TELECOM REGULATORY AUTHORITY OF INDIA
New Delhi, 21st November, 2017
(www.trai.gov.in)

Highlights of Telecom Subscription Data as on 30th September, 2017

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	**1183.04**	**23.67**	**1206.71**
Net Addition in September, 2017 (Million)	-2.80	-0.10	-2.90
Monthly Growth Rate	-0.24%	-0.40%	-0.24%
Urban Telephone Subscribers (Million)	**684.77**	**20.12**	**704.89**
Net Addition in September, 2017 (Million)	-2.38	-0.06	-2.44
Monthly Growth Rate	-0.35%	-0.31%	-0.34%
Rural Telephone Subscribers (Million)	**498.28**	**3.55**	**501.82**
Net Addition in September, 2017 (Million)	-0.42	-0.03	-0.46
Monthly Growth Rate	-0.08%	-0.95%	-0.09%
Overall Tele-density*(%)	**91.56**	**1.83**	**93.40**
Urban Tele-density*(%)	168.20	4.94	173.15
Rural Tele-density*(%)	56.31	0.40	56.71
Share of Urban Subscribers	57.88%	85.02%	58.41%
Share of Rural Subscribers	42.12%	14.98%	41.59%
Broadband Subscribers (Million)	**306.85**	**18.04**	**324.89**

❖ In the month of September, 2017, 5.49 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 299.90 million at the end of Aug-17 to 305.39 million at the end of Sep-17, since implementation of MNP. *It is noted that cumulative MNP requests have been crossed the mark of 300 million.*

❖ Number of active wireless subscribers (on the date of peak VLR[#]) in September, 2017 was 1,017.79 million.

Note:

- Information in this Press Release is based on the data provided by the Service Providers
* 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. The dates of peak VLR for various TSPs are different in different service areas.

I.   Total Telephone Subscribers

- The number of telephone subscribers in India slightly declined from 1,209.61 million at the end of Aug-17 to 1,206.71 million at the end of Sep-17, thereby showing a monthly growth rate of -0.24%. The urban subscription declined from 707.33 million at the end of Aug-17 to 704.89 million at the end of Sep-17, and the rural subscription also declined from 502.28 million to 501.82 million during the same period. The monthly growth rates of urban and rural subscription were -0.31% and -0.95% respectively during the month of Sep-17.
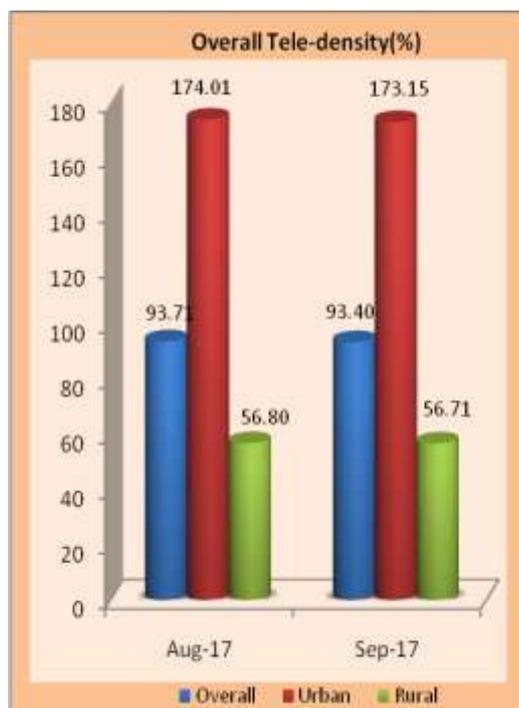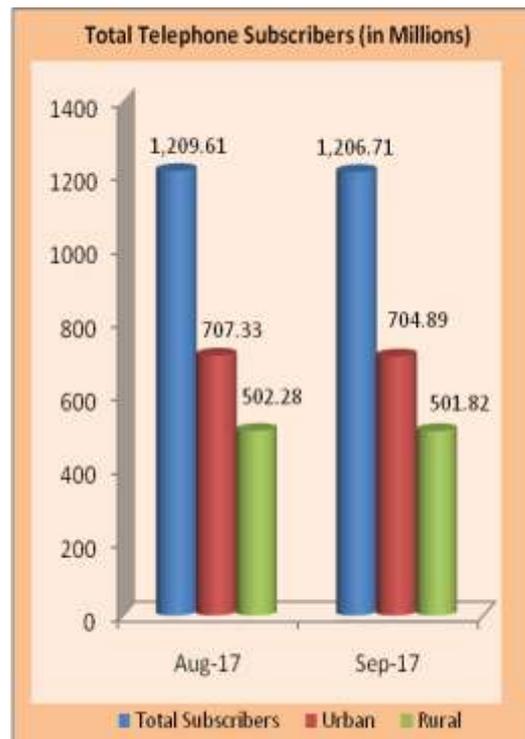
- The overall Tele-density in India declined from 93.71 at the end of Aug-17 to 93.40 at the end of Sep-17. The Urban Tele-density declined from 174.01 at the end of Aug-17 to 173.15 at the end of Sep-17, and the Rural Tele-density declined from 56.80 at the end of Aug-17 to 56.71 at the end of Sep-17. The share of urban subscribers and rural subscribers in total number of telephone subscribers at the end of Sep-17 was 58.41% and 41.59% respectively.

