

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 23rd April, 2014
(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 28th February, 2014**

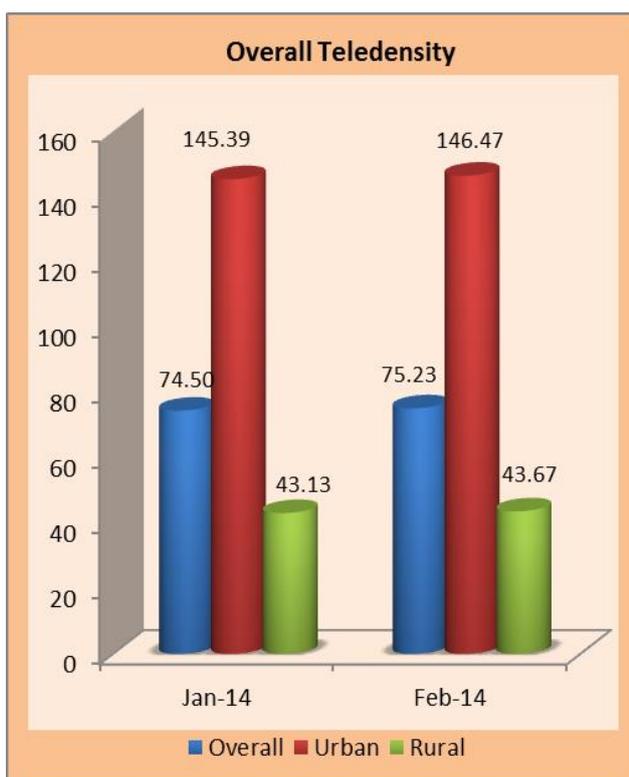
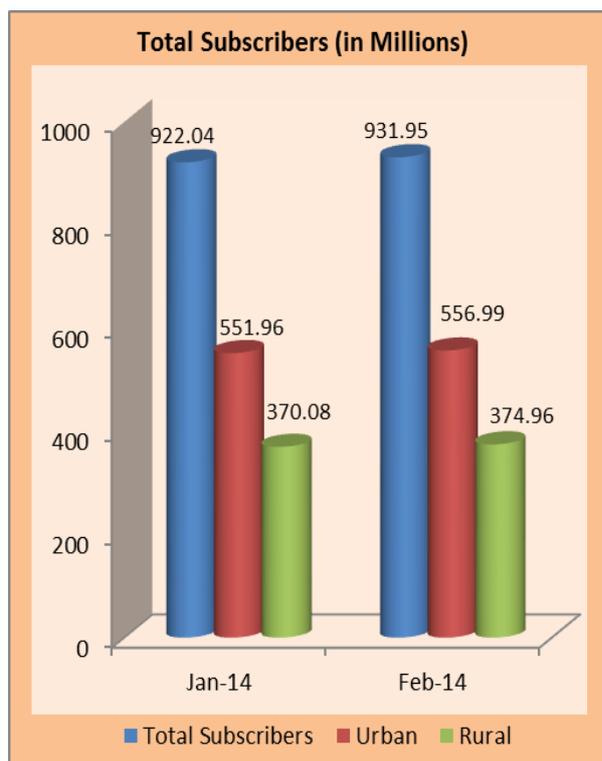
Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Million)	903.36	28.59	931.95
Total Net Monthly Addition (Million)	10.05	-0.13	9.91
Monthly Growth	1.12%	-0.46%	1.08%
Urban Subscribers (Million)	534.40	22.59	556.99
Urban Subscribers Net Monthly Addition (Million)	5.10	-0.08	5.03
Monthly Growth	0.96%	-0.33%	0.91%
Rural Subscribers (Million)	368.96	6.01	374.96
Rural Subscribers Net Monthly Addition (Million)	4.94	-0.06	4.89
Monthly Growth	1.36%	-0.93%	1.32%
Overall Teledensity*	72.92	2.31	75.23
Urban Teledensity*	140.53	5.94	146.47
Rural Teledensity*	42.97	0.70	43.67
Share of Urban Subscribers	59.16%	78.99%	59.77%
Share of Rural Subscribers	40.84%	21.01%	40.23%

- ❖ Mobile Number Portability requests increased from 111.94 million subscribers at the end of January, 2014 to 114.41 million at the end of February, 2014. In the month of February, 2014 alone 2.47 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in February, 2014 are 780.27 million, 86.37% of the total subscribers.
- ❖ Total Broadband (\geq 512 Kbps) subscription is 58.00 million at the end of February, 2014. Out of which, wired broadband subscription is 14.80 million and wireless broadband subscription is 43.20 million.

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

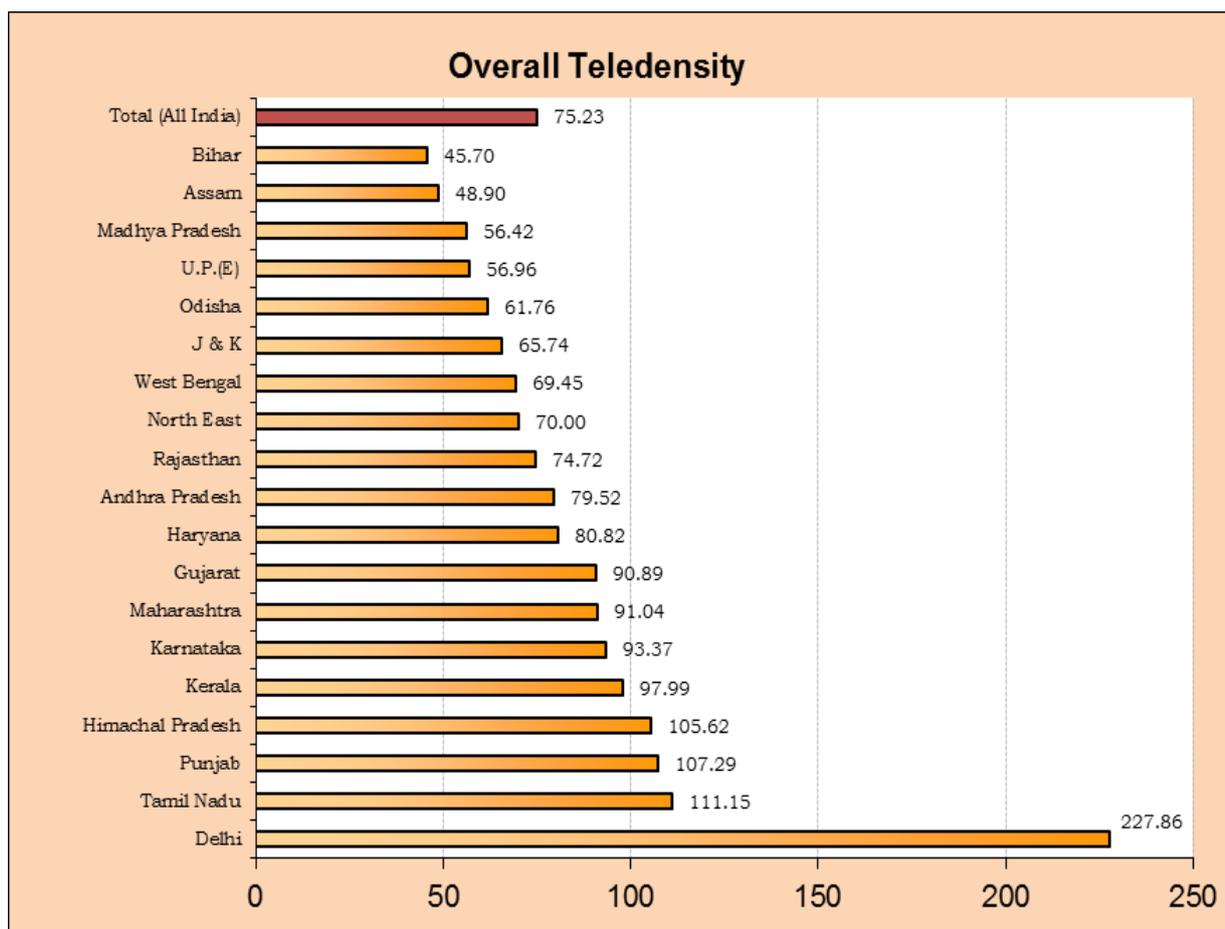
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 922.04 million at the end of January, 2014 to 931.95 million at the end of February, 2014, thereby showing a monthly growth of 1.08%. The share of urban subscribers has declined from 59.86% to 59.77% whereas share of rural subscribers has increased from 40.14% to 40.23% in the month of February, 2014. With this, the overall Tele-density in India increased from 74.50 at the end of January, 2014 to 75.23 at the end of February, 2014.



