TELECOM REGULATORY AUTHORITY OF INDIA
New Delhi, 12th March, 2015
(www.trai.gov.in)

Highlights of Telecom Subscription Data as on 31st January, 2015

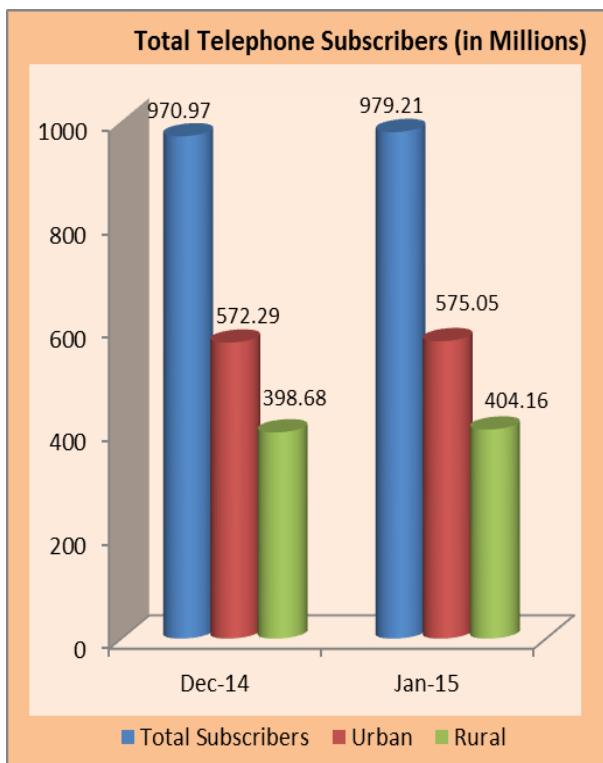| Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	**952.34**	**26.87**	**979.21**
Net Addition in January, 2015 (Million)	8.37	-0.13	8.24
Monthly Growth Rate	0.89%	-0.49%	0.85%
Urban Telephone Subscribers (Million)	**553.45**	**21.60**	**575.05**
Net Addition in January, 2015 (Million)	2.82	-0.06	2.76
Monthly Growth Rate	0.51%	-0.28%	0.48%
Rural Telephone Subscribers (Million)	**398.89**	**5.27**	**404.16**
Net Addition in January, 2015 (Million)	5.56	-0.07	5.48
Monthly Growth Rate	1.41%	-1.36%	1.38%
Overall Tele-density*	**76.02**	**2.14**	**78.16**
Urban Tele-density*	142.96	5.58	148.54
Rural Tele-density*	46.08	0.61	46.69
Share of Urban Subscribers	58.11%	80.38%	58.73%
Share of Rural Subscribers	41.89%	19.62%	41.27%
Broadband Subscribers (Million)	**79.10**	**15.39**	**94.49**

❖ In the month of January, 2015, 3.56 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 142.98 million at the end of December, 2014 to 146.54 million at the end of January, 2015.

❖ Number of active wireless subscribers on the date of peak VLR# in January, 2015 was 842.39 million (88.45% of the total wireless subscriber base).

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* Based on the population projections from Census data published by the Office of Registrar General & Census Commissioner of India.
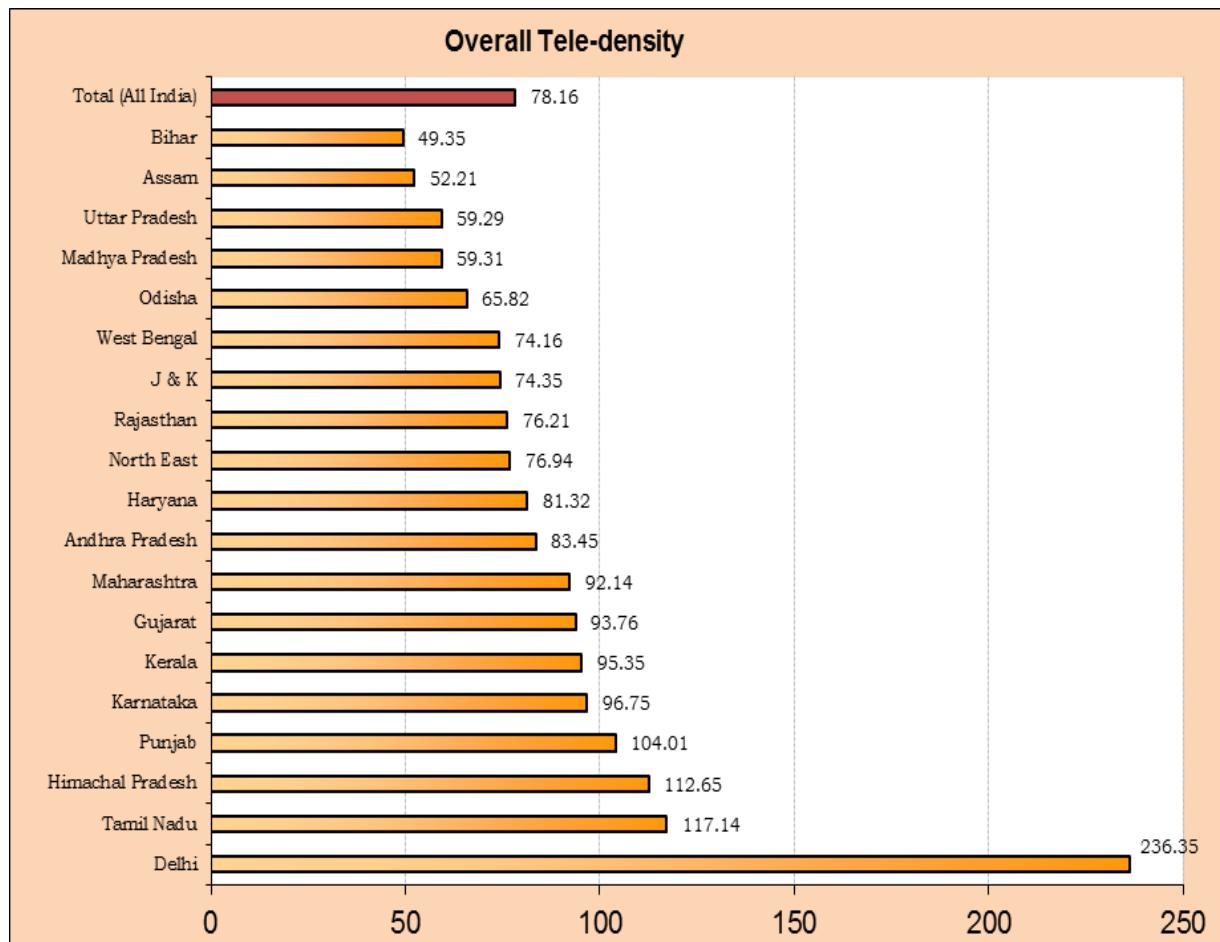\# VLR is acronym of Visitor Location Register.

