

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 28th April, 2017

(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 31st January, 2017**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1,150.45	24.34	1,174.80
Net Addition in January, 2017 (Million)	23.08	-0.06	23.02
Monthly Growth Rate ^{\$}	2.05%	-0.25%	2.00%
Urban Telephone Subscribers (Million)	660.63	20.51	681.15
Net Addition in January, 2017 (Million)	-1.96	-0.03	-2.00
Monthly Growth Rate ^{\$}	-0.30%	-0.16%	-0.29%
Rural Telephone Subscribers (Million)	489.82	3.83	493.65
Net Addition in January, 2017 (Million)	25.04	-0.03	25.01
Monthly Growth Rate ^{\$}	5.39%	-0.72%	5.34%
Overall Tele-density*(%)	89.71	1.90	91.61
Urban Tele-density*(%)	164.29	5.10	169.39
Rural Tele-density*(%)	55.64	0.44	56.08
Share of Urban Subscribers	57.42%	84.26%	57.98%
Share of Rural Subscribers	42.58%	15.74%	42.02%
Broadband Subscribers (Million)	235.65	18.10	253.75

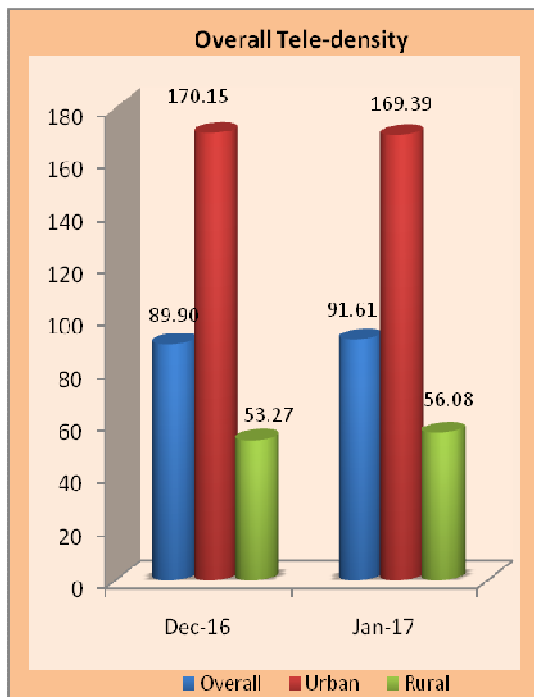
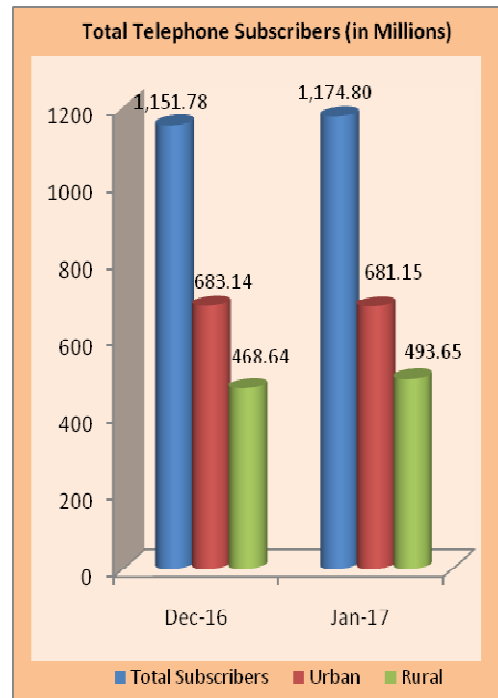
- ❖ In the month of January, 2017, 6.24 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 254.82 million at the end of Dec-16 to 261.07 million at the end of Jan-17, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR[#]) in January, 2017 was 1,005.16 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.
- \$ Growth over previous month.

