

## Highlights on Telecom Subscription Data as on 31<sup>st</sup> August, 2013

Particulars	Wireless	Wireline	Total Wireless+Wireline
<b>Total Subscribers</b> (Millions)	<b>876.72</b>	<b>29.46</b>	<b>906.18</b>
Total Net Monthly Addition (Millions)	1.84	-0.12	1.72
Monthly Growth (%)	0.21%	-0.41%	0.19%
<b>Urban Subscribers</b> (Millions)	<b>525.84</b>	<b>23.07</b>	<b>548.90</b>
Urban Subscribers Net Monthly Addition (Millions)	0.05	-0.07	-0.02
Monthly Growth (%)	0.01%	-0.30%	-0.003%
<b>Rural Subscribers</b> (Millions)	<b>350.88</b>	<b>6.39</b>	<b>357.27</b>
Rural Subscribers Net Monthly Addition (Millions)	1.79	-0.05	1.74
Monthly Growth (%)	0.51%	-0.81%	0.49%
<b>Overall Teledensity*</b>	<b>71.21</b>	<b>2.39</b>	<b>73.60</b>
Urban Teledensity*	139.65	6.13	145.78
Rural Teledensity*	41.05	0.75	41.80
Share of Urban Subscribers	59.98%	78.31%	60.57%
Share of Rural Subscribers	40.02%	21.69%	39.43%

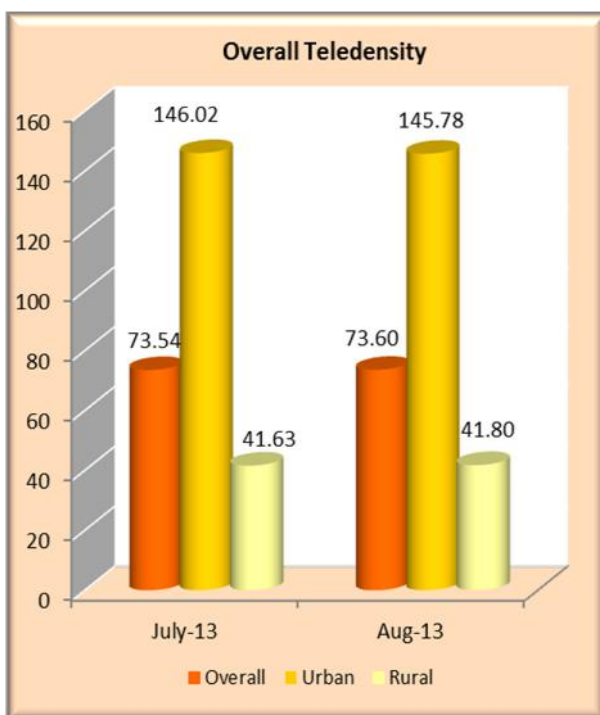
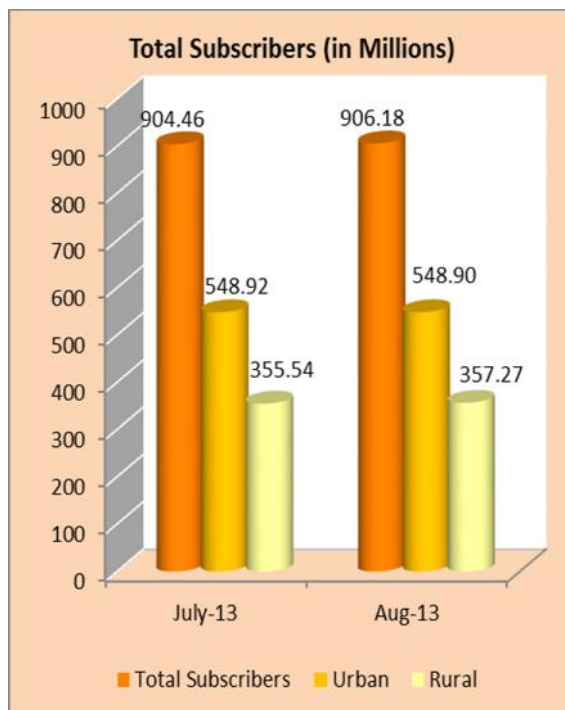
- ❖ Mobile Number Portability requests increased from 97.82 million subscribers at the end of July 2013 to 100.20 million at the end of August 2013. In the month of August 2013 alone 2.37 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in August, 2013 are 735.88 million, 83.94% of the total subscribers.
- ❖ Broadband subscription reached 15.28 million in August 2013 from 15.24 million in July 2013.