- Subscription in the urban areas increased from 551.96 million in January, 2014 to 556.99 million at the end of February, 2014. Subscription in rural areas increased from 370.08 million to 374.96 million during the same period. The monthly growth rate of urban and rural subscription is 0.91% and 1.32% respectively. The overall urban Tele-density has increased from 145.39 to 146.47 and Rural Tele-density increased from 43.13 to 43.67 in this month.

Overall Teledensity (Circle/State Wise) – As on 28th February, 2014

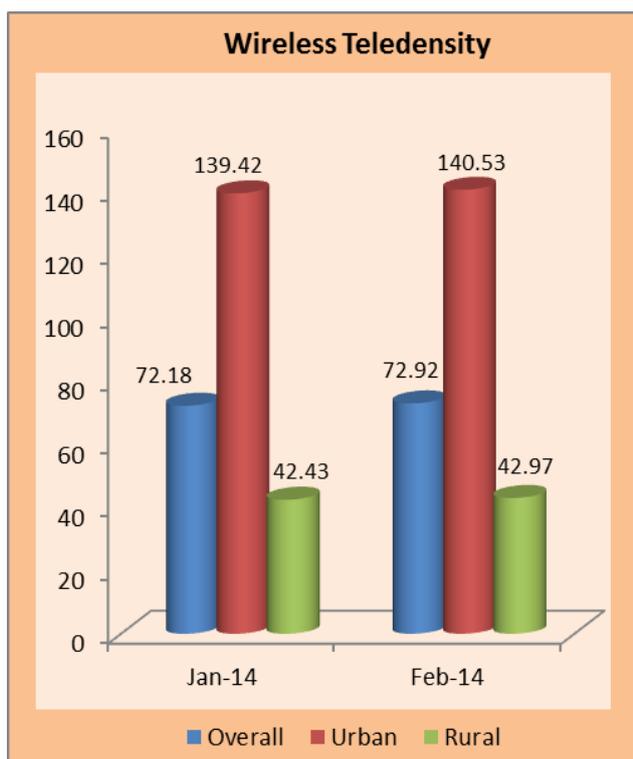
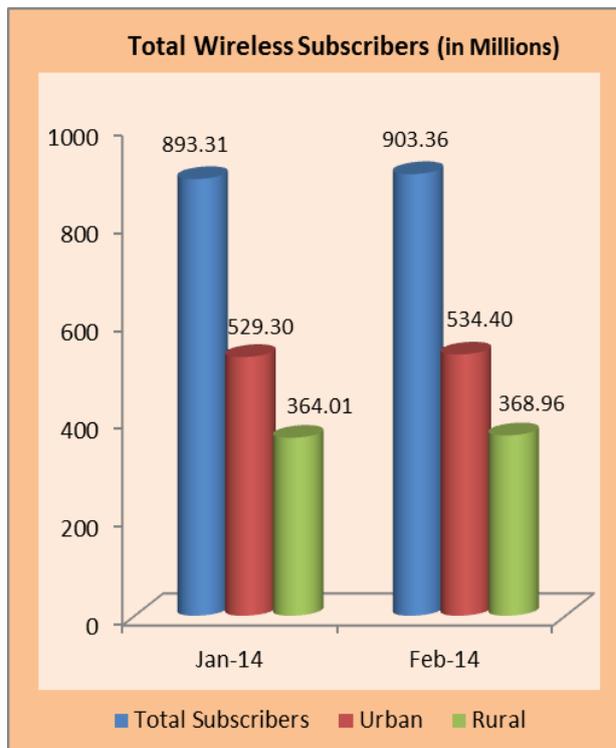


Notes:

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)