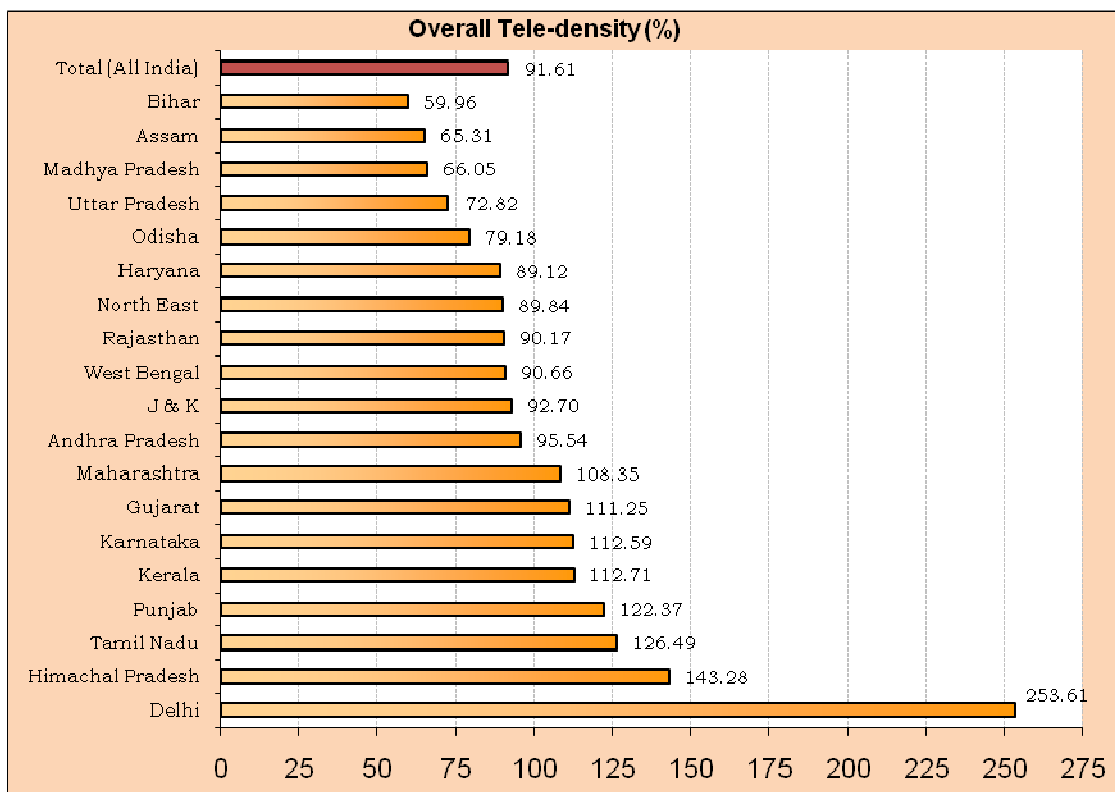
I. Total Telephone Subscribers

The number of telephone subscribers in India increased from 1,151.78 million at the end of Dec-16 to 1,174.80 million at the end of Jan-17, thereby showing a monthly growth rate of 2.00%. The urban subscription declined from 683.14 million at the end of Dec-16 to 681.15 million at the end of Jan-17, however the rural subscription increased from 468.64 million to 493.65 million during the same period. The monthly growth rates of urban and rural subscription were -0.29% and 5.34% respectively during the month of Jan-17.



The overall Tele-density in India increased from 89.90 at the end of Dec-16 to 91.61 at the end of Jan-17. The Urban Tele-density declined from 170.15 at the end of Dec-16 to 169.39 at the end of Jan-17, however the Rural Tele-density increased from 53.27 at the end of Dec-16 to 56.08 at the end of Jan-17. The share of urban subscribers and rural subscribers in total number of telephone subscribers at the end of Jan-17 was 57.98% and 42.02% respectively.

Overall Tele-density (Circle/State Wise) – As on 31st January, 2017



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 Chhathishgarh, 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 January, 2017

Circle Category	Net additions in the month of January, 2017		Telephone Subscriber base as on 31 st January, 2017	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-24,809	8,296,181	9,592,229	402,762,017
Circle B	-36,842	8,986,992	6,472,676	458,807,874
Circle C	-8,018	2,541,752	1,165,419	171,975,681
Metro	8,687	3,254,775	7,113,030	116,907,496
All India	-60,982	23,079,700	24,343,354	1,150,453,068

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

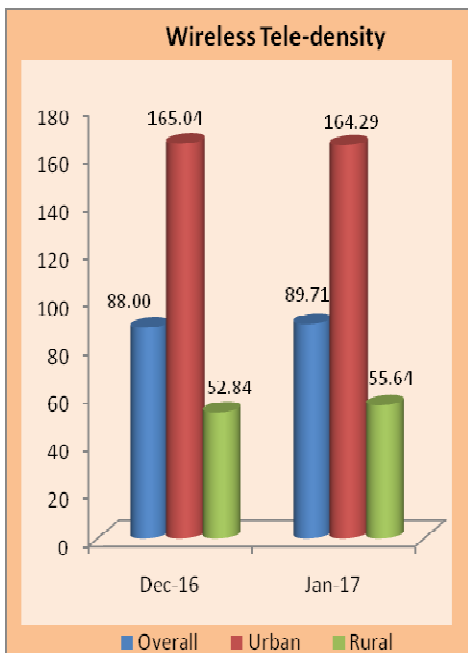
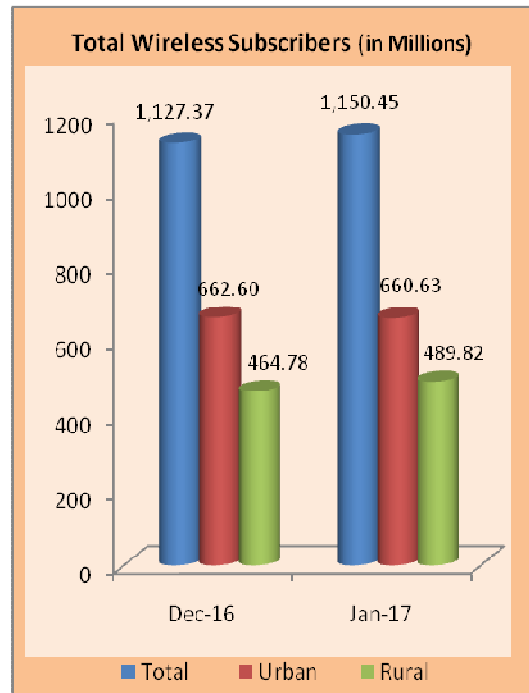
Circle Category	Monthly growth rate (%) (Dec-16 to Jan-17)		Yearly growth rate (%) (Jan-16 to Jan-17)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.26	2.10	-4.57	11.64
Circle B	-0.57	2.00	-6.40	13.12
Circle C	-0.68	1.50	-5.85	16.89
Metro	0.12	2.86	-0.03	11.89
All India	-0.25	2.05	-3.86	13.01

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, Circles of Category-B showed highest monthly net addition during the month of Jan-17. However, Metro circles showed maximum monthly growth rate in subscriber base during the same period.
- In Wireline segment, Circles of Category-B showed the highest net decline during the month of Jan-17. However, Circles of Category-C showed maximum monthly decline rate in subscriber base during the same period. Metro Circles showed positive growth in wireline subscriber base during the month of Jan-17.