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

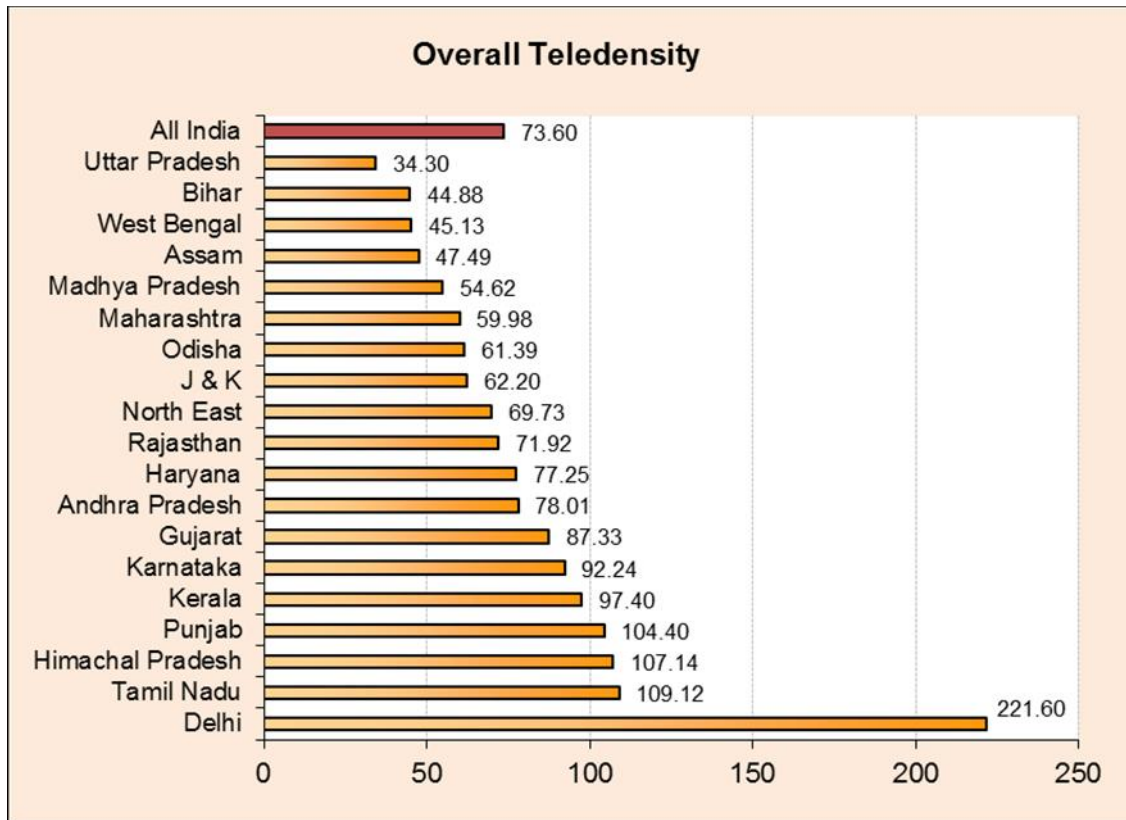
## **I. Total Telephone Subscribers**

• The number of telephone subscribers in India increased from 904.46 million at the end of July, 2013 to 906.18 million at the end of August 2013, thereby showing a monthly growth rate of 0.19%. The share of urban subscribers has declined from 60.69% to 60.57% whereas share of rural subscribers has increased from 39.31% to 39.43% in the month of August 2013. With this, the overall Teledensity in India increased from 73.54 at the end of July, 2013 to 73.60 at the end of August, 2013.



• Subscription in the urban areas slightly declined from 548.92 million in July, 2013 to 548.90 million at the end of August, 2013. Subscription in rural areas increased from 355.54 million to 357.27 million during the same period. The monthly growth rate of urban and rural subscription is -0.003% and 0.49% respectively. The overall urban Teledensity has decreased from 146.02 to 145.78 whereas Rural Teledensity increased from 41.63 to 41.80.

### Overall Teledensity (Circle Wise)

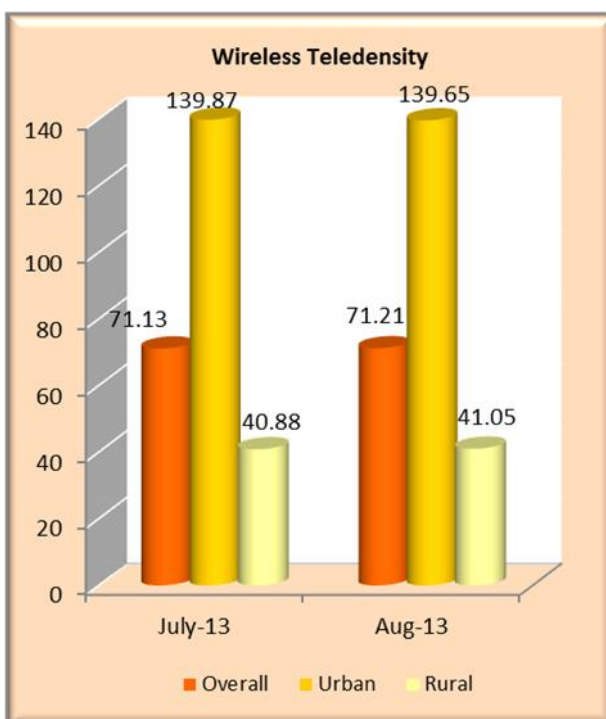


**Notes:**

1. Population data/Projections are available state wise only.
2. Teledensity figures are derived from the subscriber data provided by the operators and the population projections published by the Office of the Registrar General & Census Commissioner, India.
3. Delhi Service area, apart from the State of Delhi, includes wireless subscribers of the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana). West Bengal service area includes Kolkata, Maharashtra includes Mumbai and Tamil Nadu includes Chennai

## II. Wireless Segment (GSM, CDMA & FWP)

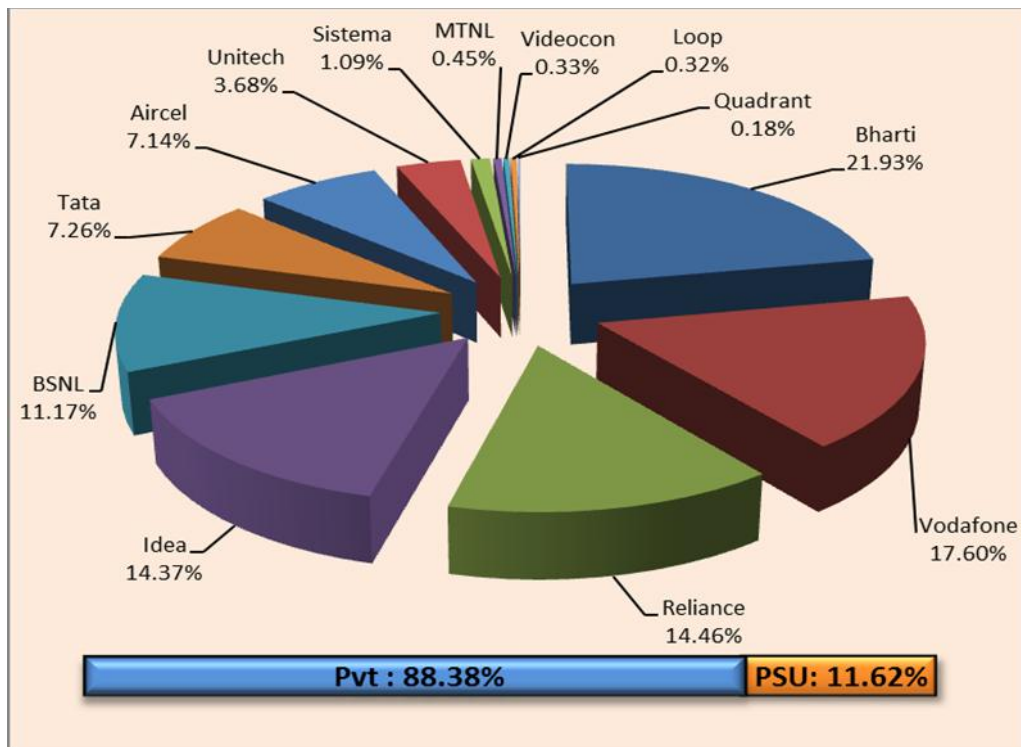
- Total wireless subscriber base increased from 874.88 million in July 2013 to 876.72 million at the end of August 2013, registering a monthly growth of 0.21%. The share of urban wireless subscribers has declined from 60.10% to 59.98% whereas share of rural wireless subscribers has increased from 39.90% to 40.02%. The overall wireless Teledensity in India has reached 71.21 from 71.13 of previous month.



