

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 3<sup>rd</sup> August 2012

(www.traai.gov.in)

**Highlights on Telecom Subscription Data as on 30<sup>th</sup> June 2012**

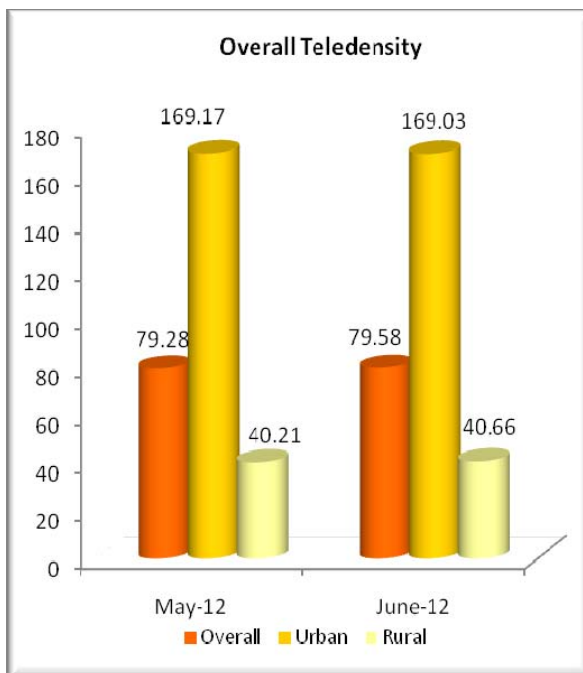
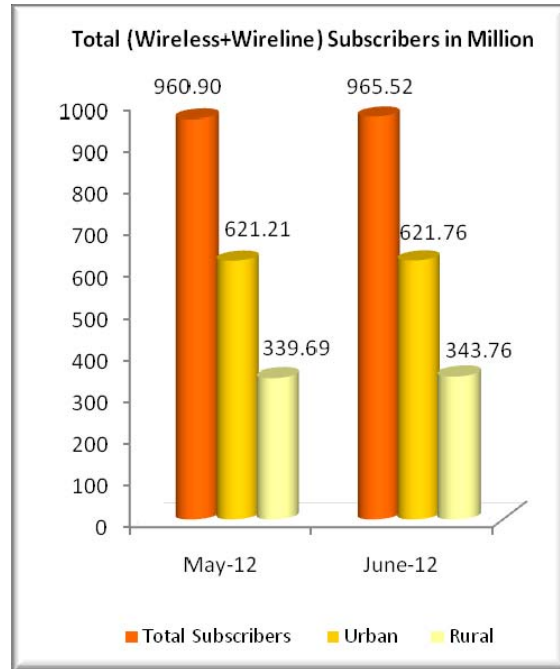
<b>Particulars</b>	<b>Wireless</b>	<b>Wireline</b>	<b>Total</b> Wireless+ Wireline
<b>Total Subscribers</b> (Millions)	<b>934.09</b>	<b>31.43</b>	<b>965.52</b>
Total Net Monthly Addition (Millions)	4.73	-0.10	4.62
Monthly Growth (%)	0.51%	-0.33%	0.48%
<b>Urban Subscribers</b> (Millions)	<b>597.59</b>	<b>24.17</b>	<b>621.76</b>
Urban Subscribers Net Monthly Addition (Millions)	0.60	-0.05	0.55
Monthly Growth (%)	0.10%	-0.21%	0.09%
<b>Rural Subscribers</b> (Millions)	<b>336.51</b>	<b>7.25</b>	<b>343.76</b>
Rural Subscribers Net Monthly Addition (Millions)	4.12	-0.05	4.07
Monthly Growth (%)	1.24%	-0.74%	1.20%
<b>Overall Teledensity*</b>	<b>76.99</b>	<b>2.59</b>	<b>79.58</b>
Urban Teledensity*	162.46	6.57	169.03
Rural Teledensity*	39.80	0.86	40.66
Share of Urban Subscribers	63.98%	76.92%	64.40%
Share of Rural Subscribers	36.02%	23.08%	35.60%

- ❖ Mobile Number Portability requests increased from 50.16 million subscribers at the end of May 2012 to 54.33 million at the end of June 2012. In the month of June 2012 alone, 4.16 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in June 2012 are 695.82 Million, 74.49% of the total subscribers.
- ❖ Broadband subscription reached 14.50 million in June 2012 from 14.31 million in May 2012.