III. Wireless Subscribers

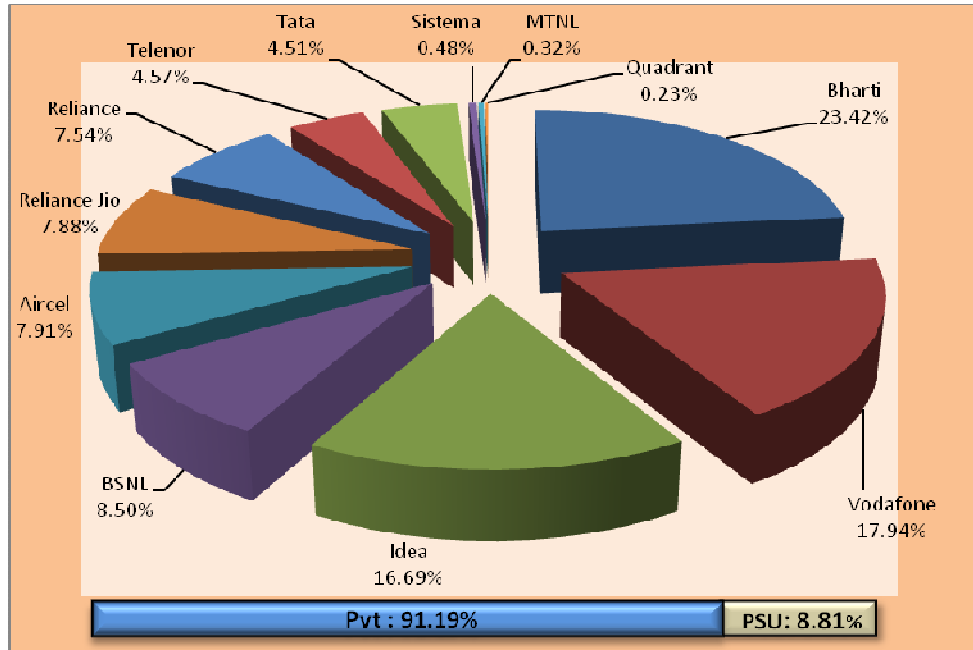
• Total wireless subscribers (GSM, CDMA & LTE) increased from 1,127.37 million at the end of Dec-16 to 1,150.45 million at the end of Jan-17, thereby registering a monthly growth rate of 2.05%. The Wireless subscription in urban areas declined from 662.60 million at the end of Dec-16 to 660.63 million at the end of Jan-17, however wireless subscription in rural areas increased from 464.78 million to 489.82 million during the same period. The monthly growth rates of urban and rural wireless subscription were -1.96% and 5.39% respectively.



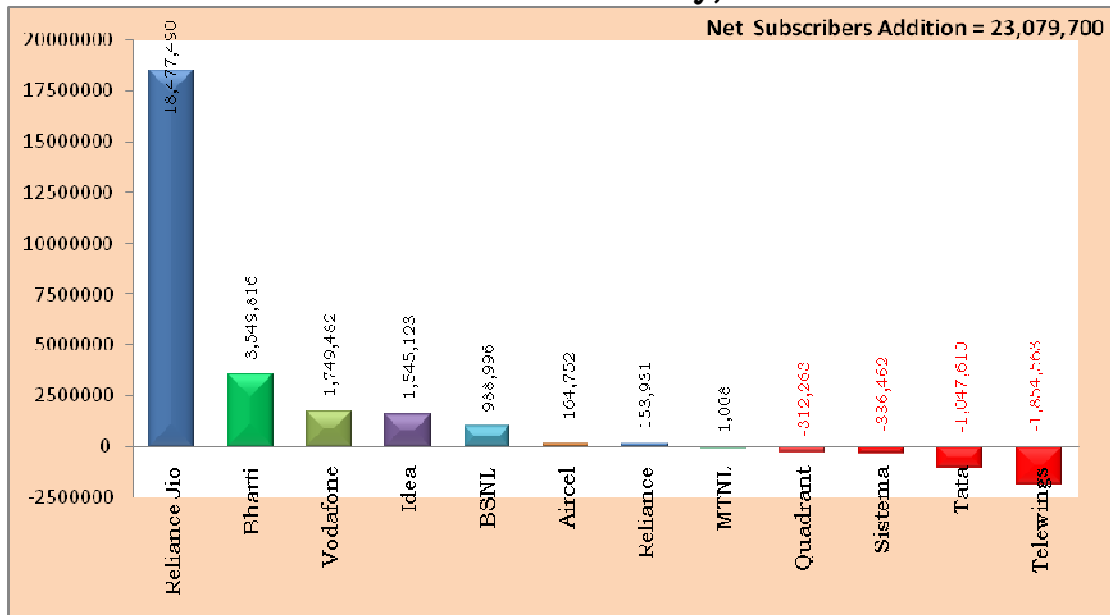
• The Wireless Tele-density(%) in India increased from 88.00 at the end of Dec-16 to 89.71 at the end of Jan-17. The Urban Wireless Tele-density declined from 165.04 at the end of Dec-16 to 164.29 at the end of Jan-17, however Rural Wireless Tele-density increased from 52.84 to 55.64 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 57.42% and 42.58% respectively at the end of Jan-17. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 31st January, 2017, the private access service providers held 91.19% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 8.81%. 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 31st January, 2017



