

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 7th January, 2015

(www.trai.gov.in)

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

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	937.06	27.14	964.20
Net Addition in November, 2014 (Million)	1.71	-0.14	1.57
Monthly Growth Rate	0.18%	-0.50%	0.16%
Urban Telephone Subscribers (Million)	546.99	21.72	568.72
Net Addition in November, 2014 (Million)	-1.78	-0.07	-1.86
Monthly Growth Rate	-0.32%	-0.34%	-0.33%
Rural Telephone Subscribers (Million)	390.06	5.42	395.48
Net Addition in November, 2014 (Million)	3.49	-0.06	3.43
Monthly Growth Rate	0.90%	-1.17%	0.87%
Overall Tele-density*	74.95	2.17	77.12
Urban Tele-density*	141.75	5.63	147.38
Rural Tele-density*	45.13	0.63	45.76
Share of Urban Subscribers	58.37%	80.03%	58.98%
Share of Rural Subscribers	41.63%	19.97%	41.02%
Broadband Subscribers (Million)	66.99	15.23	82.22

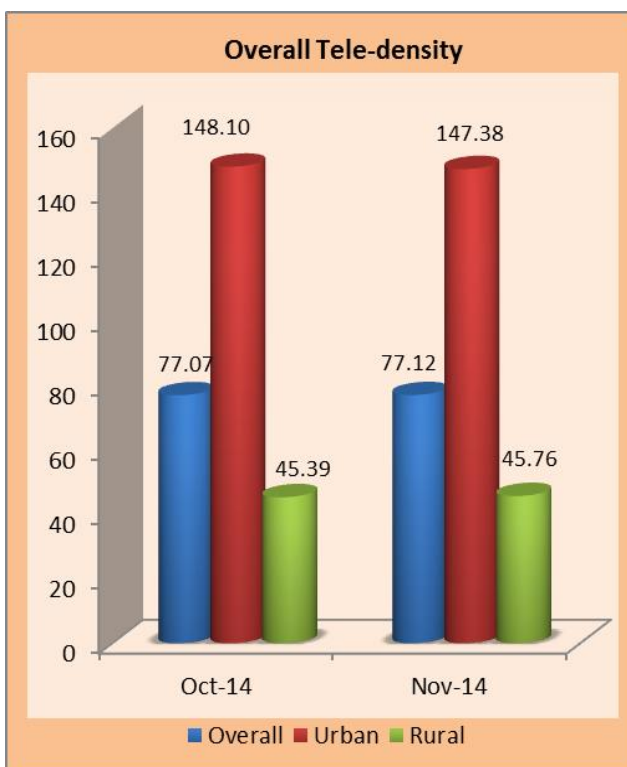
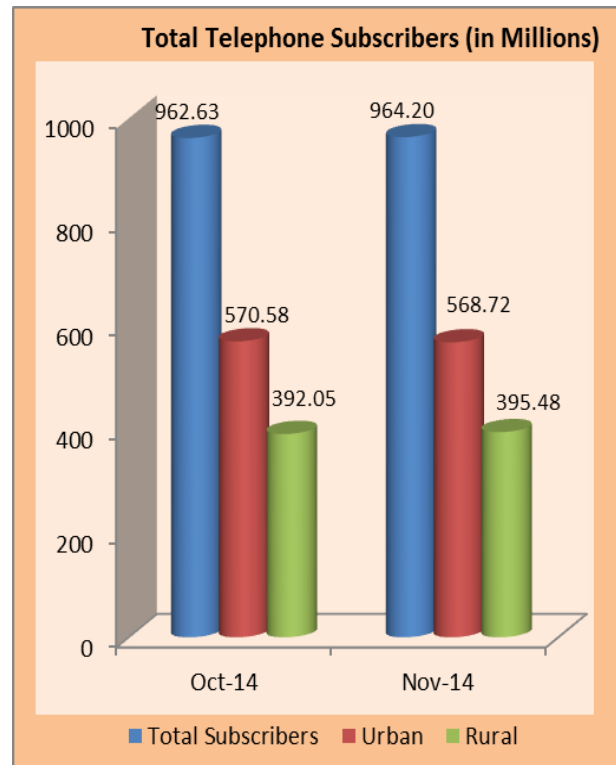
- ❖ In the month of November, 2014, 3.64 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 135.86 million at the end of October, 2014 to 139.49 million at the end of November, 2014.
- ❖ Number of active wireless subscribers on the date of peak VLR# in November, 2014 was 824.38 million (87.98% 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.