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

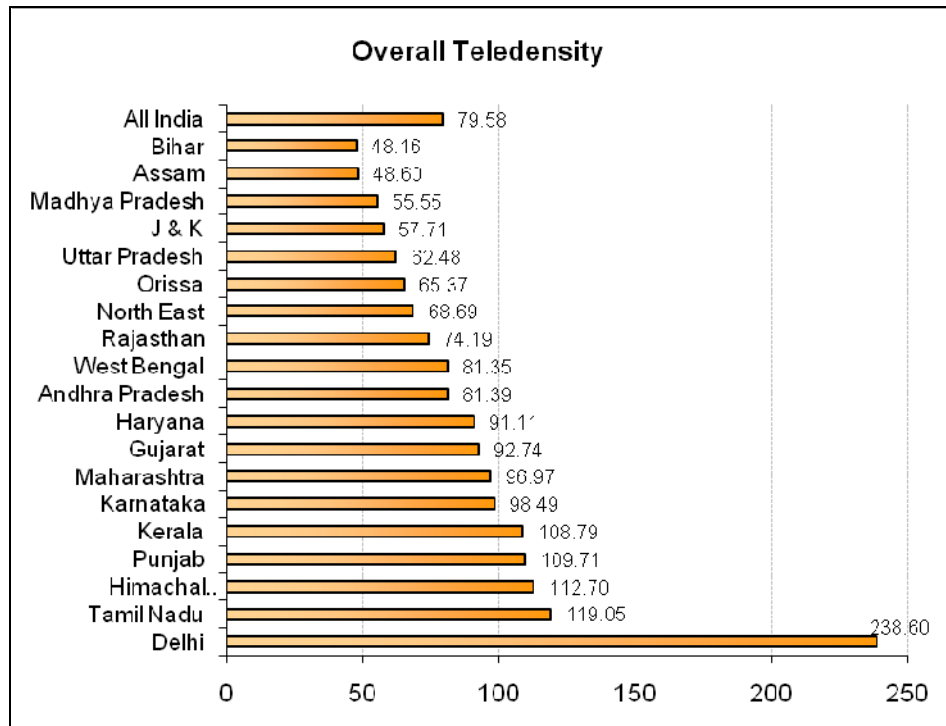
## I. Total Telephone Subscribers

• The number of telephone subscribers in India increased to 965.52 million at the end of June, 2012 from 960.90 million at the end of May 2012, thereby registering a growth rate of 0.48%. The share of urban subscribers has declined to 64.40% from 64.65% whereas share of rural subscribers has increased to 35.60% in the month of June 2012. With this, the overall Teledensity in India reaches to 79.58 at the end of June, 2012 from 79.28 of the previous month.



• Subscription in urban areas increased from 621.21 million in May, 2012 to 621.76 million at the end of June, 2012. Subscription in rural areas increased from 339.69 million to 343.76 million during the same period. The monthly growth rate of urban and rural subscription is 0.09% and 1.20% respectively. The overall urban Teledensity has decreased from 169.17 to 169.03 and Rural Teledensity increased from 40.21 to 40.66.

## Overall Teledensity (Circle Wise)

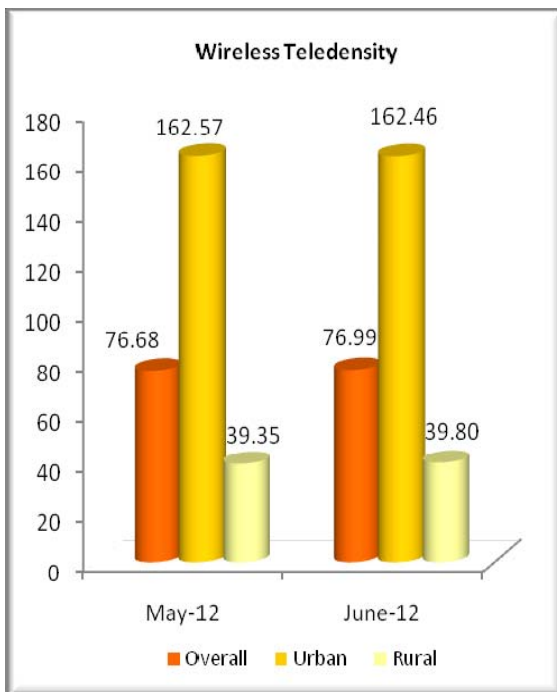
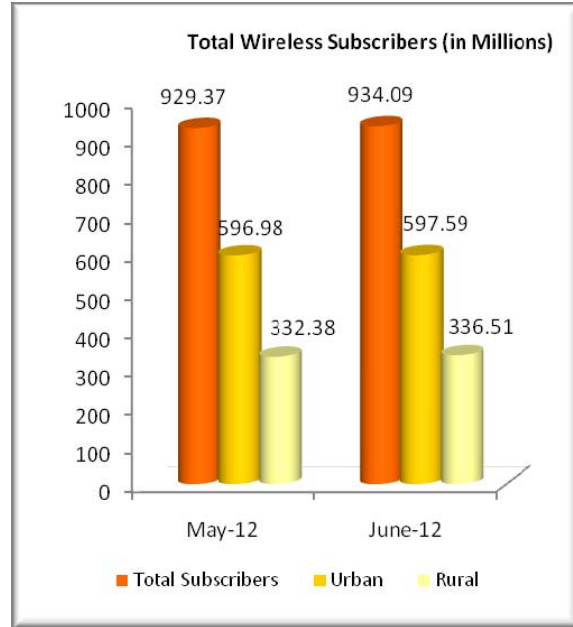


### Notes:

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)