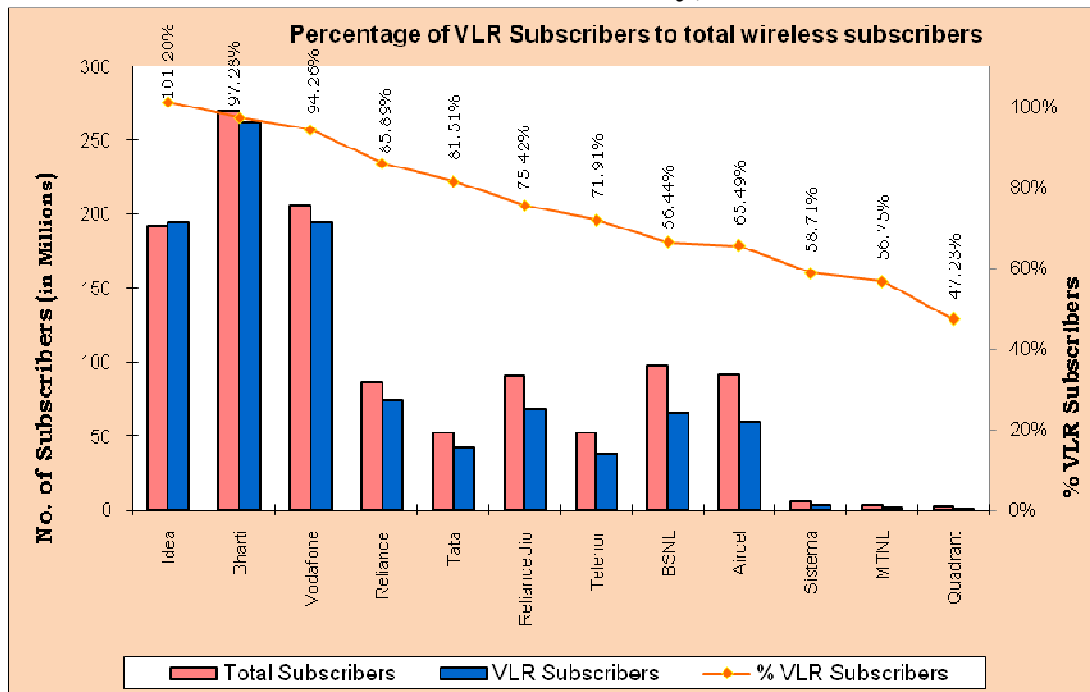
Net Additions in Wireless Subscribers of Access Service Providers in the Month of January, 2017



IV. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscribers (1,150.45 million), 1,005.16 million wireless subscribers were active on the date of peak VLR in the month of Jan-17. The proportion of active wireless subscribers was approximately 87.37% 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-17 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

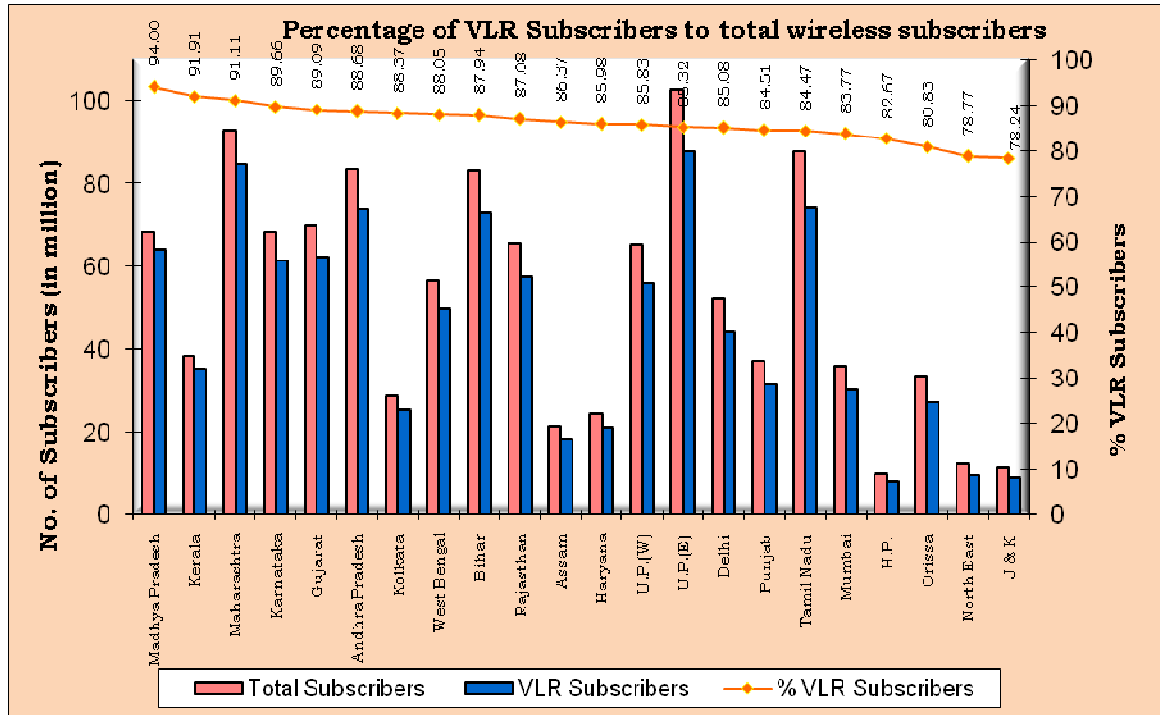
Access Service Provider-wise Percentage of VLR Subscribers in the Month of January, 2017



Note-

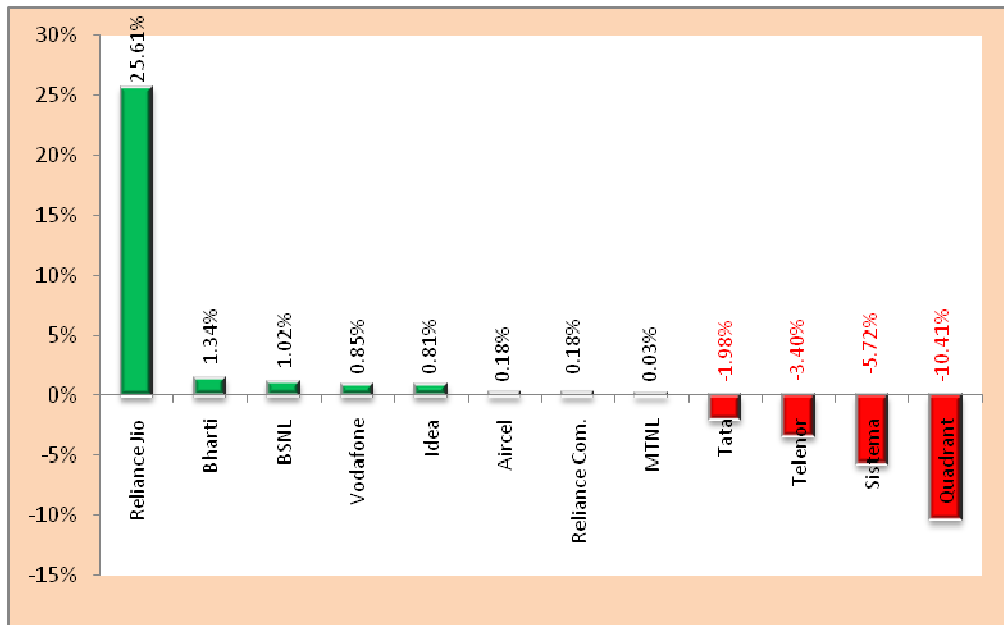
1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.