I. Total Telephone Subscribers

• The number of telephone subscribers in India increased from 970.97 million at the end of Dec-14 to 979.21 million at the end of Jan-15, thereby showing a monthly growth rate of 0.85%. The urban subscription increased from 572.29 million at the end of Dec-14 to 575.05 million at the end of Jan-15 and the rural subscription increased from 398.68 million to 404.16 million during the same period. The monthly growth rates of urban and rural subscription were 0.48% and 1.38% respectively.

Total Telephone Subscribers (in Millions)

	Dec-14	Jan-15
Total Subscribers	970.97	979.21
Urban	572.29	575.05
Rural	398.68	404.16

Overall Tele-density

	Dec-14	Jan-15
Overall	77.58	78.16
Urban	148.06	148.54
Rural	46.09	46.69

• The overall Tele-density in India increased from 77.58 at the end of Dec-14 to 78.16 at the end of Jan-15. The Urban Tele-density increased from 148.06 to 148.54 and Rural Tele-density increased from 46.09 to 46.69 in the month of Jan-15. The shares of urban subscribers and rural subscribers at the end of Jan-15 were 58.73% and 41.27% respectively.

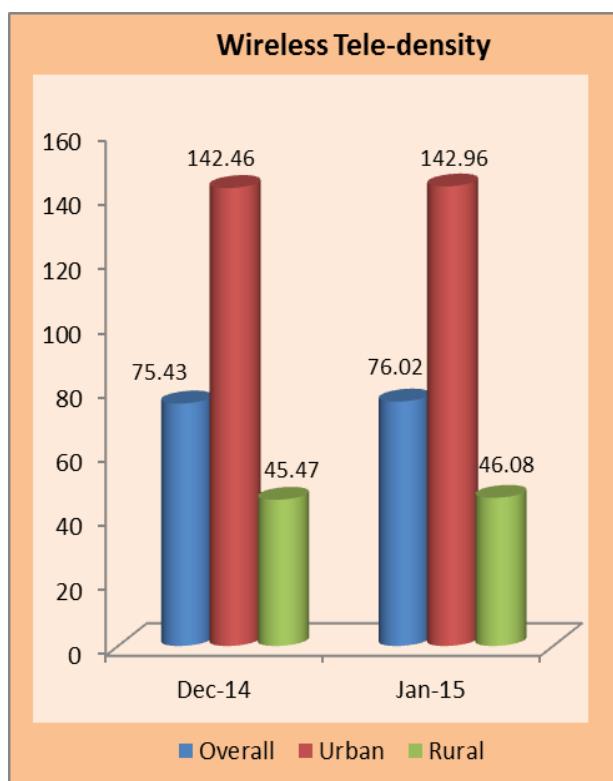## Overall Tele-density (Circle/State Wise) – As on 31st January, 2015

Overall Tele-density

Circle/State	Tele-density
Total (All India)	78.16
Bihar	49.35
Assam	52.21
Uttar Pradesh	59.29
Madhya Pradesh	59.31
Odisha	65.82
West Bengal	74.16
J & K	74.35
Rajasthan	76.21
North East	76.94
Haryana	81.32
Andhra Pradesh	83.45
Maharashtra	92.14
Gujarat	93.76
Kerala	95.35
Karnataka	96.75
Punjab	104.01
Himachal Pradesh	112.65
Tamil Nadu	117.14
Delhi	236.35

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.
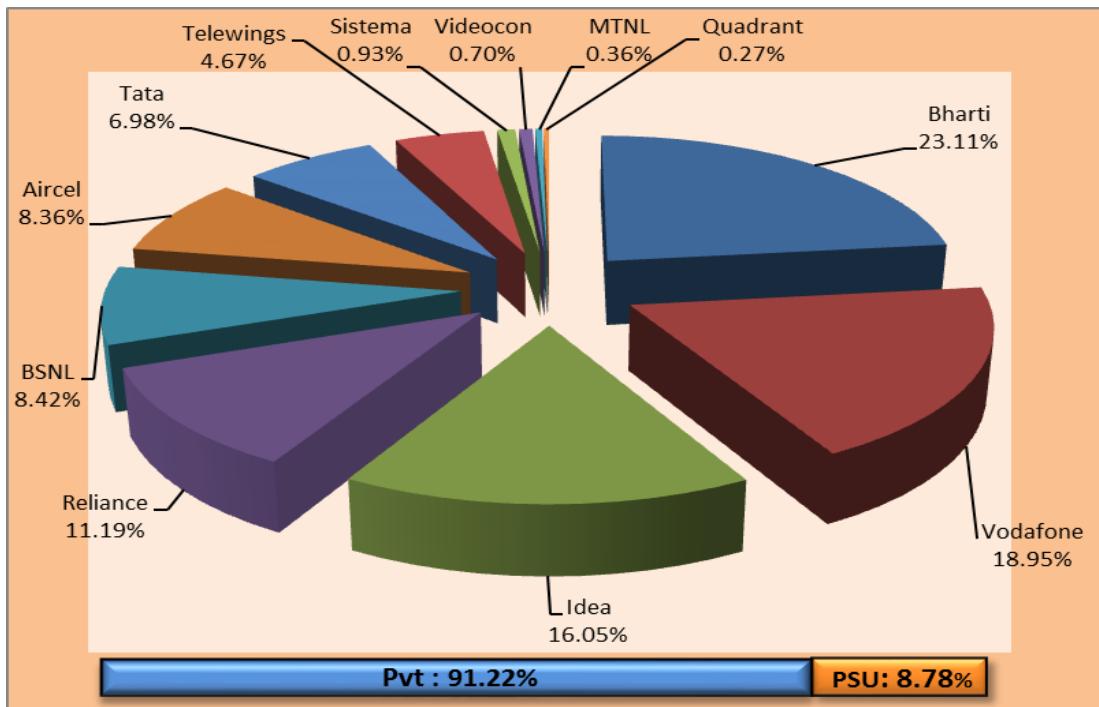
II. Wireless Subscribers

