

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 7th July, 2014
(www.trai.gov.in)

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

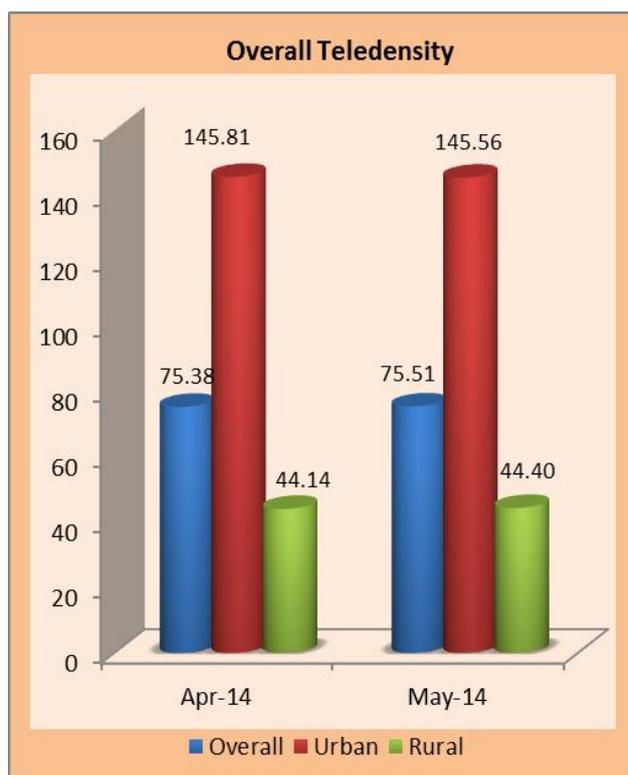
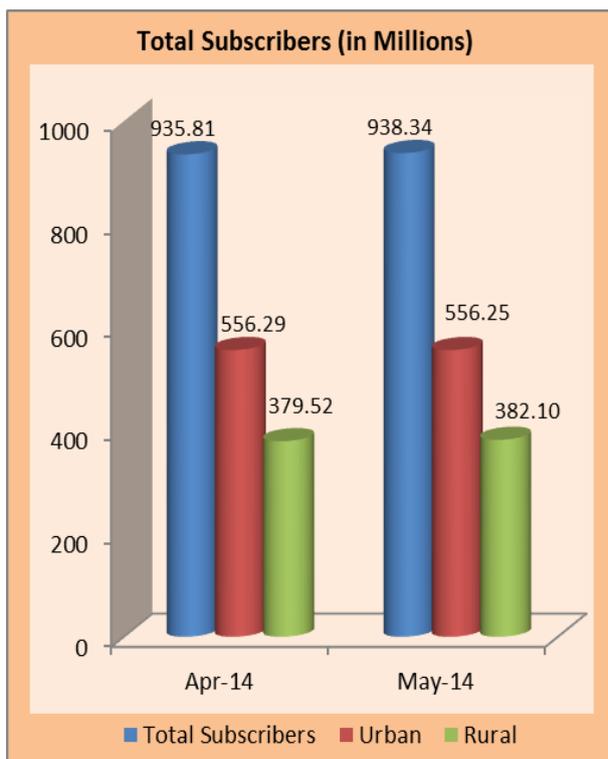
Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	910.16	28.18	938.34
Total Monthly Net Addition (Million)	2.71	-0.18	2.54
Monthly Growth	0.30%	-0.62%	0.27%
Urban Subscribers (Million)	533.94	22.31	556.25
Urban Subscribers Monthly Net Addition (Million)	0.07	-0.11	-0.04
Monthly Growth	0.01%	-0.49%	-0.01%
Rural Subscribers (Million)	376.22	5.87	382.10
Rural Subscribers Monthly Net Addition (Million)	2.64	-0.07	2.58
Monthly Growth	0.71%	-1.14%	0.68%
Overall Teledensity*	73.24	2.27	75.51
Urban Teledensity*	139.72	5.84	145.56
Rural Teledensity*	43.72	0.68	44.40
Share of Urban Subscribers	58.66%	79.16%	59.28%
Share of Rural Subscribers	41.34%	20.84%	40.72%
No. of Broadband Subscribers (Million)	50.38	14.95	65.33

- ❖ Mobile Number Portability requests increased from 119.24 million subscribers at the end of April, 2014 to 121.47 million at the end of May, 2014. In the month of May, 2014 alone 2.23 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in May, 2014 are 790.52 million, 86.86% of the total subscribers.