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

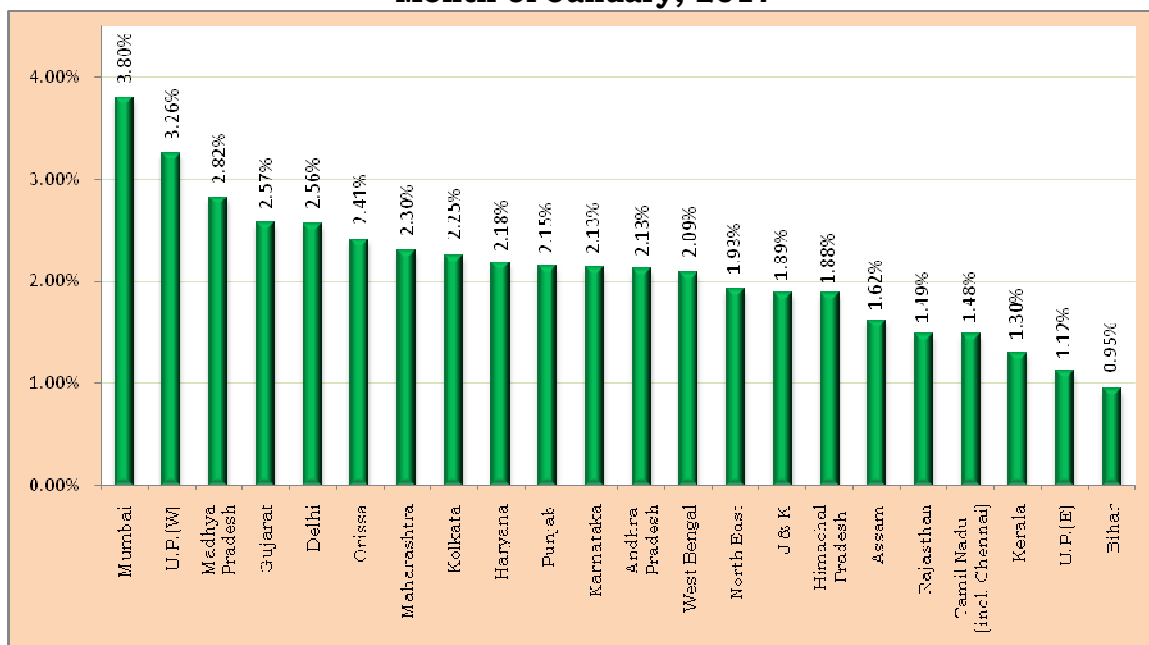


V. Growth in Wireless Subscribers

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



Service Area-wise Monthly Growth Rate of Wireless Subscribers in the Month of January, 2017



- All the service areas showed positive growth in wireless subscribers during the month of Jan-17. Mumbai service area recorded the highest growth rate in wireless subscribers during the same period.

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 Jan-17, a total of 6.24 million requests were received for MNP. With this, the cumulative MNP requests increased from 254.82 million at the end of Dec-16 to 261.06 million at the end of Jan-17, since the implementation of MNP.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 22.02 million) followed by Gujarat (about 18.89 million).

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 28.94 million) followed by Andhra Pradesh (about 23.77 million).

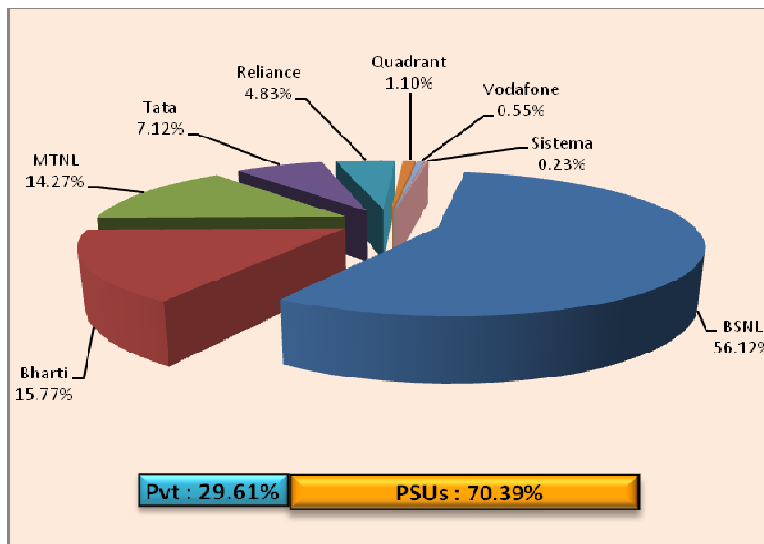
Service Area Wise MNP Status at the end of January, 2017			
Zone -I		Zone - II	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	10961073	Andhra Pradesh	23774006
Gujarat	18893675	Assam	1331644
Haryana	10335492	Bihar	9838869
Himachal Pradesh	931671	Karnataka	28943545
Jammu & Kashmir	101701	Kerala	7348130
Maharashtra	17845708	Kolkata	5482778
Mumbai	14514373	Madhya Pradesh	18248804
Punjab	9674658	North East	512657
Rajasthan	22082706	Orissa	5296190
Uttar Pradesh - East	12888153	Tamil Nadu	16128049
Uttar Pradesh - West	11837797	West Bengal	14087925
Total	130,067,007	Total	130,992,597
Total (Zone-I + Zone-II)			261,059,604
Net Addition (in January, 2017)			6,238,922