- Total wireless subscriber base increased from 943.97 million at the end of Dec-14 to 952.34 million at the end of Jan-15, thereby registering a monthly growth rate of 0.89%. The Wireless subscription in urban areas increased from 550.64 million at the end of Dec-14 to 553.45 million at the end of Jan-15 and wireless subscription in rural areas increased from 393.34 million to 398.89 million during the same period. The monthly growth rates of urban and rural wireless subscription were 0.51% and 1.41% respectively.

Total Wireless Subscribers (in Millions)

Dec-14: Total Subscribers 943.97, Urban 550.64, Rural 393.34
Jan-15: Total Subscribers 952.34, Urban 553.45, Rural 398.89

Wireless Tele-density

Dec-14: Overall 75.43, Urban 142.46, Rural 45.47
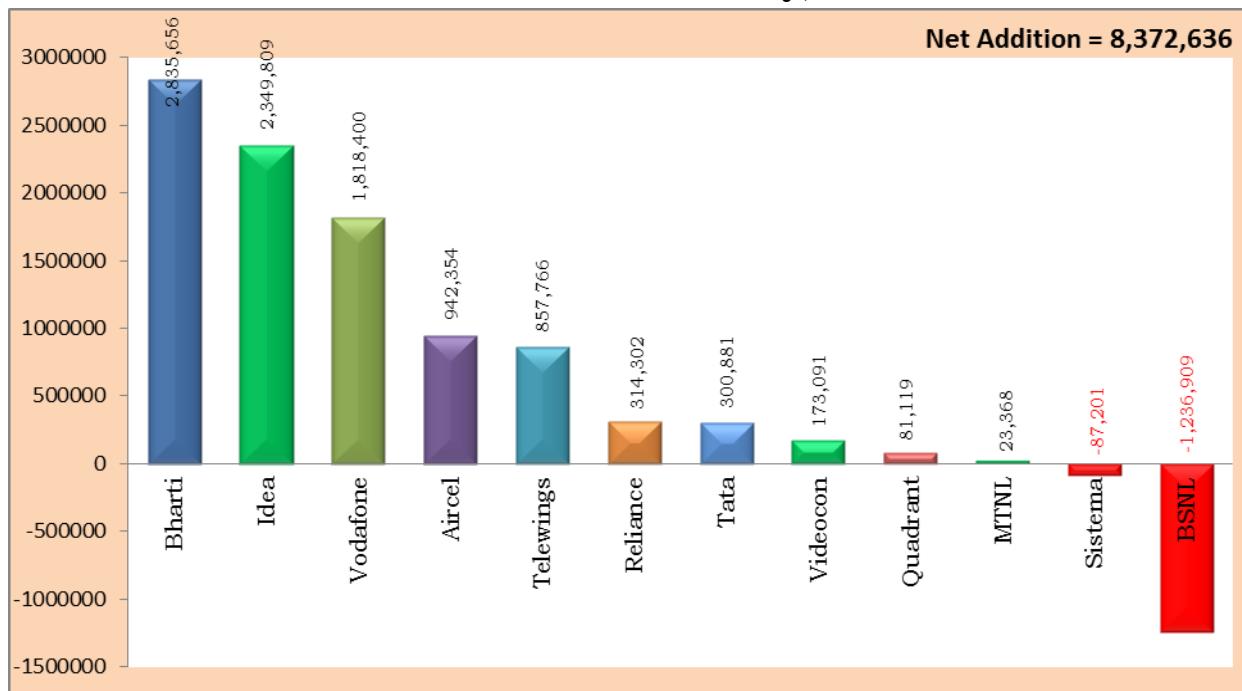Jan-15: Overall 76.02, Urban 142.96, Rural 46.08

- The Wireless Tele-density in India increased from 75.43 at the end of Dec-14 to 76.02 at the end of Jan-15. The Urban Wireless Tele-density increased from 142.46 to 142.96 and Rural Wireless Tele-density increased from 45.47 to 46.08 in the month of Jan-15. The shares of urban and rural wireless subscribers were 58.11% and 41.89% respectively at the end of Jan-15. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 31st January, 2015, the private access service providers held 91.22% market share of the wireless subscribers whereas BSNL and MTNL, the two PSUs access service providers, held only 8.78% market share. The graphical representations of access service provider-wise market shares and net additions in wireless subscriber bases are given below:

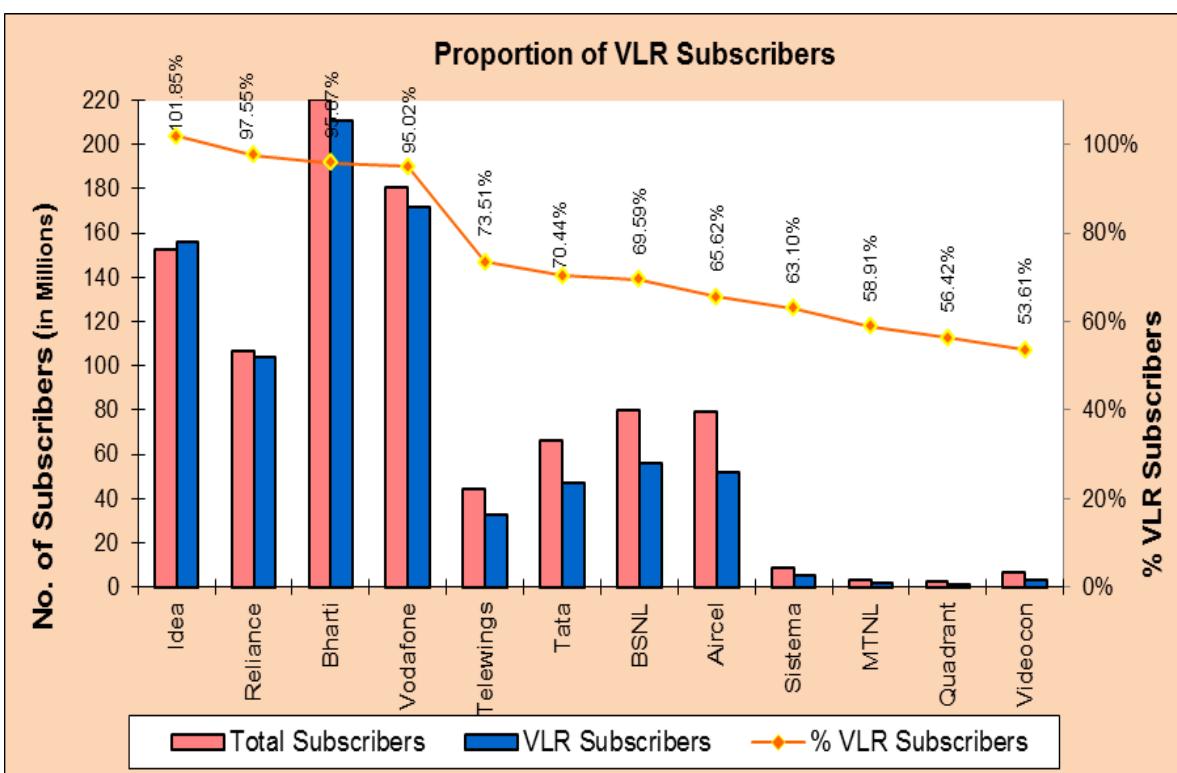**Access Service Provider-wise Market Shares in the Wireless Subscribers as on 31st January, 2015**

Net Additions in Wireless Subscriber Bases of Access Service Providers in the Month of January, 2015

III. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscriber base (952.34 million), 842.39 million wireless subscribers were active on the date of peak VLR in the month of Jan-15. The proportion of active wireless subscribers was approximately 88.45% 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 Jan-15 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.
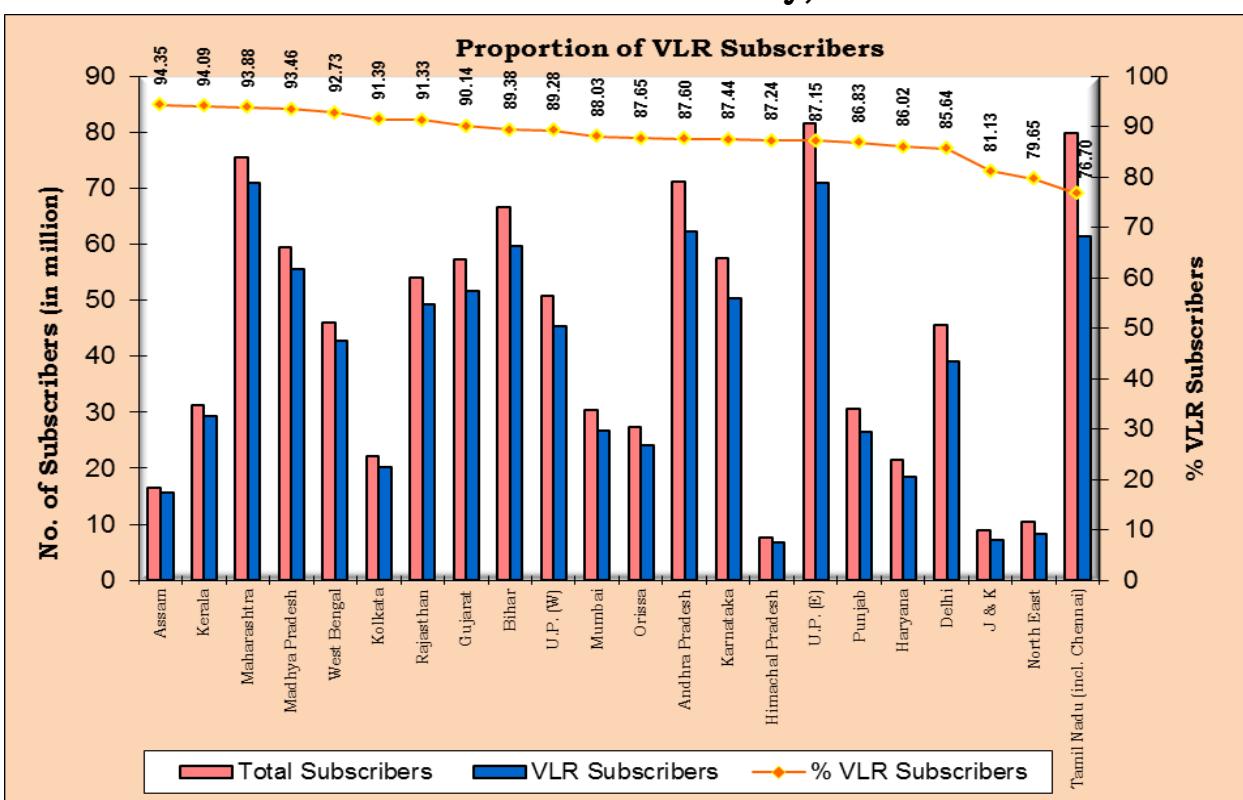
Access Service Provider-wise Proportion of VLR Subscribers In the Month of January, 2015

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.