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

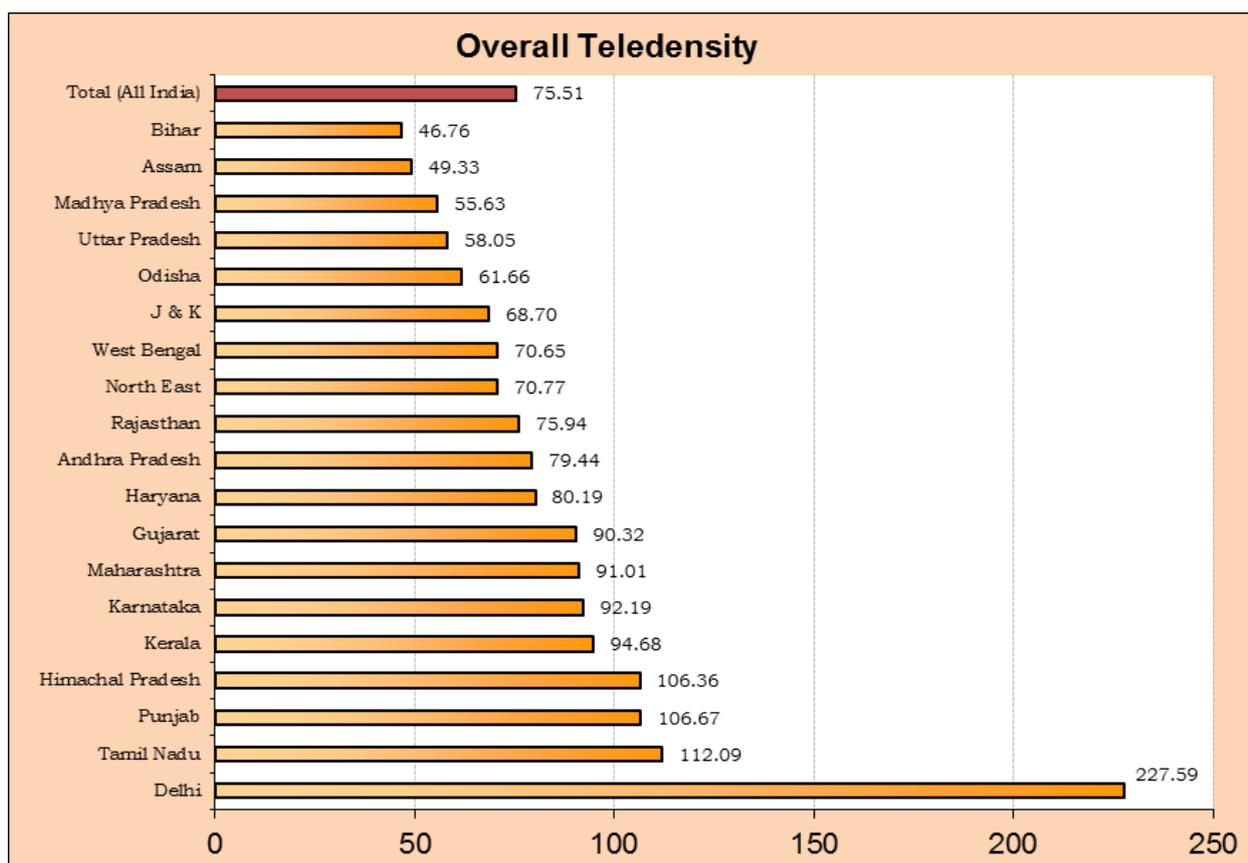
I. Total Telephone Subscribers

• The number of telephone subscribers in India increased from 935.81 million at the end of April, 2014 to 938.34 million at the end of May, 2014, thereby showing a monthly growth of 0.27%. The share of urban subscribers has declined from 59.44% to 59.28% whereas share of rural subscribers has increased from 40.56% to 40.72% in the month of May, 2014. The overall Tele-density in India increased from 75.38 at the end of April, 2014 to 75.51 at the end of May, 2014.



• Telephone Subscription in the urban areas slightly decreased from 556.29 million at the end of April, 2014 to 556.25 million at the end of May, 2014 whereas subscription in rural areas increased from 379.52 million to 382.10 million during the same period. The monthly growth rate of urban and rural subscription is -0.01% and 0.68% respectively. The overall urban Tele-density has decreased from 145.81 to 145.56 whereas Rural Tele-density increased from 44.14 to 44.40 in this month.

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

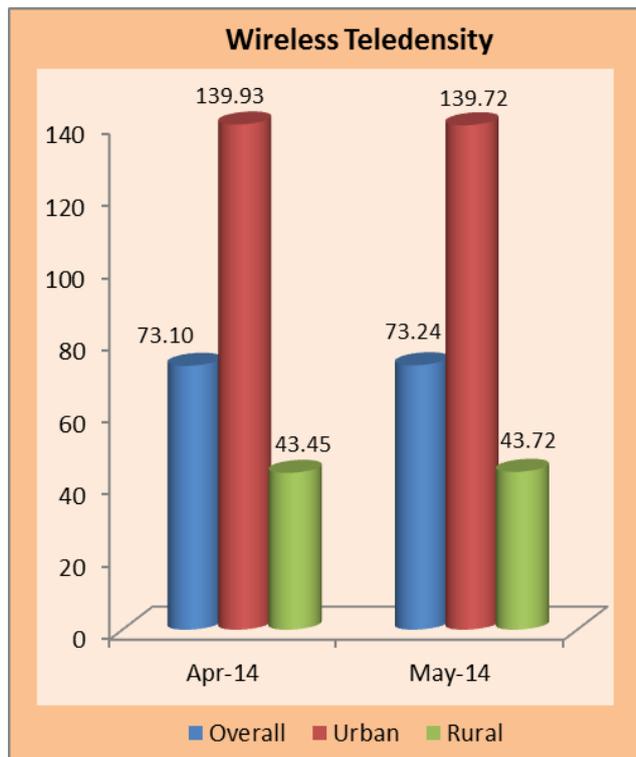
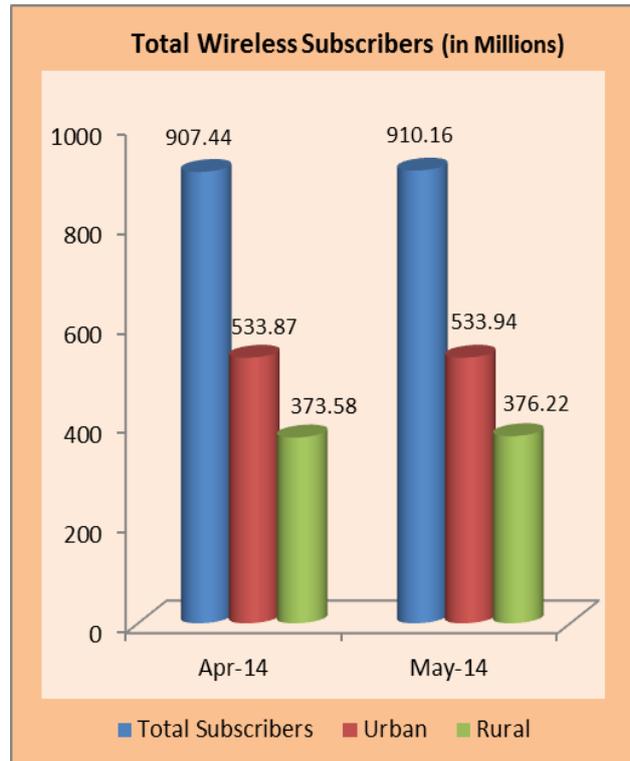


Notes:

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)