VII. Wireline Subscribers

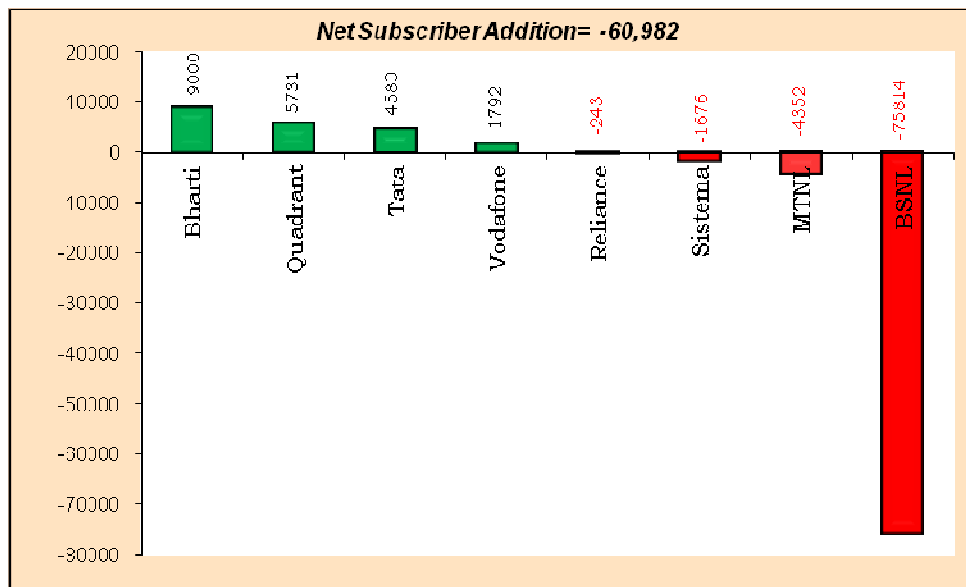
- Wireline subscribers declined from 24.40 million at the end of Dec-16 to 24.34 million at the end of Jan-17. Net decline in the wireline subscriber base was 0.06 million with a monthly decline rate of 0.25%. The share of urban and rural subscribers in total wireline subscribers were 84.26% and 15.74% respectively at the end of Jan-17.
- The Overall Wireline Tele-density(%) remained same as at the end of Dec-16 i.e. 1.90 at the end of Jan-17. Urban and Rural Wireline Tele-density were 5.10 and 0.44 respectively during the same period.

- BSNL and MTNL, the two PSU access service providers, held 70.39% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.
- The graphical representations of service provider-wise market shares in the wireline segment and net additions in wireline subscriber bases in the month of Jan-17 are given below:

Access Service Provider-wise Market Shares (Wireline Subscribers) as on 31st January, 2017



Access Service Provider-wise Net Additions/declines in Wireline Subscribers during the Month of January, 2017



VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 236.09 Million at the end of Dec-16 to 253.75 million at the end of Jan-17 with a monthly growth rate of 7.48%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of January, 2017

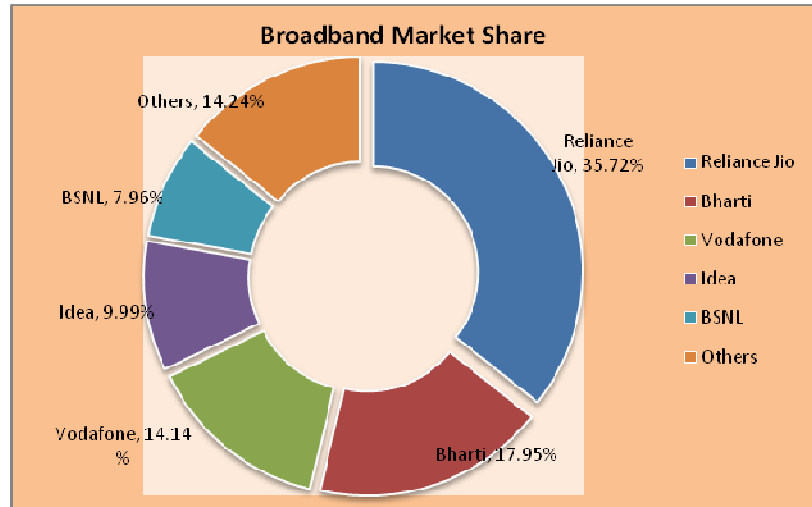
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Jan-17
	As on 31 st December, 2016	As on 31 st January, 2017	
Wired subscribers	18.14	18.10	-0.22%
Mobile devices users (Phones and dongles)	217.36	235.07	8.15%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.59	0.58	-1.99%
Total	236.09	253.75	7.48%

- Top five service providers constituted 85.76% market share of the total broadband subscribers at the end of Jan-17. These service providers were Reliance Jio Infocom Ltd (90.64 million), Bharti Airtel (45.54 million), Vodafone (35.89 million), Idea Cellular (25.35 million) and BSNL (20.20 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 31.01.2017**



- As on 31st January, 2017, the top five Wired Broadband Service providers were BSNL (9.94 million), Bharti Airtel (2.05 million), Atria Convergence Technologies (1.13 million), MTNL (1.03 million) and YOU Broadband (0.61 million).
- As on 31st January, 2017, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (90.64 million), Bharti Airtel (43.49 million), Vodafone (35.88 million), Idea Cellular (25.33 million) and Reliance Communications (14.85 million).