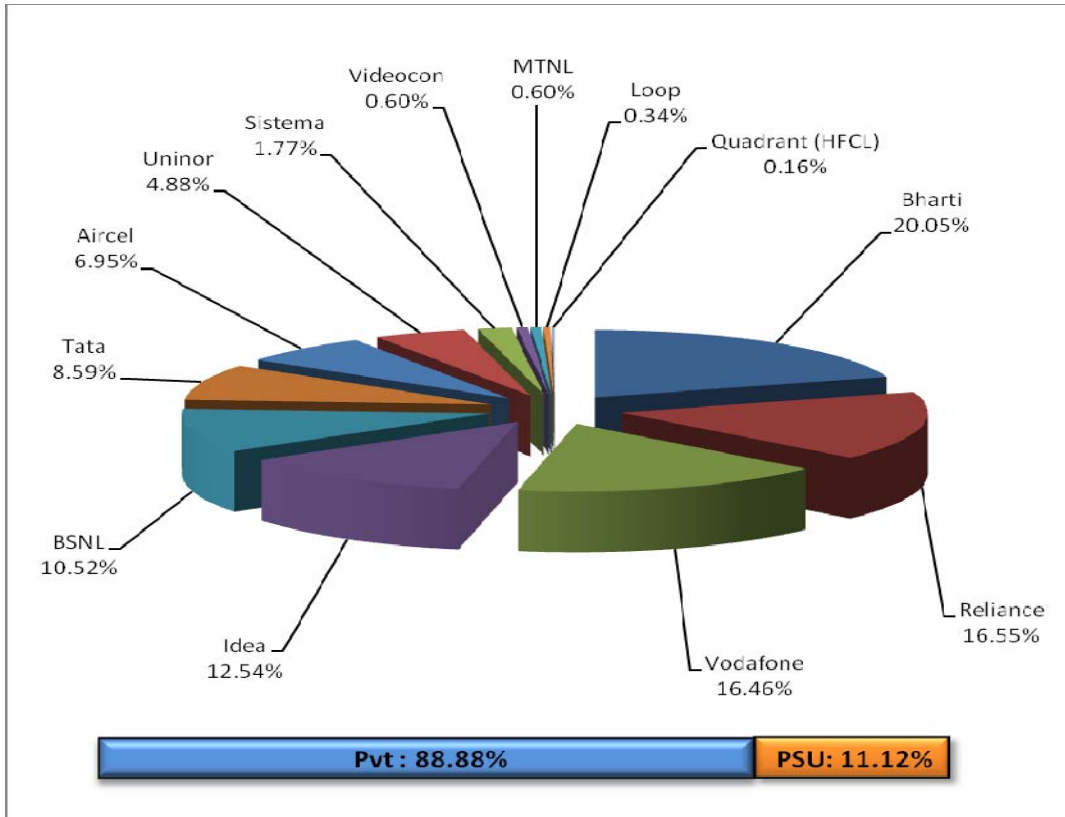
- Total wireless subscriber base increased from 929.37 million in May 2012 to 934.09 million at the end of June 2012, registering a growth of 0.51%. The share of urban wireless subscribers has decreased from 64.24% to 63.98% where as share of rural wireless subscribers has increased from 35.76% to 36.02%. The overall wireless Teledensity in India reaches 76.99.



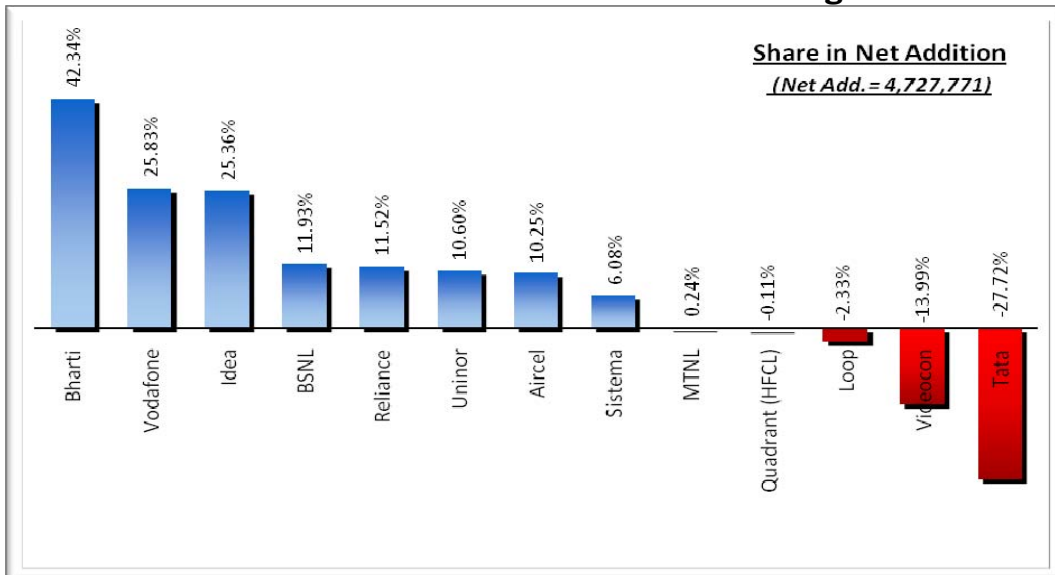
- Wireless subscription in urban areas increased from 596.98 million in May 2012 to 597.59 million at the end of June 2012. The wireless subscription in rural areas increased from 332.38 million to 336.51 million during the same period. This shows higher growth in rural wireless subscription (1.24%) than urban wireless subscription (0.51%). The urban wireless Teledensity has decreased from 162.57 to 162.46 and rural Teledensity has increased from 39.35 to 39.80. Detailed statistics is at Annexure I.

- Private operators hold 88.88% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.12% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of June, 2012 are given below:

**A. Service Provider wise Market Share as on 30<sup>th</sup> June, 2012.**



**B. Service Providers' share in net additions during June 2012**

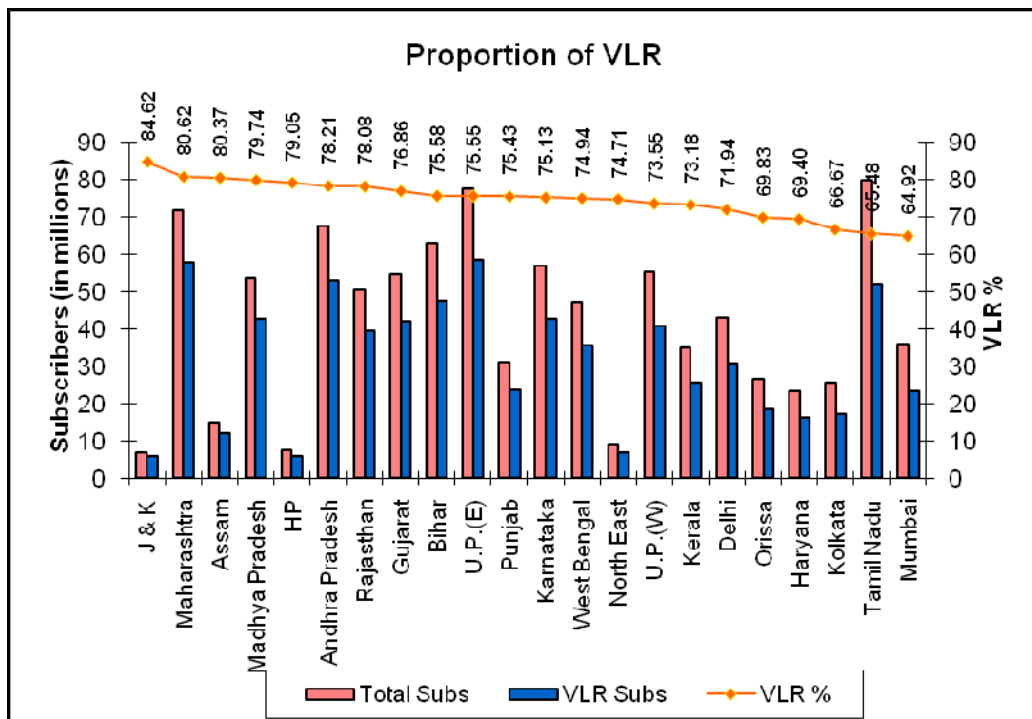


### III. VLR Data

Out of the total 934.09 million wireless subscribers, 695.82\* million were active on the date of Peak VLR for the month of June 2012. The proportion of VLR subscribers is approximately 74.49% of the total wireless subscriber base reported by the service providers.

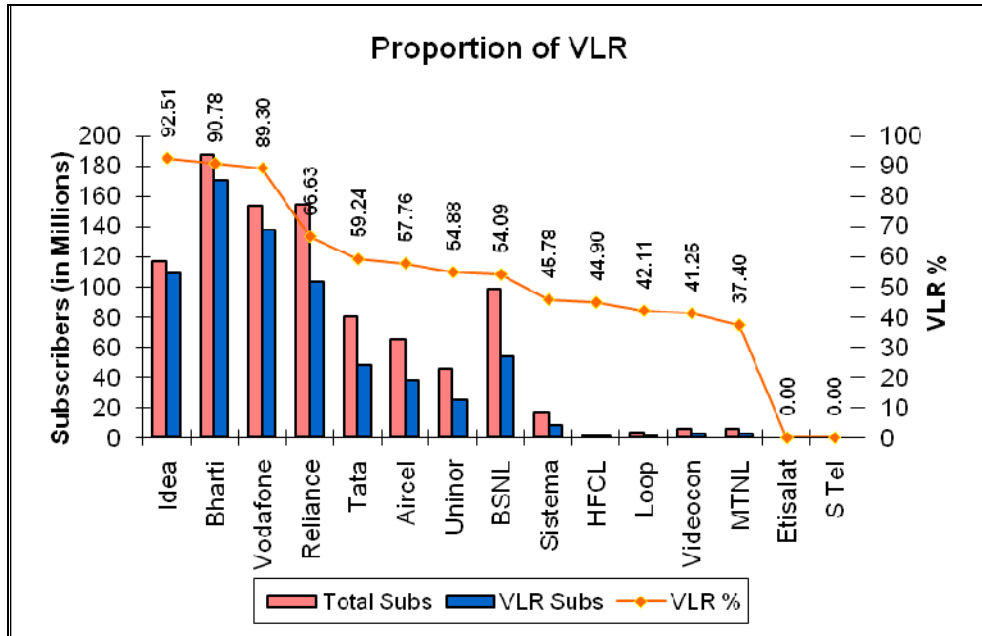
Circle-wise, J&K has the highest proportion of VLR subscribers with 84.62% followed by Maharashtra (80.62%) and Assam (80.37%); Mumbai has the lowest proportion with 64.92%. Service Provider wise, Idea leads the tally with 92.51% followed by Bharti (90.78%). The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

#### Proportion of VLR subscribers (Circle wise)



\* The total active VLR number excludes the CDMA VLR figure of BSNL as the service provider has not provided the VLR figures of their total CDMA subscriber base of 3.49 million.

**Proportion of VLR subscribers (Service Provider wise)**



#### **IV. Mobile Number Portability**

As per the data reported by the service providers, by the end of June 2012 about 54.33 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 (5.06 million) followed by Gujarat (4.94 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (6.43 million) followed by Andhra Pradesh Service area (5.20 million). In the month of June 2012, total number of subscribers who have submitted their request for MNP is 4.16 million. The status of MNP requests in various service areas is given below:

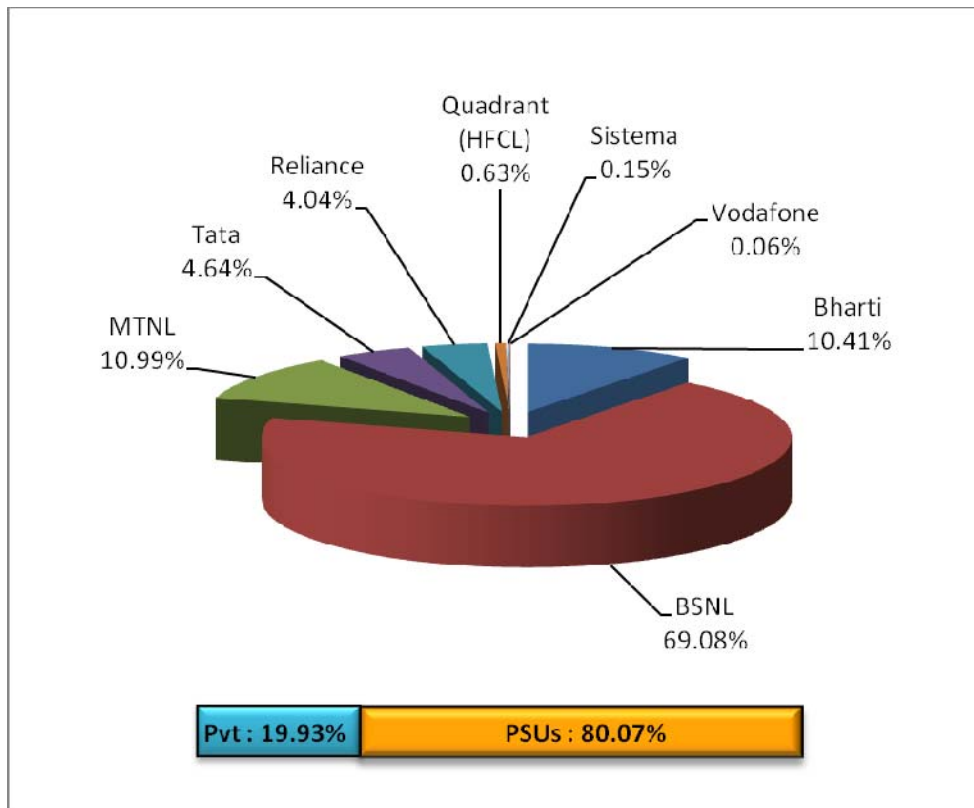
<b>Service Area Wise MNP Status at the end of June 2012</b>			
<b>Zone - 1</b>		<b>Zone - 2</b>	
<b>Service Area</b>	<b>Number of Porting Requests</b>	<b>Service Area</b>	<b>Number of Porting Requests</b>
Delhi	2027214	Andhra Pradesh	5202957
Gujarat	4944698	Assam	182319
Himachal Pradesh	236535	Bihar	1076507
Haryana	2195961	Karnataka	6428904
Jammu & Kashmir	8382	Kerala	2502641
Maharashtra	4487873	Kolkata	1083911
Mumbai	1906854	Madhya Pradesh	3200013
Punjab	1927931	North East	70340
Rajasthan	5061178	Orissa	1038192
Uttar Pradesh - East	3166424	Tamil Nadu	3007643
Uttar Pradesh - West	3077215	West Bengal	1492944
<b>Total</b>	<b>29040265</b>	<b>Total</b>	<b>25286371</b>
<b>Total (Zone-1 + Zone-2)</b>			<b>54326636</b>
<b>Net Addition (in June 2012)</b>			<b>4163761</b>



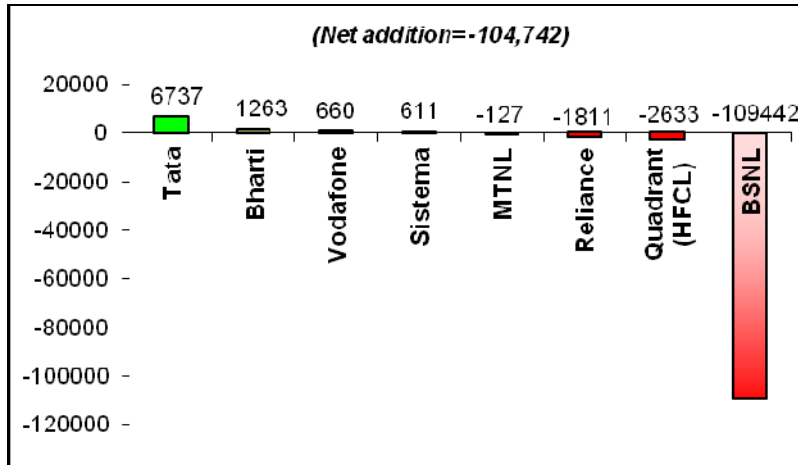
## v. Wireline Segment

Wireline subscriber base declined from 31.53 million at the end of May 2012 to 31.43 Million at the end of June 2012. Net reduction in wireline subscriber base was 1.05 lakhs. The share of urban subscribers has increased from 76.82% to 76.92% where as share of rural subscribers has declined from 23.18% to 23.08%. The overall wireline Teledensity has marginally decreased from 2.60 in May 2012 to 2.59 in June 2012, with urban and rural Teledensity being 6.57 and 0.86 respectively. BSNL and MTNL, the two PSU operators hold 80.07% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service providers as on 30<sup>th</sup> June 2012 is given below:

### A. Service Provider wise Market Share as on 30<sup>th</sup> June 2012



**B. Wireline Service Provider wise Net addition during June 2012:**



## **VI. Category wise Growth**

- As can be seen from the following tables, while the Circles in Category A show the highest net addition and the highest rate of monthly growth in the wireless sector from May 2012 to June 2012. In wireline segment, the Circles in Category B have shown the highest reduction in subscriber base and highest monthly rate of reduction.

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

Category	Net Additions during the month of June, 2012		Subscriber Base as on 30 <sup>th</sup> June, 2012	
	Wireline	Wireless	Wireline	Wireless
Circle A	-40,692	2,406,515	12,381,795	329,922,146
Circle B	-48,046	1,569,473	10,041,685	372,721,412
Circle C	-6,359	697,485	1,917,222	127,270,468
Metro	-9,644	54,298	7,087,532	104,180,180
<b>All India</b>	<b>-104,742</b>	<b>4,727,771</b>	<b>31,428,234</b>	<b>934,094,206</b>