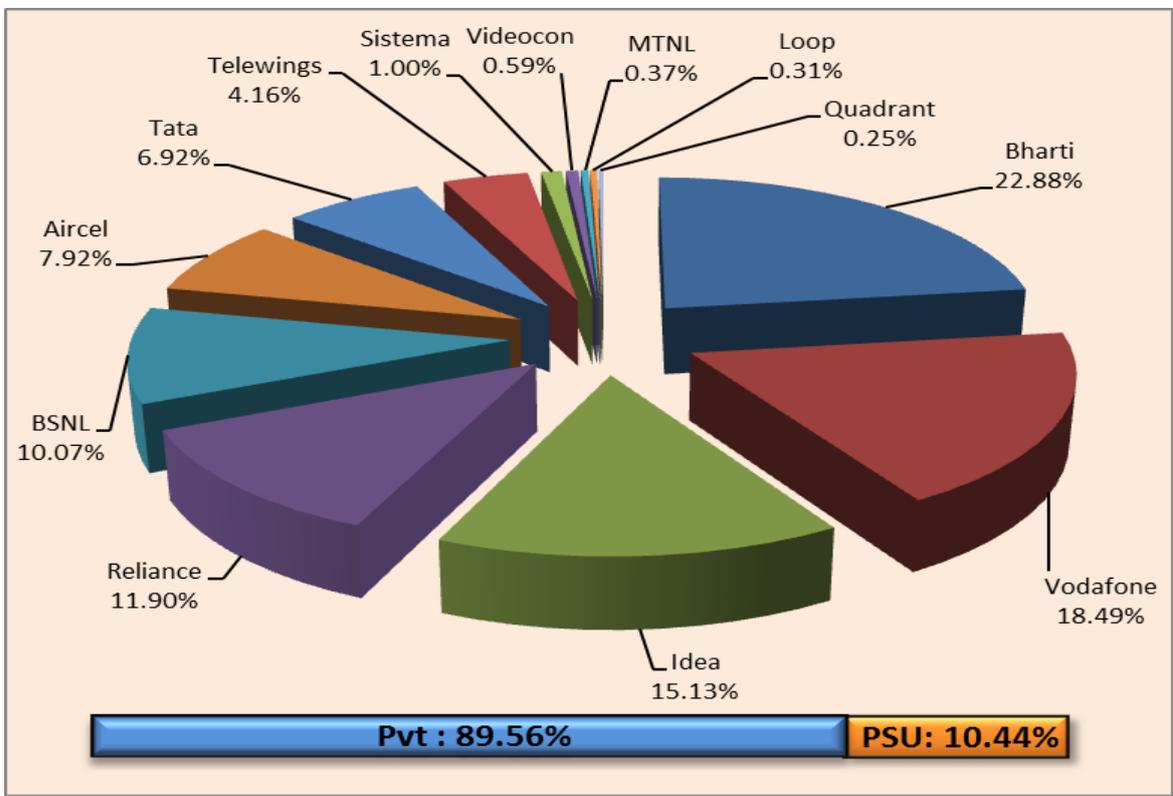
- Total wireless subscriber base increased from 907.44 million at the end of April, 2014 to 910.16 million at the end of May, 2014, registering a monthly growth of 0.30%. The share of urban wireless subscribers has declined from 58.83% to 58.66% whereas share of rural wireless subscribers has increased from 41.17% to 41.34%. The overall wireless Tele-density in India has increased from 73.10 at the end of April, 2014 to 73.24 at the end of May, 2014.



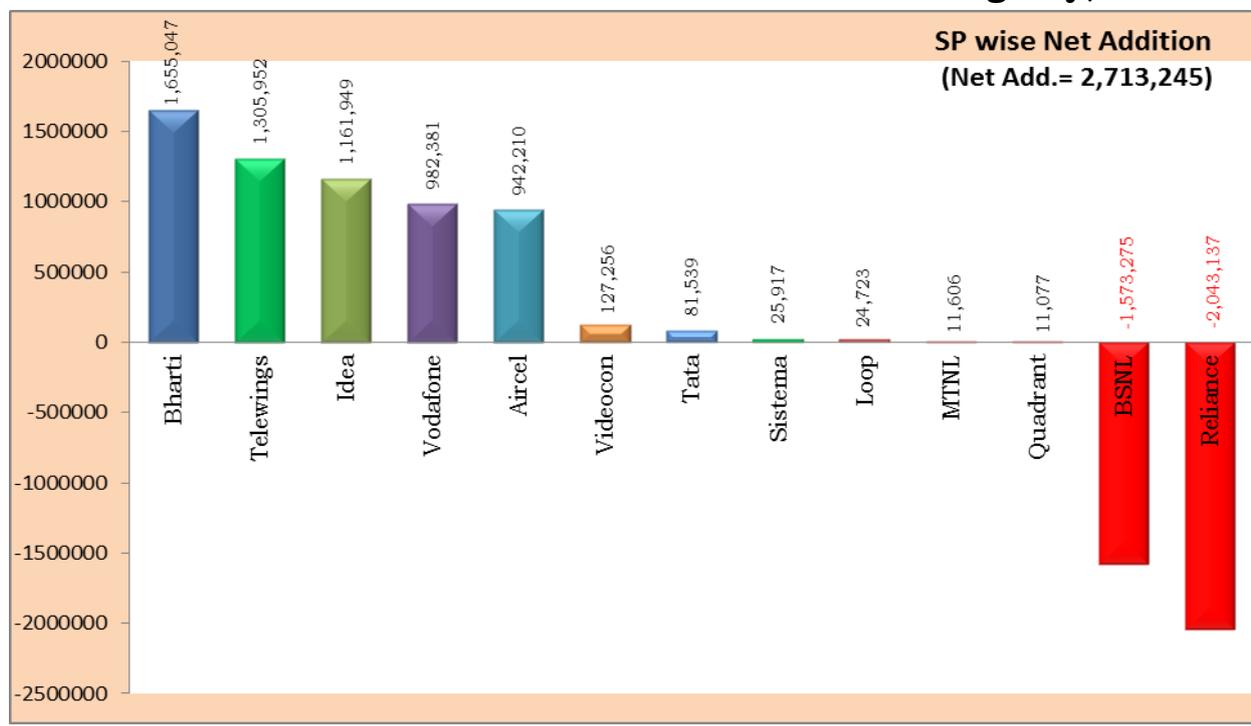
- Wireless subscription in urban areas increased from 533.83 million at the end of April, 2014 to 533.94 million at the end of May, 2014. The wireless subscription in rural areas increased from 373.58 million to 376.22 million during the same period. The urban wireless Tele-density slightly decreased from 139.93 to 139.72 whereas rural Tele-density increased from 43.45 to 43.72. Detailed statistics of wireless subscriber base is available at Annexure-I.

- Private operators hold 89.56% of the wireless subscriber market share where as BSNL and MTNL, the two PSU operators hold only 10.44% market share. The graphical representations of market shares and shares in net additions of all the service providers during the month of May, 2014 are given below:

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



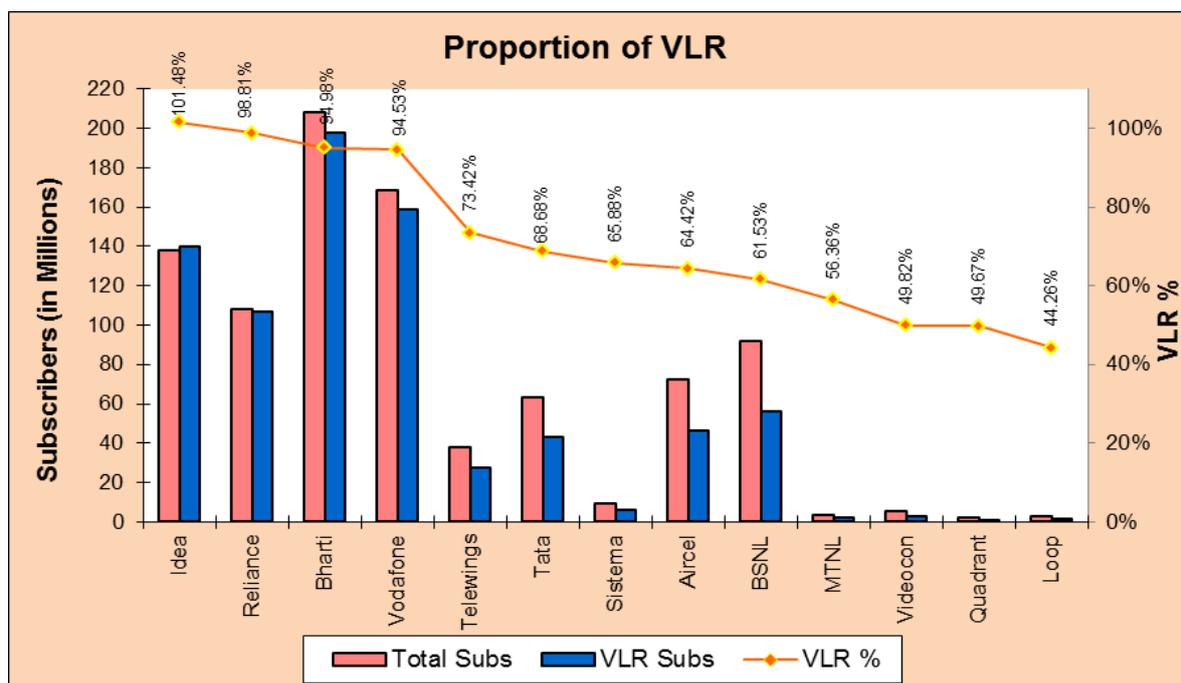
B. Service Provider wise net subscriber addition during May, 2014



III. VLR Data

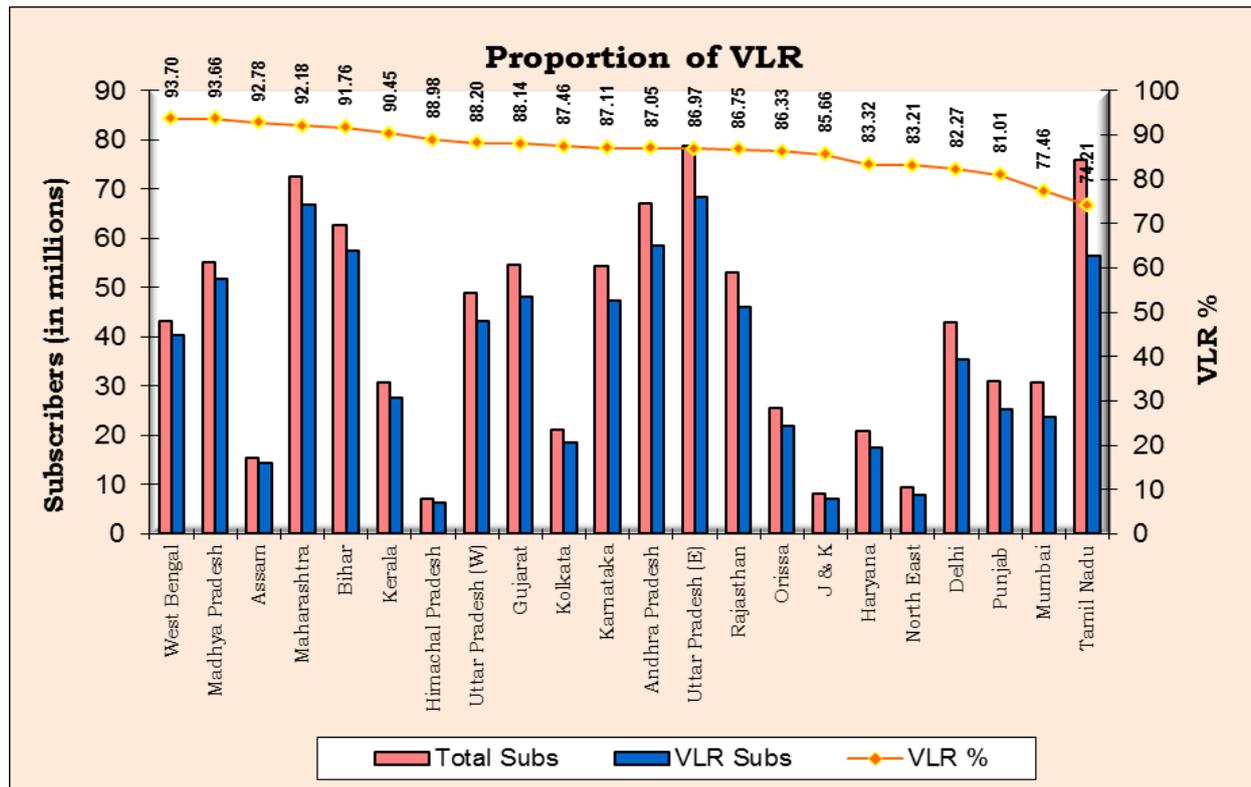
- Out of the total 910.16 million wireless subscribers, 790.52 million were active on the date of Peak VLR for the month of May, 2014. The proportion of VLR subscribers is approximately 86.86% of the total wireless subscriber base reported by the service providers.
- Service Provider wise, Idea leads the tally with 101.48% (>100% due to more number of inroamers) followed by Reliance (98.81%) and Bharti (94.98%). Loop has the lowest proportion of VLR with 44.26%. Circle-wise, West Bengal has the highest proportion of VLR subscribers with 93.70% followed by Madhya Pradesh (93.66%) and Assam (92.78%). Tamil Nadu (incl. Chennai) has the lowest VLR proportion with 74.21%.
- 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) – May, 2014