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Advisor (F&EA)

Wireless Subscriber Base

Annexure-I

Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel	
	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17
Andhra Pradesh	25112612	25349888	3681215	3745288	7030425	6947827	4023233	3923807	17448973	17474485	2544880	2547676
Assam	6281027	6345353	1358951	1232121	3920440	3923211			1293198	1310720	5663035	5814988
Bihar	30102995	30485905	3269964	3219896	9706144	9771545	1477175	1443416	12040995	12098042	7436130	7466488
Delhi	11366485	11483091	5815374	5779544	10516019	10576153	1687228	1528706	6368028	6445041	6731212	6749177
Gujarat	8754131	8955933	5925364	5940153	19750344	19909407	2584076	2554385	12850449	12832591	17063	17063
Haryana	3382750	3420024	1574039	1576895	5791557	5931783	2649113	2575783	5042697	5023361	3092	3092
Himachal Pradesh	2932704	2935910	1580165	1583443	745499	733437	52991	49905	815885	797026	1119545	1125928
J & K	3505002	3529511	949459	915167	980533	986262			623267	640768	2867502	2904458
Karnataka	22001544	22204342	5218438	5343716	7911034	7959195	6749222	6619594	9630391	9652409	3365649	3371034
Kerala	4567433	4542675	1492938	1452852	7692872	7695803	1393031	1355867	11018971	10977843	378558	379763
Kolkata	4909018	4947767	4318179	4317121	5589894	5621531	2580243	2549426	2541949	2585303	4314664	4290604
Madhya Pradesh	13665329	13860937	9370161	9528120	6749495	6770743	4416062	4357333	23496338	23824717	20694	20694
Maharashtra	13998508	14331444	4393692	4392411	18894289	19068159	5681044	5586633	25488200	25899372	2773255	2787271
Mumbai	6164308	6318238	4707876	4865177	8983030	9009290	2758760	2768781	4428983	4457207	2970326	2980747
North East	4102960	4155104	368596	303544	1606835	1581189			610574	636306	3384813	3486866
Orissa	10981096	11234287	2121470	2103448	4352964	4469490	1982403	1958320	2042172	2057315	4664702	4652863
Punjab	8408589	8632894	1712133	1704289	5260726	5295631	2483534	2422658	6609685	6687822	1151413	1148597
Rajasthan	20423230	20594022	5965928	5883306	12082927	12044303	1317865	1264939	8074084	8186434	6663523	6653053
Tamil Nadu (incl. Chennai)	18317695	18266477	5354554	5436196	16348225	16483231	4100347	4034071	6422898	6319091	21705386	21519012
U.P.(E)	22524622	23005582	8380772	8375203	19716657	19935364	3600127	3541693	11778588	11827417	7158862	7194323
U.P.(W)	8696883	8925701	5466988	5468288	11851566	12176248	3076434	3035166	15679475	16024487	844454	852409
West Bengal	15653684	15877336	3518673	3532682	19205455	19546610	364898	359693	6212076	6305242	5096795	5074199
Total	265852605	269402421	86544929	86698860	204686930	206436412	52977786	51930176	190517876	192062999	90875553	91040305
Net Addition		3549816		153931		1749482		-1047610		1545123		164752

Wireless Subscriber Base

Annexure-I (contd.)

Circle	Group														Net Addition
	BSNL		MTNL		Telenor		Sistema		Quadrant		Reliance Jio		Total		
	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	
Andhra Pradesh	9820986	9824079			5634582	5621712					6356061	7953577	81652967	83388339	1735372
Assam	1417734	1426433									979779	1199602	20914164	21252428	338264
Bihar	4024249	3991403			10138958	9590910					4060254	4966741	82256864	83034346	777482
Delhi			2327549	2327655			699544	622550			5370396	6674682	50881835	52186599	1304764
Gujarat	4324899	4448427			8424971	8491791	155976	145754			5593057	6840540	68380330	70136044	1755714
Haryana	3578717	3602252									1918855	2328597	23940820	24461787	520967
Himachal Pradesh	1990138	2029642									665843	833774	9902770	10089065	186295
J & K	1471105	1466858									875883	1042560	11272751	11485584	212833
Karnataka	6876305	6840478					853274	804912			4521864	5763806	67127721	68559486	1431765
Kerala	8686761	8796973					261063	246493			2414402	2948676	37906029	38396945	490916
Kolkata	856129	879611					430489	415539			2603998	3171384	28144563	28778286	633723
Madhya Pradesh	4745564	4968329									4012836	5017974	66476479	68348847	1872368
Maharashtra	6445149	6374428			8098638	8083817					4994893	6335089	90767668	92858624	2090956
Mumbai			1298346	1299248							3314694	4243923	34626323	35942611	1316288
North East	1647856	1651858									571525	715101	12293159	12529968	236809
Orissa	4807936	4880234									1841478	2228333	32794221	33584290	790069
Punjab	4468872	4485177							2999158	2686895	3284526	4097657	36378636	37161620	782984
Rajasthan	5126562	5278568					1625425	1510071			3595620	4425036	64875164	65839732	964568
Tamil Nadu (incl. Chennai)	8885962	8899617					555764	542598			4846319	6319231	86537150	87819524	1282374
U.P.(E)	10510884	10721986			13718269	12389420					4212075	5748048	101600856	102739036	1138180
U.P.(W)	5325719	5440453			8454081	8437286	112436	110540			3697898	4792758	63205934	65263336	2057402
West Bengal	1776353	1770070					1183642	1142694			2425388	2988045	55436964	56596571	1159607
Total	96787880	97776876	3625895	3626903	54469499	52614936	5877613	5541151	2999158	2686895	72157644	90635134	1127373368	1150453068	23079700
Net Addition		988996		1008		-1854563		-336462		-312263		18477490		23079700	