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

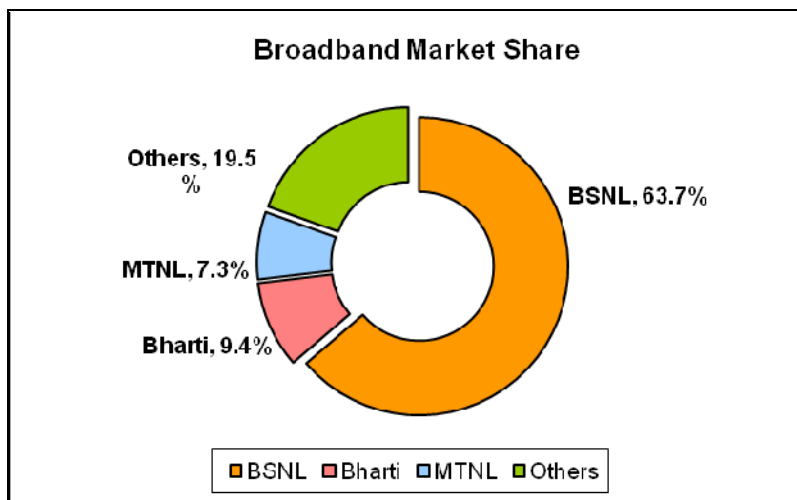
Category	Monthly Rate of Growth (May-2012 to June-2012)		Yearly rate of growth (June-2011 to June-2012)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.33%	0.73%	-6.09%	10.00%
Circle B	-0.48%	0.42%	-9.12%	11.00%
Circle C	-0.33%	0.55%	-32.25%	10.99%
Metro	-0.14%	0.05%	-1.95%	2.84%
<b>All India</b>	<b>-0.33%</b>	<b>0.51%</b>	<b>-8.35%</b>	<b>9.67%</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 14.31 million at the end of May 2012 to 14.50 million at the end of June 2012, there by showing a monthly growth of 1.36%. Yearly growth in broadband subscribers is 17.70% during the last one year (July 2011 to June 2012).

As on 30<sup>th</sup> June 2012, there are 155 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of this only 121 ISPs have provided data for the month of June 2012, 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 (9.24 million), Bharti Airtel (1.37 million), MTNL (1.06 million), You Broadband (0.63 million) and Hathway (0.36 million).



Contact details in case of any clarification:

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

## Wireless Subscriber Base

Annexure-I

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Group

Circle	Bharti		Reliance		Vodafone		Tata		Idea		Aircel/Dishnet	
	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12
Andhra Pradesh	18679836	18841936	8136346	8195550	6270455	6273477	7825568	7906670	10294786	10545813	1744165	1820961
Assam	3799378	3877114	2984741	3064741	2309846	2353212	128337	131044	335249	359132	3771391	3838600
Bihar	18025925	18296280	9823750	9487767	6262209	6476332	4968971	4801174	5944765	5964298	5350257	5147125
Delhi	8885121	8952797	9204039	9222550	8778280	8888365	4516814	4093170	4866369	4853688	2698712	2781763
Gujarat	7213659	7336115	8434141	8465703	16032077	16047103	3755897	3662749	8383355	8606504	770338	769189
Haryana	2483234	2501314	4320744	4360164	4546396	4551481	2930530	2901570	3869529	3876555	584752	628661
Himachal Pradesh	1872335	1902855	1896927	1942244	484269	485278	403743	314463	477999	489163	736005	753575
J & K	2148764	2193528	561353	576149	717887	719029	111129	109105	192731	195572	1749242	1766692
Karnataka	15645090	15852404	8352387	8354818	6854983	6902042	7324007	6987564	5790809	5959122	1263632	1261944
Kerala	3602889	3681654	4357425	4376315	5978008	6012026	2406801	2402131	7540664	7695590	1852675	1873532
Kolkata	3893000	3901408	5602243	5772238	4270427	4271456	3073675	3178452	1338618	1304676	1860604	1870717
Madhya Pradesh	9918789	10076720	12882965	12919142	4247390	4248401	4830024	4886653	14330482	14499964	1012868	999014
Maharashtra	10127271	10320201	11322599	11341905	13178400	13265420	8372129	8168829	15294250	15425757	1116543	1079177
Mumbai	3748709	3766361	8836374	8850031	5826799	5891077	4336685	4210266	2871872	2947341	1302414	1354795
North East	2423281	2504849	984146	994562	979593	1003492	76967	79068	218076	232322	2418523	2453678
Orissa	6529593	6605276	4653597	4824842	2648169	2703151	2501732	2517265	1054471	1052624	2843453	2782969
Punjab	6982024	6988686	4097846	4178159	4568041	4574450	3122023	2810416	5596731	5645347	968341	996674
Rajasthan	14679279	14761190	7338401	7532516	9230201	9246683	3665805	3741059	4383118	4469297	2034203	2192300
Tamil Nadu (incl. Chennai)	13561027	13686162	8940053	8890969	12364531	12563317	4856922	5113005	2179223	2231538	22140683	22358680
U.P.(E)	15143698	15254217	13108795	12745442	15399111	15400233	4765645	4617295	8063123	7925598	2972795	3029969
U.P.(W)	6708970	6735887	10380443	10396972	9773537	9826547	4693732	4657745	10648195	10631230	2152649	2200315
West Bengal	9228421	9265276	7836706	8107947	11766661	12005875	2870351	2937096	2291189	2253211	3048179	2916474
<b>Total</b>	<b>185300293</b>	<b>187302230</b>	<b>154056021</b>	<b>154600726</b>	<b>152487270</b>	<b>153708447</b>	<b>81537487</b>	<b>80226789</b>	<b>115965604</b>	<b>117164342</b>	<b>64392424</b>	<b>64876804</b>
<b>Net Addition</b>		<b>2001937</b>		<b>544705</b>		<b>1221177</b>		<b>-1310698</b>		<b>1198738</b>		<b>484380</b>