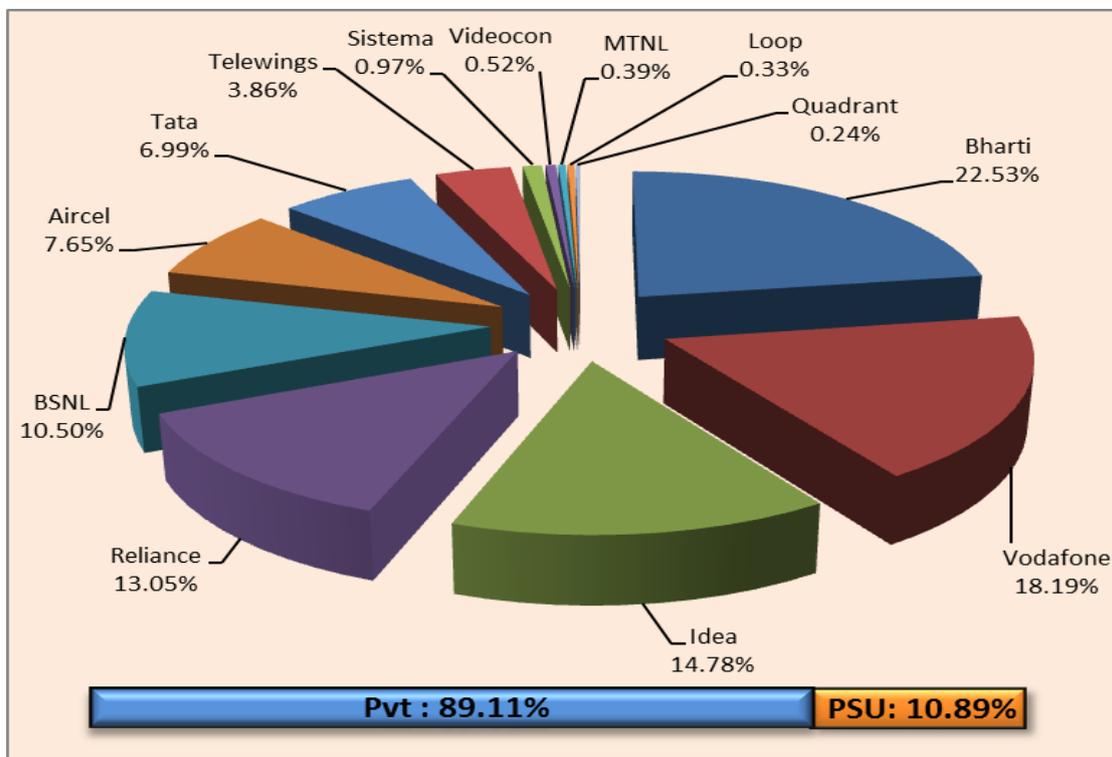
- Total wireless subscriber base increased from 893.31 million in January, 2014 to 903.36 million at the end of February, 2014, registering a monthly growth of 1.12%. The share of urban wireless subscribers has declined from 59.25% to 59.16% whereas share of rural wireless subscribers has increased from 40.75% to 40.84%. The overall wireless Tele-density in India has reached 72.92 from 72.18 of previous month.



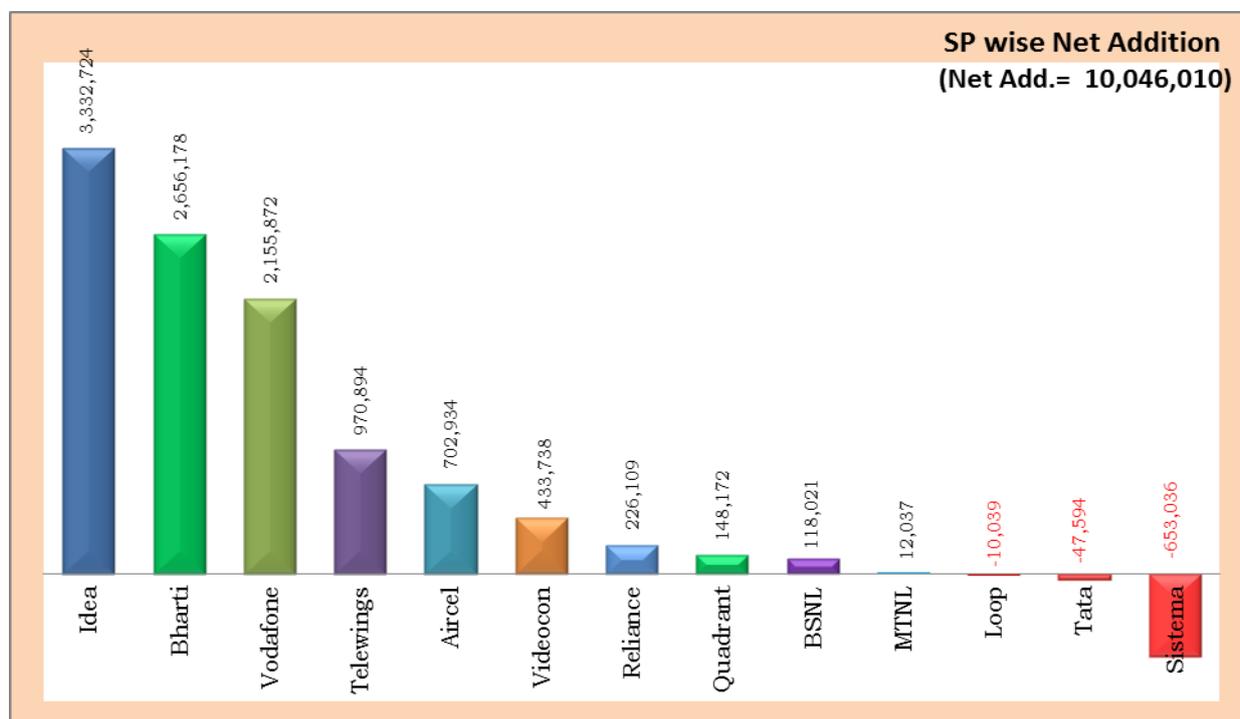
- Wireless subscription in urban areas increased from 529.30 million in January, 2014 to 534.40 million at the end of February, 2014. The wireless subscription in rural areas increased from 364.01 million to 368.96 million during the same period. The urban wireless Tele-density has increased from 139.42 to 140.53 and rural Tele-density has increased from 42.43 to 42.97. Detailed statistics of wireless subscriber base is available at Annexure-I.

- Private operators hold 89.11% of the wireless subscriber market share where as BSNL and MTNL, the two PSU operators hold only 10.89% market share. The graphical representations of market shares and shares in net additions of all the service providers during the month of February, 2014 are given below:

A. Service Provider wise Market Share as on 28th February, 2014.



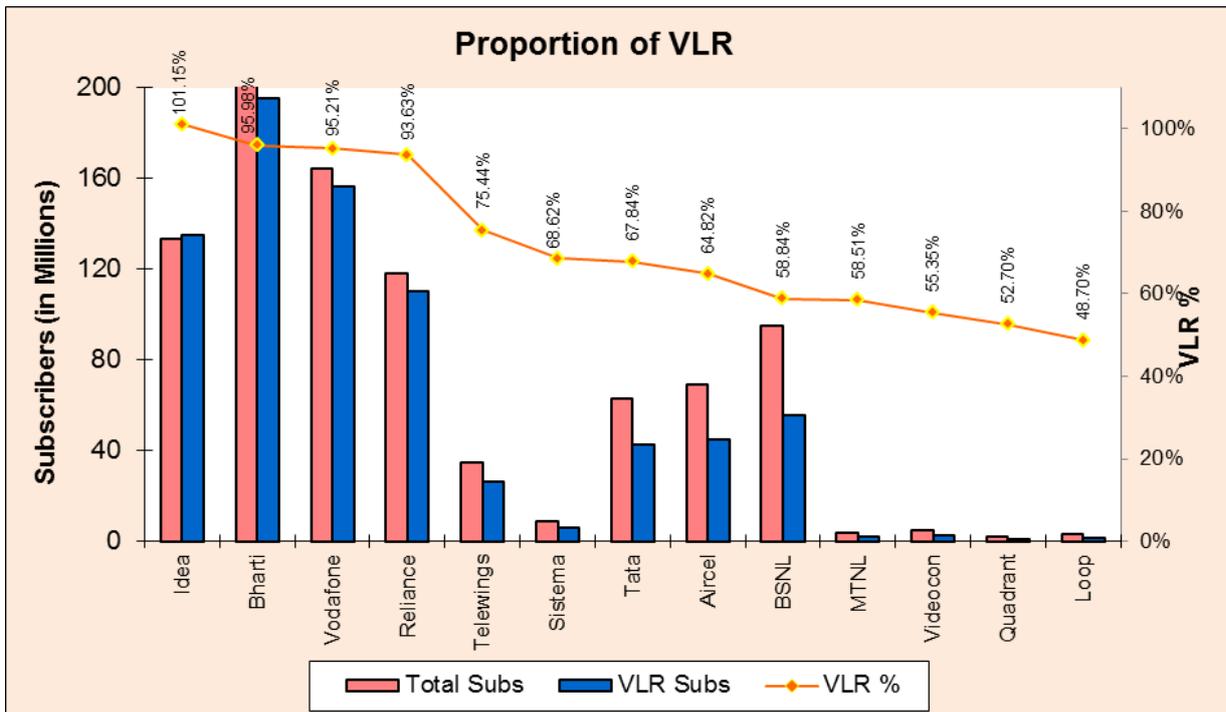
B. Service Provider wise net subscriber addition during February, 2014



III. VLR Data

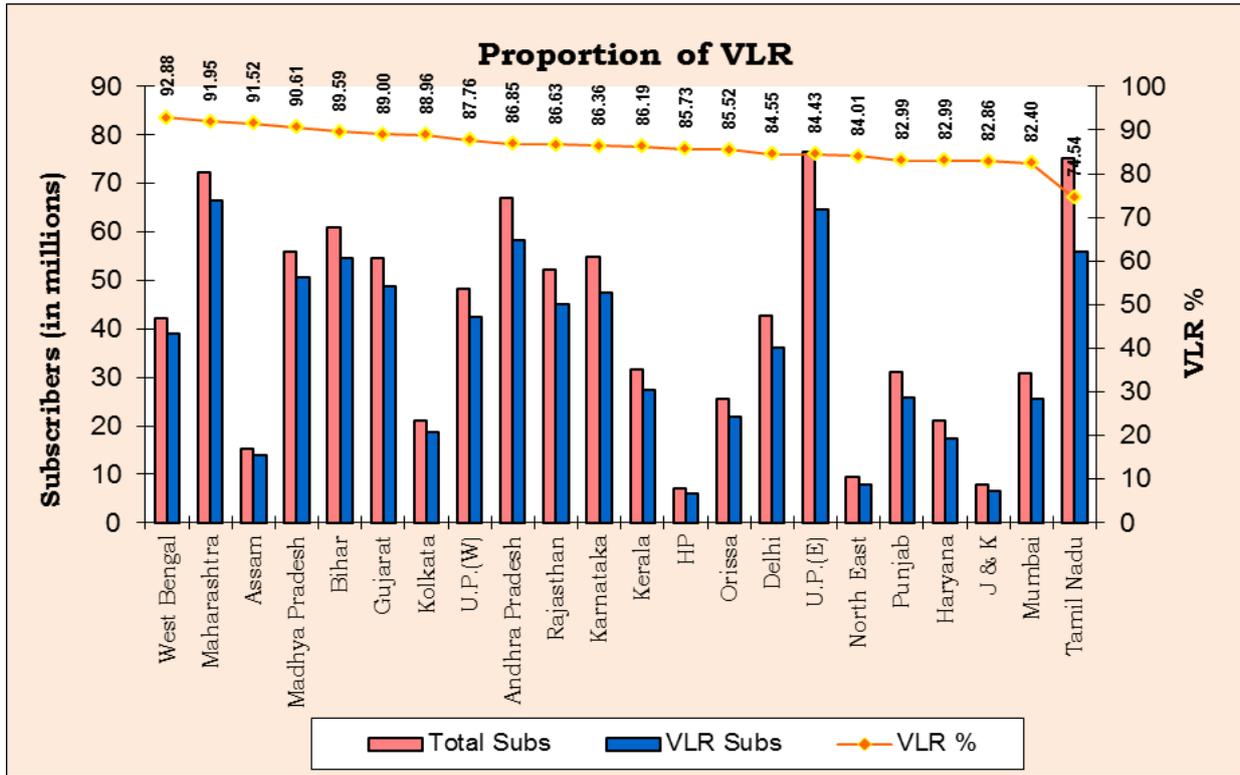
- Out of the total 903.36 million wireless subscribers, 780.27 million were active on the date of Peak VLR for the month of February, 2014. The proportion of VLR subscribers is approximately 86.37% of the total wireless subscriber base reported by the service providers.
- Service Provider wise, Idea leads the tally with 101.15% followed by Bharti (95.98%) and Vodafone (95.21%). Loop has the lowest proportion of VLR with 48.70%. Circle-wise, West Bengal has the highest proportion of VLR subscribers with 92.88% followed by Maharashtra (91.95%) and Assam (91.52%). Tamil Nadu (incl. Chennai) has the lowest VLR proportion with 74.54%.
- 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) – February, 2014