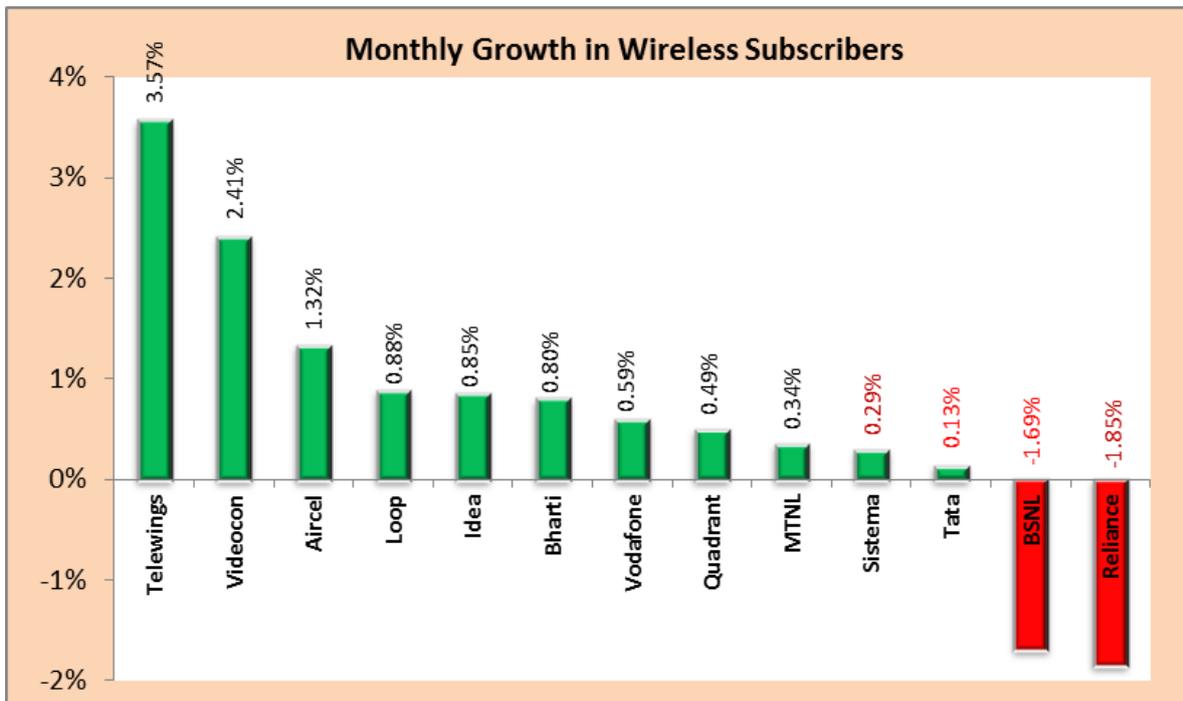


Note : 1. Peak VLR of M/s Idea Cellular is more than its HLR due to more number of inroamers.
 2. Telewings was formerly known as Unitech.

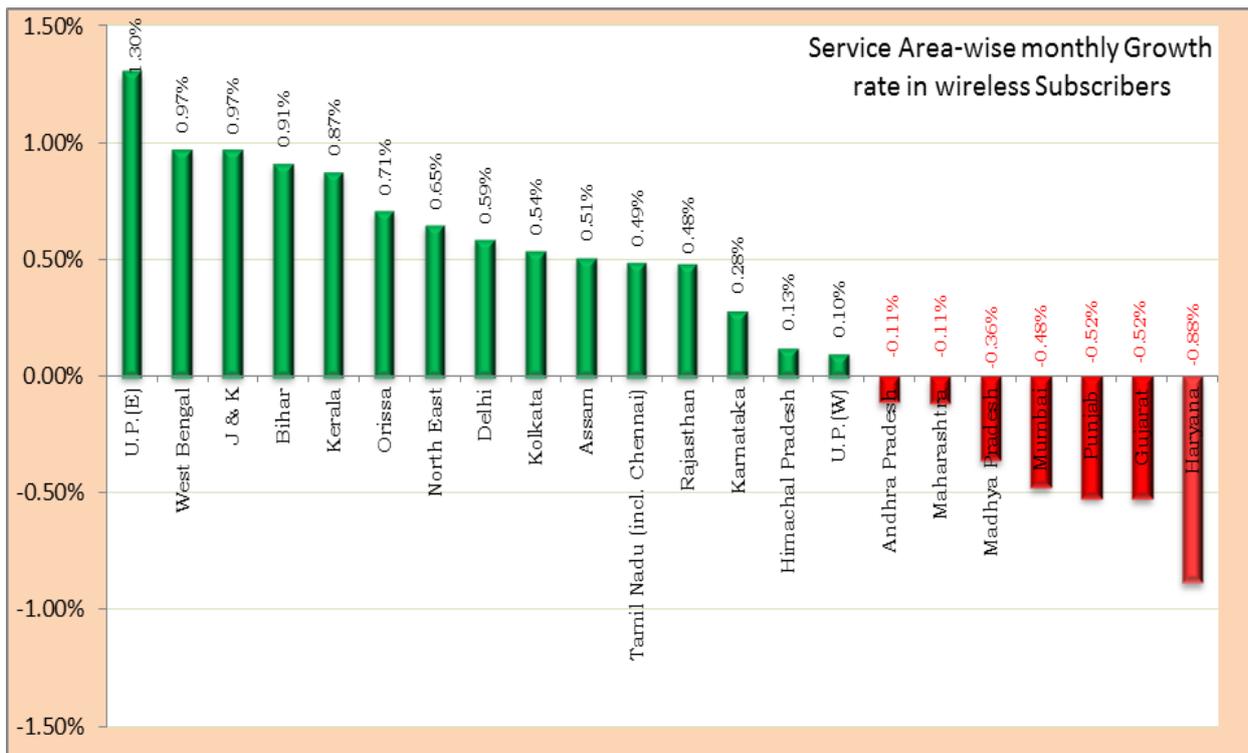
C. Proportion of VLR subscribers (Service Area wise) – May, 2014