Overall Tele-density (Circle/State Wise) – As on 30th September, 2017

Overall Tele-density (%)

Circle/State	Tele-density (%)
Total (All India)	93.40
Bihar	60.61
Assam	67.55
Madhya Pradesh	68.41
Uttar Pradesh	73.89
Odisha	80.79
Rajasthan	90.60
North East	91.81
Haryana	91.83
West Bengal	93.28
Andhra Pradesh	97.14
J & K	100.56
Gujarat	108.70
Maharashtra	110.07
Karnataka	115.08
Kerala	120.00
Punjab	121.81
Tamil Nadu	130.13
Himachal Pradesh	152.37
Delhi	260.53
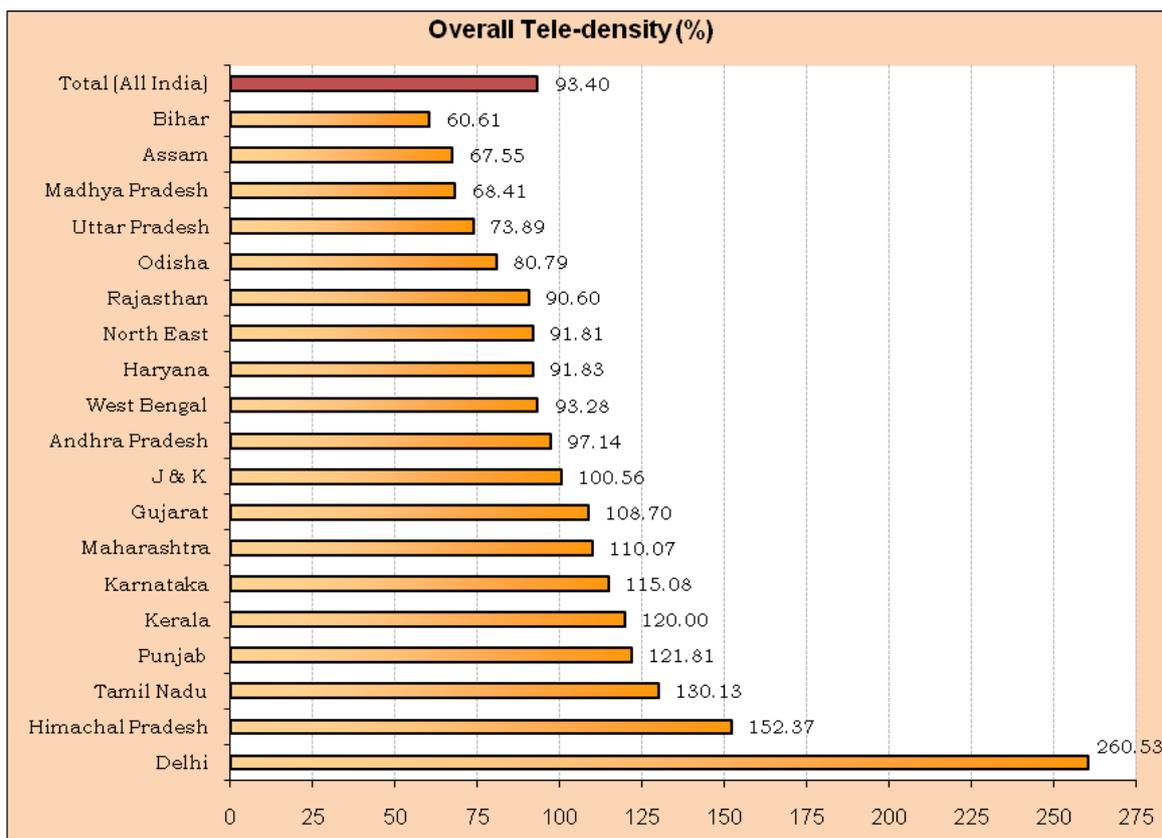
Notes:

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).
4. Data/information for West Bengal includes Kolkata, Maharashtra includes Mumbai, Tamil Nadu includes Chennai and Uttar Pradesh includes UPE & UPW service area(s).
5. Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatishgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura States.

II. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of September, 2017

Circle Category	Net additions in the month of September, 2017		Telephone Subscriber base as on 30th September, 2017	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-32,546	-3,350,933	9,386,632	410,290,677
Circle B	-45,733	203,822	6,114,738	473,277,217
Circle C	-12,155	-233,960	1,067,597	177,499,381
Metro	-5,663	580,768	7,101,460	121,973,650
All India	**-96,097**	**-2,800,303**	**23,670,427**	**1,183,040,925**

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of September, 2017

| Circle Category	Monthly growth rate (%) (Aug-17 to Sep-17)		Yearly growth rate (%) (Sep-16 to Sep-17)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.35	-0.81	-2.73	11.51
Circle B	-0.74	0.04	-7.11	12.62
Circle C	-1.13	-0.13	-9.49	12.31
Metro	-0.08	0.48	0.28	17.82
All India	**-0.40**	**-0.24**	**-3.36**	**12.70**

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, only Circles of Category-B and Metro Circles showed positive monthly growth rate in subscriber base during the month of Sep-17. However, Circles of Category-A and Category-C showed negative monthly growth in wireless subscriber base during the same period.

- In Wireline segment, Circles of Category-B showed maximum monthly net decline in number of subscribers during the month of Sep-17. However, Circles of Category-C showed maximum monthly decline rate in wireline subscriber base during the same period.