Proportion of VLR Subscribers (Service Area-wise) in the Month of January, 2015

Proportion of VLR Subscribers

Values along the % VLR Subscribers line (left to right): 94.35, 94.09, 93.88, 93.46, 92.73, 91.39, 91.33, 90.14, 89.38, 89.28, 88.03, 87.65, 87.60, 87.44, 87.24, 87.15, 86.83, 86.02, 85.64, 81.13, 79.65, 76.70

Service areas: Assam, Kerala, Maharashtra, Madhya Pradesh, West Bengal, Kolkata, Rajasthan, Gujarat, Bihar, U.P. (W), Mumbai, Orissa, Andhra Pradesh, Karnataka, Himachal Pradesh, U.P. (E), Punjab, Haryana, Delhi, J & K, North East, Tamil Nadu (incl. Chennai)

Legend: Total Subscribers, VLR Subscribers, % VLR Subscribers

IV. Growth in Wireless Subscribers

Monthly Growth Rate of Wireless Subscribers (Access Service Provider-wise) in the Month of January, 2015

Provider	Growth Rate
Quadrant	3.23%
Videocon	2.68%
Telewings	1.97%
Idea	1.56%
Bharti	1.31%
Aircel	1.20%
Vodafone	1.02%
MTNL	0.68%
Tata	0.45%
Reliance	0.30%
Sistema	-0.97%
BSNL	-1.52%

Monthly Growth Rate of Wireless Subscribers (Service Area-wise) in the Month of January, 2015

- Bihar service area recorded the highest growth rate in wireless subscribers during the month of Jan-15, whereas Haryana and Punjab service areas showed decline in subscriber base during the month.

V. Mobile Number Portability

- In the month of Jan-15, a total of 3.56 million subscribers submitted their requests for MNP. With this, the cumulative MNP requests increased from 142.98 million at the end of Dec-14 to 146.54 million at the end of Jan-15.

- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 14.15 million) followed by Gujarat (about 12.00 million). In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 16.80 million) followed by Andhra Pradesh (about 13.90 million).

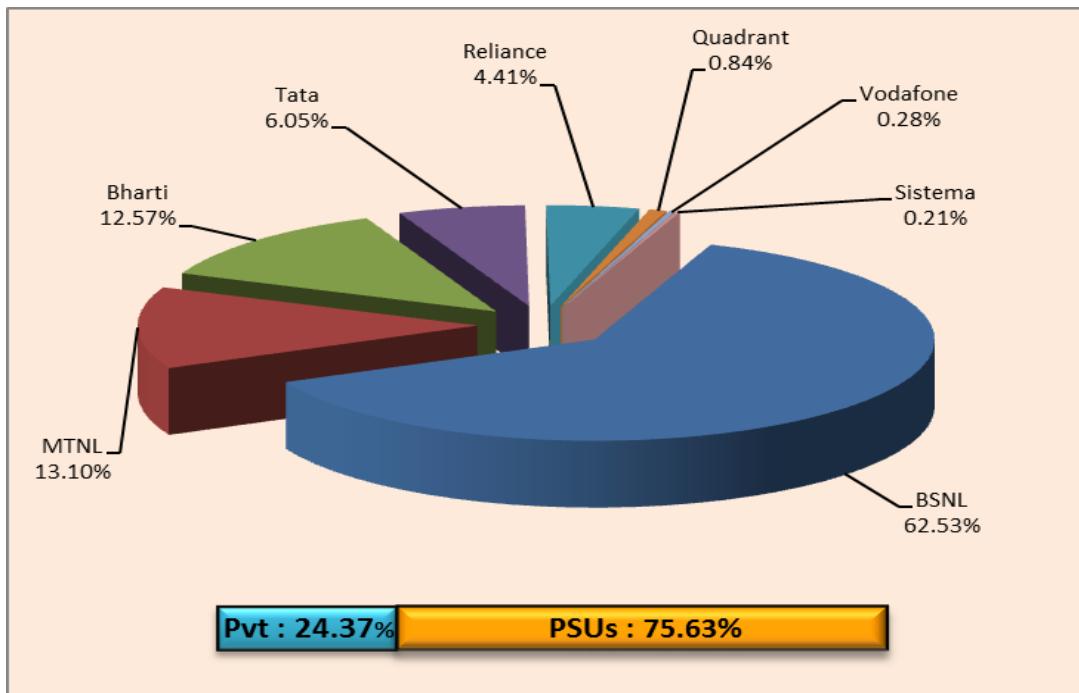- The status of MNP requests in various service areas is given below:

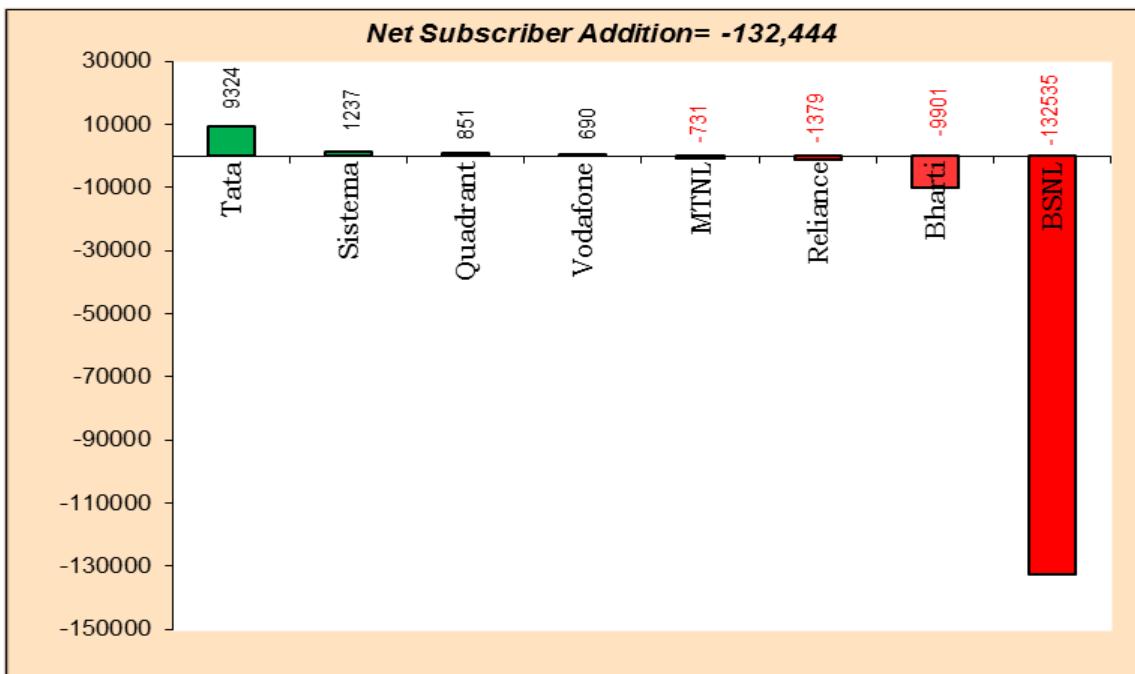| MNP Requests (Service Area-wise) at the end of January, 2015			
Zone -1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	5711084	Andhra Pradesh	13903409
Gujarat	12002433	Assam	475895
Haryana	5388729	Bihar	3319682
Himachal Pradesh	501264	Karnataka	16803920
Jammu & Kashmir	33156	Kerala	5199871
Maharashtra	11145231	Kolkata	3386728
Mumbai	8068086	Madhya Pradesh	8709050
Punjab	5080820	North East	258500
Rajasthan	14145790	Orissa	2969564
Uttar Pradesh - East	7499235	Tamil Nadu	8919837
Uttar Pradesh - West	7362913	West Bengal	5659016
Total	**76,938,741**	**Total**	**69,605,472**
Total (Zone-1+Zone-2)			**146,544,213**
Net Addition (in January, 2015)			**3,560,907**

VI. Wireline Subscribers

- Wireline subscriber base declined from 27.00 million at the end of Dec-14 to 26.87 million at the end of Jan-15. Net reduction in the wireline subscriber base was 0.13 million at the monthly decline rate of 0.49%. The share of urban and rural subscribers in total wireline subscribers were 80.38% and 19.62% respectively at the end of Jan-15.

- The Overall Wireline Tele-density declined from 2.16 in Dec-14 to 2.14 in Jan-15, with Urban Wireline Tele-density and Rural Wireline Tele-density being 5.58 and 0.61 respectively. BSNL and MTNL, the two PSU access service providers, held 75.63% 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 Jan-15 are given below:

Access Service Provider-wise Market Shares in the Wireline Subscribers as on 31st January, 2015

Net Additions/declines in Wireline Subscriber Bases of Access Service Providers in the Month of January, 2015

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

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VII. Category-wise Growth

Circle Category-wise Net Additions in Telephone Subscribers

Circle Category	Net additions in the month of January, 2015		Telephone Subscriber base as on 31st January, 2015	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-51802	2210770	10657302	341370026
Circle B	-58526	3195696	7647570	375200502
Circle C	-5876	2273421	1396596	137713004
Metro	-16240	692749	7166193	98060687
All India	**-132,444**	**8,372,636**	**26,867,661**	**952,344,219**

Circle Category-wise Growth Rates in Telephone Subscribers

Circle Category	Monthly growth rate (%) (Dec-14 to Jan-15)		Yearly growth rate (%) (Jan-14 to Jan-15)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.48	0.65	-6.20	6.30
Circle B	-0.76	0.86	-11.32	5.98
Circle C	-0.42	1.68	-7.22	10.53
Metro	-0.23	0.71	-0.95	4.84
All India	**-0.49**	**0.89**	**-6.46**	**6.61**

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 Jan-15.

- 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 Jan-15.

VIII. Broadband (≥ 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 85.74 Million at the end of Dec-14 to 94.49 million at the end of Jan-15 with monthly growth rate of 10.21%. Segment-wise broadband subscribers and their monthly growth rates are as below:

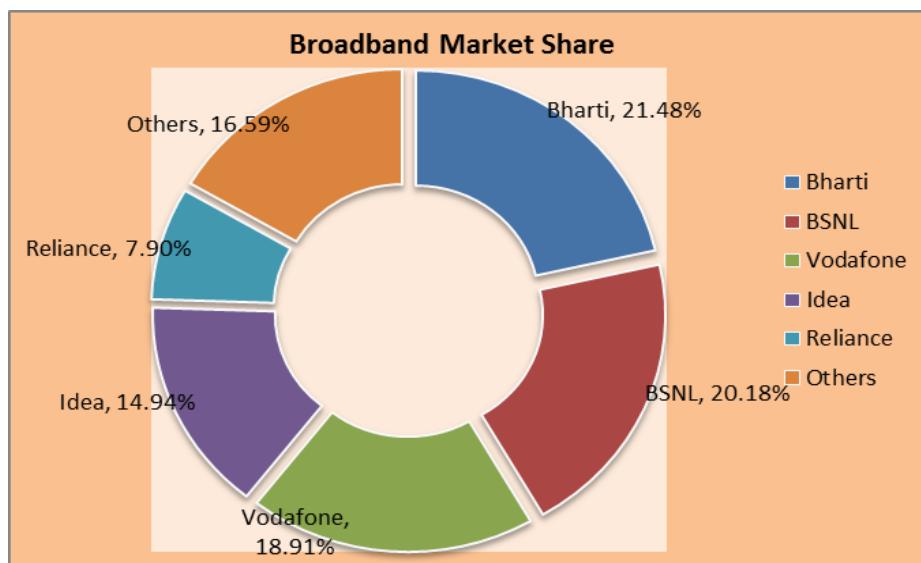**Segment–wise Broadband Subscribers and Monthly Growth Rates**

Segment	Broadband subscribers (in million)		Monthly growth rate (%)
	As on 31st December, 2014	As on 31st January, 2015	
Wired subscribers	15.32	15.39	0.49
Mobile devices users (Phones and dongles)	69.99	78.66	12.38
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.43	0.44	1.59
Total	**85.74**	**94.49**	**10.21**

- Top five service providers constituted 83.41% market share of total broadband subscribers at the end of Jan-15. These service providers were Bharti Airtel (20.29 million), BSNL (19.07 million), Vodafone (17.86 million), Idea Cellular Ltd* (14.12 million) and Reliance Communications Group* (7.47 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 31st January, 2015, the top five <u>Wired</u> Broadband Service providers were BSNL (9.98 million), Bharti Airtel (1.42 million), MTNL (1.14 million), Atria Convergence Technologies (0.63 million) and YOU Broadband (0.43 million).

