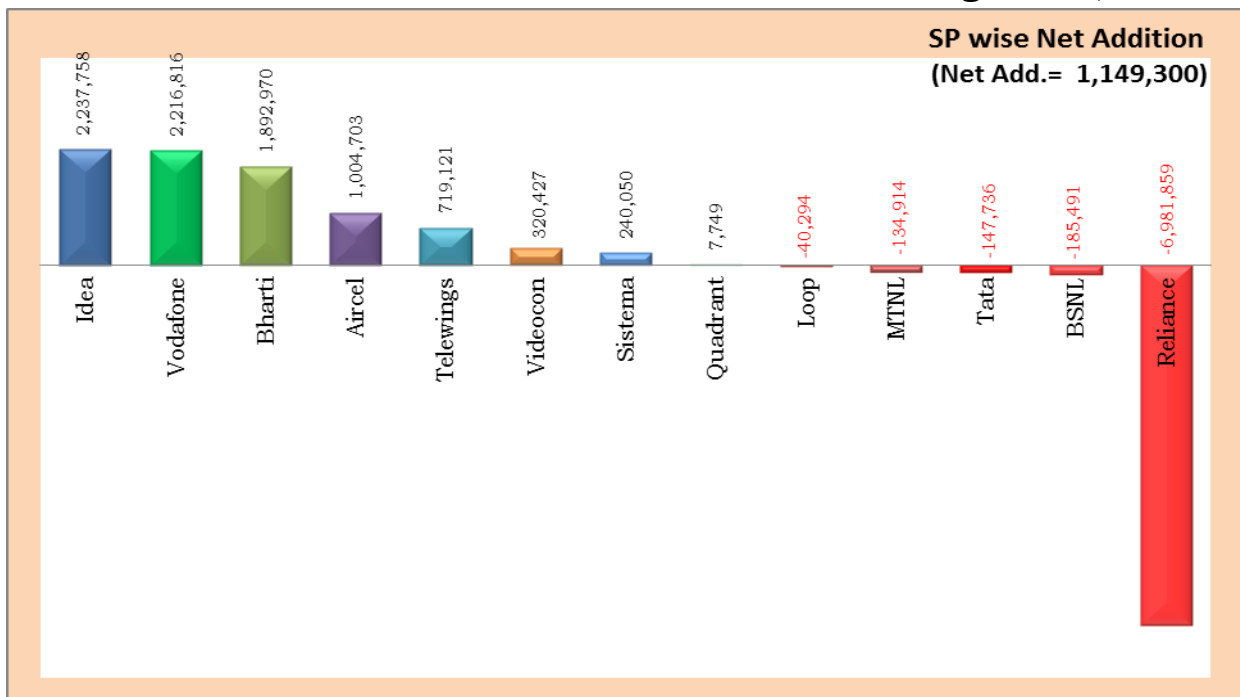
- Wireless subscription in urban areas declined from 534.40 million at the end of February, 2014 to 532.73 million at the end of March, 2014. Whereas, the wireless subscription in rural areas increased from 368.96 million to 371.78 million during the same period. The urban wireless Tele-density has declined from 140.53 to 139.86 whereas rural Tele-density has increased from 42.97 to 43.27. Detailed statistics of wireless subscriber base is available at Annexure-I.

- Private operators hold 89.16% of the wireless subscriber market share where as BSNL and MTNL, the two PSU operators hold only 10.84% market share. The graphical representations of market shares and shares in net additions of all the service providers during the month of March, 2014 are given below:

A. Service Provider wise Market Share as on 31st March, 2014.



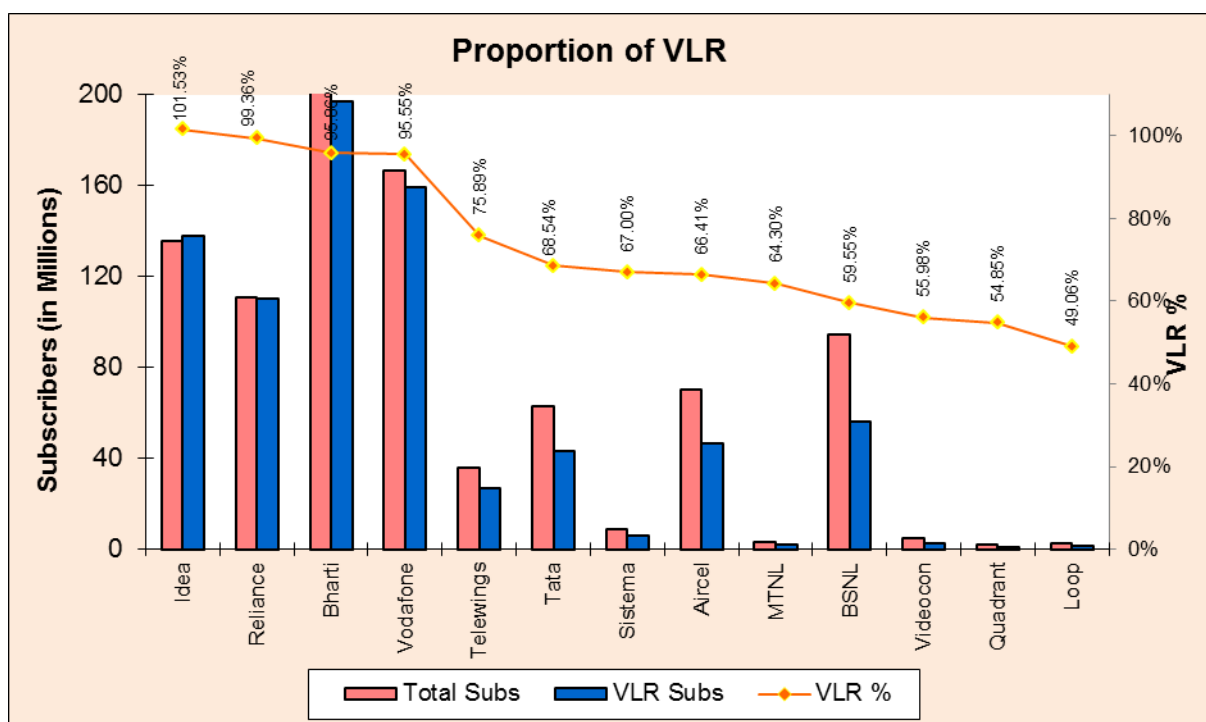
B. Service Provider wise net subscriber addition during March, 2014



III. VLR Data

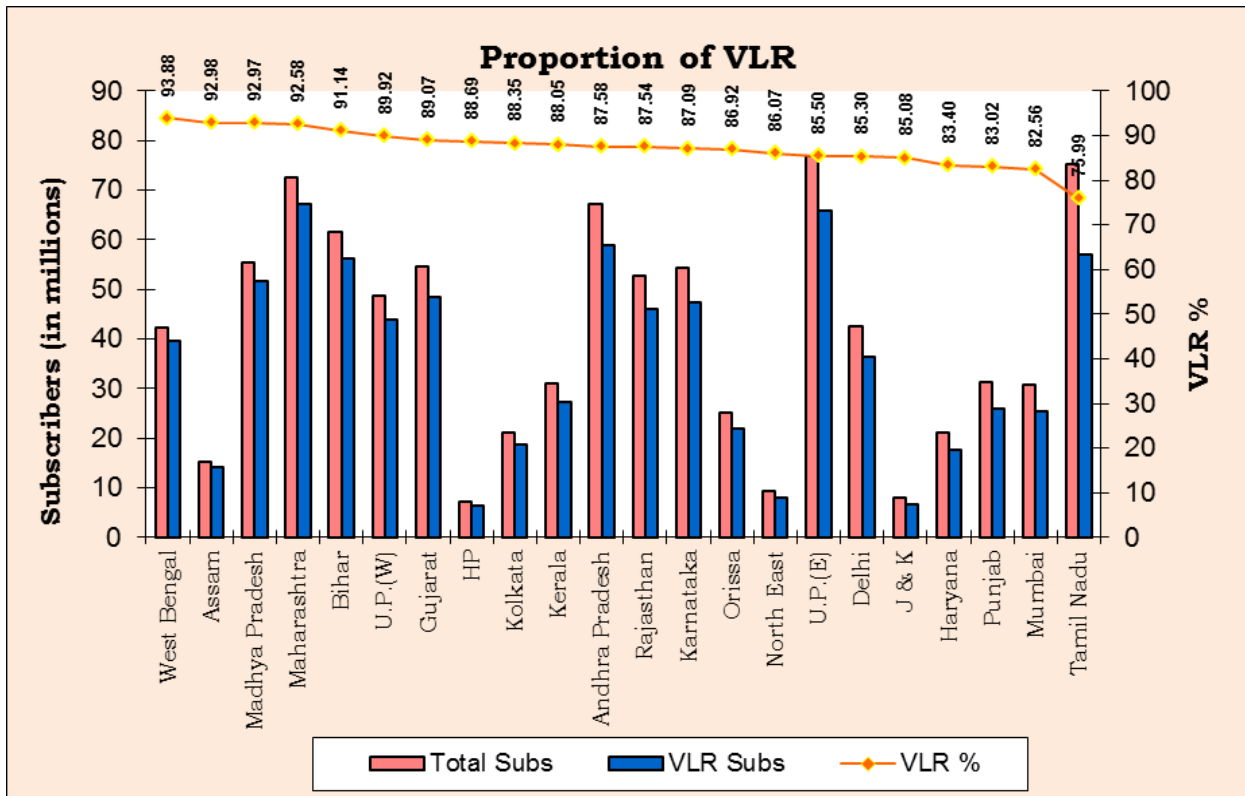
- Out of the total 904.51 million wireless subscribers, 790.87 million were active on the date of Peak VLR for the month of March, 2014. The proportion of VLR subscribers is approximately 87.44% of the total wireless subscriber base reported by the service providers.
- Service Provider wise, Idea leads the tally with 101.53% followed by Reliance (99.36%) and Bharti (95.86%). Loop has the lowest proportion of VLR with 49.06%. Circle-wise, West Bengal has the highest proportion of VLR subscribers with 93.88% followed by Assam (92.98%) and Madhya Pradesh (92.97%). Tamil Nadu (incl. Chennai) has the lowest VLR proportion with 75.99%.
- 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) – March, 2014