III. Wireless Subscribers

• Total wireless subscribers (GSM, CDMA & LTE) declined from 1,185.84 million at the end of Aug-17 to 1,183.04 million at the end of Sep-17, thereby registering a monthly growth rate of -0.24%. The Wireless subscription in urban areas declined from 687.14 million at the end of Aug-17 to 684.77 million at the end of Sep-17, and wireless subscription in rural areas also declined from 498.70 million to 498.28 million during the same period. The monthly growth rates of urban and rural wireless subscription were -0.35% and -0.08% respectively.
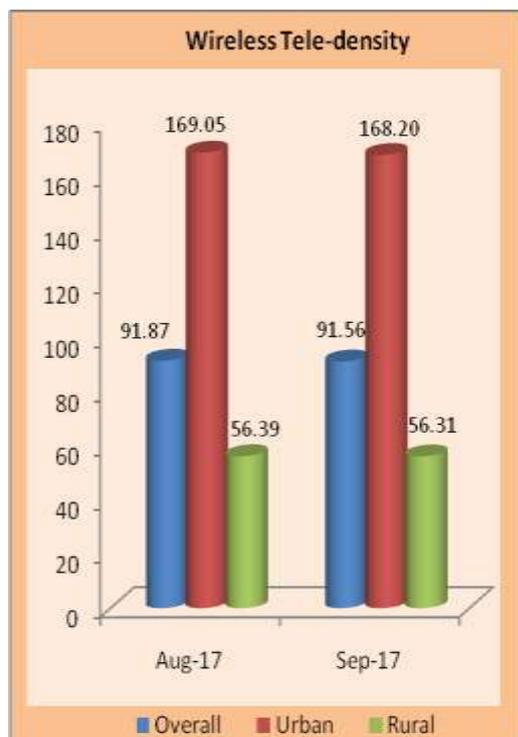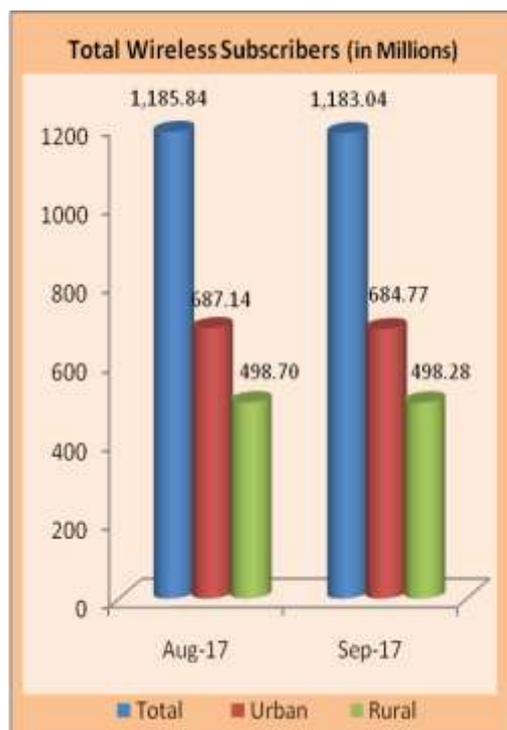

• The Wireless Tele-density(%) in India declined from 91.87 at the end of Aug-17 to 91.56 at the end of Sep-17. The Urban Wireless Tele-density declined from 169.05 at the end of Aug-17 to 168.20 at the end of Sep-17, and Rural Wireless Tele-density declined from 56.39 to 56.31 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 57.88% and 42.12% respectively at the end of Sep-17. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

• As on 30th September, 2017, the private access service providers held 90.75% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 9.25%.

- The graphical representation of access service provider-wise market share and net additions in wireless subscriber base are given below:

Access Service Provider-wise Market Shares in term of Wireless Subscribers as on 30th September, 2017
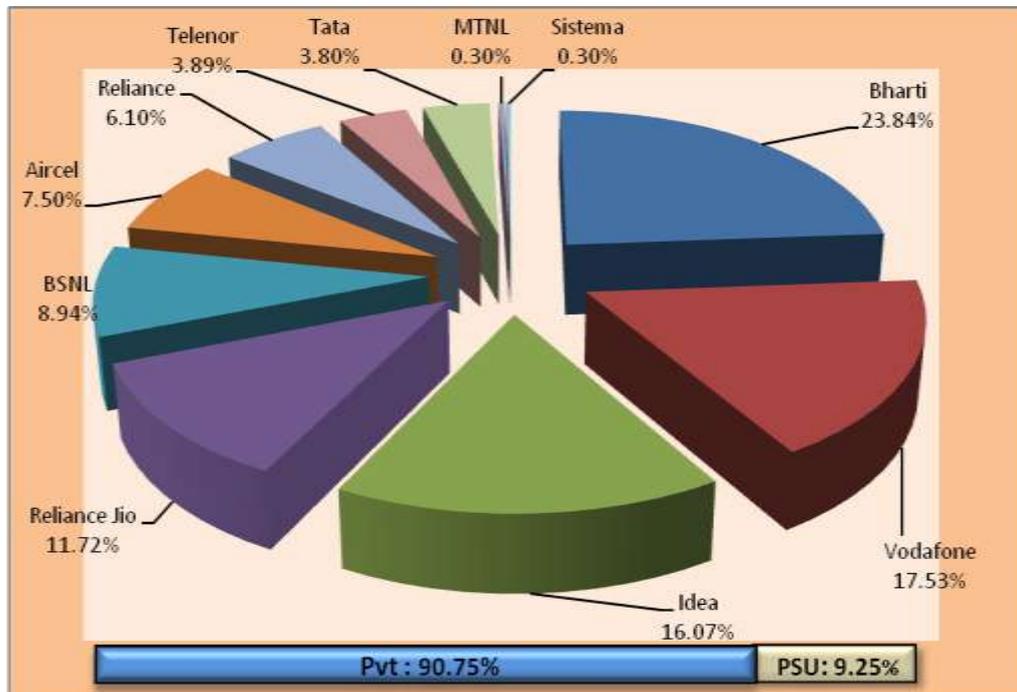
Net Additions* in Wireless Subscribers of Access Service Providers in the Month of September, 2017
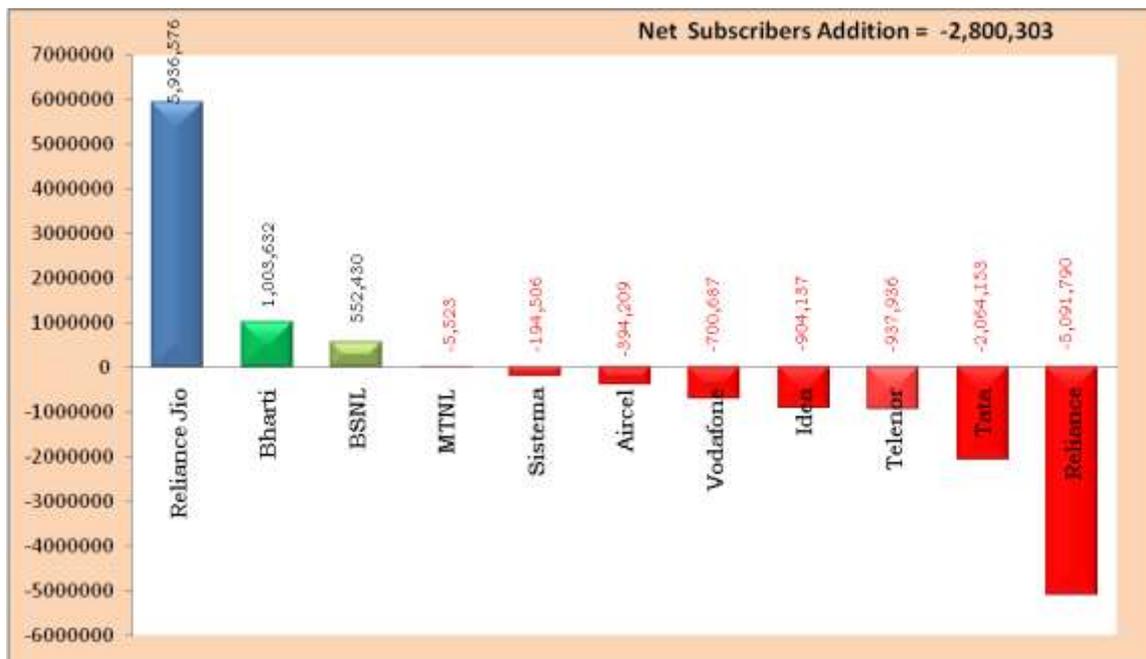
*Note: On noticing that while reporting number of subscribers, some of the TSPs were deducting inactive subscribers. A Direction was issued on 18th August 2017 to TSPs to strictly adhere to the Department of Telecommunications' methodology for reporting their number of subscribers. However, some of the Telecom Service Providers are yet to comply with the Direction.