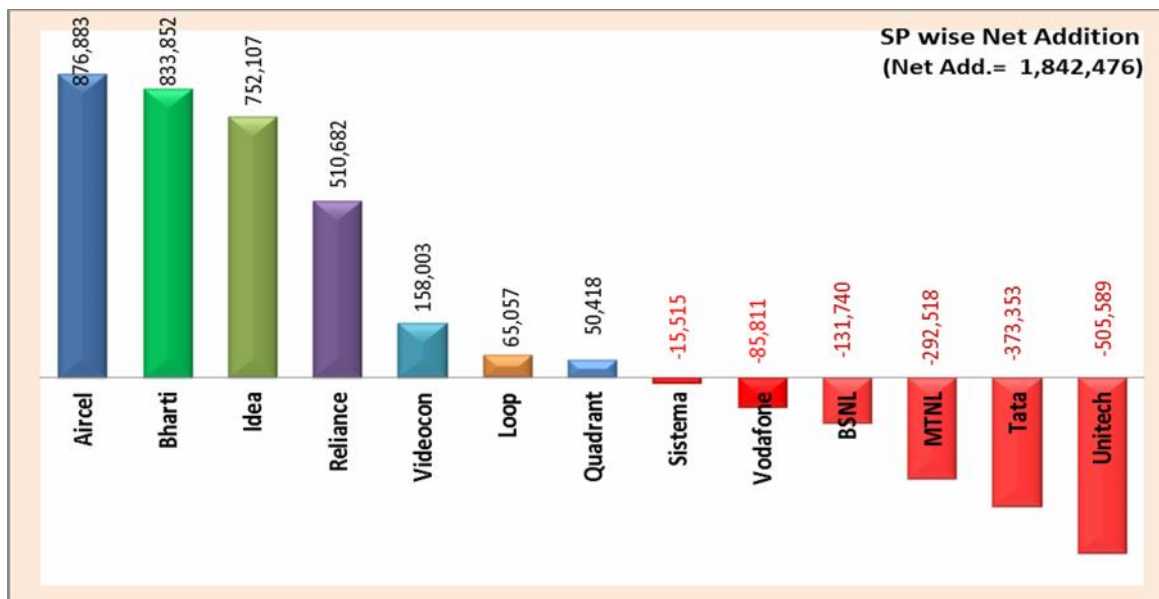
- Wireless subscription in urban areas increased from 525.78 million in July 2013 to 525.84 million at the end of August 2013. The wireless subscription in rural areas increased from 349.09 million to 350.88 million during the same period. The urban wireless Teledensity has decreased from 139.87 to 139.65 whereas rural Teledensity has increased from 40.88 to 41.05. Detailed statistics is available at Annexure I.

- Private operators hold 88.38% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.62% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of August, 2013 are given below:

**A. Service Provider wise Market Share as on 31<sup>st</sup>August, 2013.**



**B. Service Provider wise net subscriber addition during August 2013**

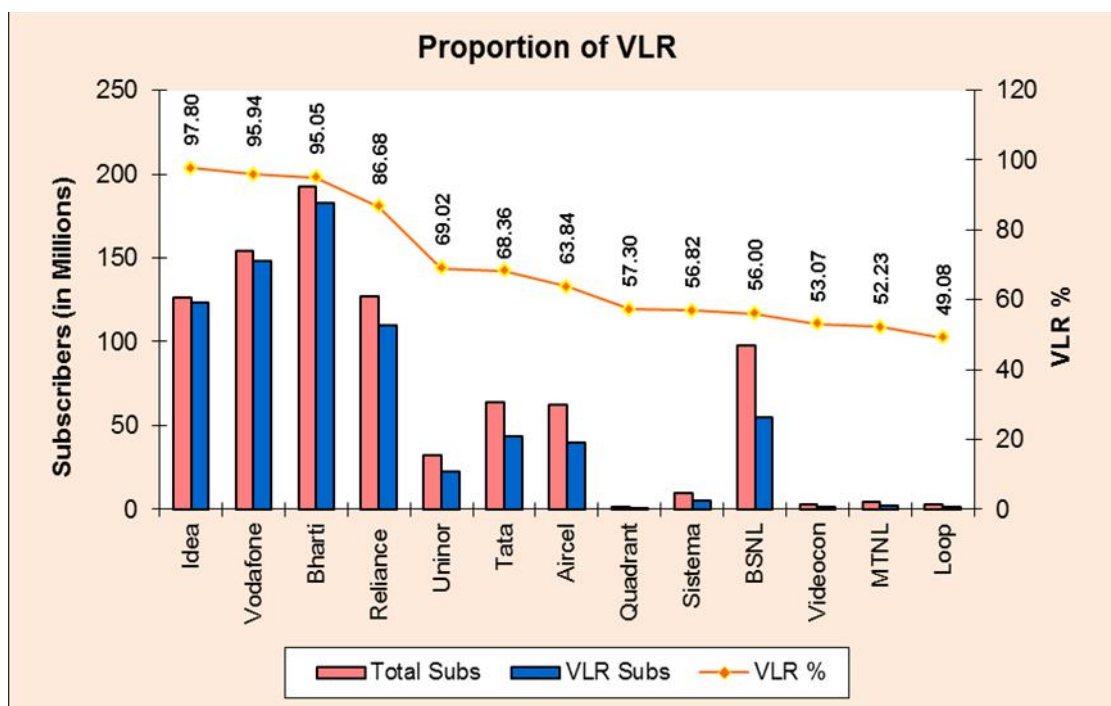


### III. VLR Data

Out of the total 876.72 million wireless subscribers, 735.88 million were active on the date of Peak VLR for the month of August 2013. The proportion of VLR subscribers is approximately 83.94% of the total wireless subscriber base reported by the service providers.

