

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 16<sup>th</sup> August 2013  
(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 31<sup>st</sup> May 2013**

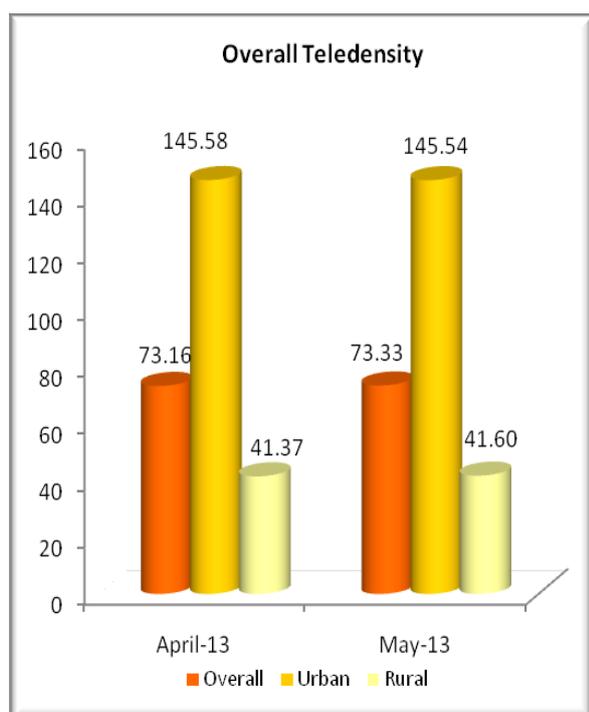
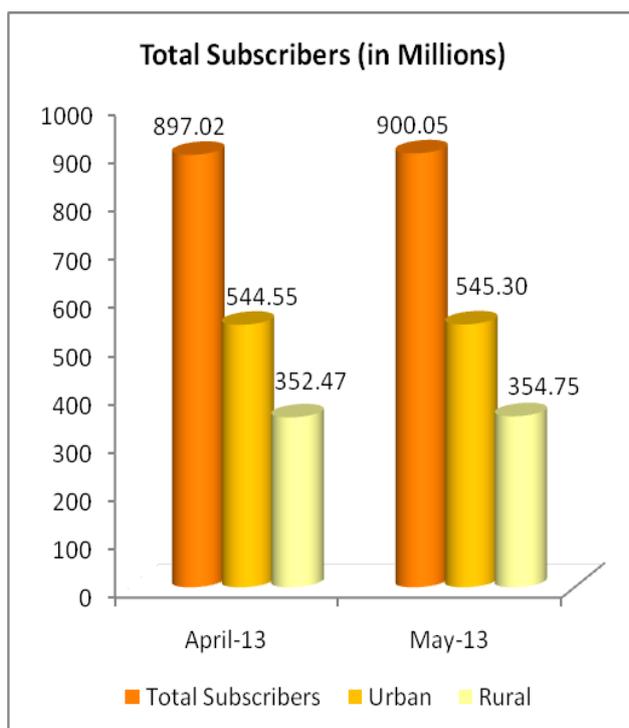
Particulars	Wireless	Wireline	Total Wireless + Wireline
<b>Total Subscribers</b> (Millions)	<b>870.20</b>	<b>29.85</b>	<b>900.05</b>
Total Net Monthly Addition (Millions)	3.18	-0.14	3.04
Monthly Growth (%)	0.37%	-0.47%	0.34%
<b>Urban Subscribers</b> (Millions)	<b>522.01</b>	<b>23.29</b>	<b>545.30</b>
Urban Subscribers Net Monthly Addition (Millions)	0.83	-0.08	0.75
Monthly Growth (%)	0.16%	-0.34%	0.14%
<b>Rural Subscribers</b> (Millions)	<b>348.19</b>	<b>6.56</b>	<b>354.75</b>
Rural Subscribers Net Monthly Addition (Millions)	2.34	-0.06	2.28
Monthly Growth (%)	0.68%	-0.93%	0.65%
<b>Overall Teledensity*</b>	<b>70.90</b>	<b>2.43</b>	<b>73.33</b>
Urban Teledensity*	139.32	6.22	145.54
Rural Teledensity*	40.83	0.77	41.60
Share of Urban Subscribers	59.99%	78.03%	60.59%
Share of Rural Subscribers	40.01%	21.97%	39.41%

- ❖ Mobile Number Portability requests increased from 91.73 million subscribers at the end of April 2013 to 93.56 million at the end of May 2013. In the month of May 2013 alone 1.83 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in May 2013 are 727.92 million, 83.65% of the total subscribers.
- ❖ Broadband subscription reached 15.13 million in May 2013 from 15.09 million in April 2013.