IV. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscribers (1,183.04 million), 1,017.79 million wireless subscribers were active on the date of peak VLR in the month of Sep-17. The proportion of active wireless subscribers was approximately 86.03% 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 Sep-17 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

Access Service Provider-wise Percentage of VLR Subscribers in the Month of September, 2017
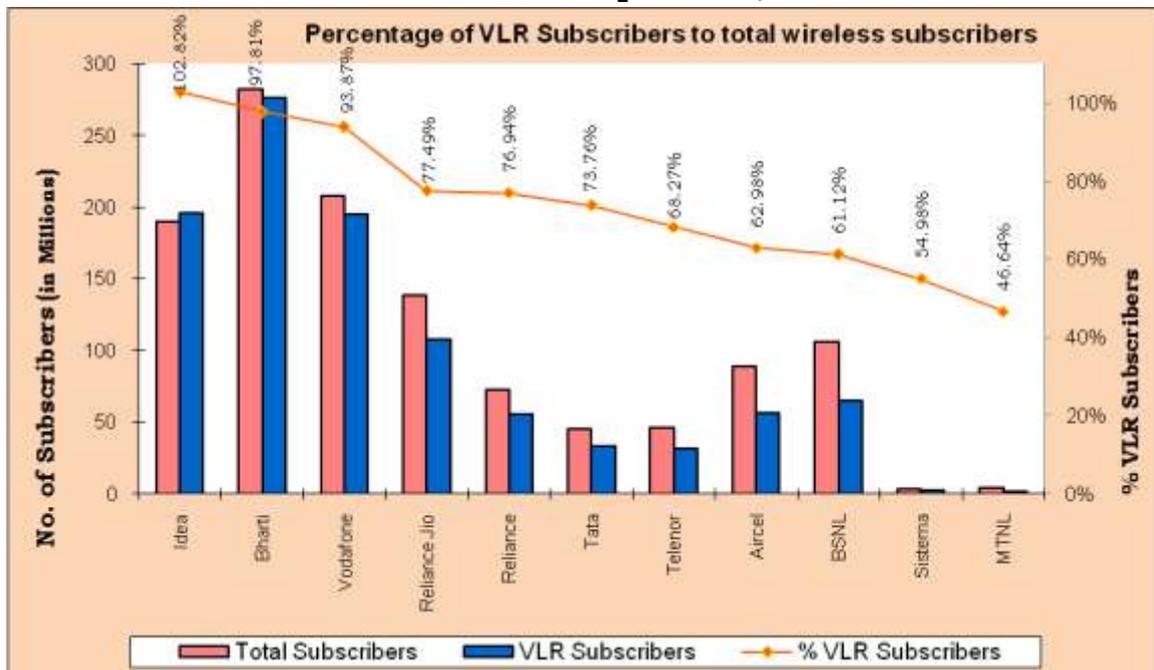
Note-

1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.

**Service Area wise percentage of VLR Subscribers
in the Month of September, 2017**

Percentage of VLR Subscribers to total wireless subscribers

Data labels (% VLR Subscribers): Maharashtra 91.30, Madhya Pradesh 90.43, Andhra Pradesh 88.42, West Bengal 88.41, Kerala 87.97, Bihar 87.72, Karnataka 87.65, Kolkata 86.37, Assam 86.10, U.P.(W) 85.90, Gujarat 85.77, Rajasthan 85.13, Punjab 84.32, U.P.(E) 83.75, Haryana 83.50, Delhi 82.88, Mumbai 81.60, Tamil Nadu 81.70, North East 80.52, HP 79.99, Orissa 77.32, J&K

Legend: Total Subscribers — VLR Subscribers — % VLR Subscribers

V. Growth in Wireless Subscribers

**Access Service Provider-wise Monthly Growth Rate of Wireless
Subscribers in the Month of September, 2017**

Data labels: Reliance Jio 4.47%, BSNL 0.52%, Bharti 0.36%, MTNL -0.15%, Vodafone -0.34%, Aircel -0.44%, Idea -0.47%, Telenor -2.00%, Tata -4.39%, Sistema -5.24%, Reliance Com. -6.59%