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



E. Service Area wise monthly growth in total wireless subscribers during May, 2014



IV. Mobile Number Portability

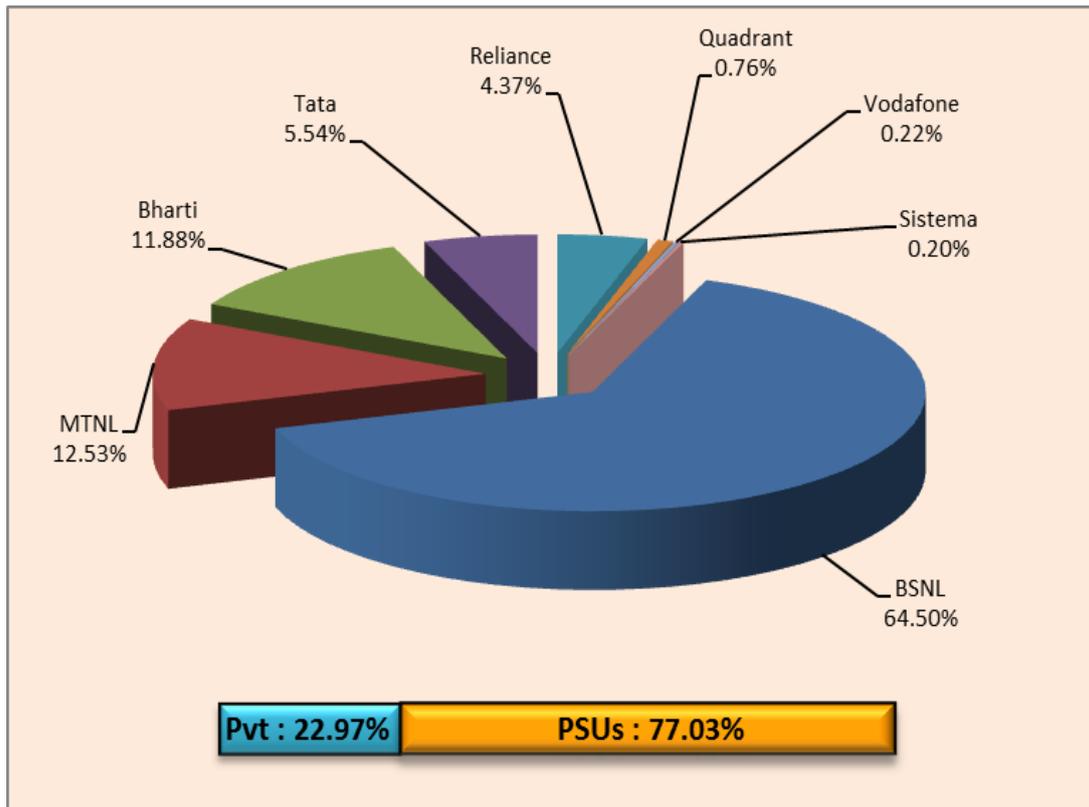
- As per the data reported by the service providers, by the end of May, 2014 about 121.47 million subscribers have submitted their requests to different service providers for porting their mobile number.
- In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (about 12.23 million) followed by Gujarat (about 10.35 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 13.77 million) followed by Andhra Pradesh Service area (about 11.28 million).
- In the month of May, 2014, total number of subscribers who have submitted their request for MNP is 2.23 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of May, 2014			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	4617475	Andhra Pradesh	11276351
Gujarat	10348070	Assam	420759
Himachal Pradesh	417900	Bihar	2824066
Haryana	4568057	Karnataka	13771341
Jammu & Kashmir	23298	Kerala	4647838
Maharashtra	9504988	Kolkata	2723137
Mumbai	5361530	Madhya Pradesh	6892504
Punjab	4193188	North East	215581
Rajasthan	12229062	Orissa	2578341
Uttar Pradesh - East	6600203	Tamil Nadu	7227486
Uttar Pradesh - West	6433716	West Bengal	4597741
Total	64,297,487	Total	57,175,145
Total (Zone-1 + Zone-2)			121,472,632
Net Addition (in May, 2014)			2,232,901

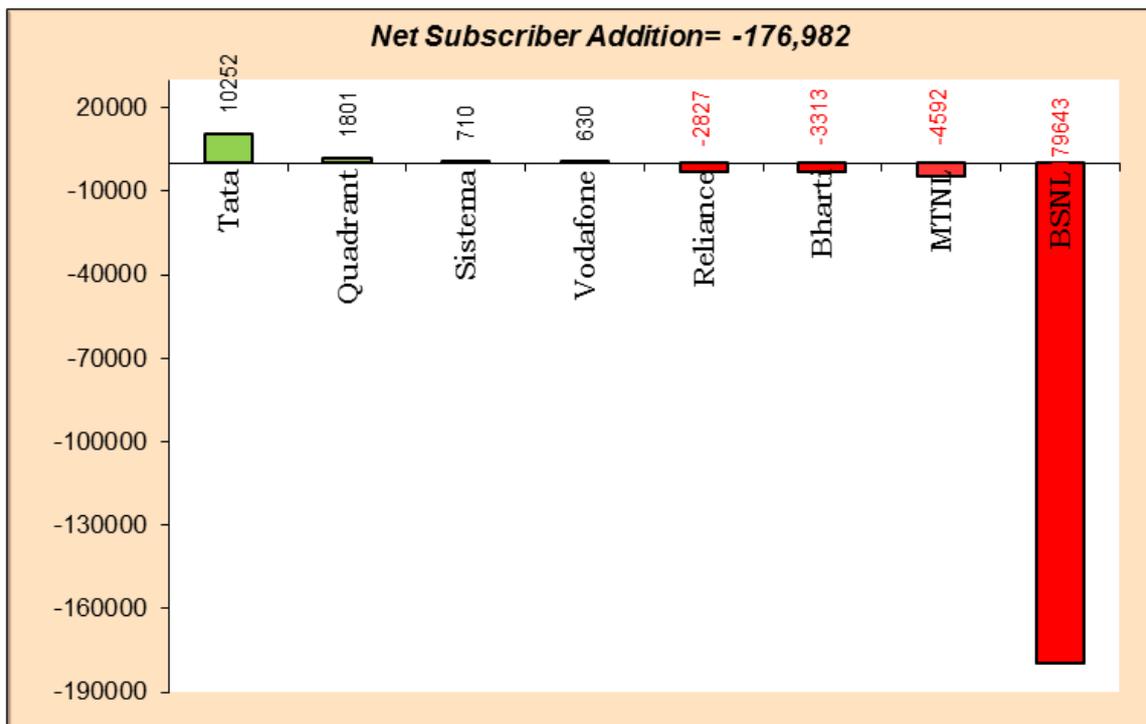
v. Wireline Segment

- Wireline subscriber base declined from 28.36 million at the end of April, 2014 to 28.18 Million at the end of May, 2014. Net reduction in wireline subscriber base was 0.18 million at the decline rate of 0.62%. The share of urban subscribers has increased from 79.05% to 79.16% whereas share of rural subscribers has decreased from 20.95% to 20.84%.
- The overall wireline Tele-density has slightly decreased from 2.28 in April, 2014 to 2.27 in May, 2014, with urban and rural Teledensity being 5.84 and 0.68 respectively. BSNL and MTNL, the two PSU operators hold 77.03% 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 May, 2014 is given below:

F. Service Provider wise Market Share of wireline subscribers as on 31st May, 2014



G. Wireline Service Provider wise Net addition/decline during May, 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 whereas Circles in Category-C show the highest rate of monthly growth of subscriber base. In Wireline segment, Circles in Category-A show the highest net decline whereas Circles in Category-B show highest monthly decline rate in subscriber base during the month of May, 2014.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of May, 2014		Subscriber Base as on 31 st May, 2014	
	Wireline	Wireless	Wireline	Wireless
Circle A	-82479	76958	11135557	324559946
Circle B	-72066	1448848	8346013	362115469
Circle C	-10239	972202	1477724	128505053
Metro	-12198	215237	7225147	94977507
All India	-176,982	2,713,245	28,184,441	910,157,975

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (%) (Apr-14 to May-14)		Yearly Rate of Growth (%) (May-13 to May-14)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.74	0.02	-6.26	4.94
Circle B	-0.86	0.40	-9.64	4.16
Circle C	-0.69	0.76	-7.00	5.59
Metro	-0.17	0.23	1.09	3.75
All India	-0.62	0.30	-5.59	4.59