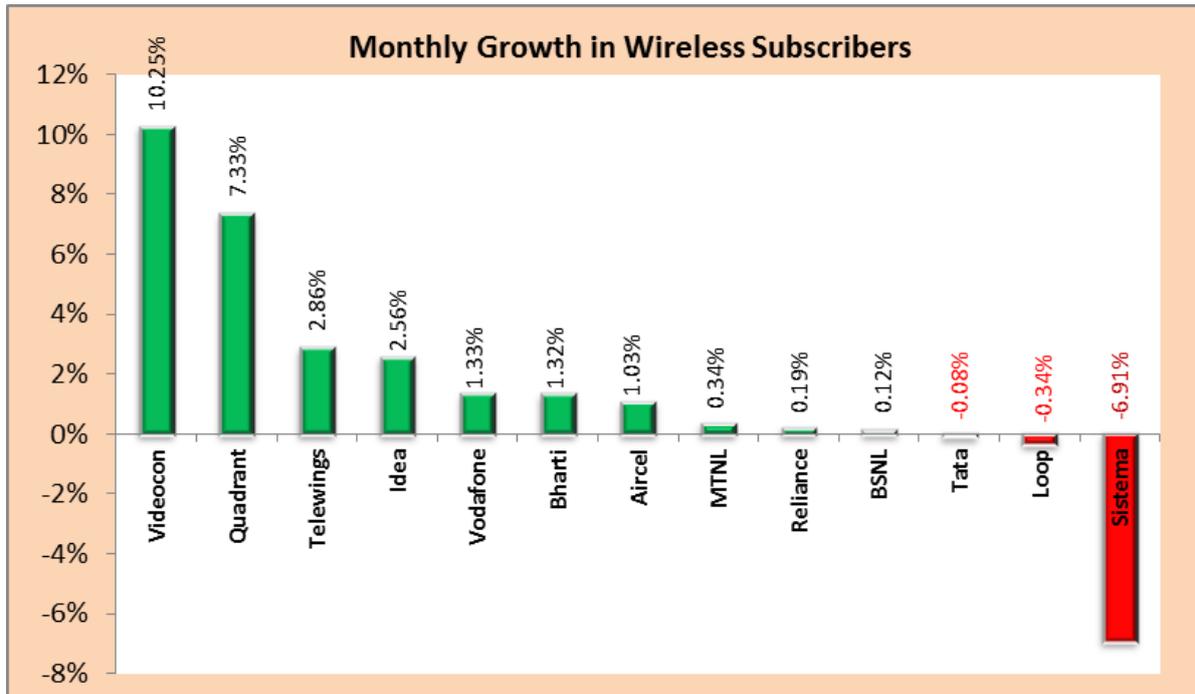


Note : 1. Peak VLR of M/s Idea Cellular is more than its HLR due to more number of inroamers.
 2. Telewings was formerly known as Unitech.

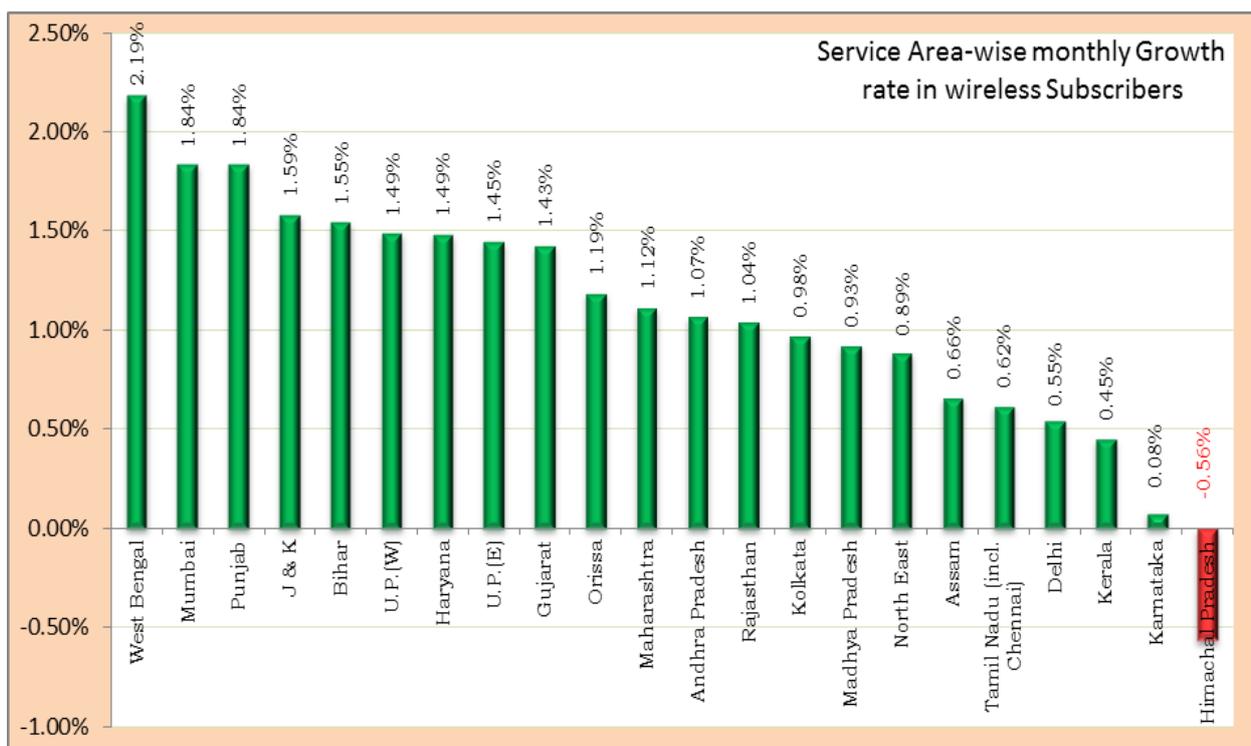
C. Proportion of VLR subscribers (Service Area wise) – February, 2014