Service Area-wise Monthly Growth Rate of Wireless Subscribers in the Month of September, 2017
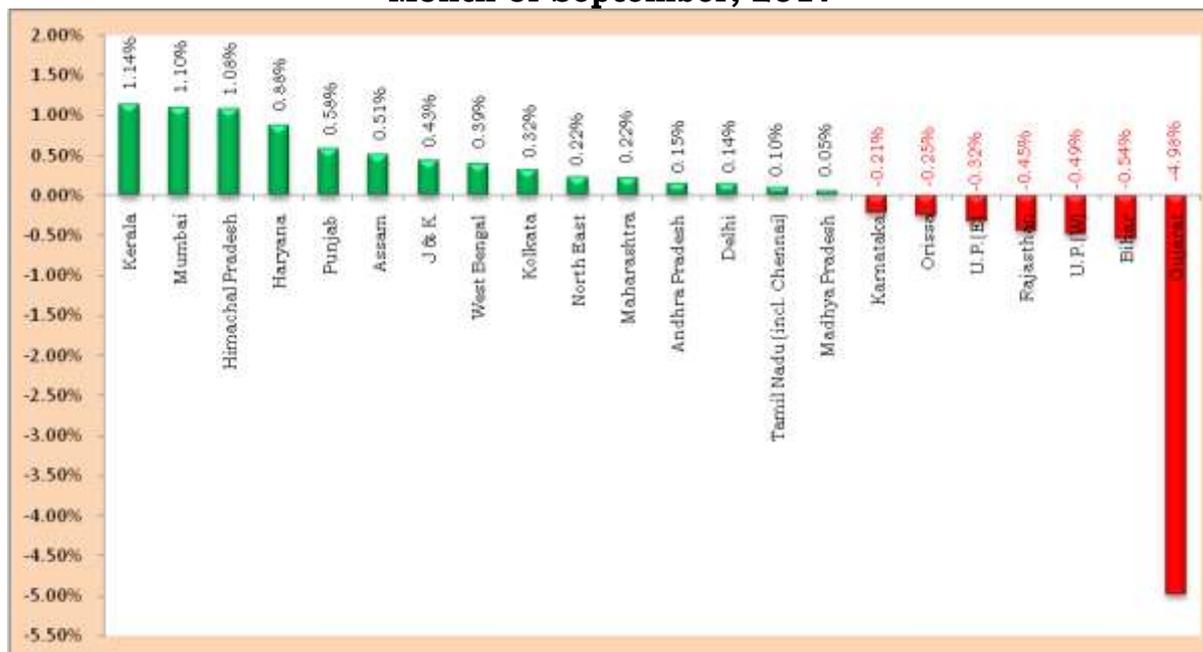
- During the month of Sep-17, Kerala service area showed maximum growth rate in wireless subscribers. However, Gujarat service areas showed maximum decline rate in wireless subscribers during the month.

VI. Mobile Number Portability (MNP)

- Intra-service area Mobile number portability (MNP) was implemented first in Haryana service area w.e.f. 25.11.2010 and in the rest of the country w.e.f. 20.01.2011. Inter-Service Area MNP has been implemented in the country w.e.f. 03.07.2015. Now, the wireless telephone subscribers can retain their mobile numbers when they relocate from one service area to another.

- During the month of Sep-17, a total of 5.49 million requests were received for MNP. With this, the cumulative MNP requests increased from 299.90 million at the end of Aug-17 to 305.39 million at the end of Sep-17, since the implementation of MNP.

- *It is noted that during the month of Sep-17, the cumulative figure of number of requests for Mobile Number Portability have been crossed the 300 million mark since implementation of MNP. This figure is about 25% of total wireless subscribers in the country.*

- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 25.68 million) followed by Gujarat (about 22.17 million).

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 32.90 million) followed by Andhra Pradesh (about 27.66 million).

Service Area Wise MNP Status at the end of September, 2017			
Zone -I		Zone – II	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	14136110	Andhra Pradesh	27658153
Gujarat	22174351	Assam	1655765
Haryana	12179868	Bihar	11036513
Himachal Pradesh	1147053	Karnataka	32904873
Jammu & Kashmir	208823	Kerala	8160645
Maharashtra	21286514	Kolkata	6352817
Mumbai	16692622	Madhya Pradesh	20426726
Punjab	11910147	North East	604878
Rajasthan	25684004	Orissa	5960472
Uttar Pradesh - East	15632589	Tamil Nadu	18575361
Uttar Pradesh - West	13818750	West Bengal	17186532
Total	**154,870,831**	**Total**	**150,522,735**
Total (Zone-I + Zone-II)			**305,393,566**
Net Addition (in September, 2017)			**5,493,288**

VII. Wireline Subscribers

- Wireline subscribers declined from 23.77 million at the end of Sep-17 to 23.67 million at the end of Sep-17. Net decline in the wireline subscriber base was 0.10 million with a monthly decline rate of 0.40%. The share of urban and rural subscribers in total wireline subscribers were 85.02% and 14.98% respectively at the end of Sep-17.

- The Overall Wireline Tele-density(%) declined from 1.84 at the end of Aug-17 to 1.83 at the end of Sep-17. Urban and Rural Wireline Tele-density were 4.94 and 0.40 respectively during the same period.

- BSNL and MTNL, the two PSU access service providers, held 68.44% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.

Access Service Provider-wise Market Shares of Wireline Subscribers as on 30th September, 2017
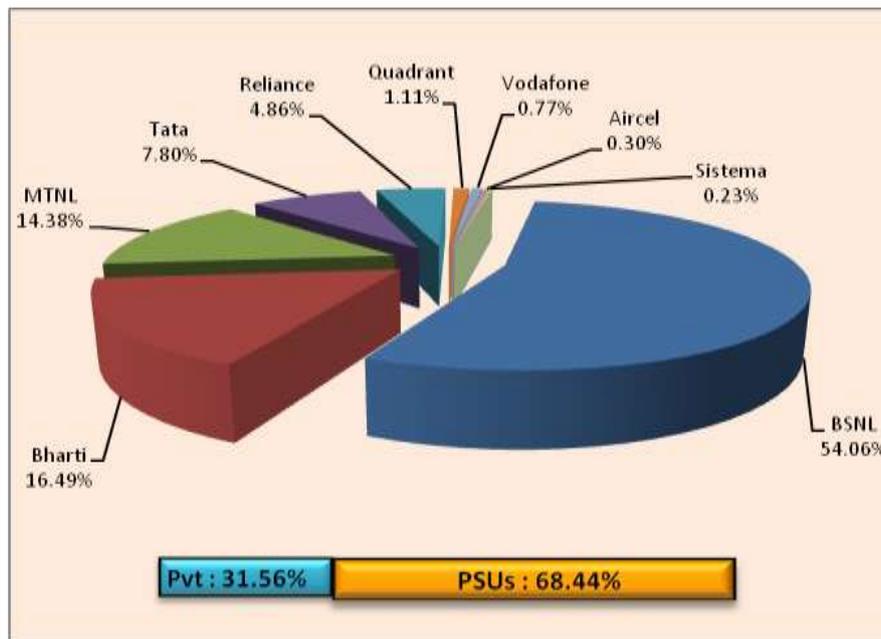
Access Service Provider-wise Net Additions/declines in Wireline Subscribers during the Month of September, 2017