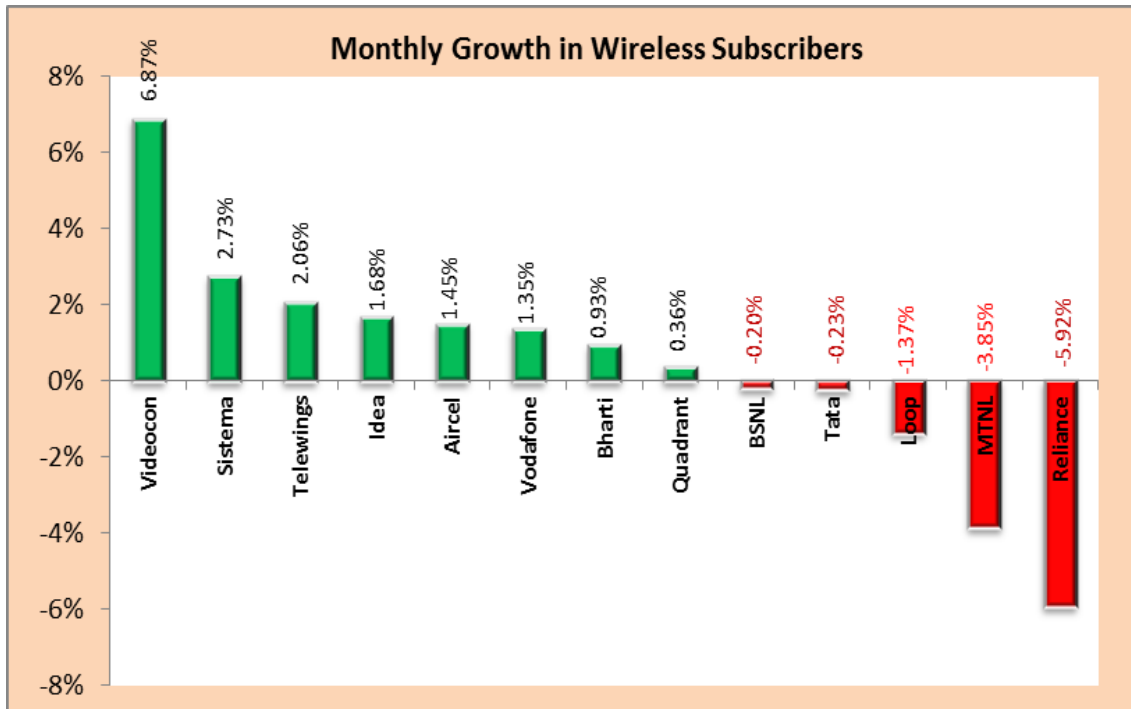


Note : 1. Peak VLR of M/s Idea Cellular is more than its HLR due to more number of inroamers.
 2. Telewings was formerly known as Unitech.