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



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



IV. Mobile Number Portability

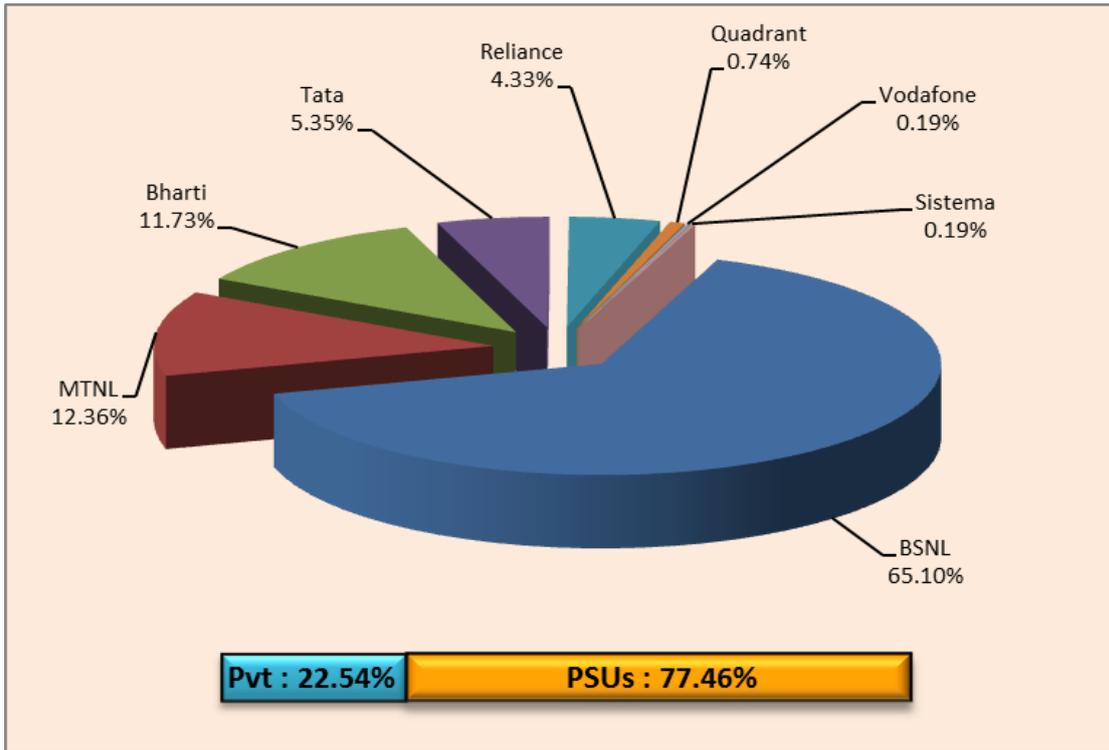
- As per the data reported by the service providers, by the end of February, 2014 about 114.41 million subscribers have submitted their requests to different service providers for porting their mobile number.
- In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (about 11.53 million) followed by Gujarat (about 9.85 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 13.09 million) followed by Andhra Pradesh Service area (about 10.53 million).
- In the month of February, 2014, total number of subscribers who have submitted their request for MNP is 2.47 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of February, 2014			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	4267806	Andhra Pradesh	10525744
Gujarat	9854274	Assam	404669
Himachal Pradesh	396731	Bihar	2654255
Haryana	4282907	Karnataka	13090569
Jammu & Kashmir	21243	Kerala	4439983
Maharashtra	9053384	Kolkata	2524914
Mumbai	4791038	Madhya Pradesh	6507837
Punjab	3916019	North East	199113
Rajasthan	11532670	Orissa	2421054
Uttar Pradesh - East	6348030	Tamil Nadu	6724984
Uttar Pradesh - West	6197356	West Bengal	4254188
Total	60,661,458	Total	53,747,310
Total (Zone-1 + Zone-2)		114,408,768	
Net Addition (in February, 2014)		2,471,169	

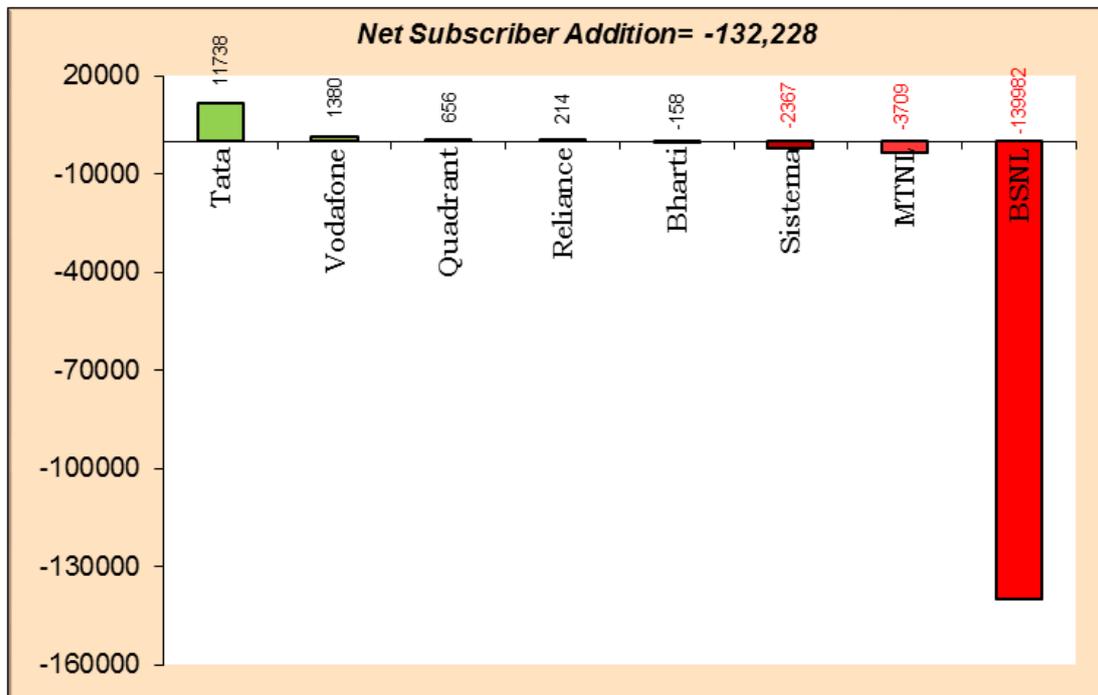
V. Wireline Segment

- Wireline subscriber base declined from 28.72 million at the end of January, 2014 to 28.59 Million at the end of February, 2014. Net reduction in wireline subscriber base was 0.13 million at the decline rate of 0.46%. The share of urban subscribers has increased from 78.89% to 78.99% whereas share of rural subscribers has decreased from 21.11% to 21.01%.
- The overall wireline Tele-density has slightly decreased from 2.32 in January, 2014 to 2.31 in February, 2014, with urban and rural Teledensity being 5.94 and 0.70 respectively. BSNL and MTNL, the two PSU operators hold 77.46% 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 28th February, 2014 is given below:

E. Service Provider wise Market Share of wireline subscribers as on 28th February, 2014



F. Wireline Service Provider wise Net addition/decline during February, 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, the Circles in Category B show the highest net addition highest rate of monthly growth of subscriber base in wireless segment. In wireline segment, Circles in Category B show the highest net decline and highest monthly decline rate in subscriber base from January, 2014 to February, 2014.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of February, 2014		Subscriber Base as on 28 th February, 2014	
	Wireline	Wireless	Wireline	Wireless
Circle A	-47058	2788697	11314084	323935655
Circle B	-80935	4769296	8542579	358806055
Circle C	-3810	1493606	1501389	126089858
Metro	-425	994411	7234257	94528915
All India	-132,228	10,046,010	28,592,309	903,360,483

Category-wise Growth Rate in Access Service

Category	Monthly Rate of Growth (Jan-14 to Feb-14)		Yearly rate of growth (Feb-13 to Feb-14)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.41%	0.87%	-6.41%	5.40%
Circle B	-0.94%	1.35%	-9.99%	5.18%
Circle C	-0.25%	1.20%	-10.82%	3.52%
Metro	-0.01%	1.06%	1.90%	3.44%
All India	-0.46%	1.12%	-5.83%	4.84%