VIII. Broadband (≥ 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 316.48 Million at the end of Aug-17 to 324.89 million at the end of Sep-17 with a monthly growth rate of 2.66%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment–wise Broadband Subscribers and Monthly Growth Rate in the month of September, 2017

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Sep-17
	As on 31st August, 2017	As on 30th September, 2017	
Wired subscribers	18.11	18.04	-0.40
Mobile devices users (Phones and dongles)	297.90	306.39	2.85
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.47	0.46	-3.44
Total	**316.48**	**324.89**	**2.66**

- Top five service providers constituted 91.64% market share of the total broadband subscribers at the end of Sep-17. These service providers were Reliance Jio Infocom Ltd (138.62 million), Bharti Airtel (62.29 million), Vodafone (45.98 million), Idea Cellular (29.61 million) and BSNL (21.24 million).

Note: Some wireless service providers exclude incidental data users from their subscriber base, based on minimum usage decided by them.

- 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 30.09.2017
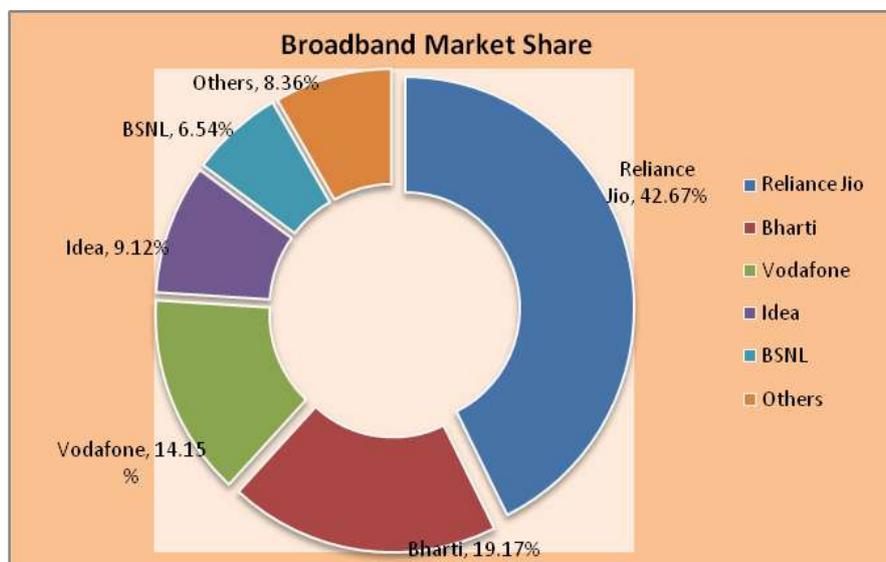
- As on 30th September, 2017, the top five <u>Wired</u> Broadband Service providers were BSNL (9.54 million), Bharti Airtel (2.12 million), Atria Convergence Technologies (1.24 million), MTNL (0.95 million) and Hathway Cable & Datacom (0.67 million).

- As on 30th September, 2017, the top five <u>Wireless</u> Broadband Service providers were Reliance Jio Infocomm Ltd (138.62 million), Bharti Airtel (60.17 million), Vodafone (45.97 million), Idea Cellular (29.61 million) and Reliance Communications (8.98 million).

Contact details in case of any clarification:

Shri S. K. Mishra, Pr. Advisor (F&EA),
Telecom Regulatory Authority of India
Mahanagar Doorsanchar Bhawan   Authorized to issue:
Jawahar Lal Nehru Marg,
New Delhi – 110002,
Ph: 011-23221856
Fax: 011-23235249   (S. K. Mishra)
E-mail: skmishra.trai@nic.in   Pr. Advisor (F&EA)