Proportion of VLR on the date of Peak VLR in the month of Jan-17 (%)

Annexure-II

Circle	Aircel	Bharti	BSNL	Quadrant	Idea	MTNL	Reliance	Reliance Jio	Sistema	Tata	Telenor	Vodafone	Total
Andhra Pradesh	61.08	98.04	73.72		100.20		92.44	72.02		91.62	71.81	85.87	88.68
Assam	80.29	97.69	77.97		100.06		4.07	84.96				101.83	86.37
Bihar	82.44	98.16	64.80		99.04		3.96	79.17		73.67	73.68	104.20	87.94
Delhi	58.01	93.62			103.09	49.72	93.22	74.13	46.78	62.05		97.92	85.08
Gujarat	2764.34	97.04	64.00		104.47		94.50	77.65	43.52	71.18	66.17	93.63	89.09
Haryana	0.39	94.42	50.64		101.97		96.36	72.71		83.80		92.48	85.98
Himachal Pradesh	46.26	92.01	65.43		113.20		103.94	67.50		25.67		90.91	82.67
J & K	70.44	91.94	70.46		100.59		48.33	69.65				86.07	78.24
Karnataka	52.23	100.99	64.81		98.80		93.47	79.83	61.18	89.66		91.63	89.66
Kerala	67.09	96.28	75.76		105.69		94.67	80.83	52.22	90.21		94.64	91.91
Kolkata	64.38	100.01	91.81		92.10		107.24	64.76	65.36	87.75		94.98	88.37
Madhya Pradesh	0.91	97.52	68.47		102.75		110.79	73.73		76.76		77.49	94.00
Maharashtra	49.30	97.88	69.73		102.47		93.68	86.33		82.70	70.62	95.99	91.11
Mumbai	56.40	92.36			90.96	69.34	92.12	68.04		80.05		89.37	83.77
North East	60.39	97.39	66.79		93.79		4.19	75.09				92.83	78.77
Orissa	57.46	97.69	72.23		99.01		3.03	72.80		80.10		104.72	80.83
Punjab	53.22	98.56	64.56	47.23	102.36		95.09	74.52		76.10		89.86	84.51
Rajasthan	54.36	95.10	64.37		100.78		94.48	79.50	58.02	120.48		91.36	87.08
Tamil Nadu (incl. Chennai)	66.46	97.66	70.52		98.72		96.15	78.91	56.86	72.39		97.57	84.47
U.P. (E)	65.08	97.53	52.83		102.97		95.08	74.41		76.86	74.09	93.07	85.32
U.P. (W)	87.75	95.49	53.92		97.60		95.86	66.23	44.49	77.63	73.78	91.34	85.83
West Bengal	73.23	97.18	81.21		102.49		10.58	72.58	67.55	61.64		98.50	88.05
Total	65.49	97.28	66.44	47.23	101.20	56.75	85.89	75.42	58.71	81.51	71.91	94.26	87.37

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

Annexure-III

Circle	Group																Total	Net Addition	
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone				
	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17	Dec-16	Jan-17			
Andhra Pradesh	1215896	1206933			158654	159727	75656	75575	172538	171251					11250	11250	1633994	1624736	-9258
Assam	155325	154112													2100	2190	157425	156302	-1123
Bihar	297401	294314					6,436	6,367	12761	12476					1260	1320	317858	314477	-3381
Delhi			1608461	1606732	1263413	1269629	173965	173769	136059	135393					27750	28170	3209648	3213693	4045
Gujarat	1103146	1101149			76086	76170	73016	72806	88015	88044					7200	7260	1347463	1345429	-2034
Haryana	285,213	282,426			22779	22915	4043	4014	36942	36571							348977	345926	-3051
Himachal Pradesh	145,415	143,829					4014	3924	2589	2553					30	30	152048	150336	-1712
J & K	134,171	133,432															134171	133432	-739
Karnataka	1216834	1212060			618389	618592	155757	156265	208921	209555					23190	23280	2223091	2219752	-3339
Kerala	2005095	1999011			57915	57959	33096	33036	18723	18767					1680	1650	2116509	2110423	-6086
Kolkata	617718	616277			120571	120671	69154	69124	49330	49590					5460	5490	862233	861152	-1081
Madhya Pradesh	726773	721056			272988	273038	19755	19705	16098	16231					420	420	1036034	1030450	-5584
Maharashtra	1420475	1414977			77520	77841	82090	81985	282870	282817					13501	13671	1876456	1871291	-5165
Mumbai			1869600	1866977	354879	354981	256548	256950	529968	537148					21467	22129	3032462	3038185	5723
North East	121685	121179													150	150	121835	121329	-506
Orissa	277579	276982					3281	3281	8130	8170					1110	1110	290100	289543	-557
Punjab	602669	595235			119526	119870	20789	20740	16402	16053	262114	267845			1020	1050	1022520	1020793	-1727
Rajasthan	610665	602361			48496	48525	19866	19781	11796	11563			58305	56629	2370	2400	751498	741259	-10239
Tamil Nadu (incl. Chennai)	1730644	1725418			551834	552086	133968	133924	109238	109033					10350	10560	2536034	2531021	-5013
U.P.(E)	382226	379850			63942	63960	34767	34737	15564	15416					1500	1440	497999	495403	-2596
U.P.(W)	360830	357188			23115	23143	7127	7102	9958	9862					1080	1110	402110	398405	-3705
West Bengal	327936	324093					2048	2048	3827	3816					60	60	333871	330017	-3854
Total	13737696	13661882	3478061	3473709	3830107	3839107	1175376	1175133	1729729	1734309	262114	267845	58305	56629	132948	134740	24404336	24343354	-60982
Net Addition		-75814		-4352		9000		-243		4580		5731		-1676		1792		-60982	

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.