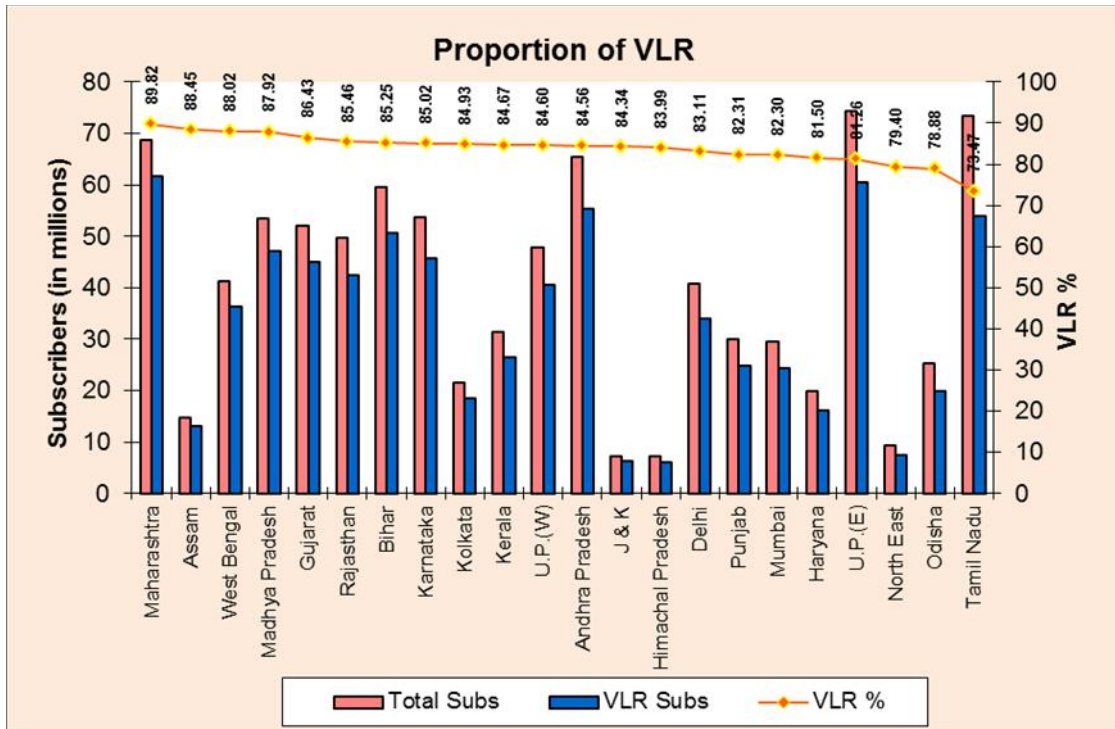
Service Provider wise, Idea leads the tally with 97.80% followed by Vodafone(95.94%) and Bharti (95.05%). Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 89.82% followed by Assam(88.45%) and West Bengal(88.02%).TN (incl. Chennai) has the lowest proportion with 73.47%. The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