Wireless Subscriber Base

Annexure-I

Circle	Bharti		Reliance		Vodafone		Tata		Idea		Aircel	
	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17
Andhra Pradesh	26656526	26656836	3258483	3282701	6806361	6753714	3647270	3493017	16671980	16517052	2603930	2569213
Assam	6602681	6643180	853834	850144	3812657	3762838			1173486	1164256	5897517	5891209
Bihar	30994257	31003522	2936772	2500183	9549148	9398899	1222016	1150900	12110225	12028613	7548595	7559227
Delhi	12132993	12192751	5279339	5225300	11020846	11086576	1537021	1424478	6502333	6518715	6882321	6876667
Gujarat	9257183	9371440	5222445	1021116	20178798	20213238	2512487	2439779	12795742	12789920	15467	17005
Haryana	3585375	3636294	1240769	1244181	5945592	5974021	2228856	2134830	4836399	4823039	3092	3092
Himachal Pradesh	3094777	3105098	1423357	1452766	635641	625529	36557	32402	809959	804733	1057070	1043503
J & K	3847889	3818739	806627	814284	950495	916941			630001	609990	3226094	3273367
Karnataka	23182636	23399788	5111918	5030050	7715597	7636144	6145509	5955782	9330506	9151098	3218004	3182214
Kerala	4704167	4767107	1168511	1180359	7770199	7801358	1255517	1186963	11270182	11375246	341648	338076
Kolkata	5162669	5214089	3750023	3729489	5711247	5697018	2392615	2315074	2471299	2430737	4361627	4361550
Madhya Pradesh	14167600	14109599	8696076	8634119	6462704	6430131	4327729	4189091	24310866	24187200	20694	20623
Maharashtra	14641920	14579113	3320983	3317012	19473342	19430890	4711605	4531591	26995442	27147341	2279693	2253416
Mumbai	6720213	7089123	4343459	4241048	8937232	8954979	2576323	2499475	4313835	4251906	2738022	2686544
North East	4395027	4435501	214534	212125	1574158	1567287			517823	507184	3498404	3445833
Orissa	11772104	11796328	2030285	2013914	4382735	4289238	1768584	1654526	1778339	1754886	4309918	4237088
Punjab	9375358	9382768	1455658	1506306	5119298	5064811	2061956	1962035	7061438	7068108	1100781	1103195
Rajasthan	21300760	21263496	5347383	5320052	11641299	11497700	745603	699094	7864170	7723296	6546709	6518691
Tamil Nadu (incl. Chennai)	19176580	19240750	5349124	5327780	16207228	16177171	3768845	3564229	5801021	5863207	20886433	20852231
U.P.(E)	24577707	24598194	7133574	7027296	21401785	21389366	3083843	2901468	11990212	11767665	6656535	6595444
U.P.(W)	9026913	8992267	5319979	5259290	12305544	12179223	2721392	2575100	15988204	15902510	871716	866583
West Bengal	16668502	16751486	2992676	2974504	20542796	20596943	236502	206243	5835839	5768462	5081917	5057207
Total	**281043837**	**282047469**	**77255809**	**72164019**	**208144702**	**207444015**	**46980230**	**44916077**	**191059301**	**190155164**	**89146187**	**88751978**
Net Addition		**1003632**		**-5091790**		**-700687**		**-2064153**		**-904137**		**-394209**
Rural Subscribers	*141298184*	*141993609*	*16838739*	*15116533*	*112768186*	*113741303*	*9586126*	*8849175*	*105462829*	*104294146*	*31686672*	*31590936*

Wireless Subscriber Base

Circle	BSNL		MTNL		Telenor		Sistema		Reliance Jio		Total		Net Addition
	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	
Andhra Pradesh	10028940	10036985			4539839	4509364			10945402	11466889	85158731	85285771	127040
Assam	1547138	1555109							2155863	2289606	22043176	22156342	113166
Bihar	4015579	3997238			8754554	8535033			7931513	8429632	85062659	84603247	-459412
Delhi			2315444	2312983			402135	382111	8602061	8732876	54674493	54752457	77964
Gujarat	5142470	5261710			7822327	7762084	78676	72501	9657793	10111962	72683388	69060755	-3622633
Haryana	3969491	4064950							3451740	3602426	25261314	25482833	221519
Himachal Pradesh	2288401	2318190							1350552	1429106	10696314	10811327	115013
J & K	1529254	1534741							1518453	1595096	12508813	12563158	54345
Karnataka	7034875	7035243					575653	522340	8317644	8568111	70632342	70480770	-151572
Kerala	9800587	9916226					186407	180928	4291196	4507395	40788414	41253658	465244
Kolkata	1136329	1156841					290902	281998	4382403	4568090	29659114	29754886	95772
Madhya Pradesh	5511025	5547741							7946946	8364354	71443640	71482858	39218
Maharashtra	6735393	6797441			6805767	6585229			9435454	9965772	94399599	94607805	208206
Mumbai			1296867	1293805					6133324	6449427	37059275	37466307	407032
North East	1539615	1544804							1134668	1190395	12874229	12903129	28900
Orissa	5175560	5200378							3330625	3515820	34548150	34462178	-85972
Punjab	4973621	4995631							5986127	6266623	37134237	37349477	215240
Rajasthan	5889244	5722708					910706	848103	6850467	7203025	67096341	66796165	-300176
Tamil Nadu (incl. Chennai)	9798253	9869580					388216	380530	9391850	9580098	90767550	90855576	88026
U.P.(E)	11660824	11803098			11300099	10963546			8219009	8635919	106023588	105681996	-341592
U.P.(W)	5741423	5720098			7727797	7657191	77205	76372	7100094	7326032	66880267	66554666	-325601
West Bengal	1740305	1732045					800913	771424	4546144	4817250	58445594	58675564	229970
Total	**105258327**	**105810757**	**3612311**	**3606788**	**46950383**	**46012447**	**3710813**	**3516307**	**132679328**	**138615904**	**1185841228**	**1183040925**	**-2800303**
Net Addition		**552430**		**-5523**		**-937936**		**-194506**		**5936576**		**-2800303**	
Rural Subscribers	*33845694*	*34033667*	*48393*	*48341*	*13500256*	*13221033*	*808258*	*768591*	*32855632*	*34617980*	*498698969*	*498275314*	*-423655*