- As on 31st January, 2015, the top five <u>Wireless</u> Broadband Service providers were Bharti Airtel (18.87 million), Vodafone (17.86 million), Idea Cellular (14.12 million), BSNL (9.09 million) and Reliance Communications Group (7.36 million).

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

| | Wireless Subscriber Base | | | | | | | | | | | | Annexure-I |

						Group							
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
Circle	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15
Andhra Pradesh	21035524	21328630	5011972	5028395	6914336	6926835	6269411	6280091	13646780	13844380	2349727	2520511	9931560	9859314
Assam	4879060	4884700	2256672	2277995	3060613	3087774			728824	764315	4231441	4261340	1276828	1271657
Bihar	23260424	23849576	8745610	8889750	7880695	8034238	2338168	2312825	7764446	8109594	5674192	5805761	2939455	2891359
Delhi	10877042	10882911	8207377	8237210	9468453	9509645	2836590	2827658	5906714	5926430	4713338	4920892		
Gujarat	7789314	7867632	4394383	4506755	18457632	18550413	3214038	3174834	10605791	10760769	18563	18063	3173174	3150284
Haryana	2529358	2532376	2008447	2010954	5061184	5129402	2808972	2833115	4428358	4486991	3092	3092	3067868	2692815
Himachal Pradesh	2384219	2387933	1525691	1542197	587941	592916	107689	104145	674632	678936	907274	956808	1437942	1432395
J & K	2885273	2893773	749221	769102	1050980	1091727			466419	480503	2491798	2504437	1236863	1232521
Karnataka	18359667	18585354	5232449	5243033	7607837	7623894	6894931	6993318	7803337	7838462	2923297	2815789	6730017	6780155
Kerala	3959875	3965172	1756309	1780356	7058734	7136604	1721790	1732089	9494734	9560462	918	918	6745205	6659562
Kolkata	4048302	4075263	3544409	3562603	4747270	4775175	2902369	2867778	1635759	1704589	3634662	3651814	802446	795666
Madhya Pradesh	11084420	11229832	12165082	12204448	5726055	5938431	4755347	4783956	18862565	19006194	22694	22194	3833287	3807421
Maharashtra	10983519	11202688	4967266	4941335	16894186	17057747	6637496	6707056	21101531	21333646	1749377	1791798	5291489	5217778
Mumbai	4997718	5045984	5748946	5801892	8348017	8388149	3627338	3673052	3898068	3964778	2309076	2339170		
North East	3312390	3371375	841141	845746	1280728	1286445			428926	568347	2863557	2876766	1535990	1526248
Orissa	8601791	8786456	3916643	3969356	3583658	3558747	2326360	2358167	1327635	1330295	3909753	3930889	3451231	3446194
Punjab	7634179	7631118	3086923	2685318	4823485	4851574	2618636	2657008	6091118	6112934	967167	973941	3188732	3110946
Rajasthan	16900399	17105957	6232758	6276105	10517333	10866471	1832552	1827768	6525030	6640201	5448995	5575433	3461435	3429150
Tamil Nadu (incl. Chennai)	15341821	15516098	6093994	6138533	13961596	14026321	5965594	6035541	3984325	4143760	23620644	23647946	9855057	9506792
U.P.(E)	17793314	18057918	7922174	8015849	16903807	17114098	4576024	4611059	8750797	8933752	6007873	6102776	8039027	8005708
U.P.(W)	7203729	7205375	5167290	5220659	10424299	10474345	3848265	3846588	12535987	12659083	164141	179773	3438380	3404427
West Bengal	11353704	11644577	6719689	6661157	14316992	14473280	884998	841401	3874282	4037446	4661966	4715788	1948531	1927216
Total	217215042	220050698	106294446	106608748	178675831	180494231	66166568	66467449	150536058	152885867	78673545	79615899	81384517	80147608
Net Addition		2835656		314302		1818400		300881		2349809		942354		-1236909

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Circle	Group										Total		Net Addition
	MTNL		Telewings		Sistema		Videocon		Quadrant		Total		
	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	
Andhra Pradesh			5398219	5417084							70557529	71205240	647711
Assam											16433438	16547781	114343
Bihar			6517410	6749696							65120400	66642799	1522399
Delhi	2325730	2330780			1019213	990880					45354457	45626406	271949
Gujarat			6762644	6814299	194843	195130	2185886	2232733			56796268	57270912	474644
Haryana							1839772	1881278			21747051	21570023	-177028
Himachal Pradesh											7625388	7695330	69942
J & K											8880554	8972063	91509
Karnataka					1627631	1596245					57179166	57476250	297084
Kerala					396432	389139					31133997	31224302	90305
Kolkata					644162	645111					21959379	22077999	118620
Madhya Pradesh							2426766	2511504			58876216	59503980	627764
Maharashtra			7241912	7233658							74866776	75485706	618930
Mumbai	1124939	1143257									30054102	30356282	302180
North East											10262732	10474927	212195
Orissa											27117071	27380104	263033
Punjab									2511405	2592524	30921645	30615363	-306282
Rajasthan					2213549	2220859					53132051	53941944	809893
Tamil Nadu (incl. Chennai)					936486	916927					79759517	79931918	172401
U.P.(E)			10144872	10622568							80137888	81463728	1325840
U.P.(W)			7565877	7651395	194565	192823					50542533	50834468	291935
West Bengal					1753263	1745829					45513425	46046694	533269
Total	3450669	3474037	43630934	44488700	8980144	8892943	6452424	6625515	2511405	2592524	943971583	952344219	8372636
Net Addition		23368		857766		-87201		173091		81119		8372636	

| Proportion of VLR on the date of Peak VLR in the month of Jan-15 (%) | | | | | | | | | | | | | Annexure-II |