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

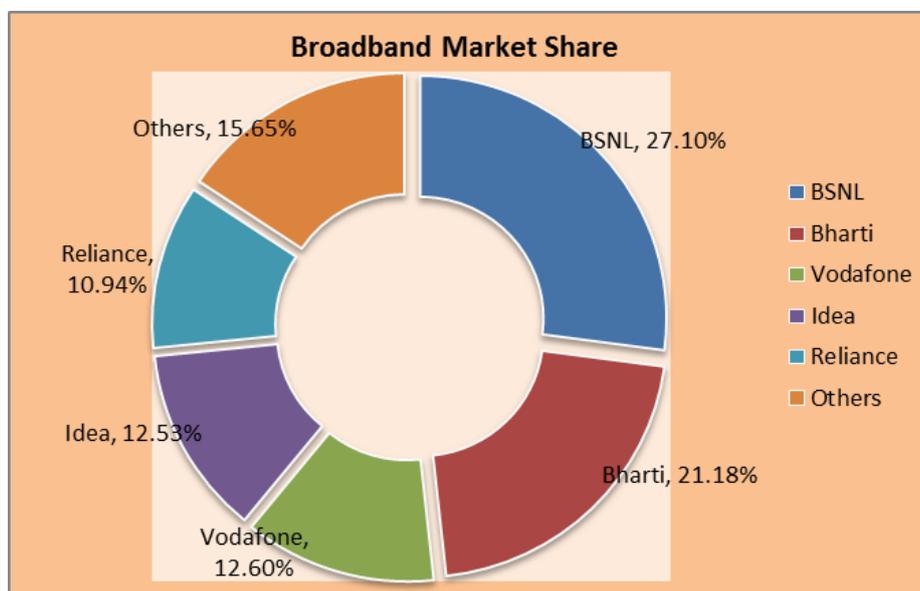
VII. Broadband (\geq 512 Kbps download)

- As per the reports received from the Broadband service providers, number of broadband subscribers increased from 61.74 Million at the end of Apr-14 to 65.33 million at the end of May-14 with monthly growth rate of 5.82%. Segment wise broadband subscriber base are as below :

Sl. No.	Segment	Broadband subscribers (in million)		% Change
		Apr-14	May-14	
01	Wired Subscribers	14.91	14.95	0.25
02	Mobile devices users (Phones + Dongles)	46.42	49.97	7.66
03	Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.41	0.41	0.16
	Total	61.74	65.33	5.82

- Top five broadband service providers constitute 84.35% market share of total broadband subscribers at the end of May-14. They are BSNL (17.70 million), Bharti (13.84 million), Vodafone (8.23 million), Idea (8.19 million) and Reliance Communications Group (7.15 million).

H. Composition of Broadband (wired+wireless) Market Share



- Top five Wired Broadband Service providers are BSNL (9.98 million), Bharti (1.40 million), MTNL (1.13 million), Beam Telecom (0.39 million) and YOU Broadband (0.39 million).
- Top five Wireless Broadband Service providers are Bharti (12.43 million), Vodafone (8.23 million), Idea (8.19 million), BSNL (7.72 million) and Reliance Communications Group (7.04 Million).

Contact details in case of any clarification:

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

Wireless Subscriber Base

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Annexure-I

Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14
Andhra Pradesh	20114404	20191580	5433710	5198803	6258451	6231864	6341294	6264380	12352285	12402841	2017392	2036496	9932015	9930709
Assam	4600514	4648576	2273665	2225856	2847321	2877553			613849	618726	3788583	3825438	1295070	1301538
Bihar	22237165	22474947	9087647	9044356	7324232	7514715	2764522	2700271	6800810	6957890	5329597	5332821	3258402	3196803
Delhi	10271455	10363913	7687007	7741259	9151740	9116041	2906278	2894681	5554138	5519965	3887964	4041036		
Gujarat	7372596	7360092	6148098	5978141	17236757	17330026	2970564	2999174	9427794	9507851	23563	23563	4123434	3440936
Haryana	2441583	2441026	2088488	2037023	4958578	4967074	2553150	2557816	4238127	4222433	4092	4092	3330619	3187919
Himachal Pradesh	2228736	2254692	1453414	1419295	543952	549692	124047	123446	566387	579203	828036	829540	1434854	1432691
J & K	2689238	2736722	809679	784132	803763	818448			379418	390058	2143408	2172823	1283922	1285886
Karnataka	17224290	17369771	5592594	5457751	7174066	7177238	5903709	5982008	6760725	6747703	2601223	2680446	7071493	7092277
Kerala	3730238	3758774	1907966	1980480	6677086	6703910	1689732	1697403	8806031	8905292	918	918	7175488	7197738
Kolkata	3895131	3899398	3645969	3700517	4715623	4746260	2867058	2837490	1358353	1353440	3087676	3153522	856548	847866
Madhya Pradesh	10695374	10773067	11567723	11309609	4860890	4785527	4142805	4228760	17615776	17916003	22694	22694	4523872	4144226
Maharashtra	10590514	10547970	7011067	6853821	15565516	15559751	6322867	6295661	19002739	19070310	1488021	1535463	6536642	6295602
Mumbai	4478975	4457868	6087466	5906333	7575012	7573551	3468062	3460713	3417770	3399044	2038952	2088581		
North East	3154214	3184535	860316	856831	1187803	1188994			366197	365970	2371816	2398938	1540343	1546606
Orissa	8004032	8076393	3574191	3594074	3449771	3463099	2114454	2144770	1125507	1124006	3689522	3721498	3342128	3355277
Punjab	7558255	7543830	2853677	2806666	4725318	4694757	2387886	2395318	5901262	5894623	940802	944878	4661549	4574125
Rajasthan	16004281	16137678	5804324	5720846	10126233	10237676	1994363	1964534	6095882	6169629	4710576	4786602	6035423	6019270
Tamil Nadu (incl. Chennai)	14646630	14767148	5605140	5572484	13218395	13255512	5516477	5553624	2853605	2912166	22895536	23016412	9827685	9854088
U.P.(E)	17037098	17420366	8186026	7837339	15943480	16263373	4108929	4157855	8158364	8379541	5294759	5403834	10433685	10447693
U.P.(W)	7007593	7125815	5662138	5310591	9881548	9936373	3583334	3607474	11915796	11978168	109150	109150	4482404	4429566
West Bengal	10599333	10702535	7038753	6999714	13066723	13283205	1132583	1108275	3247416	3305318	3875841	3963586	2041802	2033287
Total	206581649	208236696	110379058	108335921	167292258	168274639	62892114	62973653	136558231	137720180	71150121	72092331	93187378	91614103
Net Addition		1655047		-2043137		982381		81539		1161949		942210		-1573275