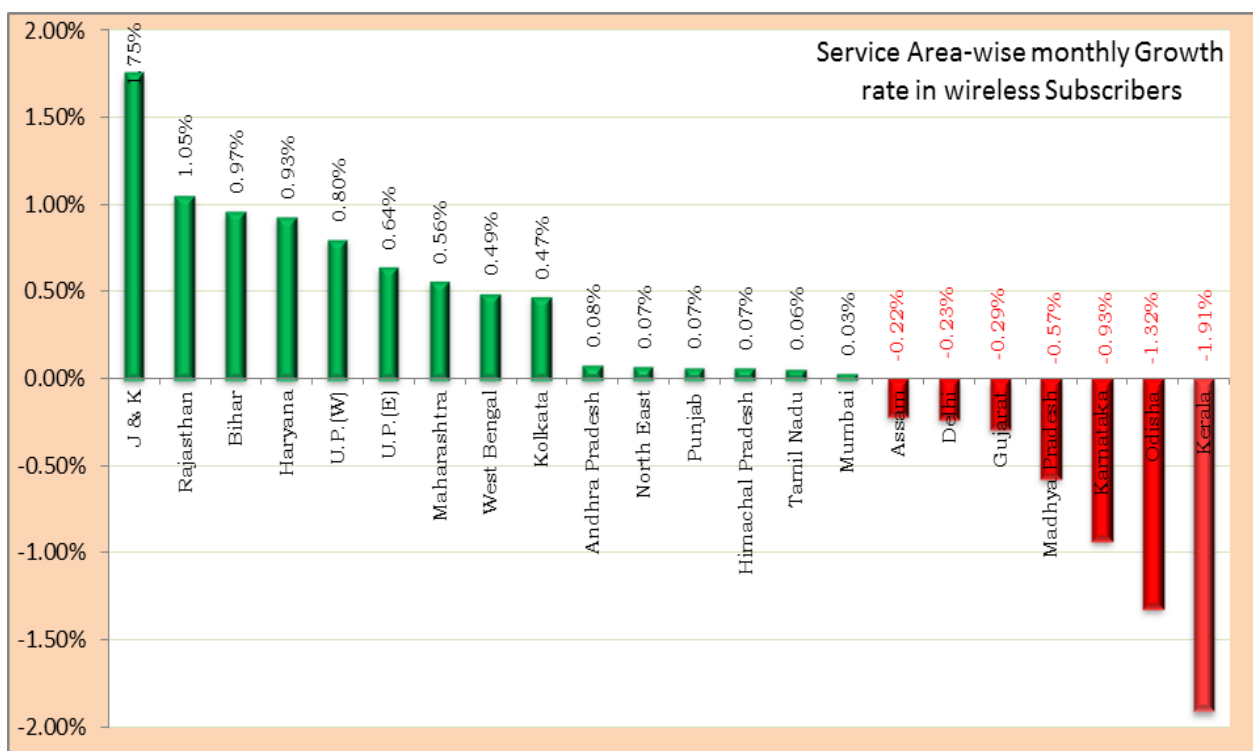
C. Proportion of VLR subscribers (Service Area wise) – March, 2014



D. Service Provider wise monthly growth in total wireless subscribers during March, 2014



Service Area wise monthly growth in total wireless subscribers during March, 2014



IV. Mobile Number Portability

- As per the data reported by the service providers, by the end of March, 2014 about 117.01 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 11.79 million) followed by Gujarat (about 10.03 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 13.37 million) followed by Andhra Pradesh Service area (about 10.79 million).
- In the month of March, 2014, total number of subscribers who have submitted their request for MNP is 2.60 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of March, 2014

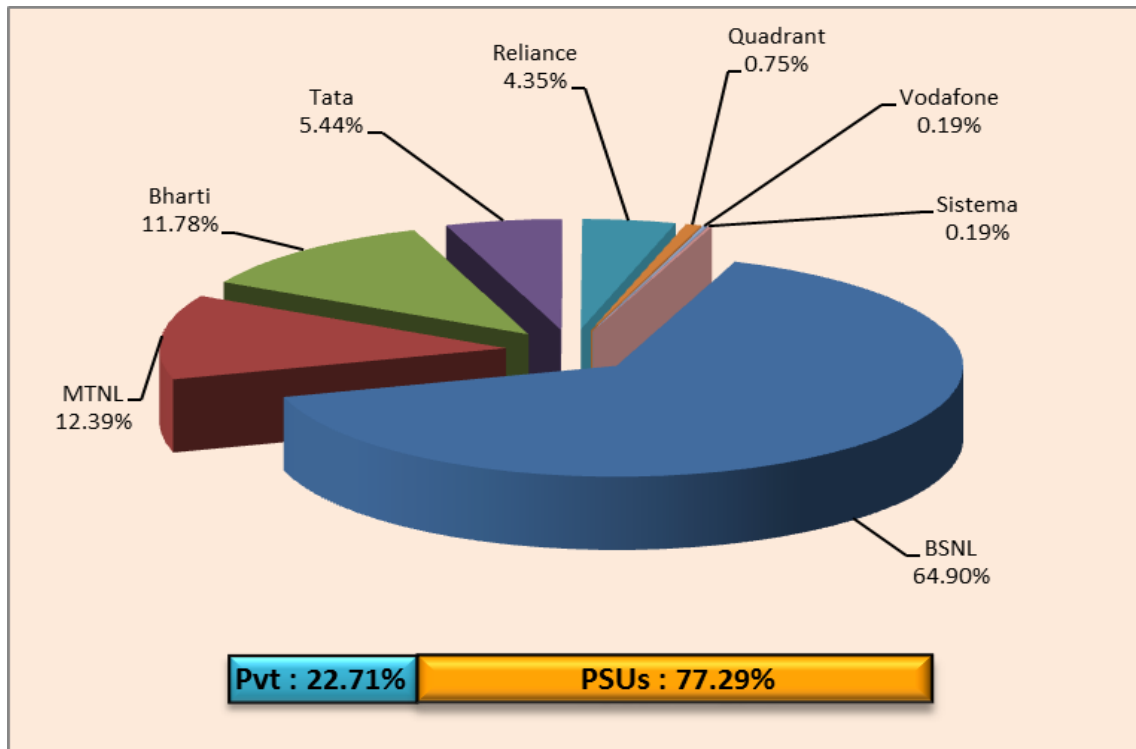
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	4392683	Andhra Pradesh	10785072
Gujarat	10032042	Assam	409815
Himachal Pradesh	403754	Bihar	2716270
Haryana	4390886	Karnataka	13372738
Jammu & Kashmir	21877	Kerala	4517677
Maharashtra	9221335	Kolkata	2590035
Mumbai	4989241	Madhya Pradesh	6667722
Punjab	4020026	North East	204145
Rajasthan	11786925	Orissa	2491314
Uttar Pradesh - East	6442998	Tamil Nadu	6885370
Uttar Pradesh - West	6287974	West Bengal	4383501
Total	61,989,741	Total	55,023,659
Total (Zone-1 + Zone-2)		117,013,400	
Net Addition (in March, 2014)		2,604,632	