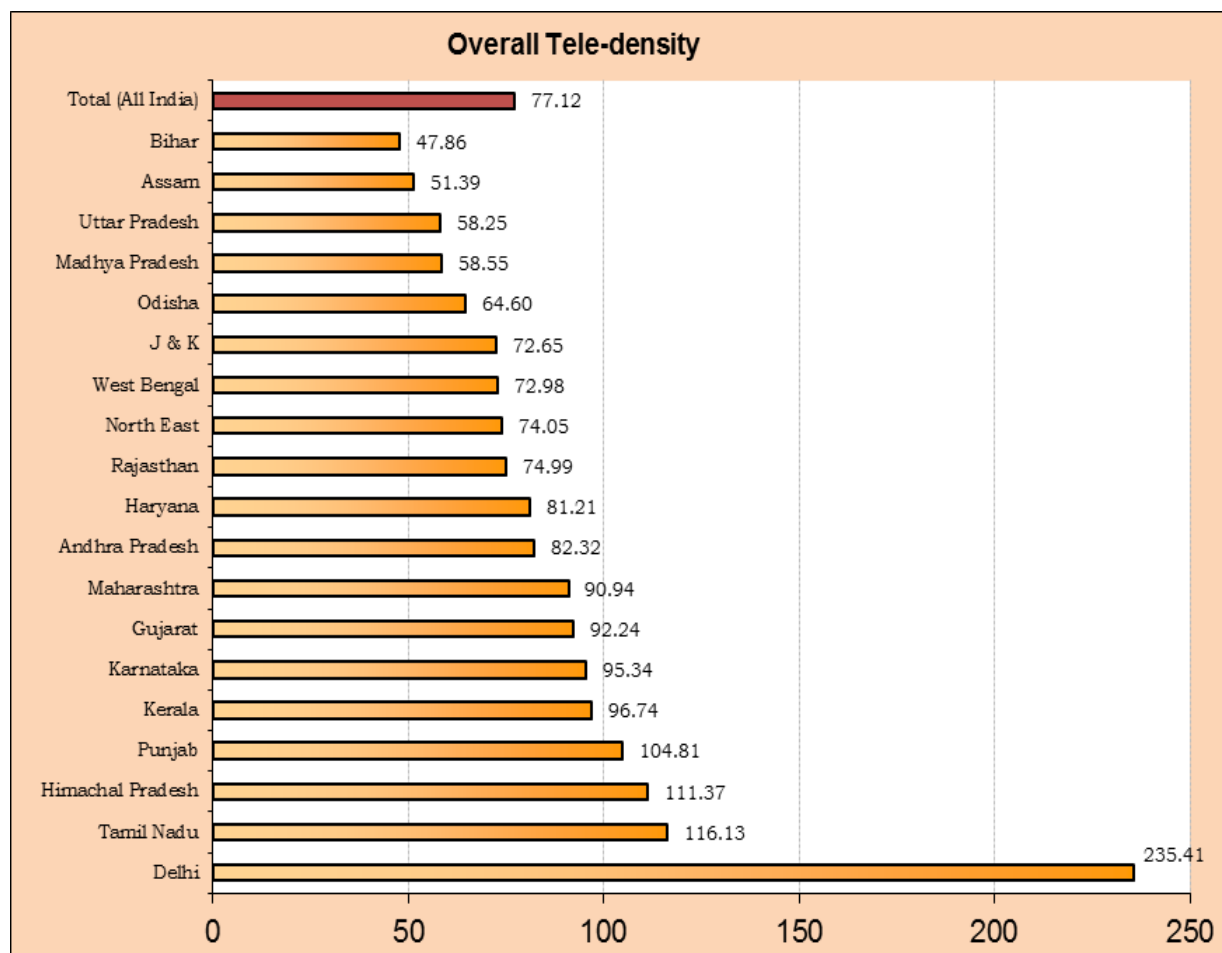
I. Total Telephone Subscribers

The number of telephone subscribers in India increased from 962.63 million at the end of October, 2014 to 964.20 million at the end of November, 2014, thereby showing a monthly growth rate of 0.16%. The urban subscription declined from 570.58 million at the end of October, 2014 to 568.72 million at the end of November, 2014 whereas the rural subscription increased from 392.05 million to 395.48 million during the same period. The monthly growth rates of urban and rural subscription were -0.33% and 0.87% respectively.



The overall Tele-density in India increased from 77.07 at the end of October, 2014 to 77.12 at the end of November, 2014. The Urban Tele-density declined from 148.10 to 147.38 whereas Rural Tele-density increased from 45.39 to 45.76 in the month of November 2014. The shares of urban subscribers and rural subscribers at the end of November, 2014 were 58.98% and 41.02% respectively.

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

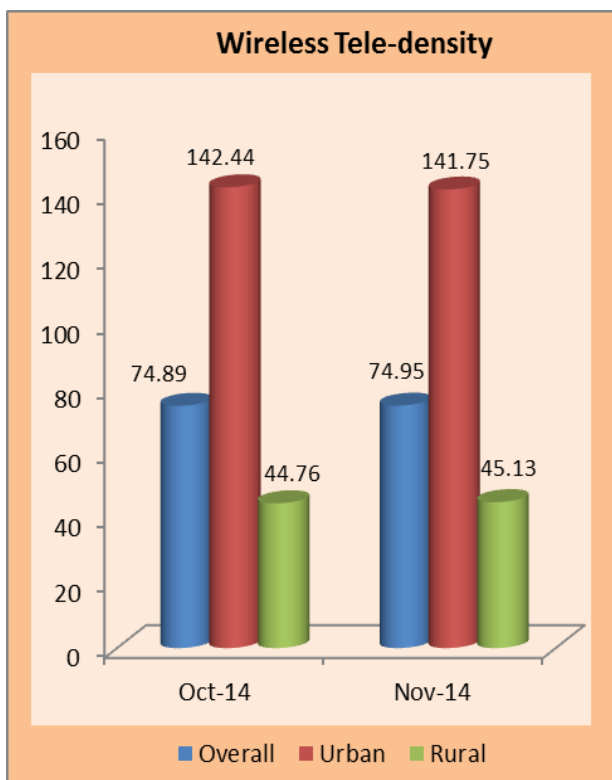
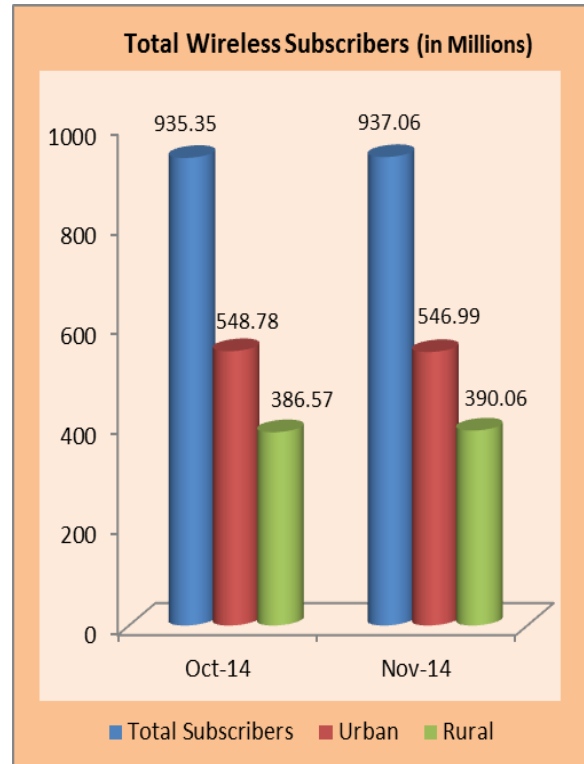


Notes:

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

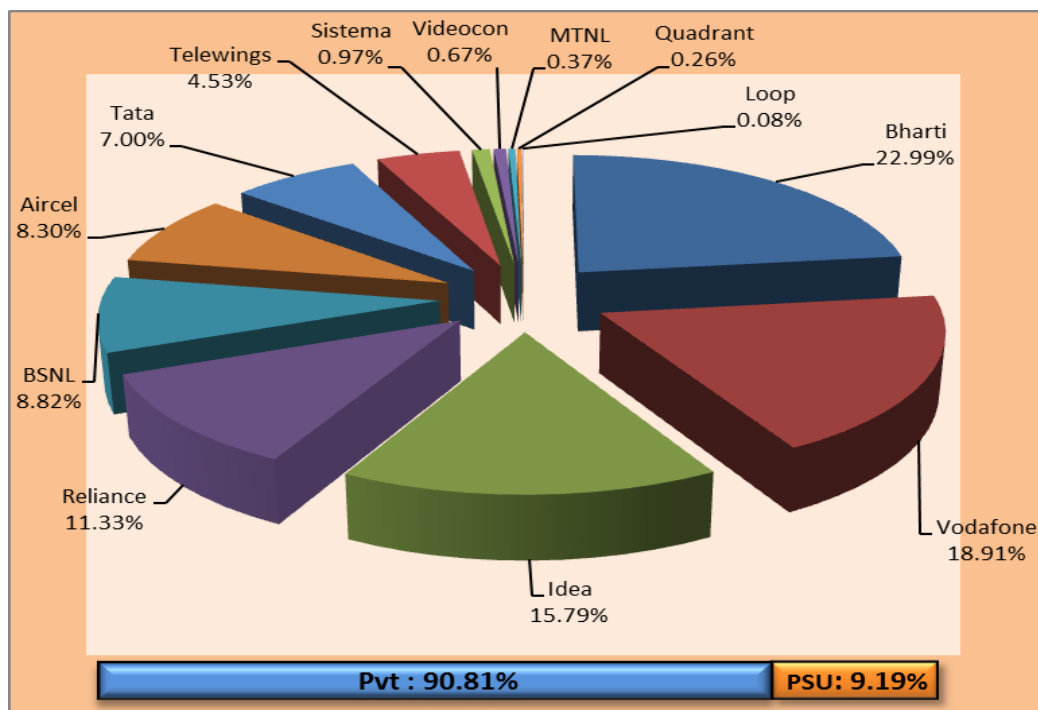
- Total wireless subscriber base increased from 935.35 million at the end of October, 2014 to 937.06 million at the end of November, 2014, thereby registering a monthly growth rate of 0.18%. The Wireless subscription in urban areas declined from 548.78 million at the end of October, 2014 to 546.99 million at the end of November, 2014, whereas wireless subscription in rural areas increased from 386.57 million to 390.06 million during the same period. The monthly growth rates of urban and rural wireless subscription were -0.32% and 0.90% respectively.



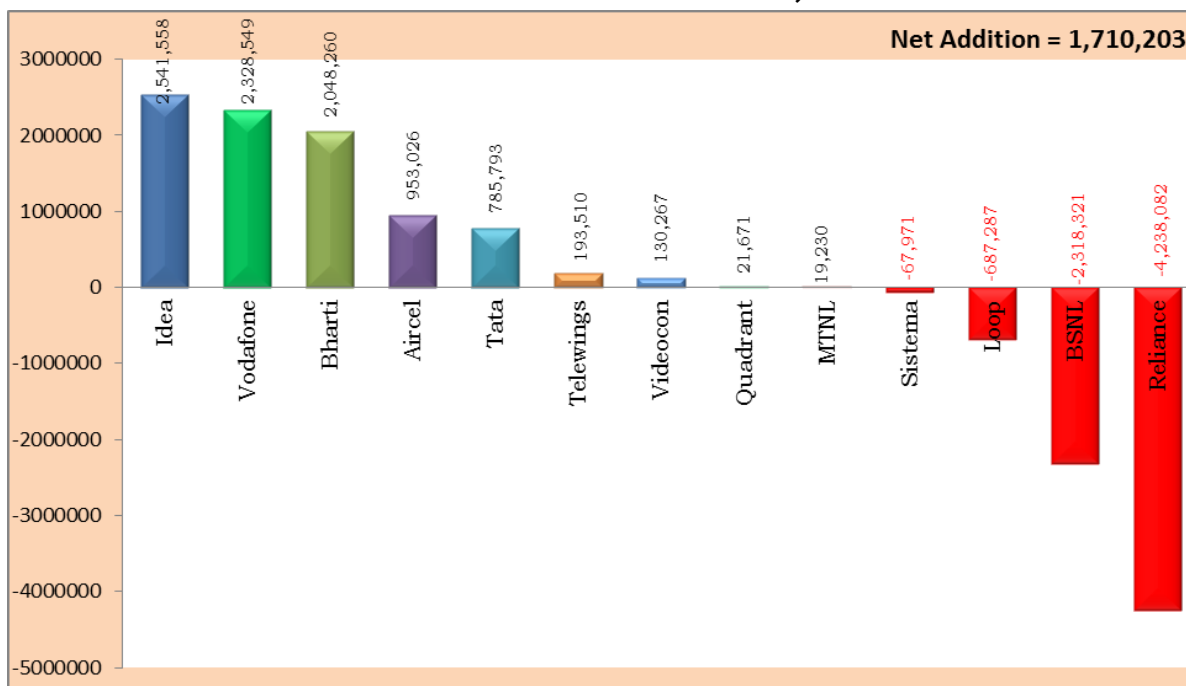
- The Wireless Tele-density in India increased from 74.89 at the end of October, 2014 to 74.95 at the end of November, 2014. The Urban Wireless Tele-density declined from 142.44 to 141.75 whereas Rural Wireless Tele-density increased from 44.76 to 45.13 in the month of November, 2014. The shares of urban and rural wireless subscribers were 58.37% and 41.63% respectively at the end of November, 2014. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 30th November, 2014, the private access service providers held 90.81% market share of the wireless subscribers whereas BSNL and MTNL, the two PSUs access service providers, held only 9.19% market share. The graphical representations of access service provider-wise market shares and net additions in wireless subscriber bases are given below:

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



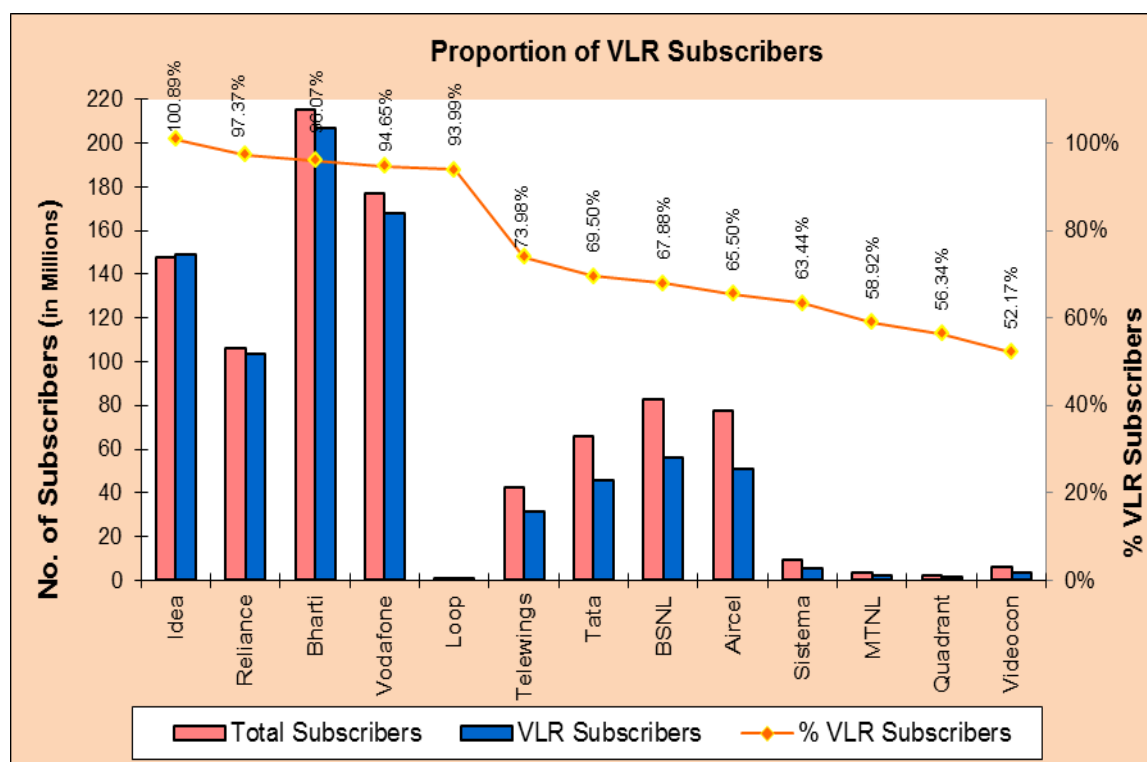
Net Additions in Wireless Subscriber Bases of Access Service Providers in the Month of November, 2014



III. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscriber base (937.06 million), 824.38 million wireless subscribers were active on the date of peak VLR in the month of November, 2014. The proportion of active wireless subscribers was approximately 87.98% 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 November, 2014 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

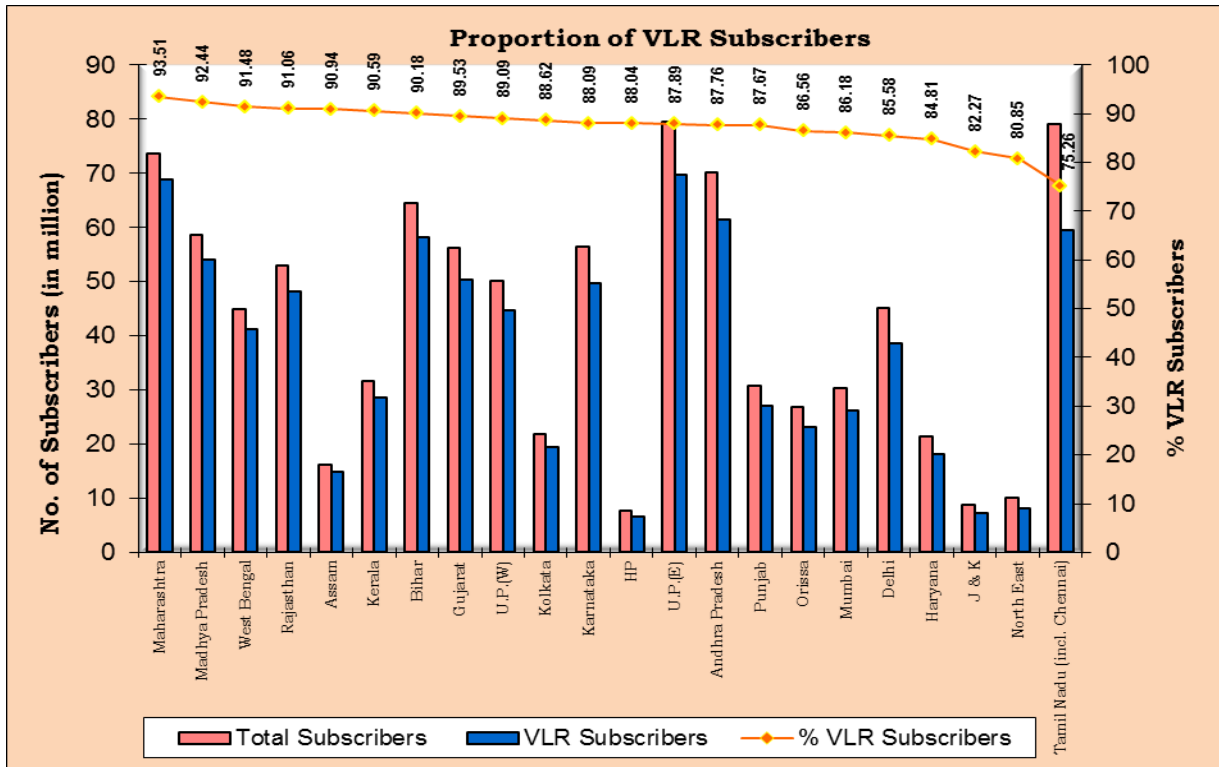
Access Service Provider-wise Proportion of VLR Subscribers In the Month of November, 2014



Note-

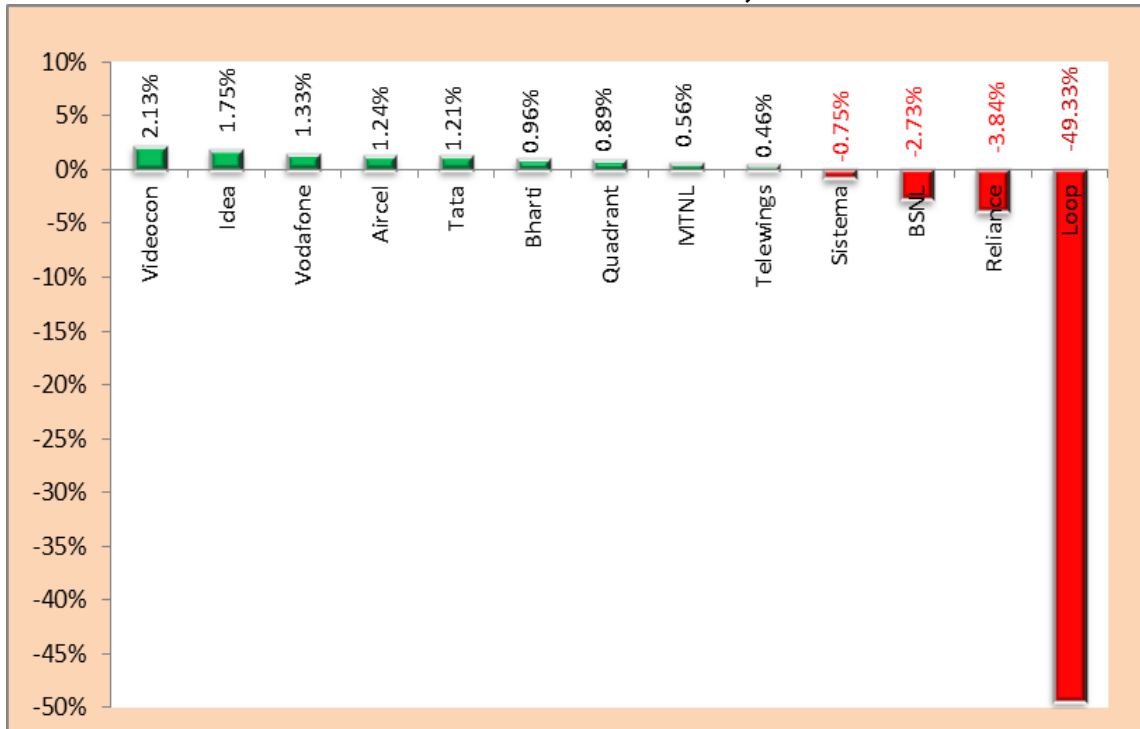
1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.
2. Telewings was formerly known as Unitech.