## Wireless Subscriber Base

Annexure-I

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Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12
Andhra Pradesh	9022124	9136025	0	0	3941629	4056918	684483	682434	0	0	9877	9876
Assam	1270652	1271079	0	0	387	521	1196	1247	0	0	0	0
Bihar	6025050	6031428	0	0	4914340	4852738	1630747	1688266	0	0	18868	18867
Delhi	0	0	2803850	2819000	0	0	1198408	1194507	0	0	0	0
Gujarat	4198590	4197708	0	0	4008642	4059900	182326	198096	0	0	1341986	1157060
Haryana	3009436	3033384	0	0	659	649	238090	234403	0	0	1014820	1007896
Himachal Pradesh	1462490	1481677	0	0	171	166	75	76	0	0	77054	77037
J & K	1088955	1112313	0	0	289	302	22	22	0	0	0	0
Karnataka	6958741	6997522	0	0	2165689	2203556	2263223	2322809	0	0	8396	8365
Kerala	7262335	7308870	0	0	742113	738427	611582	623707	0	0	150651	148370
Kolkata	2416083	2412108	0	0	1894211	1981179	893897	883569	0	0	4096	4096
Madhya Pradesh	4812189	4841827	0	0	1158	1320	2542	2704	0	0	1264621	1064985
Maharashtra	5956990	6099711	0	0	4887291	5134325	733675	724899	0	0	8821	8820
Mumbai	0	0	2754648	2750722	1494773	1554571	551888	571841	3260585	3150650	942688	746786
North East	1657815	1673423	0	0	72	89	172	176	0	0	0	0
Orissa	4460597	4462244	0	0	1563893	1588820	661	734	0	0	10673	10673
Punjab	4317368	4350347	0	0	1126	1210	968	1016	0	0	0	0
Rajasthan	5666008	5706170	0	0	1056	1079	2513881	2578112	0	0	8443	8392
Tamil Nadu (incl. Chennai)	9569039	9555128	0	0	2371433	2221039	1636223	1643605	0	0	1341291	1269726
U.P.(E)	10056126	10056118	0	0	7633503	7774581	585877	611580	0	0	14882	14876
U.P.(W)	4863549	4920087	0	0	5287439	5242602	603680	637976	0	0	6067	6067
West Bengal	3638992	3630108	0	0	4166621	4163771	1928771	1948057	0	0	17208	17194
<b>Total</b>	<b>97713129</b>	<b>98277277</b>	<b>5558498</b>	<b>5569722</b>	<b>45076495</b>	<b>45577763</b>	<b>16262387</b>	<b>16549836</b>	<b>3260585</b>	<b>3150650</b>	<b>6240442</b>	<b>5579086</b>
<b>Net Addition</b>		<b>564148</b>		<b>11224</b>		<b>501268</b>		<b>287449</b>		<b>-109935</b>		<b>-661356</b>

## Wireless Subscriber Base

## Annexure-I

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Circle	Group						Total		Net Add.
	S-Tel		Quadrant (HFCL)		Etisalat		May-12	Jun-12	
	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	
Andhra Pradesh	0	0	0	0	0	0	66609269	67469660	860391
Assam	0	0	0	0	0	0	14601177	14896690	295513
Bihar	0	0	0	0	0	0	62964882	62764275	-200607
Delhi	0	0	0	0	0	0	42951593	42805840	-145753
Gujarat	0	0	0	0	0	0	54321011	54500127	179116
Haryana	0	0	0	0	0	0	22998190	23096077	97887
Himachal Pradesh	0	0	0	0	0	0	7411068	7446534	35466
J & K	0	0	0	0	0	0	6570372	6672712	102340
Karnataka	0	0	0	0	0	0	56626957	56850146	223189
Kerala	0	0	0	0	0	0	34505143	34860622	355479
Kolkata	0	0	0	0	0	0	25246854	25579899	333045
Madhya Pradesh	0	0	0	0	0	0	53303028	53540730	237702
Maharashtra	0	0	0	0	0	0	70997969	71569044	571075
Mumbai	0	0	0	0	0	0	35927435	35794441	-132994
North East	0	0	0	0	0	0	8758645	8941659	183014
Orissa	0	0	0	0	0	0	26266839	26548598	281759
Punjab	0	0	1515800	1510534	0	0	31170268	31056839	-113429
Rajasthan	0	0	0	0	0	0	49520395	50236798	716403
Tamil Nadu (incl. Chenna	0	0	0	0	0	0	78960425	79533169	572744
U.P.(E)	0	0	0	0	0	0	77743555	77429909	-313646
U.P.(W)	0	0	0	0	0	0	55118261	55255428	137167
West Bengal	0	0	0	0	0	0	46793099	47245009	451910
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1515800</b>	<b>1510534</b>	<b>0</b>	<b>0</b>	<b>929366435</b>	<b>934094206</b>	<b>4727771</b>
<b>Net Addition</b>		<b>0</b>		<b>-5266</b>		<b>0</b>		<b>4727771</b>	