#### A. Proportion of VLR subscribers (Service Provider wise)

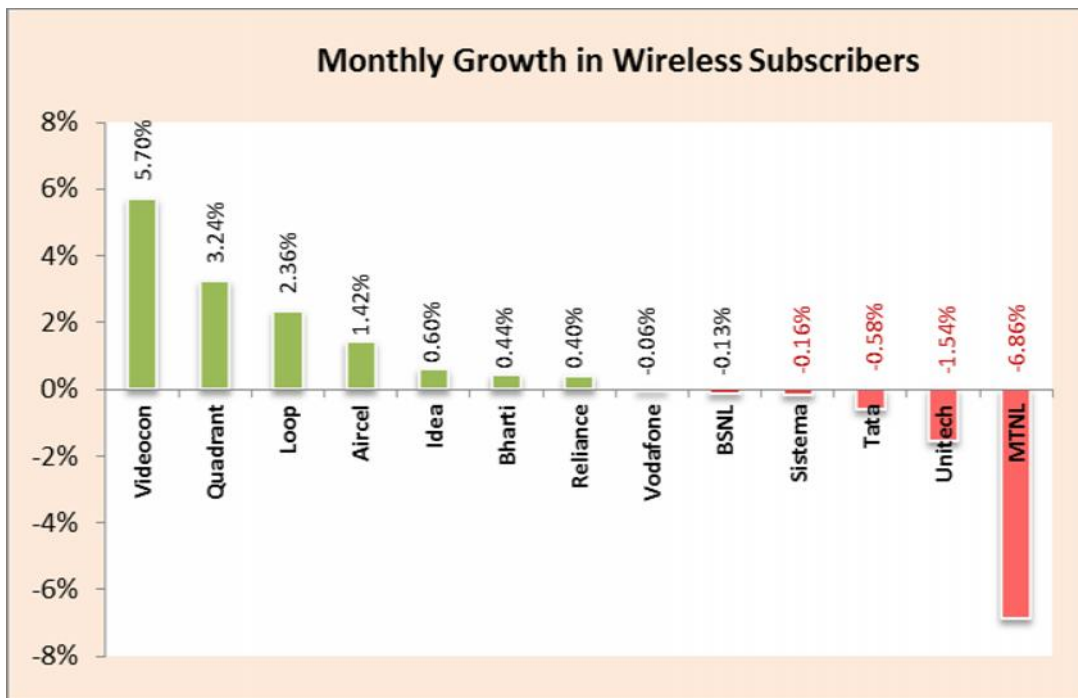




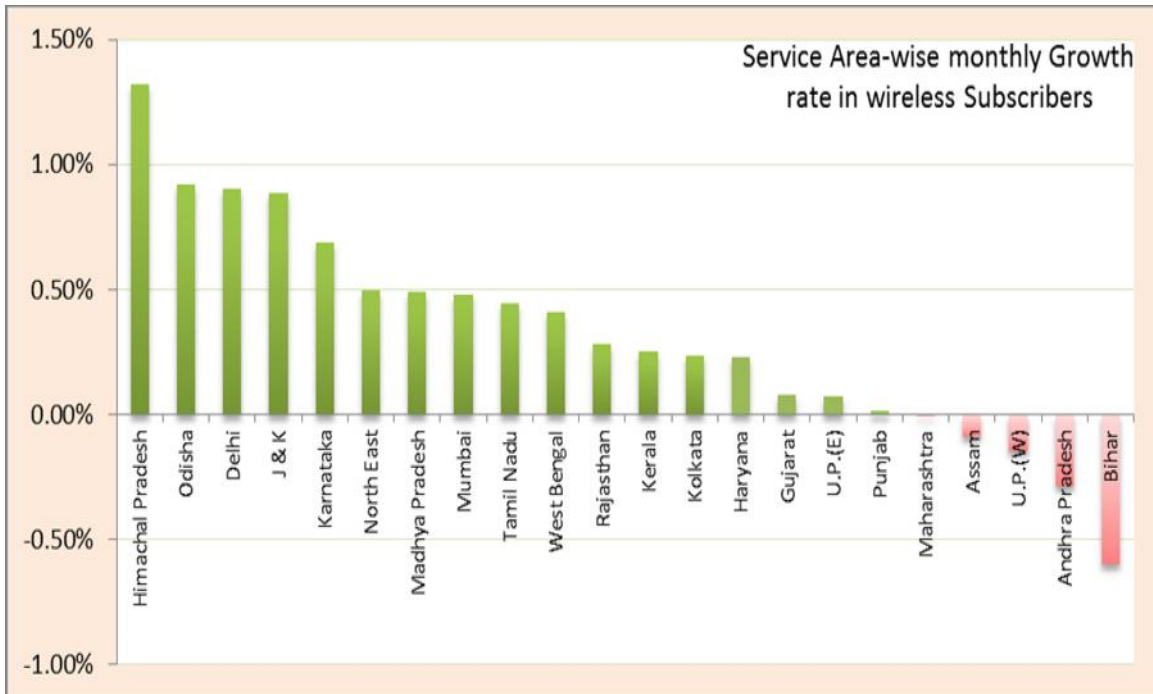
### C. Proportion of VLR subscribers (Service Area wise)



### D. Service Provider wise monthly growth in total wireless subscribers



#### E. Service Area wise monthly growth in total wireless subscribers



#### IV. Mobile Number Portability

As per the data reported by the service providers, by the end of August 2013 about 100.20 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (about 9.85 million) followed by Gujarat (about 8.67 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 11.65 million) followed by Andhra Pradesh Service area (about 9.08 million). In the month of August 2013, total number of subscribers who have submitted their request for MNP is 2.37 million. The status of MNP requests in various service areas is given below:

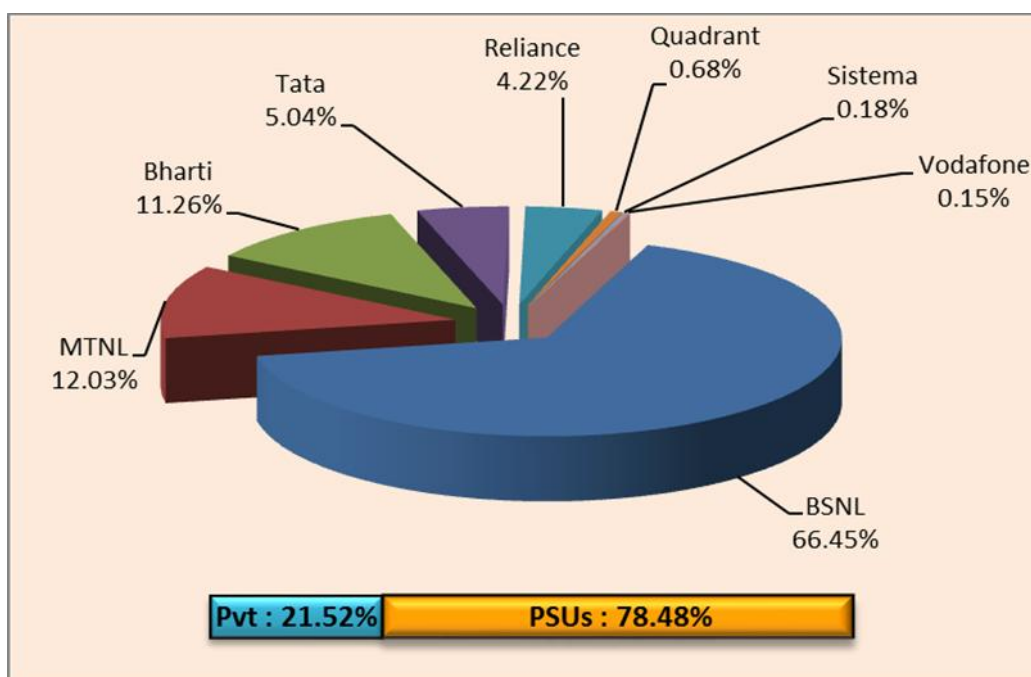


Service Area Wise MNP Status at the end of August 2013			
Zone -1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	3545211	Andhra Pradesh	9084451
Gujarat	8671557	Assam	376621
Himachal Pradesh	359632	Bihar	2235097
Haryana	3691591	Karnataka	11645797
Jammu & Kashmir	17717	Kerala	4038344
Maharashtra	8133402	Kolkata	2202315
Mumbai	3900999	Madhya Pradesh	5761924
Punjab	3361790	North East	173115
Rajasthan	9856116	Orissa	2141841
Uttar Pradesh - East	5806471	Tamil Nadu	5908762
Uttar Pradesh - West	5665677	West Bengal	3617610
<b>Total</b>	<b>53,010,163</b>	<b>Total</b>	<b>47,185,877</b>
<b>Total(Zone-1 + Zone-2)</b>		<b>100,196,040</b>	
<b>Net Addition (in August 2013)</b>		<b>2,372,243</b>	