Circle	Aircel	Bharti	BSNL	Idea	MTNL	Reliance	Reliance Jio	Sistema	Tata	Telenor	Vodafone	Total
Andhra Pradesh	53.06	98.68	72.21	104.35		85.38	77.34		79.44	67.62	85.34	**88.42**
Assam	83.78	96.37	70.55	102.26		4.07	90.50				88.88	**86.10**
Bihar	83.27	94.42	66.56	98.98		9.04	88.53		69.59	74.92	97.79	**87.72**
Delhi	51.32	99.34		104.10	37.95	80.37	73.34	39.72	48.77		98.85	**83.50**
Gujarat	2156.99	101.85	55.34	104.73		42.66	75.42	40.47	57.49	57.68	94.20	**85.77**
Haryana	0.32	94.82	44.57	104.77		87.86	70.66		78.06		95.83	**83.75**
Himachal Pradesh	43.67	95.47	57.61	114.38		87.19	77.44		18.40		103.83	**80.52**
J & K	64.71	90.10	64.64	105.52		46.89	82.39				89.78	**77.32**
Karnataka	48.59	99.72	63.18	101.29		85.36	74.75	58.08	80.56		96.64	**87.65**
Kerala	58.70	99.59	69.63	101.92		89.73	76.47	34.51	75.61		94.58	**87.97**
Kolkata	59.70	99.95	71.60	100.44		97.30	71.64	68.74	79.45		99.67	**86.37**
Madhya Pradesh	1.12	96.52	62.34	104.38		88.43	80.84		66.21		80.06	**90.43**
Maharashtra	45.25	102.77	62.40	103.18		90.09	84.34		79.54	64.21	97.27	**91.30**
Mumbai	48.15	99.89		92.63	62.17	83.29	70.18		72.37		90.09	**82.88**
North East	60.35	99.76	70.28	103.01		14.87	83.75				89.40	**81.70**
Orissa	63.60	95.93	68.64	105.18		4.48	82.40		71.31		92.64	**79.99**
Punjab	48.99	96.20	55.39	101.92		87.71	71.72		75.18		92.11	**84.32**
Rajasthan	43.76	95.81	56.88	102.23		81.04	78.37	51.93	153.95		95.79	**85.13**
Tamil Nadu (incl. Chennai)	65.75	95.18	64.55	102.46		89.02	74.15	48.16	63.44		96.59	**81.80**
U.P. (E)	56.54	99.11	46.72	104.01		91.04	80.52		75.01	71.00	91.35	**83.94**
U.P. (W)	75.03	99.27	48.54	100.24		91.91	69.34	35.64	73.33	71.55	95.01	**85.90**
West Bengal	77.31	99.39	80.84	108.05		7.33	83.41	70.20	3.88		91.74	**88.41**
Total	**62.98**	**97.81**	**61.12**	**102.82**	**46.64**	**76.94**	**77.49**	**54.98**	**73.76**	**68.27**	**93.87**	**86.03**

Note: Peak VLR figures in some circles of some of the service providers are more than their HLR figures due to a large number of inroamers.

Wireline Subscriber Base

Circle	Group									
	BSNL		MTNL		Bharti		Reliance		Tata	
	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17
Andhra Pradesh	1139613	1129657			164366	164472	74812	74169	175809	174368
Assam	143868	143061								
Bihar	258885	256099					6,466	6408	12148	12129
Delhi			1574759	1570235	1301819	1306057	167959	166211	139286	139933
Gujarat	1058174	1054207			77691	77746	71725	71187	90247	90529
Haryana	255,669	251,827			22481	22489	3725	3724	38116	37618
Himachal Pradesh	130,566	127,257					3891	3891	2528	2527
J & K	123,787	121,908								
Karnataka	1167741	1161390			630728	633104	159847	156577	253683	265196
Kerala	1917984	1912397			57584	57636	32526	32510	18950	19029
Kolkata	585303	581228			121109	121142	68613	68191	50287	50209
Madhya Pradesh	697791	694783			271280	268995	19641	19514	15204	15280
Maharashtra	1341844	1325697			79423	79492	78874	78567	310362	309673
Mumbai			1839386	1833980	360613	359565	252913	252279	554328	553699
North East	115264	115109								
Orissa	264688	261775					3295	3235	8214	8198
Punjab	522883	511064			119456	119463	20053	19818	16102	15797
Rajasthan	550307	539879			49123	49208	19625	19425	11506	12033
Tamil Nadu (incl. Chennai)	1631443	1617284			556475	556478	131129	130688	113263	112670
U.P.(E)	374421	367235			64085	64092	34270	34217	13219	13484
U.P.(W)	328978	324616			22863	22873	7042	7042	10044	9888
West Bengal	302252	299484					1908	1908	3826	3591
Total	**12911461**	**12795957**	**3414145**	**3404215**	**3899096**	**3902812**	**1158314**	**1149561**	**1837122**	**1845851**
Net Addition		**-115504**		**-9930**		**3716**		**-8753**		**8729**
Rural Subscribers	3455791	3421832	0	0	0	0	1729	1729	55091	54967

Circle	Quadrant		Sistema		Vodafone		Aircel		Total		Net Addition
	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	Aug-17	Sep-17	
Andhra Pradesh					13290	25380	4638	4011	1572528	1572057	-471
Assam					2730	2520	1	0	146599	145581	-1018
Bihar					1920	1950	1	0	279420	276586	-2834
Delhi					30720	30320	16189	32264	3230732	3245020	14288
Gujarat					9001	9097	1596	58	1308434	1302824	-5610
Haryana									319991	315658	-4333
Himachal Pradesh					60	60			137045	133735	-3310
J & K									123787	121908	-1879
Karnataka					24450	29510	32048	25902	2268497	2271679	3182
Kerala					1800	2160			2028844	2023732	-5112
Kolkata					5490	5610	2616	568	833418	826948	-6470
Madhya Pradesh					570	570			1004486	999142	-5344
Maharashtra					14697	14909	359	644	1825559	1808982	-16577
Mumbai					25130	25365	10603	4604	3042973	3029492	-13481
North East					120	120			115384	115229	-155
Orissa					1320	1350			277517	274558	-2959
Punjab	264566	263320			1080	1110	31	0	944171	930572	-13599
Rajasthan			54218	54086	5640	5700	3560	3560	693979	683891	-10088
Tamil Nadu (incl. Chennai)					11850	13970			2444160	2431090	-13070
U.P.(E)					2010	9070	2	2	488007	488100	93
U.P.(W)					4020	4050	0	131	372947	368600	-4347
West Bengal					60	60			308046	305043	-3003
Total	**264566**	**263320**	**54218**	**54086**	**155958**	**182881**	**71644**	**71744**	**23766524**	**23670427**	**-96097**
Net Addition		**-1246**		**-132**		**26923**		**100**		**-96097**	
Rural Subscribers	58342	58174	9374	9446	0	0	0	0	3580327	3546148	-34179

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 based on HLR and numbers available in VLR.

The VLR subscriber data calculated here is based on active subscribers in VLR on the date of Peak subscriber number in 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.