Circle	Aircel	Bharti	BSNL	Quadrant	Idea*	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	60.52	98.17	62.21		101.92		97.51		76.06	71.76		88.08	**87.60**
Assam	98.33	95.09	82.97		93.67		91.06					94.99	**94.35**
Bihar	61.51	96.74	64.57		101.42		98.71		55.23	74.02		96.84	**89.38**
Delhi	68.16	85.12			91.91	49.50	97.85	48.46	56.65			102.15	**85.64**
Gujarat	55.94	95.17	86.18		105.12		99.08	57.49	67.71	70.07	51.29	94.06	**90.14**
Haryana	6.92	95.12	59.41		100.18		98.57		75.24		50.89	97.08	**86.02**
Himachal Pradesh	55.51	95.28	79.10		104.00		95.69		33.57			93.97	**87.24**
J & K	79.08	95.45	73.02		93.21		56.84					68.84	**81.13**
Karnataka	62.08	98.86	59.75		102.38		99.16	37.73	78.50			88.77	**87.44**
Kerala	1312.31	95.72	85.16		104.57		94.99	62.02	84.59			91.14	**94.09**
Kolkata	74.31	95.74	89.33		86.09		99.10	161.95	75.25			97.39	**91.39**
Madhya Pradesh	2.19	95.08	78.12		106.77		96.17		74.37		57.72	82.94	**93.46**
Maharashtra	62.36	96.92	86.23		104.10		98.26		73.62	74.68		99.59	**93.88**
Mumbai	65.26	96.89			94.16	78.08	98.84		71.03			87.49	**88.03**
North East	66.11	96.60	65.17		67.19		84.45					85.06	**79.65**
Orissa	63.55	96.48	83.80		97.61		98.87		69.26			92.15	**87.65**
Punjab	49.11	93.35	76.94	56.42	102.58		99.08		63.75			92.78	**86.83**
Rajasthan	64.80	96.74	77.22		104.42		98.92	60.67	94.79			94.16	**91.33**
Tamil Nadu (incl. Chennai)	58.16	95.73	52.45		80.50		95.39	56.06	64.34			100.73	**76.70**
U.P. (E)	66.98	96.39	57.85		105.95		99.06		62.35	74.59		97.39	**87.15**
U.P. (W)	72.76	93.30	70.06		100.02		99.16	51.86	65.79	74.78		95.05	**89.28**
West Bengal	74.14	96.43	79.69		103.79		99.07	66.97	33.53			98.09	**92.73**
Total	**65.62**	**95.87**	**69.59**	**56.42**	**101.85**	**58.91**	**97.55**	**63.10**	**70.44**	**73.51**	**53.61**	**95.02**	**88.45**

*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.

Circle	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone		Total		Net Addition
	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	Dec-14	Jan-15	
Andhra Pradesh	1543551	1530975			119039	119019	81569	80950	162478	161907					8,790	8,850	1915427	1901701	-13726
Assam	176841	176235													1,350	1,350	178191	177585	-606
Bihar	354639	354341					6100	6,100	12228	12370					780	780	373747	373591	-156
Delhi			1605117	1605882	1197003	1196753	181262	180936	119194	121210					20,490	20,580	3123066	3125361	2295
Gujarat	1342812	1335181			60479	60993	82293	81850	80859	81333					2,250	2,250	1568693	1561607	-7086
Haryana	377,796	368,111			16521	16556	4916	4868	32960	33221					90	90	432283	422846	-9437
Himachal Pradesh	221,676	218,461					4847	4847	2885	2930					90	90	229498	226328	-3170
J & K	156,472	155,992															156472	155992	-480
Karnataka	1428963	1418893			527281	531358	128613	129672	175894	177480					6,450	6,480	2267201	2263883	-3318
Kerala	2580135	2553820			49204	49398	37301	36831	14631	15188					570	570	2681841	2655807	-26034
Kolkata	785053	779504			106355	106864	80650	80621	44839	45089					3180	3240	1020077	1015318	-4759
Madhya Pradesh	829250	829284			229809	230281	22597	22676	18882	18962					270	270	1100808	1101473	665
Maharashtra	1730570	1710483			66655	67382	81756	81617	269800	270932					9,360	9,480	2158141	2139894	-18247
Mumbai			1916447	1914951	348587	333087	237094	237277	525642	528379					11,520	11,820	3039290	3025514	-13776
North East	128,710	128,017													120	120	128830	128137	-693
Orissa	324412	323555					2952	2952	7800	7886					570	570	335734	334963	-771
Punjab	794702	789021			92474	92413	20565	20592	16990	16984	224975	225826			510	510	1150216	1145346	-4870
Rajasthan	722587	713463			39951	40201	23434	23218	9946	9670			54954	56191	1,710	1,710	852582	844453	-8129
Tamil Nadu (incl. Chennai)	2098991	2090652			459858	458531	143863	143431	90600	91243					6330	6360	2799642	2790217	-9425
U.P.(E)	415224	413674			55108	55527	38656	38709	15845	15881					1,020	1,020	525853	524811	-1042
U.P.(W)	469000	464728			20098	20158	6274	6216	9815	9963					390	390	505577	501455	-4122
West Bengal	451317	445776					1901	1901	3688	3672					30	30	456936	451379	-5557
Total	16932701	16800166	3521564	3520833	3388422	3378521	1186643	1185264	1614976	1624300	224975	225826	54954	56191	75870	76560	27000105	26867661	-132444
Net Addition		-132535		-731		-9901		-1379		9324		851		1237		690		-132444	

Wireline Subscriber Base — Group — Annexure-III

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.