v. Wireline Segment

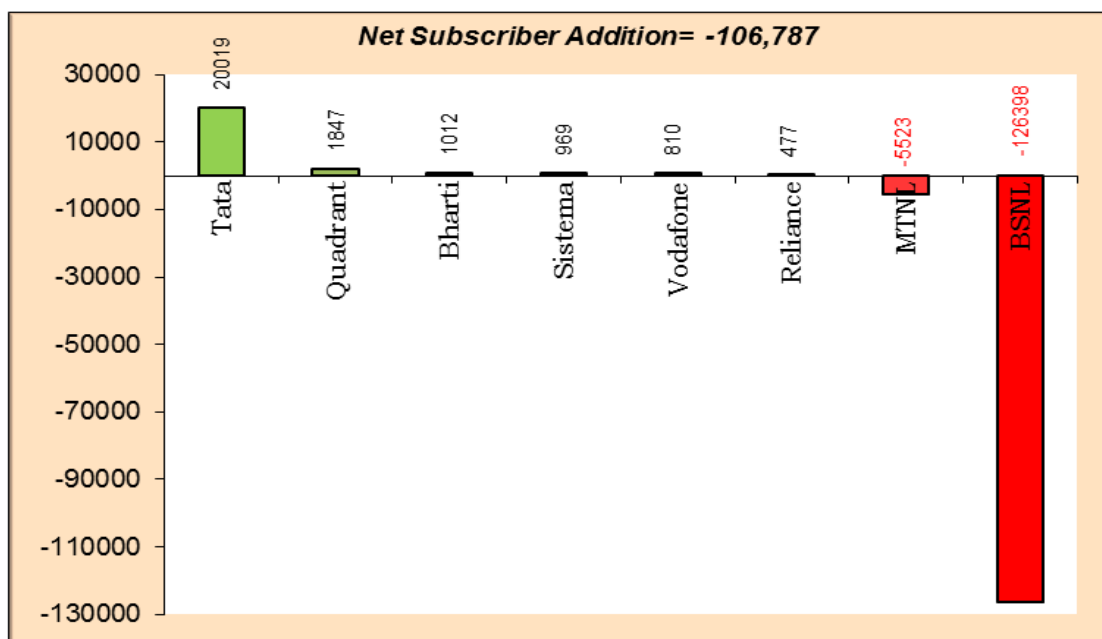
- Wireline subscriber base declined from 28.59 million at the end of February, 2014 to 28.49 Million at the end of March, 2014. Net reduction in wireline subscriber base was 0.11 million at the decline rate of 0.37%. The share of urban subscribers has increased from 78.99% to 79.09% whereas share of rural subscribers has decreased from 21.01% to 20.91%.
- The overall wireline Tele-density has slightly decreased from 2.31 in February, 2014 to 2.30 in March, 2014, with urban and rural Teledensity being 5.91 and 0.69 respectively. BSNL and MTNL, the two PSU operators hold 77.29% of the Wireline market share. Detailed statistics of wireline subscriber base is at Annexure-III.

- The graphical presentation of market share of all service providers as on 31st March, 2014 is given below:

E. Service Provider wise Market Share of wireline subscribers as on 31st March, 2014



F. Wireline Service Provider wise Net addition/decline during March, 2014



Note : M/s Vodafone has informed that they have only Primary Rate Interfaces (PRIs) customer of wireline service.