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

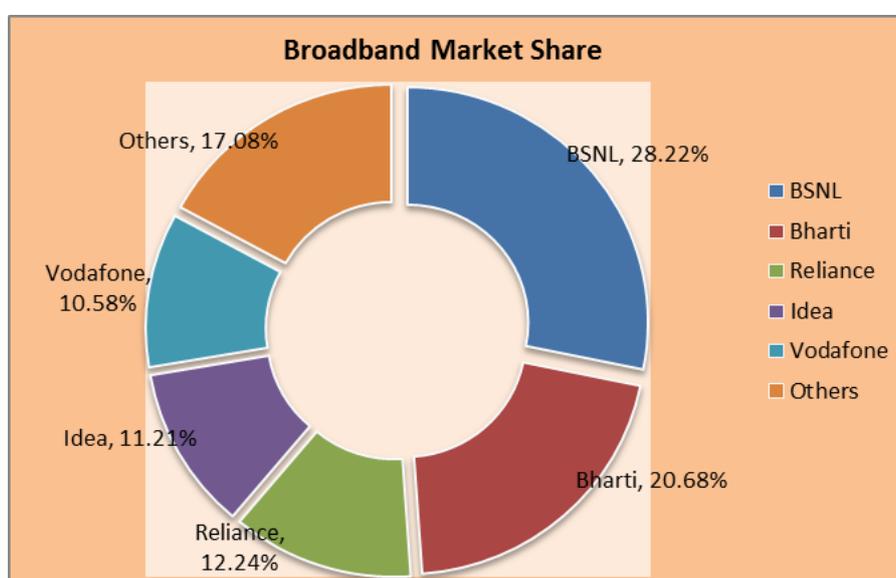
VII. Broadband (≥ 512 Kbps download)

- As per the reports received from the Broadband service providers, there are 58.00 Million Broadband subscribers in the country at the end of February, 2014. Segment wise broadband subscriber base are as below :

Sl. No.	Segment	Broadband subscribers (in million)		% Change
		Jan-14	Feb-14	
01	Wired Subscribers	14.55	14.80	1.71
02	Mobile devices users (Phones + Dongles)	41.95	42.81	2.05
03	Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.40	0.39	-1.97
	Total	56.90	58.00	1.94

- Top five broadband service providers constitute 82.92% market share of total broadband subscribers. They are BSNL (16.37 million), Bharti (11.99 million), Reliance (7.10 million), Idea (6.50 million) and Vodafone (6.14 million).

G. Broadband (wired+wireless) Market Share



- Top five Wired Broadband Service providers are BSNL (9.98 million), Bharti (1.39 million), MTNL (1.10 million), YOU Broadband (0.37 million) and Beam Telecom (0.37 million).
- Top five Wireless Broadband Service providers are Bharti (10.60 million), Reliance (6.98 million), Idea (6.50 million), BSNL (6.38 Million) and Vodafone (6.14 million).

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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	
	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14
Andhra Pradesh	19700602	19860094	5907659	5934278	6150608	6245002	6480147	6513274	12038573	12243359	1940154	1952623	9786660	9874701
Assam	4394850	4465411	2579770	2506992	2728862	2775750			547494	581321	3706030	3721951	1253553	1260013
Bihar	21485973	21763729	9165549	9358766	7113337	7175237	2876605	2826191	6277988	6509481	5177910	5217201	3177577	3204149
Delhi	10028752	10121311	7879558	7874409	9108542	9177616	2893676	2902040	5376543	5509452	3778488	3772898		
Gujarat	7237646	7347645	6729465	6621817	17046975	17279400	2845111	2898392	8938782	9201396	30773	30773	4420814	4305298
Haryana	2368740	2400124	2191074	2201207	4808021	4870877	2664330	2603943	4061249	4181889	11092	11092	3256936	3297559
Himachal Pradesh	2155419	2178791	1516446	1498729	527782	528293	131411	127257	512266	528530	784007	818410	1527796	1434847
J & K	2571114	2601670	714878	739791	732422	742356			306493	333756	2108278	2131409	1246493	1252505
Karnataka	17065791	17145737	6411962	6330215	7146327	7165892	5903442	5878428	6600203	6731225	2546089	2545059	7230944	7282853
Kerala	3699195	3720587	2195624	2202839	6625536	6638302	1663978	1673909	8563435	8696784	1183	1048	8404573	8397091
Kolkata	3842231	3873533	3863599	3878480	4527455	4584688	2875415	2898424	1280909	1340199	2804989	2870033	866187	863071
Madhya Pradesh	10490135	10594665	12829812	12587968	4671534	4806604	4038015	4049803	16765452	17115547	22694	22694	4999936	5010370
Maharashtra	10484563	10588835	7389820	7404501	15011575	15216988	6222818	6269929	18151446	18613910	1389269	1436777	6669293	6573799
Mumbai	4366132	4416209	6091998	6139827	7113051	7481149	3468667	3473828	3355450	3405043	1929080	1967226		
North East	3035984	3084924	1019408	979632	1129908	1163248			329958	351946	2338153	2342606	1468054	1481766
Orissa	7616080	7763504	4242618	4244158	3308052	3363070	2015488	2046417	1102358	1143671	3558272	3572841	3319091	3327570
Punjab	7335050	7534302	2963345	3007491	4609740	4671708	2464452	2434569	5804185	5882418	866042	894132	4558608	4591834
Rajasthan	15562804	15751430	5936615	5982506	9603620	9755453	2153652	2092834	5740348	5966399	4310006	4481295	5998544	6017746
Tamil Nadu (incl. Chennai)	14291585	14438704	6106341	6133004	12932279	13041288	5460294	5484690	2633971	2714421	22432741	22509816	9733791	9781021
U.P.(E)	16211071	16510244	8657965	8751683	15167294	15293421	4190454	4153417	7687655	7887937	5160078	5139537	10356792	10394725
U.P.(W)	6789781	6882021	5940226	6009058	9650166	9754386	3616406	3610181	11325435	11610099	109150	109150	4378244	4427574
West Bengal	10106257	10452463	7315179	7487669	12475212	12613442	1230701	1209942	2817511	3001645	3439593	3598434	2063029	2056444
Total	200839755	203495933	117648911	117875020	162188298	164344170	63195062	63147468	130217704	133550428	68444071	69147005	94716915	94834936
Net Addition		2656178		226109		2155872		-47594		3332724		702934		118021