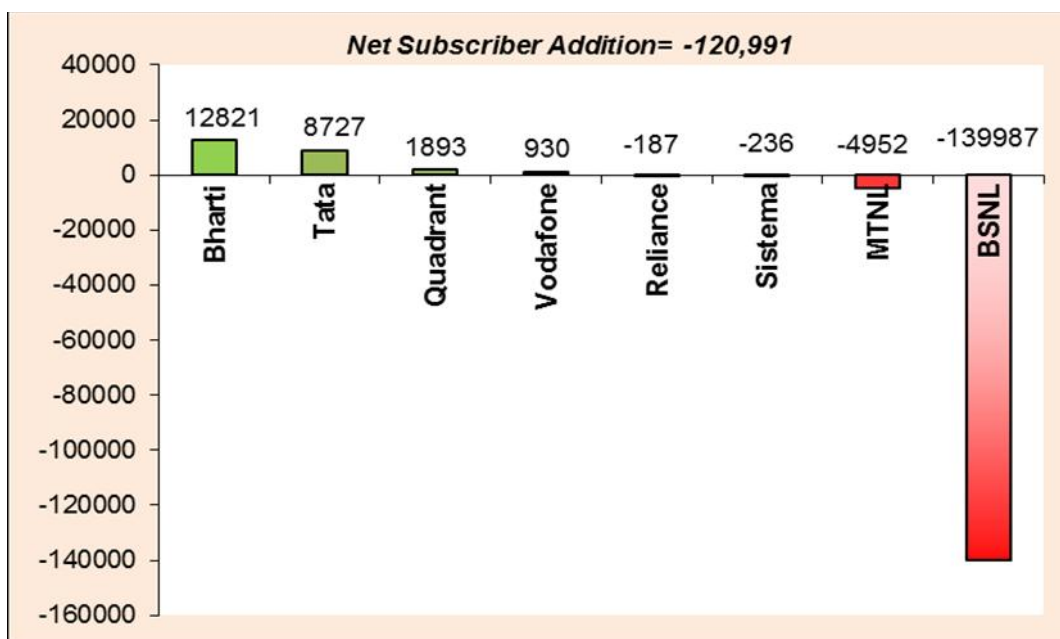
## **v. Wireline Segment**

Wireline subscriber base declined from 29.58 million at the end of July 2013 to 29.46 Million at the end of August 2013. Net reduction in wireline subscriber base was 0.12million at the rate of 0.41%. The share of urban subscribers has increased from 78.22% to 78.31% whereas share of rural subscribers has decreased from 21.78% to 21.69%. The overall wireline Teledensity has decreased from 2.40 in July 2013 to 2.39 in August 2013, with urban and rural Teledensity being 6.13 and 0.75 respectively. BSNL and MTNL, the two PSU operators hold 78.48% of the Wireline market share. Detailed statistics are at Annexure-III. The graphical presentation of market share of all service providers as on 31<sup>st</sup>August 2013 is given below:

### A. Service Provider wise Market Share as on 31<sup>st</sup>August 2013



### F. Wireline Service Provider wise Net addition/decline during August 2013



## **VI. Category wise Growth**

- As can be seen from the following tables, the Circles in Category-B show the highest net addition and Metro Cities show the highest rate of monthly growth in subscriber base in wireless segment. In wireline segment, Metro Cities show the highest net addition and highest rate of monthly growth in subscriber base from July 2013 to August 2013.

### **Category wise Net Additions and subscriber base**

Category	Net Additions during the month of August, 2013		Subscriber Base as on 31 <sup>st</sup> August, 2013	
	Wireline	Wireless	Wireline	Wireless
Circle A	-68785	543091	11671540	313264145
Circle B	-68411	680761	9055671	348155946
Circle C	-33972	61954	1543237	123277550
Metro	50177	556670	7186241	92022822
<b>All India</b>	<b>-120,991</b>	<b>1,842,476</b>	<b>29,456,689</b>	<b>876,720,463</b>

### **Category-wise Growth Rate in Access Service**

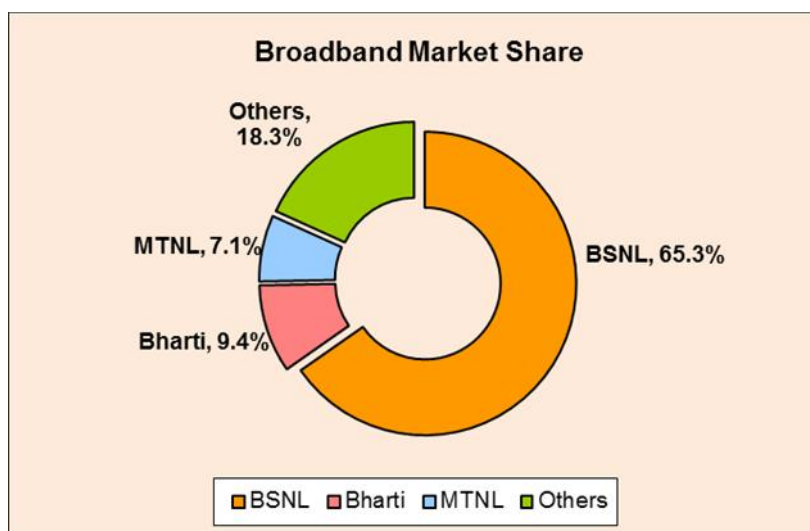
Category	Monthly Rate of Growth (July-2013 to August-2013)		Yearly rate of growth (August-2012 to August-2013)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.59%	0.17%	-5.17%	-2.89%
Circle B	-0.75%	0.20%	-8.60%	-3.30%
Circle C	-2.15%	0.05%	-19.22%	-0.92%
Metro	0.70%	0.61%	1.48%	-9.17%
<b>All India</b>	<b>-0.41%</b>	<b>0.21%</b>	<b>-5.61%</b>	<b>-3.48%</b>

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

## **VII. Broadband ( $\geq$ 256 Kbps download)**

Total Broadband subscriber base has increased from 15.24 million at the end of July 2013 to 15.28 million at the end of August 2013, thereby showing a monthly growth of 0.26%. Yearly growth in broadband subscribers is 3.10% during the last one year (August 2012 to August 2013).