VI. Category wise Growth

- As can be seen from the following tables, in Wireless segment, the Circles in Category B show the highest net addition (Category A shows reduction in subscriber base) and Circles in Category C show highest rate of monthly growth of subscriber base. In Wireline segment, Circles in Category B show the highest net decline and highest monthly decline rate in subscriber base from February, 2014 to March, 2014.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of March, 2014		Subscriber Base as on 31 st March, 2014	
	Wireline	Wireless	Wireline	Wireless
Circle A	-38671	-160179	11275413	323775476
Circle B	-57430	930064	8485149	359736119
Circle C	-8023	368565	1493366	126458423
Metro	-2663	10850	7231594	94539765
All India	-106,787	1,149,300	28,485,522	904,509,783

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (Feb-14 to Mar-14)		Yearly Rate of Growth (Mar-13 to Mar-14)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.34%	-0.05%	-6.44%	4.52%
Circle B	-0.67%	0.26%	-10.12%	4.62%
Circle C	-0.53%	0.29%	-8.40%	3.56%
Metro	-0.04%	0.01%	1.97%	2.69%
All India	-0.37%	0.13%	-5.72%	4.23%

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

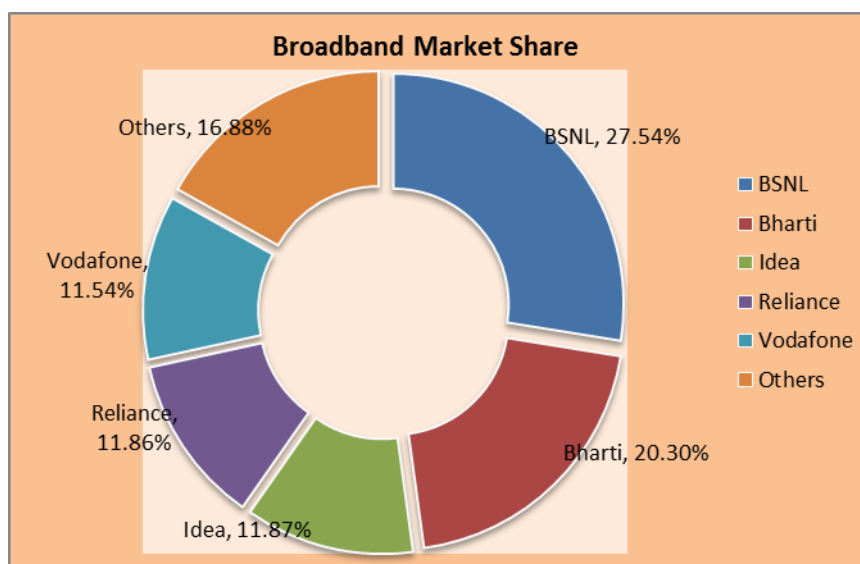
VII. Broadband (\geq 512 Kbps download)

- As per the reports received from the Broadband service providers, number of broadband subscribers increased from 58.00 Million at the end of Feb-14 to 60.87 million at the end of Mar-14 with monthly growth rate of 4.95%. Segment wise broadband subscriber base are as below :

Sl. No.	Segment	Broadband subscribers (in million)		% Change
		Feb-14	Mar-14	
01	Wired Subscribers	14.80	14.86	0.41
02	Mobile devices users (Phones + Dongles)	42.81	45.61	6.54
03	Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.39	0.40	2.56
	Total	58.00	60.87	4.95

- Top five broadband service providers constitute 83.12% market share of total broadband subscribers at the end of Mar-14. They are BSNL (16.76 million), Bharti (12.36 million), Idea (7.23 million), Reliance (7.22 million) and Vodafone (7.02 million).

G. Broadband (wired+wireless) Market Share



- Top five Wired Broadband Service providers are BSNL (10.00 million), Bharti (1.38 million), MTNL (1.13 million), YOU Broadband (0.38 million) and Beam Telecom (0.38 million).
- Top five Wireless Broadband Service providers are Bharti (10.98 million), Idea (7.23 million), Reliance (7.11 million), Vodafone (7.02 million) and BSNL (6.77 Million).

Contact details in case of any clarification:

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Authorised to issue:

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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		BSNL	
	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14
Andhra Pradesh	19860094	19996431	5934278	5532365	6245002	6308455	6513274	6421740	12243359	12340487	1952623	2010488	9874701	9919531
Assam	4465411	4533314	2506992	2278177	2775750	2825144			581321	605830	3721951	3754874	1260013	1280869
Bihar	21763729	22105299	9358766	9053532	7175237	7261299	2826191	2782047	6509481	6749494	5217201	5284236	3204149	3246007
Delhi	10121311	10196185	7874409	7676987	9177616	9186316	2902040	2915649	5509452	5552984	3772898	3837083		
Gujarat	7347645	7403781	6621817	6197612	17279400	17224139	2898392	2960292	9201396	9328695	30773	28563	4305298	4137901
Haryana	2400124	2435772	2201207	2165161	4870877	4973304	2603943	2575701	4181889	4256538	11092	11092	3297559	3331626
Himachal Pradesh	2178791	2205078	1498729	1440381	528293	537630	127257	124479	528530	549461	818410	829083	1434847	1433602
J & K	2601670	2650148	739791	770669	742356	768205			333756	358893	2131409	2119328	1252505	1271143
Karnataka	17145737	17156115	6330215	5678121	7165892	7217081	5878428	5828741	6731225	6761110	2545059	2539899	7282853	7350172
Kerala	3720587	3736971	2202839	1962799	6638302	6660168	1673909	1683615	8696784	8726254	1048	918	8397091	7951150
Kolkata	3873533	3889640	3878480	3694340	4584688	4687679	2898424	2908959	1340199	1356808	2870033	2992857	863071	860703
Madhya Pradesh	10594665	10656657	12587968	11579733	4806604	4923396	4049803	4086321	17115547	17416844	22694	22694	5010370	4948640
Maharashtra	10588835	10678689	7404501	7085315	15216988	15519814	6269929	6326316	18613910	18934049	1436777	1452847	6573799	6583446
Mumbai	4416209	4447852	6139827	6081151	7481149	7521328	3473828	3472162	3405043	3391442	1967226	2009671		
North East	3084924	3124047	979632	869231	1163248	1177134			351946	367005	2342606	2351888	1481766	1521837
Orissa	7763504	7911114	4244158	3587126	3363070	3431482	2046417	2085024	1143671	1153283	3572841	3623866	3327570	3333678
Punjab	7534302	7548696	3007491	2875082	4671708	4712107	2434569	2431969	5882418	5916744	894132	917796	4591834	4629083
Rajasthan	15751430	15893169	5982506	5833537	9755453	10018392	2092834	2045889	5966399	6062139	4481295	4606045	6017746	6054920
Tamil Nadu (incl. Chennai)	14438704	14542201	6133004	5650487	13041288	13132243	5484690	5490795	2714421	2799139	22509816	22705354	9781021	9828051
U.P.(E)	16510244	16832395	8751683	8164966	15293421	15693822	4153417	4095361	7887937	8100053	5139537	5187672	10394725	10436240
U.P.(W)	6882021	6978121	6009058	5671206	9754386	9872358	3610181	3591361	11610099	11881831	109150	109150	4427574	4480281
West Bengal	10452463	10467228	7487669	7045183	12613442	12909490	1209942	1173311	3001645	3179103	3598434	3756304	2056444	2050565
Total	203495933	205388903	117875020	110893161	164344170	166560986	63147468	62999732	133550428	135788186	69147005	70151708	94834936	94649445
Net Addition		1892970		-6981859		2216816		-147736		2237758		1004703		-185491

Wireless Subscriber Base

Annexure-I

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Circle	Group												Total		Net Add.
	MTNL		Telewings		Sistema		Loop		Videocon		Quadrant		Feb-14	Mar-14	
	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14			
Andhra Pradesh			4470068	4620648									67093399	67150145	56746
Assam													15311438	15278208	-33230
Bihar			4941969	5103486									60996723	61585400	588677
Delhi	2453375	2307731			872472	911914							42683573	42584849	-98724
Gujarat			5286034	5450402	160967	167580			1564526	1638484			54696248	54537449	-158799
Haryana									1488758	1502201			21055449	21251395	195946
Himachal Pradesh													7114857	7119714	4857
J & K													7801487	7938386	136899
Karnataka					1751627	1788524							54831036	54319763	-511273
Kerala					394851	398397							31725411	31120272	-605139
Kolkata					663182	679438							20971610	21070424	98814
Madhya Pradesh									1613608	1846634			55801259	55480919	-320340
Maharashtra			6084473	6013176									72189212	72593652	404440
Mumbai	1053875	1064605					2936575	2896281					30873732	30884492	10760
North East													9404122	9411142	7020
Orissa													25461231	25125573	-335658
Punjab											2170557	2178306	31187011	31209783	22772
Rajasthan					2048469	2131379							52096132	52645470	549338
Tamil Nadu (incl. Chennai)					1022816	1026197							75125760	75174467	48707
U.P.(E)			8358994	8470515									76489958	76981024	491066
U.P.(W)			5745720	5948152	219600	223779							48367789	48756239	388450
West Bengal					1663007	1709833							42083046	42291017	207971
Total	3507250	3372336	34887258	35606379	8796991	9037041	2936575	2896281	4666892	4987319	2170557	2178306	903360483	904509783	1149300
Net Addition		-134914		719121		240050		-40294		320427		7749		1149300	

Proportion of VLR on the date of Peak VLR in the month of Mar-14 (%)