Wireless Subscriber Base

Annexure-I

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Circle	Group												Total		Net Add.
	MTNL		Telewings		Sistema		Loop		Videocon		Quadrant		Apr-14	May-14	
	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14			
Andhra Pradesh			4817489	4935528									67267040	67192201	-74839
Assam													15419002	15497687	78685
Bihar			5242326	5387944									62044701	62609747	565046
Delhi	2310934	2314934			930887	958580							42700403	42950409	250006
Gujarat			5600894	5905502	170195	174007			1759773	1826891			54833668	54546183	-287485
Haryana									1553109	1563614			21167746	20980997	-186749
Himachal Pradesh													7179426	7188559	9133
J & K													8109428	8188069	78641
Karnataka					1802637	1777389							54130737	54284583	153846
Kerala					397683	406409							30385142	30650924	265782
Kolkata					675555	676469							21101913	21214962	113049
Madhya Pradesh									1969864	2019497			55398998	55199383	-199615
Maharashtra			6154705	6430229									72672071	72588807	-83264
Mumbai	1074068	1081674					2819649	2844372					30959954	30812136	-147818
North East													9480689	9541874	61185
Orissa													25299605	25479117	179512
Punjab											2262231	2273308	31290980	31127505	-163475
Rajasthan					2153211	2143466							52924293	53179701	255408
Tamil Nadu (incl. Chennai)					1016004	1016738							75579472	75948172	368700
U.P.(E)			8636828	8903007									77799169	78813008	1013839
U.P.(W)			6123008	6318992	218445	215906							48983416	49032035	48619
West Bengal					1714426	1735996							42716877	43131916	415039
Total	3385002	3396608	36575250	37881202	9079043	9104960	2819649	2844372	5282746	5410002	2262231	2273308	907444730	910157975	2713245
Net Addition		11606		1305952		25917		24723		127256		11077		2713245	

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

Annexure-II

Circle	Aircel	Bharti	BSNL	Quadrant	Idea*	Loop	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	55.85	98.31	64.22		100.58			99.46		72.33	67.54		90.07	87.05
Assam	86.84	97.15	80.23		91.38			98.34					95.27	92.78
Bihar	71.14	98.60	63.98		107.09			99.68		51.67	79.63		97.13	91.76
Delhi	59.01	78.48			96.21		49.24	99.31	47.33	60.19			93.05	82.27
Gujarat	55.11	92.50	78.40		101.52			99.29	78.93	64.52	66.30	47.87	92.96	88.14
Haryana	4.47	95.33	51.00		99.34			99.40		73.47		49.34	93.79	83.32
Himachal Pradesh	58.57	97.12	79.34		108.81			95.74		46.94			97.71	88.98
J & K	85.08	95.96	72.67		90.43			70.20					85.70	85.66
Karnataka	54.92	98.50	56.46		103.12			99.30	65.27	76.92			91.45	87.11
Kerala	127.78	97.83	76.85		100.73			97.54	61.79	70.35			91.97	90.45
Kolkata	70.74	92.95	87.51		93.69			99.29	95.73	69.67			92.51	87.46
Madhya Pradesh	3.36	96.89	70.30		104.07			99.39		71.56		51.97	91.65	93.66
Maharashtra	63.67	97.60	77.54		103.20			99.37		74.32	68.65		97.55	92.18
Mumbai	52.68	84.07			85.37	44.26	71.59	99.34		61.81			80.23	77.46
North East	74.68	94.99	63.37		86.57			92.78					86.71	83.21
Orissa	58.92	96.89	83.73		103.00			97.65		66.38			88.84	86.33
Punjab	48.51	87.86	53.39	49.67	99.03			99.34		65.77			92.85	81.01
Rajasthan	66.57	93.98	45.73		105.13			99.46	59.31	86.09			96.58	86.75
Tamil Nadu (incl. Chennai)	57.41	95.52	47.23		83.91			96.38	66.20	61.43			94.20	74.21
U.P. (E)	69.38	96.08	45.01		108.31			99.49		73.26	77.18		101.86	86.97
U.P. (W)	24.84	90.23	54.25		100.34			99.35	56.73	65.88	78.91		96.69	88.20
West Bengal	76.97	96.79	83.23		101.96			99.19	73.82	51.10			99.00	93.70
Total	64.42	94.98	61.53	49.67	101.48	44.26	56.36	98.81	65.88	68.68	73.42	49.82	94.53	86.86

*Peak VLR in some circles of M/s Idea Cellular, Kerala circle of M/s Aircel and UP(E) circle 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		Apr-14	May-14
	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14	Apr-14	May-14		
Andhra Pradesh	1652001	1635489			122449	122518	87093	86690	167236	167307					7,980	8,040	2036759	2020044
Assam	182709	181751													1,080	1,080	183789	182831
Bihar	364490	363041					5967	5971	11544	11691					450	480	382451	381183
Delhi			1602063	1602463	1193071	1195013	184309	184350	107345	108781					17,640	17,700	3104428	3108307
Gujarat	1445557	1430574			57540	57752	94114	93623	76104	76404					1,500	1,500	1674815	1659853
Haryana	446,825	442,904			16459	16511	5512	5339	25337	26009					60	60	494193	490823
Himachal Pradesh	243,891	241,307					4856	4858	2510	2515							251257	248680
J & K	186,086	184,203															186086	184203
Karnataka	1516657	1499262			494057	494268	119488	119799	163218	166032					5,310	5,340	2298730	2284701
Kerala	2759947	2743889			48478	48374	50861	50522	12842	13161					30	120	2872158	2856066
Kolkata	843226	836859			104842	104326	82231	82252	41506	42087					1770	1830	1073575	1067354
Madhya Pradesh	832739	831258			226307	226283	23752	23524	18713	18811					180	180	1101691	1100056
Maharashtra	1866872	1851794			70061	69938	96843	96271	256165	258265					8,550	8,550	2298491	2284818
Mumbai			1935190	1930198	356199	350897	235349	235570	523364	523461					9,240	9,360	3059342	3049486
North East	139,019	136,832													60	60	139079	136892
Orissa	333904	332724					3595	3394	7352	7367					450	450	345301	343935
Punjab	864667	852169			92063	91920	22447	22179	17530	17345	213323	215124			360	360	1210390	1199097
Rajasthan	789956	781025			37498	37888	22896	22760	8810	8918			55373	56083	1,350	1,410	915883	908084
Tamil Nadu (incl. Chennai)	2216617	2192395			458834	458913	146799	146601	82581	83702					4410	4530	2909241	2886141
U.P.(E)	678253	656902			51674	51810	40529	40211	14796	14962					690	690	785942	764575
U.P.(W)	499418	492648			21090	20898	6350	6303	9217	9534					270	270	536345	529653
West Bengal	495730	491895					1998	1945	3719	3789					30	30	501477	497659
Total	18358564	18178921	3537253	3532661	3350622	3347309	1234989	1232162	1549889	1560141	213323	215124	55373	56083	61410	62040	28361423	28184441
Net Addition		-179643		-4592		-3313		-2827		10252		1801		710		630		-176982

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.