**Proportion of VLR on the date of Peak VLR in the month of June, 2012 (%) Annexure-II**

Circle	Aircel	Bharti	BSNL (Except CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	64.89	92.80	70.09	0.00		92.60			67.32		55.11	64.29	54.71	0.22	75.51	<b>78.21</b>
Assam	78.31	94.90	64.06			84.00	0.00		67.12	0.00	96.63	70.62			85.82	<b>80.37</b>
Bihar	45.53	96.45	34.58	0.00		94.71			80.13	0.00	36.47	51.76	54.64	1.05	98.18	<b>75.58</b>
Delhi	53.00	76.31		0.00		85.25		41.45	73.74		28.06	53.74			88.26	<b>71.94</b>
Gujarat	70.25	86.51	58.86	0.00		89.04			65.77		41.05	60.47	53.51	47.54	88.99	<b>76.86</b>
Haryana	44.33	89.56	50.61			88.54			48.52			61.30		40.90	91.69	<b>69.40</b>
Himachal Pradesh	59.13	97.35	73.65			98.94			68.20		197.37	48.18		7.34	109.47	<b>79.05</b>
J & K	85.41	97.11	67.68			89.42			69.89			72.66			83.10	<b>84.62</b>
Karnataka	53.31	94.13	54.27	0.00		90.20			61.64		56.86	64.94	52.15	0.26	81.04	<b>75.13</b>
Kerala	52.77	87.95	65.35	0.00		94.60			55.76		48.57	58.31	34.89	6.27	85.38	<b>73.18</b>
Kolkata	52.85	83.55	33.36			73.27	0.00		66.61		51.43	67.66	43.70		87.33	<b>66.67</b>
Madhya Pradesh	47.72	84.76	53.45	0.00		100.61	0.00		73.24		44.79	66.17		50.62	76.83	<b>79.74</b>
Maharashtra	52.40	88.32	72.73	0.00		96.89			65.26		52.25	66.88	63.07	1.50	91.65	<b>80.62</b>
Mumbai	50.37	85.25		0.00		80.96	42.11	33.25	71.03		23.86	52.83	50.72	42.79	84.22	<b>64.92</b>
North East	69.23	92.77	54.92			82.63	0.00		64.53	0.00		72.15			84.47	<b>74.71</b>
Orissa	52.13	95.12	56.74			66.39	0.00		61.83	0.00	81.47	55.46	52.16	0.36	87.53	<b>69.83</b>
Punjab	53.95	89.93	54.39	0.00	44.90	91.66	0.00		60.13		36.81	63.23			89.50	<b>75.43</b>
Rajasthan	84.41	90.38	49.58	0.00		103.36	0.00		63.71		42.81	57.09		2.41	92.44	<b>78.08</b>
Tamil Nadu	52.50	94.57	47.74	0.00		66.51			56.42		49.95	52.61	45.12	36.58	90.42	<b>65.48</b>
U.P.(E)	42.50	95.72	43.54	0.00		94.82			67.74		34.60	56.31	62.37	1.36	93.65	<b>75.55</b>
U.P.(W)	94.23	82.00	46.16	0.00		91.27			60.00		37.58	55.28	53.67	0.97	93.64	<b>73.55</b>
West Bengal	61.91	88.92	48.10			82.69			76.57		58.20	40.80	52.19	0.84	91.93	<b>74.94</b>
<b>Total</b>	<b>57.76</b>	<b>90.78</b>	<b>54.09</b>	<b>0.00</b>	<b>44.90</b>	<b>92.51</b>	<b>42.11</b>	<b>37.40</b>	<b>66.63</b>	<b>0.00</b>	<b>45.78</b>	<b>59.24</b>	<b>54.88</b>	<b>41.25</b>	<b>89.30</b>	<b>74.49</b>

\* M/s Etisalat, S Tel and Loop (except for Mumbai circle) have submitted that there are no active subscribers on their network hence, their figures have been taken as Zero.



**Wireline Subscriber Base**

**Annexure-III**

Circle	Group																Total		Net Add
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone				
	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12	May-12	Jun-12			
Andhra Pradesh	1935846	1922974			125387	125433	89061	89099	174341	174947					3090	3090	2327725	2315543	-12182
Assam	200833	199830							2627	2665							203460	202495	-965
Bihar	547895	544975					4919	4905	10487	10909							563301	560789	-2512
Delhi			1567777	1570461	1079303	1079748	183728	183822	80311	81863					5940	5970	2917059	2921864	4806
Gujarat	1588543	1580732			55272	55292	108281	107459	65556	65515					90	120	1817742	1809118	-8624
Haryana	535648	532725			23896	23903	5034	5034	21739	22679							586317	584341	-1976
Himachal Pradesh	298222	296623					4462	4462	2025	2063							304709	303148	-1561
J & K	203609	202242							339	340							203948	202582	-1366
Karnataka	1745544	1731473			490602	490790	111051	111119	127081	128486					2100	2280	2476378	2464148	-12229
Kerala	3050733	3041951			55791	55809	56452	56490	12342	12412							3175318	3166662	-8656
Kolkata	967349	955497			93669	93708	81042	80966	32264	32427					840	900	1175164	1163498	-11666
Madhya Pradesh	841379	838846			241222	241314	33772	33044	12643	12965					30	30	1129046	1126199	-2847
Maharashtra	2225940	2215255			70151	70178	102572	102638	237029	238307					390	390	2636082	2626768	-9314
Mumbai			1886543	1883732	330978	331100	232062	232221	549730	549117					5640	6000	3004953	3002170	-2784
North East	251798	251540							237	236							252035	251776	-259
Orissa	384660	384847					4138	4154	7240	7341					90	90	396128	396432	304
Punjab	1084402	1082578			105707	105733	30306	29585	15960	15841	199103	196470			150	90	1435628	1430297	-5331
Rajasthan	1024683	1014092			39266	39291	26243	26291	5996	6018			47896	48507	120	180	1144204	1134379	-9825
Tamil Nadu (incl. Chennai)	2464244	2465420			484762	484941	148618	148672	66127	66375					810	810	3164561	3166218	1657
U.P. (E)	1099707	1084024			50432	50451	41026	41054	13659	13833							1204824	1189362	-15461
U.P. (W)	753129	751193			24258	24266	5319	5256	7986	8048							790692	788763	-1929
West Bengal	615500	613405					2184	2188	6019	6088							623703	621681	-2022
<b>Total</b>	<b>21819664</b>	<b>21710222</b>	<b>3454320</b>	<b>3454193</b>	<b>3270695</b>	<b>3271958</b>	<b>1270270</b>	<b>1268459</b>	<b>1451738</b>	<b>1458475</b>	<b>199103</b>	<b>196470</b>	<b>47896</b>	<b>48507</b>	<b>19290</b>	<b>19950</b>	<b>31532976</b>	<b>31428234</b>	<b>-104742</b>
<b>Net Addition</b>		<b>-109442</b>		<b>-127</b>		<b>1263</b>		<b>-1811</b>		<b>6737</b>		<b>-2633</b>		<b>611</b>		<b>660</b>		<b>-104742</b>	

**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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