Annexure-II

Circle	Aircel	Bharti	BSNL	Quadrant	Idea*	Loop	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	56.71	98.44	64.55		100.71			99.82		73.63	70.37		89.67	87.58
Assam	85.94	97.38	80.47		91.73			99.79					95.72	92.98
Bihar	68.48	97.22	63.69		108.73			99.74		51.67	78.61		98.25	91.14
Delhi	62.53	81.94			99.32		57.44	99.85	48.71	62.41			95.82	85.30
Gujarat	42.49	94.81	66.34		101.26			99.84	82.30	66.70	72.13	57.13	93.97	89.07
Haryana	3.61	96.47	49.38		98.48			99.74		70.26		53.74	95.69	83.40
Himachal Pradesh	55.21	95.55	77.07		115.07			98.56		46.00			99.56	88.69
J & K	85.13	96.81	68.06		90.96			67.36					87.65	85.08
Karnataka	56.79	98.70	54.40		101.63			99.69	67.15	78.11			92.13	87.09
Kerala	104.25	97.79	68.66		99.68			99.70	63.98	71.34			92.73	88.05
Kolkata	71.93	95.30	86.81		93.96			99.69	96.80	70.03			92.95	88.35
Madhya Pradesh	4.86	97.34	60.21		104.65			99.68		73.99		56.77	89.03	92.97
Maharashtra	66.69	98.52	73.47		102.17			99.83		74.64	74.20		98.43	92.58
Mumbai	58.34	91.23			92.82	49.06	79.16	99.75		67.38			85.75	82.56
North East	77.24	97.11	66.27		88.62			99.72					89.11	86.07
Orissa	58.99	97.60	84.41		91.16			99.77		71.27			88.88	86.92
Punjab	47.88	94.32	52.97	54.85	98.39			99.71		63.79			94.77	83.02
Rajasthan	67.43	95.54	45.51		106.57			99.82	58.30	82.43			98.09	87.54
Tamil Nadu (incl. Chennai)	62.03	96.60	47.45		84.30			96.62	67.35	62.96			94.14	75.99
U.P. (E)	70.72	95.07	45.08		104.99			99.73		60.27	77.70		100.32	85.50
U.P. (W)	22.45	90.88	53.43		101.89			99.74	58.61	62.87	80.43		102.74	89.92
West Bengal	77.54	97.48	82.17		101.99			99.75	75.73	48.64			98.90	93.88
Total	66.41	95.86	59.55	54.85	101.53	49.06	64.30	99.36	67.00	68.54	75.89	55.98	95.55	87.44

*Peak VLR in some circles of M/s Idea Cellular, Kerala circle of M/s Aircel and UP(E) & UP(W) circles of Vodafone are more than their HLR due to more number of inroamers.

Wireline Subscriber Base																	Annexure-III	
Circle	Group																Total	
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone		Feb-14	Mar-14
	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14	Feb-14	Mar-14		
Andhra Pradesh	1663434	1657496			125181	124186	87544	87540	167215	167433					7,650	7,650	2051024	2044305
Assam	184782	182904													1,050	1,080	185832	183984
Bihar	362156	363665					5906	5967	11446	11509					390	450	379898	381591
Delhi			1600496	1601739	1191721	1193992	184321	184416	105217	107129					16,500	16,710	3098255	3103986
Gujarat	1462894	1459828			57017	57703	95133	94892	74654	76052					1,440	1,590	1691138	1690065
Haryana	455,051	452,043			16491	16467	5787	5787	25165	25551					60	60	502554	499908
Himachal Pradesh	248,169	246,352					4856	4856	2371	2536							255396	253744
J & K	187,371	186,655															187371	186655
Karnataka	1548913	1535931			493786	494606	118471	119169	159288	163213					5,040	5,160	2325498	2318079
Kerala	2788555	2773148			49127	48687	51543	51375	12234	12732							2901459	2885942
Kolkata	851154	847254			104889	104448	82001	82177	40754	41306					1770	1770	1080568	1076955
Madhya Pradesh	828702	833717			226352	226758	24297	24188	18034	18695					180	180	1097565	1103538
Maharashtra	1893703	1882033			68761	70273	97935	97569	252924	255854					4,050	4,050	2317373	2309779
Mumbai			1933779	1927013	357515	355503	234893	235151	520187	523926					9,060	9,060	3055434	3050653
North East	142,319	139,877													60	60	142379	139937
Orissa	339155	335875					3814	3835	7124	7295					420	450	350513	347455
Punjab	892765	876585			91839	92139	23115	22923	17382	17535	210702	212549			360	360	1236163	1222091
Rajasthan	810882	798265			37407	37588	23272	23208	8180	8687			54244	55213	1,290	1,350	935275	924311
Tamil Nadu (incl.	2235017	2218136			462228	460716	147208	147313	80338	82640					4260	4380	2929051	2913185
U.P.(E)	705080	693951			51624	51754	40823	40976	14395	14621					690	690	812612	801992
U.P.(W)	510420	504292			21191	21321	6160	6183	8844	9150					270	270	546885	541216
West Bengal	504023	500140					2166	2197	3877	3784						30	510066	506151
Total	18614545	18488147	3534275	3528752	3355129	3356141	1239245	1239722	1529629	1549648	210702	212549	54244	55213	54540	55350	28592309	28485522
Net Addition		-126398		-5523		1012		477		20019		1847		969		810		-106787

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.