As on 31<sup>st</sup> August 2013, there are 162 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of these, 113 ISPs have provided broadband subscription data for the month of August 2013, for the rest of the ISPs data from previous month has been retained. Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.98 million), Bharti Airtel (1.43 million), MTNL (1.08 million), Hathway (0.37 million) and You Broadband (0.33 million).



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Advisor (F&EA)**

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

Wireless Subscriber Base														Annexure-I
Page 1 of 2														
Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13
Andhra Pradesh	18687740	18797233	7025757	7068318	5867705	5827512	6437001	6414090	11777299	11841114	1850546	1852215	9462258	9430748
Assam	4124458	4164664	2872553	2797143	2527239	2516712	0	0	454738	467449	3573058	3591253	1229270	1231184
Bihar	20336313	20455070	10099084	10146902	6824224	6714586	3435574	3354692	6219068	6134431	4617713	4549294	3796206	3761012
Delhi	9549320	9623075	7799146	7921525	8664884	8771148	2980671	2914262	5041529	5120410	3014411	3103217	0	0
Gujarat	7075725	7095581	7073836	7080826	16345517	16375267	2637561	2621251	8516787	8598851	35773	35773	4312193	4321379
Haryana	2305722	2303020	2338330	2387316	4691657	4650402	2639250	2638911	3832223	3824312	11092	11092	3084036	3079563
Himachal Pradesh	2050762	2069485	1608641	1652661	528579	536436	160906	157200	498508	504266	698467	722024	1539261	1536780
J & K	2491371	2507424	661439	666666	670063	680464	0	0	254455	256201	1963263	1986854	1217294	1224337
Karnataka	16409745	16466244	6845496	6987802	6852639	6880688	5832710	5823244	6445680	6512018	2010834	2099914	7090179	7102915
Kerala	3518732	3569101	3008788	2900724	6401696	6415524	1665553	1648756	8221116	8334452	29883	4883	7945530	7998847
Kolkata	3710519	3725121	4310860	4278873	4360645	4312924	2838353	2855690	1334702	1298540	1971990	2116772	2294715	2288471
Madhya Pradesh	10128619	10136325	13054540	13088860	4121100	4117294	3917536	3912494	15997140	16159265	22694	22694	5100868	5133044
Maharashtra	10099108	10155054	8073865	7659647	13740103	13914757	6098157	6093537	16899373	17141507	1287960	1290048	6514971	6568821
Mumbai	3942595	4027129	6036761	6071016	6668176	6751349	3473845	3446534	3150972	3188846	1661974	1773285	0	0
North East	2812278	2830364	972151	1000492	1049370	1027965	0	0	323097	327257	2324182	2331198	1786335	1795962
Orissa	7194822	7231677	4096834	4308917	3134027	3136595	2035310	2032295	1051642	1044097	2920684	2909434	4529455	4529093
Punjab	7040358	7039163	3289915	3246738	4469107	4469841	2452632	2462960	5842055	5817321	955204	977788	4464036	4454105
Rajasthan	14706557	14780667	5947122	6008917	9194199	9151718	2557082	2482357	5593907	5609610	3488364	3615541	5943014	5886318
Tamil Nadu (incl. Chennai)	13747265	13816251	6704745	6728101	12521250	12599327	5229305	5247431	2392102	2437490	21677757	21809562	9623556	9610099
U.P.(E)	15468807	15390519	10021158	10117706	14584301	14430259	4244771	4244775	7732106	7639518	4334816	4523639	10401924	10281368
U.P.(W)	6504354	6498954	6896294	6938887	9422312	9257263	3765261	3732590	10903107	11019416	109150	109150	4743418	4726569
West Bengal	9483844	9540745	7507486	7697446	11784381	11799332	1662380	1607436	2786600	2743942	3165682	3166750	2985968	2972132
<b>Total</b>	<b>191389014</b>	<b>192222866</b>	<b>126244801</b>	<b>126755483</b>	<b>154423174</b>	<b>154337363</b>	<b>64063858</b>	<b>63690505</b>	<b>125268206</b>	<b>126020313</b>	<b>61725497</b>	<b>62602380</b>	<b>98064487</b>	<b>97932747</b>
<b>Net Addition</b>		<b>833852</b>		<b>510682</b>		<b>-85811</b>		<b>-373353</b>		<b>752107</b>		<b>876883</b>		<b>-131740</b>