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

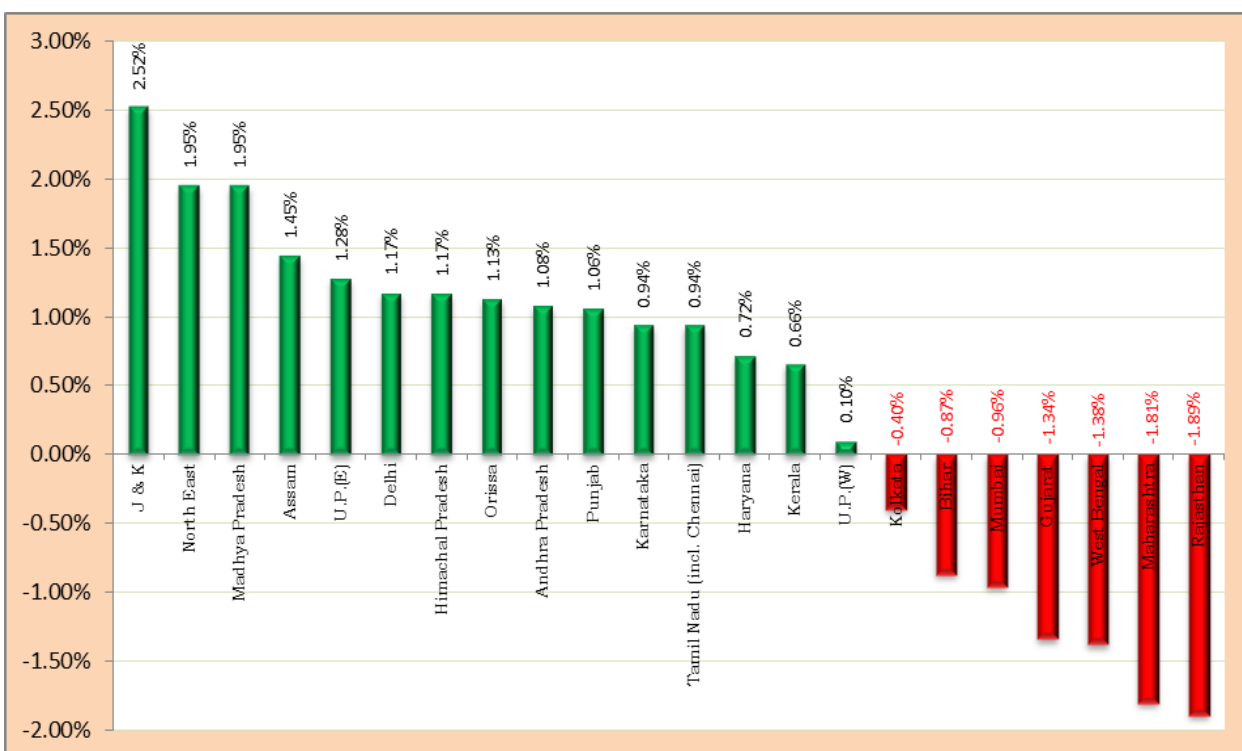


IV. Growth in Wireless Subscribers

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



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



- J&K service area recorded the highest growth rate in wireless subscribers during the month of November, 2014 whereas Rajasthan service area showed maximum decline in subscriber base during the month.

V. Mobile Number Portability

- In the month of November, 2014, a total of 3.64 million subscribers submitted their requests for MNP. With this, the cumulative MNP requests increased from 135.86 million at the end of October, 2014 to 139.49 million at the end of November, 2014.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 13.63 million) followed by Gujarat (about 11.51 million). In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 15.72 million) followed by Andhra Pradesh (about 13.17 million).

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

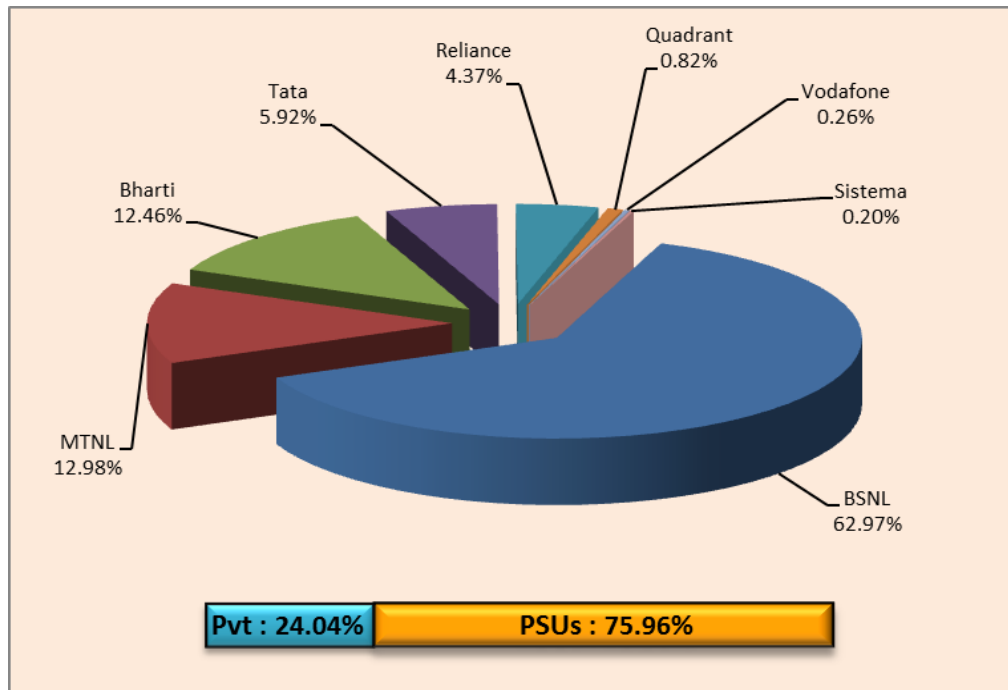
MNP Requests (Service Area-wise) at the end of November, 2014			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	5432781	Andhra Pradesh	13166706
Gujarat	11506724	Assam	461202
Himachal Pradesh	5152982	Bihar	3196263
Haryana	478400	Karnataka	15720828
Jammu & Kashmir	30981	Kerala	5072879
Maharashtra	10613682	Kolkata	3200991
Mumbai	7618829	Madhya Pradesh	8133870
Punjab	4843329	North East	245744
Rajasthan	13625585	Orissa	2873359
Uttar Pradesh - East	7213921	Tamil Nadu	8445474
Uttar Pradesh - West	7083174	West Bengal	5375325
Total	73,600,388	Total	65,892,641
Total (Zone-1 + Zone-2)			139,493,029
Net Addition (in November, 2014)			3,635,978