Wireless Subscriber Base

Annexure-I

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Circle	Group												Total		Net Add.
	MTNL		Telewings		Sistema		Loop		Videocon		Quadrant		Jan-14	Feb-14	
	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14			
Andhra Pradesh			4378406	4470068									66382809	67093399	710590
Assam													15210559	15311438	100879
Bihar			4792525	4941969									60067464	60996723	929259
Delhi	2450041	2453375			934013	872472							42449613	42683573	233960
Gujarat			5122178	5286034	177527	160967			1375776	1564526			53925047	54696248	771201
Haryana									1385674	1488758			20747116	21055449	308333
Himachal Pradesh													7155127	7114857	-40270
J & K													7679678	7801487	121809
Karnataka					1881588	1751627							54786346	54831036	44690
Kerala					428749	394851							31582273	31725411	143138
Kolkata					707942	663182							20768727	20971610	202883
Madhya Pradesh									1471704	1613608			55289282	55801259	511977
Maharashtra			6072987	6084473									71391771	72189212	797441
Mumbai	1045172	1053875					2946614	2936575					30316164	30873732	557568
North East													9321465	9404122	82657
Orissa													25161959	25461231	299272
Punjab											2022385	2170557	30623807	31187011	563204
Rajasthan					2252647	2048469							51558236	52096132	537896
Tamil Nadu (incl. Chennai)					1069983	1022816							74660985	75125760	464775
U.P.(E)			7964835	8358994									75396144	76489958	1093814
U.P.(W)			5585433	5745720	262251	219600							47657092	48367789	710697
West Bengal					1735327	1663007							41182809	42083046	900237
Total	3495213	3507250	33916364	34887258	9450027	8796991	2946614	2936575	4233154	4666892	2022385	2170557	893314473	903360483	10046010
Net Addition		12037		970894		-653036		-10039		433738		148172		10046010	

Proportion of VLR on the date of Peak VLR in the month of Feb-14 (%)														Annexure-II
Circle	Aircel	Bharti	BSNL	Quadrant	Idea*	Loop	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	57.58	97.82	64.81		100.32			94.26		71.74	70.32		90.09	86.85
Assam	88.29	97.18	80.98		92.04			86.78					95.71	91.52
Bihar	65.90	97.69	60.49		105.52			96.12		51.30	78.76		94.86	89.59
Delhi	63.33	82.98			100.00		48.77	96.66	50.50	62.31			95.16	84.55
Gujarat	47.52	97.36	63.63		101.93			95.64	84.96	66.66	72.27	53.82	94.48	89.00
Haryana	4.26	97.35	49.05		98.63			96.07		69.95		51.91	96.21	82.99
Himachal Pradesh	54.97	95.50	76.24		105.61			91.45		45.10			92.50	85.73
J & K	83.12	96.50	68.02		90.80			52.56					86.00	82.86
Karnataka	55.23	98.68	53.82		101.65			93.33	69.03	76.55			92.76	86.36
Kerala	117.65	97.30	64.82		99.56			92.10	65.08	70.90			92.63	86.19
Kolkata	72.98	96.41	86.99		95.60			95.97	100.35	70.16			95.40	88.96
Madhya Pradesh	5.86	96.95	58.34		105.08			88.61		73.46		60.01	89.13	90.61
Maharashtra	66.50	99.14	72.29		102.14			96.25		75.57	72.45		97.81	91.95
Mumbai	59.14	92.26			93.21	48.70	81.20	97.05		67.27			86.16	82.40
North East	76.68	96.92	66.07		89.49			81.25					88.01	84.01
Orissa	58.86	98.24	83.99		98.48			85.03		72.54			90.10	85.52
Punjab	48.67	94.27	53.32	52.70	98.69			95.54		63.86			96.74	82.99
Rajasthan	67.95	95.15	45.70		103.60			97.13	59.61	79.73			97.06	86.63
Tamil Nadu (incl. Chennai)	57.82	96.76	47.66		85.24			90.33	67.74	62.85			94.76	74.54
U.P. (E)	68.58	95.17	44.68		104.31			94.69		57.96	76.79		100.44	84.43
U.P. (W)	22.50	91.01	53.39		99.54			95.18	60.28	61.19	80.71		97.82	87.76
West Bengal	77.30	96.08	83.04		101.55			96.83	77.07	45.92			98.47	92.88
Total	64.82	95.98	58.84	52.70	101.15	48.70	58.51	93.63	68.62	67.84	75.44	55.35	95.21	86.37

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

Wireline Subscriber Base																		Annexure-III	
Circle	Group																		
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone		Total		
	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	Jan-14	Feb-14	
Andhra Pradesh	1673529	1663434			126021	125181	87591	87544	167305	167215					7,350	7,650	2061796	2051024	
Assam	185719	184782							0	0					990	1,050	186709	185832	
Bihar	362103	362156					5842	5906	11193	11446					390	390	379528	379898	
Delhi			1601560	1600496	1189809	1191721	184165	184321	101619	105217					16,320	16,500	3093473	3098255	
Gujarat	1468465	1462894			56626	57017	95412	95133	74153	74654					1,440	1,440	1696096	1691138	
Haryana	458,947	455,051			16568	16491	5770	5787	26848	25165					60	60	508133	502554	
Himachal Pradesh	250,500	248,169					4856	4856	2337	2371							257693	255396	
J & K	188,524	187,371					0	0	0	0							188524	187371	
Karnataka	1558985	1548913			493447	493786	117890	118471	157777	159288					5,040	5,040	2333139	2325498	
Kerala	2803946	2788555			49315	49127	51719	51543	11964	12234							2916944	2901459	
Kolkata	856287	851154			104751	104889	81842	82001	39934	40754					1740	1770	1084554	1080568	
Madhya Pradesh	826910	828702			226412	226352	24553	24297	17433	18034					180	180	1095488	1097565	
Maharashtra	1905299	1893703			68387	68761	98156	97935	251288	252924					3,690	4,050	2326820	2317373	
Mumbai			1936424	1933779	357435	357515	234651	234893	519175	520187					8,970	9,060	3056655	3055434	
North East	142,036	142,319							0	0					60	60	142096	142379	
Orissa	339397	339155					3787	3814	7075	7124					390	420	350649	350513	
Punjab	908418	892765			91874	91839	23369	23115	17206	17382	210046	210702			360	360	1251273	1236163	
Rajasthan	823171	810882			37378	37407	23335	23272	8326	8180			56611	54244	1,170	1,290	949991	935275	
Tamil Nadu (incl. Chennai)	2249621	2235017			464776	462228	147229	147208	77555	80338					4110	4260	2943291	2929051	
U.P.(E)	721358	705080			51264	51624	40699	40823	14309	14395					660	690	828290	812612	
U.P.(W)	524480	510420			21224	21191	6044	6160	8618	8844					270	270	560636	546885	
West Bengal	506832	504023					2121	2166	3776	3877					30	30	512759	510066	
Total	18754527	18614545	3537984	3534275	3355287	3355129	1239031	1239245	1517891	1529629	210046	210702	56611	54244	53160	54540	28724537	28592309	
Net Addition		-139982		-3709		-158		214		11738		656		-2367		1380		-132228	

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.