Wireless Subscriber Base														Annexure-I	
Page 2 of 2															
Group															
Circle	MTNL		Unitech		Sistema		Loop		Videocon		Quadrant (HFCL)		Total		Net Add.
	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	Jul-13	Aug-13	
Andhra Pradesh	0	0	4474391	4163455	0	0	0	0	0	0	0	0	65582697	65394685	-188012
Assam	0	0	0	0	0	0	0	0	0	0	0	0	14781316	14768405	-12911
Bihar	0	0	4532902	4387014	0	0	0	0	0	0	0	0	59861084	59503001	-358083
Delhi	2602201	2558159	0	0	866151	871408	0	0	0	0	0	0	40518313	40883204	364891
Gujarat	0	0	5050387	4892999	184304	179605	0	0	830170	902144	0	0	52062253	52103676	41423
Haryana	0	0	0	0	0	0	0	0	971242	1024499	0	0	19873552	19919115	45563
Himachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	7085124	7178852	93728
J & K	0	0	0	0	0	0	0	0	0	0	0	0	7257885	7321946	64061
Karnataka	0	0	0	0	1950734	1931565	0	0	0	0	0	0	53438017	53804390	366373
Kerala	0	0	0	0	439481	436656	0	0	0	0	0	0	31230779	31308943	78164
Kolkata	0	0	0	0	767675	764430	0	0	0	0	0	0	21589459	21640821	51362
Madhya Pradesh	0	0	0	0	0	0	0	0	970368	1003140	0	0	53312865	53573116	260251
Maharashtra	0	0	5888346	5778334	0	0	0	0	0	0	0	0	68601883	68601705	-178
Mumbai	1663696	1415220	0	0	0	0	2760361	2825418	0	0	0	0	29358380	29498797	140417
North East	0	0	0	0	0	0	0	0	0	0	0	0	9267413	9313238	45825
Orissa	0	0	0	0	0	0	0	0	0	0	0	0	24962774	25192108	229334
Punjab	0	0	0	0	0	0	0	0	0	0	1556594	1607012	30069901	30074928	5027
Rajasthan	0	0	0	0	2117341	2152924	0	0	0	0	0	0	49547586	49688052	140466
Tamil Nadu (incl. Chennai)	0	0	0	0	1140224	1111428	0	0	0	0	0	0	73036204	73359689	323485
U.P.(E)	0	0	7554439	7768776	0	0	0	0	0	0	0	0	74342322	74396560	54238
U.P.(W)	0	0	5258838	5263136	347253	332071	0	0	0	0	0	0	47949987	47878036	-71951
West Bengal	0	0	0	0	1771852	1789413	0	0	0	0	0	0	41148193	41317196	169003
<b>Total</b>	<b>4265897</b>	<b>3973379</b>	<b>32759303</b>	<b>32253714</b>	<b>9585015</b>	<b>9569500</b>	<b>2760361</b>	<b>2825418</b>	<b>2771780</b>	<b>2929783</b>	<b>1556594</b>	<b>1607012</b>	<b>874877987</b>	<b>876720463</b>	<b>1842476</b>
<b>Net Addition</b>		<b>-292518</b>		<b>-505589</b>		<b>-15515</b>		<b>65057</b>		<b>158003</b>		<b>50418</b>		<b>1842476</b>	

Proportion of VLR on the date of Peak VLR in the month of Aug, 2013 (%) Annexure-II														
Circle	Aircel	Bharti	BSNL	Quadrant (HFCL)	Idea	Loop	MTNL	Reliance	Sistema	Tata	Unitech	Videocon	Vodafone	Total
Andhra Pradesh	53.28	96.54	66.10		97.16			81.88		72.77	63.15		91.67	84.56
Assam	86.08	98.27	70.92		87.65			78.60					95.24	88.45
Bihar	64.38	95.71	51.52		98.97			84.75		57.40	72.82		96.68	85.25
Delhi	63.94	78.05			98.19		47.64	93.53	47.12	66.45			96.67	83.11
Gujarat	63.27	95.04	62.31		97.24			90.73	42.23	66.01	65.23	50.05	93.66	86.43
Haryana	9.55	97.20	51.82		95.44			86.35		63.84		54.84	95.51	81.50
Himachal Pradesh	55.21	96.27	73.38		106.73			80.29		58.84			103.12	83.99
J & K	84.84	96.41	69.76		86.98			58.24					89.27	84.34
Karnataka	56.70	98.97	56.33		96.44			84.75	59.05	78.01			92.61	85.02
Kerala	60.11	98.24	65.12		98.14			75.71	54.50	76.80			92.16	84.67
Kolkata	86.56	96.55	33.91		94.95			95.06	57.05	79.96			96.36	84.93
Madhya Pradesh	12.30	95.95	54.49		103.19			82.79		71.32		53.97	90.61	87.92
Maharashtra	52.28	97.96	71.72		99.19			94.44		76.50	65.60		97.71	89.82
Mumbai	56.74	96.19			89.46	49.08	60.54	94.26		69.15			91.77	82.30
North East	74.10	97.80	52.76		81.94			75.52					90.28	79.40
Orissa	63.42	96.46	59.26		81.93			75.60		72.67			88.54	78.88
Punjab	44.75	96.34	53.93	57.30	94.71			90.50		63.62			93.90	82.31
Rajasthan	72.40	93.63	46.80		101.76			95.45	52.21	66.64			98.69	85.46
Tamil Nadu (incl. Chennai)	57.02	94.47	48.40		82.00			86.18	56.93	62.78			95.50	73.47
U.P. (E)	66.50	95.09	44.02		98.95			81.82		57.96	70.45		100.58	81.26
U.P. (W)	31.92	89.84	49.40		97.81			85.40	42.64	58.93	75.66		100.15	84.60
West Bengal	64.73	95.97	58.39		93.46			90.96	69.19	57.17			99.19	88.02
Total	63.84	95.05	56.00	57.30	97.80	49.08	52.23	86.68	56.82	68.36	69.02	53.07	95.94	83.94





### VLR Subscribers in the Wireless Segment

**Home Location Register (HLR)** is a central database that contains details of each mobile phone subscriber that is authorized to use the GSM core network. The HLRs store details of every SIM card issued by the mobile phone operator. Each SIM has a unique identifier called an International Mobile Subscriber Identity (IMSI), which is the primary key to each HLR record. The HLR data is stored for as long as a subscriber remains with the mobile phone operator. HLR also manages the mobility of subscribers by means of updating their position in administrative areas. It sends the subscriber data to a Visitor Location Register (VLR).

**Subscriber numbers** reported by the service providers is the difference between the numbers of IMSI registered in service provider's Home Location Register(HLR) and sum of other figures as given below:-

1	Total IMSI's in HLR (A)
2	Less: (B=a + b + c + d + e)
a.	Test/Service Cards
b.	Employees
c.	Stock in hand/in Distributional Cannels (Active Card)
d.	Subscriber Retention period expired
e.	Service suspended pending disconnection
3	Subscribers Base (A-B)

**Visitor Location Register (VLR)** is a temporary database of the subscribers who have roamed into the particular area, which it serves. Each base station in the network is served by exactly one VLR; hence a subscriber cannot be present in more than one VLR at a time.

If subscriber is in active stage i.e. he is able to send/receive calls/SMSs he is available both in HLR and VLR. However, it may be possible that the subscriber is registered in HLR but not in VLR due to the reason that he is either switched-off or moved out of coverage area, not reachable etc. In such circumstances he will be available in HLR but not in VLR. This causes difference between subscriber number reported by the service providers and numbers available in VLR.

The VLR data calculated here is on the basis of active subscribers in VLR on the date of Peak VLR of the particular month for which the data is being collected. This data is to be taken from the switches having the purge time of not more than 72 hours.

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