VI. Wireline Subscribers

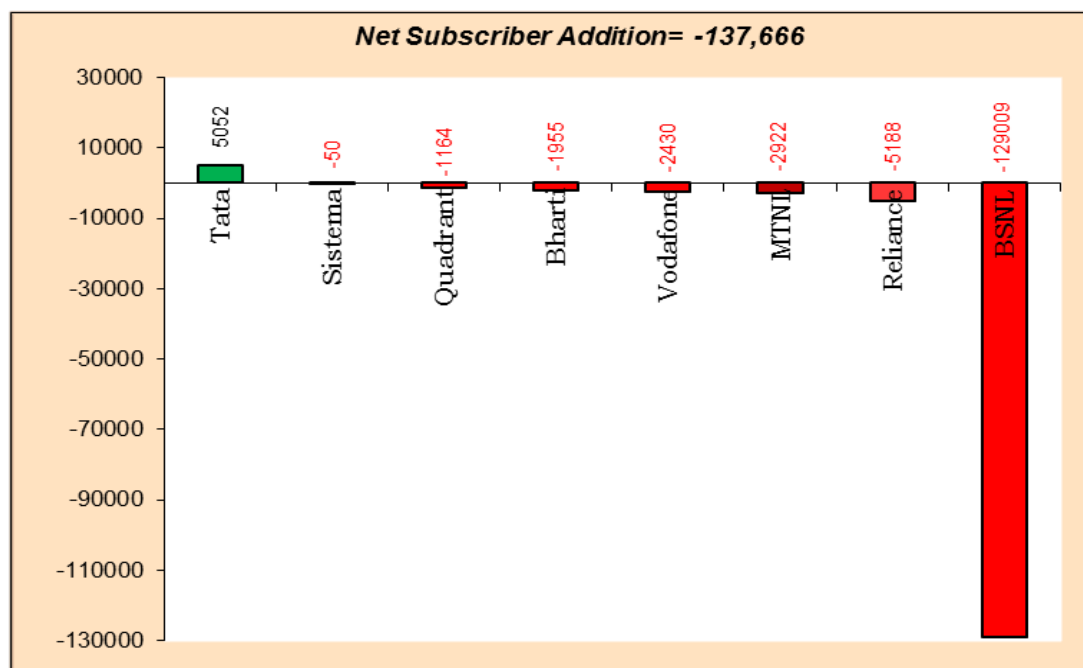
- Wireline subscriber base declined from 27.28 million at the end of October, 2014 to 27.14 million at the end of November, 2014. Net reduction in the wireline subscriber base was 0.14 million at the monthly decline rate of 0.50%. The share of urban and rural subscribers in total wireline subscribers were 80.03% and 19.97% respectively at the end of November, 2014.
- The Overall Wireline Tele-density declined from 2.18 in October, 2014 to 2.17 in November, 2014, with Urban Wireline Tele-density and Rural Wireline Tele-density being 5.63 and 0.63 respectively. BSNL and MTNL, the two PSU access service providers, held 75.96% 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 November, 2014 are given below:

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



Net Additions/declines in Wireline Subscriber Bases of Access Service Providers in the Month of November, 2014



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

VII. Category-wise Growth

Circle Category-wise Net Additions in Telephone Subscribers

Circle Category	Net additions in the month of November, 2014		Telephone Subscriber base as on 30 th November, 2014	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-52539	-104917	10753538	335670297
Circle B	-67995	1210484	7791057	369993977
Circle C	-5478	460901	1410480	133957663
Metro	-11654	143735	7189924	97434043
All India	-137,666	1,710,203	27,144,999	937,055,980

Circle Category-wise Growth Rates in Telephone Subscribers

Circle Category	Monthly growth rate (%) (Oct-14 to Nov-14)		Yearly growth rate (%) (Nov-13 to Nov-14)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.49	-0.03	-6.09	6.41
Circle B	-0.87	0.33	-11.54	6.09
Circle C	-0.39	0.35	-6.69	8.12
Metro	-0.16	0.15	-0.64	4.74
All India	-0.50	0.18	-6.41	6.35

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

- As can be seen in the above tables, in wireless segment, the Circles of Category-B showed the highest net addition and Circles in Category-C showed the highest monthly growth rate of subscriber base in the month of November, 2014. Circles in Category-A showed the decline in wireless subscriber base in this month.

- In Wireline segment, Circles of Category-B showed the highest net decline and the highest monthly decline rate of subscriber base in the month of November, 2014.

VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 79.21 Million at the end of October, 2014 to 82.22 million at the end of November, 2014 with monthly growth rate of 3.79%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment-wise Broadband Subscribers and Monthly Growth Rates

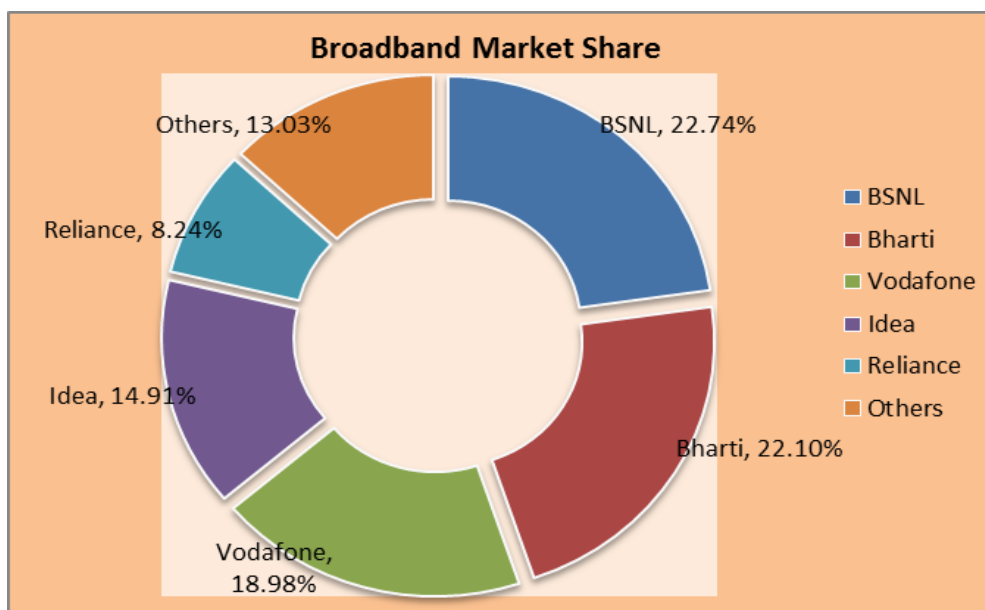
Segment	Broadband subscribers (in million)		Monthly growth rate (%)
	As on 31st October, 2014	As on 30th November, 2014	
Wired subscribers	15.15	15.23	0.53
Mobile devices users (Phones and dongles)	63.65	66.56	4.57
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.42	0.43	3.52
Total	79.21	82.22	3.79

- Top five service providers constituted 86.97% market share of total broadband subscribers at the end of november, 2014. These service providers were BSNL (18.70 million), Bharti Airtel (18.17 million), Vodafone (15.61 million), Idea Cellular Ltd* (12.26 million) and Reliance Communications Group* (6.77 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 November, 2014, the top five Wired Broadband Service providers were BSNL (9.98 million), Bharti Airtel (1.40 million), MTNL (1.13 million), Beam Telecom (0.44 million) and YOU Broadband (0.42 million).
- As on 30th November, 2014, the top five Wireless Broadband Service providers were Bharti Airtel (16.77 million), Vodafone (15.60 million), Idea Cellular (12.25 million), BSNL (8.72 million) and Reliance Communications Group (6.67 million).

Contact details in case of any clarification:

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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	
	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14
Andhra Pradesh	20728240	20832753	4871442	5023739	6732081	6871578	6220402	6277277	13293456	13446612	2245654	2286045	10003288	10027260
Assam	4808185	4847105	2200797	2248831	2976034	3031721			678137	697733	4063771	4138943	1293057	1287139
Bihar	23092031	23191369	9702627	8616090	7785531	7818709	2424477	2395429	7310998	7514327	5532012	5594229	3022129	2976607
Delhi	10809789	10906638	7996876	8230571	9329087	9422485	2853769	2848558	5763920	5828160	4599984	4636511		
Gujarat	7525649	7706133	6127623	4381759	18101782	18318531	3138630	3172546	10238735	10442414	18563	18563	3214741	3196826
Haryana	2440813	2465205	1961204	2004595	4969359	5049313	2698863	2762048	4303654	4367391	3592	3092	3209948	3041779
Himachal Pradesh	2350562	2367923	1463078	1509838	603947	605423	110564	109456	647155	663239	880960	888475	1443762	1443541
J & K	2823075	2864555	714881	748702	941901	1005737			429252	446005	2363924	2432583	1257237	1248048
Karnataka	17899637	18066466	5117753	5233838	7502504	7547209	6621789	6778703	7416662	7611077	2867276	2906019	6854036	6696468
Kerala	3817903	3836861	1731384	1751021	6933949	6979885	1695903	1704306	9334970	9402654	918	918	7501758	7552801
Kolkata	4026486	4050547	3779793	3581171	4703393	4705244	2950727	2914239	1513344	1547395	3491281	3587634	822836	816192
Madhya Pradesh	11010333	11041339	11968621	12374677	5249161	5543528	4555754	4670372	18485117	18747309	22694	22694	3866270	3855627
Maharashtra	10543618	10748683	6950649	4930324	16381362	16702867	6441052	6530480	20367244	20732134	1713492	1730596	5450941	5369653
Mumbai	4733708	4948556	6030516	5657339	7945624	8217081	3552889	3598669	3664297	3813474	2238261	2306275		
North East	3211140	3236638	821537	847626	1235537	1268466			397365	412397	2643058	2743401	1555043	1547946
Orissa	8387494	8470969	3731698	3907766	3586331	3572613	2248586	2300859	1225149	1271268	3900201	3856863	3450314	3450228
Punjab	7638088	7681798	2983959	3076610	4766553	4823505	2497561	2553967	5989117	6053805	991817	963180	3173631	3189559
Rajasthan	16549809	16774527	5998042	6231195	10370244	10443053	1850254	1835914	6336488	6430333	5296614	5410870	5342965	3597957
Tamil Nadu (incl. Chennai)	15149019	15246007	5823939	6042353	13731357	13855762	5747196	5826456	3565196	3763883	23537020	23571938	9856538	9870801
U.P.(E)	17527273	17708666	7800829	7991740	16559617	16815076	4423427	4528077	8455232	8617594	5832635	5962635	8124813	8086669
U.P.(W)	7155558	7220377	5224115	5122960	10292483	10374515	3761383	3829136	12315182	12406274	134408	151100	3483608	3468334
West Bengal	11182092	11245647	7372461	6622997	14163410	14217495	990217	932744	3680464	3737214	4426517	4545114	2081636	1966795
Total	213410502	215458762	110373824	106135742	174861247	177189796	64783443	65569236	145411134	147952692	76804652	77757678	85008551	82690230
Net Addition		2048260		-4238082		2328549		785793		2541558		953026		-2318321

Wireless Subscriber Base

Annexure-I

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Circle	Group												Total		Net Addition
	MTNL		Telewings		Sistema		Loop		Videocon		Quadrant		Oct-14	Nov-14	
	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	
Andhra Pradesh			5243542	5323081									69338105	70088345	750240
Assam													16019981	16251472	231491
Bihar			6183225	6378866									65053030	64485626	-567404
Delhi	2319118	2320669			1009532	1013358							44682075	45206950	524875
Gujarat			6299242	6604135	181095	185525			2094217	2151209			56940277	56177641	-762636
Haryana									1714613	1762459			21302046	21455882	153836
Himachal Pradesh													7500028	7587895	87867
J & K													8530270	8745630	215360
Karnataka					1708366	1674941							55988023	56514721	526698
Kerala					406717	402289							31423502	31630735	207233
Kolkata					672032	669839							21959892	21872261	-87631
Madhya Pradesh									2304495	2329924			57462445	58585470	1123025
Maharashtra			7272234	7019619									75120592	73764356	-1356236
Mumbai	1089876	1107555					1393170	705883					30648341	30354832	-293509
North East													9863680	10056474	192794
Orissa													26529773	26830566	300793
Punjab											2424857	2446528	30465583	30788952	323369
Rajasthan					2200150	2199394							53944566	52923243	-1021323
Tamil Nadu (incl. Chennai)					977952	948034							78388217	79125234	737017
U.P.(E)			9727720	9742641									78451546	79453098	1001552
U.P.(W)			7509890	7361021	202164	195895							50078791	50129612	50821
West Bengal					1758217	1758979							45655014	45026985	-628029
Total	3408994	3428224	42235853	42429363	9116225	9048254	1393170	705883	6113325	6243592	2424857	2446528	935345777	937055980	1710203
Net Addition		19230		193510		-67971		-687287		130267		21671		1710203	

Proportion of VLR on the date of Peak VLR in the month of Nov-14 (%)													Annexure-II	
Circle	Aircel	Bharti	BSNL	Quadrant	Idea*	Loop	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	69.23	99.40	63.02		99.96			98.97		74.88	71.46		87.14	87.76
Assam	83.66	97.88	80.50		91.34			91.56					93.67	90.94
Bihar	73.09	96.94	64.41		100.45			99.10		53.08	74.07		96.95	90.18
Delhi	67.65	83.37			92.66		50.90	98.42	47.35	57.54			102.47	85.58
Gujarat	53.40	94.90	85.68		103.95			99.22	79.07	66.81	68.94	48.54	93.73	89.53
Haryana	212.32	98.50	52.87		99.39			98.87		74.75		51.49	96.24	84.81
Himachal Pradesh	59.12	95.16	78.72		104.11			94.17		33.15			101.90	88.04
J & K	80.67	95.52	72.55		91.88			60.08					72.71	82.27
Karnataka	59.16	99.42	59.51		101.71			99.17	63.87	78.59			89.97	88.09
Kerala	398.91	97.79	75.02		102.46			97.31	59.02	75.73			91.21	90.59
Kolkata	73.67	94.18	86.88		89.48			97.86	90.38	72.46			98.00	88.62
Madhya Pradesh	2.35	94.26	79.14		104.49			93.62		73.59		56.04	86.21	92.44
Maharashtra	62.35	99.18	84.35		104.07			99.25		72.70	73.36		97.82	93.51
Mumbai	61.32	92.79			92.05	93.99	75.72	99.07		69.28			85.73	86.18
North East	67.36	97.04	64.74		87.04			84.28					84.09	80.85
Orissa	61.99	96.21	84.45		94.38			97.86		67.90			89.07	86.56
Punjab	51.51	95.22	75.34	56.34	101.96			99.01		66.26			93.10	87.67
Rajasthan	66.51	95.07	74.23		103.45			99.27	59.23	92.91			96.99	91.06
Tamil Nadu (incl. Chennai)	57.57	96.89	48.86		80.10			93.87	65.31	64.25			96.24	75.26
U.P. (E)	66.20	97.40	57.83		104.44			99.17		61.89	78.85		98.42	87.89
U.P. (W)	71.09	92.68	71.60		99.42			99.23	55.75	66.12	74.38		94.88	89.09
West Bengal	73.41	95.87	78.93		101.16			98.69	66.51	31.44			96.64	91.48
Total	65.50	96.07	67.88	56.34	100.89	93.99	58.92	97.37	63.44	69.50	73.98	52.17	94.65	87.98

*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				
	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14	Oct-14	Nov-14			
Andhra Pradesh	1564976	1552976			121364	119635	83431	82251	164190	163871					8,730	8,610	1942691	1927343	-15348
Assam	178603	177874													1,290	1,260	179893	179134	-759
Bihar	356308	355375					6100	6100	12047	12058					720	660	375175	374193	-982
Delhi			1604091	1604326	1204127	1200459	180976	181063	115826	117080					19,650	19,320	3124670	3122248	-2422
Gujarat	1361236	1352573			60196	60609	83492	82711	80077	80417					2,250	1,890	1587251	1578200	-9051
Haryana	411,972	399,279			16457	16414	4916	4916	31907	32156					90	60	465342	452825	-12517
Himachal Pradesh	227,980	225,258					4837	4847	2901	2903					90	0	235808	233008	-2800
J & K	158,664	158,018															158664	158018	-646
Karnataka	1444387	1436332			512394	518503	125769	127025	172145	174664					6,210	6,060	2260905	2262584	1679
Kerala	2634522	2609900			48962	48747	40590	38142	14434	14473					540	510	2739048	2711772	-27276
Kolkata	795326	790129			105928	105673	80568	80620	44842	45390					2970	2700	1029634	1024512	-5122
Madhya Pradesh	829233	829556			229487	229269	22363	22388	19194	18649					330	240	1100607	1100102	-505
Maharashtra	1770809	1752721			69742	66832	84673	82593	267198	268398					9,150	9,060	2201572	2179604	-21968
Mumbai			1923545	1920388	350402	350807	236858	236986	525909	524693					10,560	10,290	3047274	3043164	-4110
North East	129,804	129,599													120	120	129924	129719	-205
Orissa	325452	325349					2952	2952	7520	7537					570	570	336494	336408	-86
Punjab	809809	802597			92119	92395	21361	20679	17025	16762	224766	223602			540	390	1165620	1156425	-9195
Rajasthan	739626	731006			39373	39663	22967	23232	9557	9830			54784	54734	1,740	1,680	868047	860145	-7902
Tamil Nadu (incl. Chennai)	2115688	2107111			459540	458987	142908	143257	89432	90422					6090	6030	2813658	2805807	-7851
U.P.(E)	432207	428535			54772	55007	38618	38569	15595	15639					1,110	870	542302	538620	-3682
U.P.(W)	474281	471972			20370	20278	6445	6305	9627	9579					360	360	511083	508494	-2589
West Bengal	461407	457121					1899	1899	3667	3624					30	30	467003	462674	-4329
Total	17222290	17093281	3527636	3524714	3385233	3383278	1191723	1186535	1603093	1608145	224766	223602	54784	54734	73140	70710	27282665	27144999	-137666
Net Addition		-129009		-2922		-1955		-5188		5052		-1164		-50		-2430		-137666	

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.