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

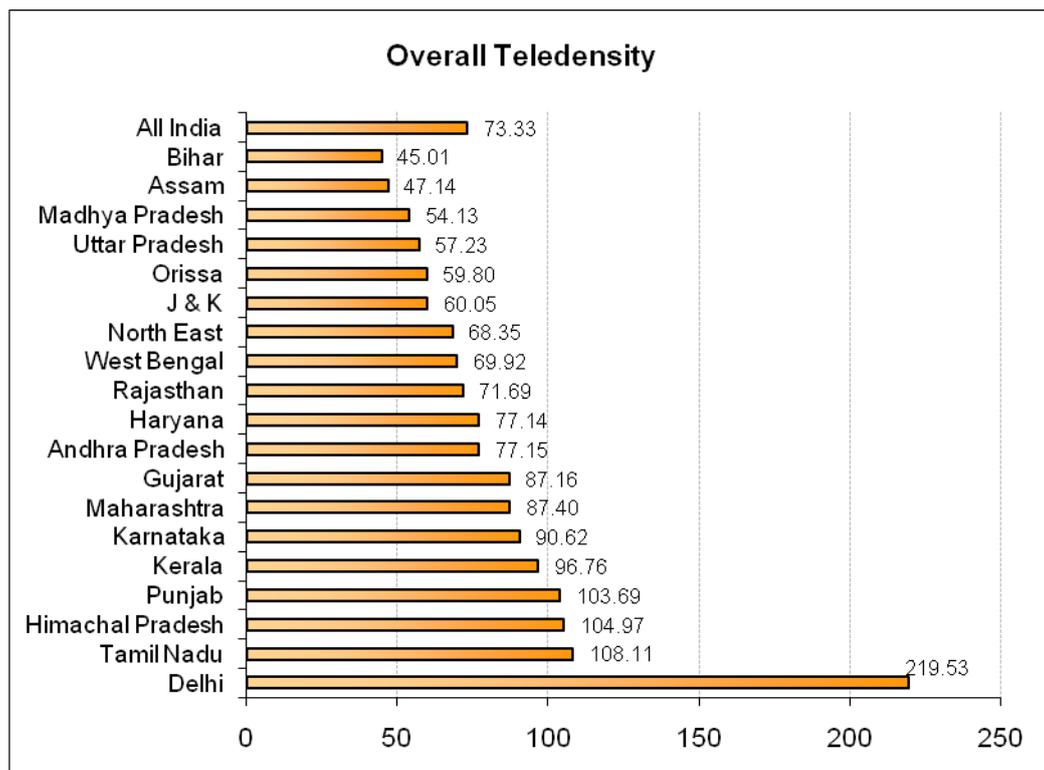
## I. Total Telephone Subscribers

• The number of telephone subscribers in India increased to 900.05 million at the end of May, 2013 from 897.02 million at the end of April 2013, thereby showing a monthly growth rate of 0.34%. The share of urban subscribers has decreased to 60.59% from 60.71% whereas share of rural subscribers has increased from 39.29% to 39.41% in the month of May 2013. With this, the overall Teledensity in India increased to 73.33 at the end of May, 2013 from 73.16 of the previous month.



• Subscription in the urban areas increased from 544.55 million in April, 2013 to 545.75 million at the end of May, 2013. Subscription in rural areas increased from 352.47 million to 354.75 million during the same period. The monthly growth rate of urban and rural subscription is 0.14% and 0.65% respectively. The overall urban Teledensity has marginally decreased from 145.58 to 145.54 and Rural Teledensity increased from 41.37 to 41.60.

## Overall Teledensity (Circle Wise)

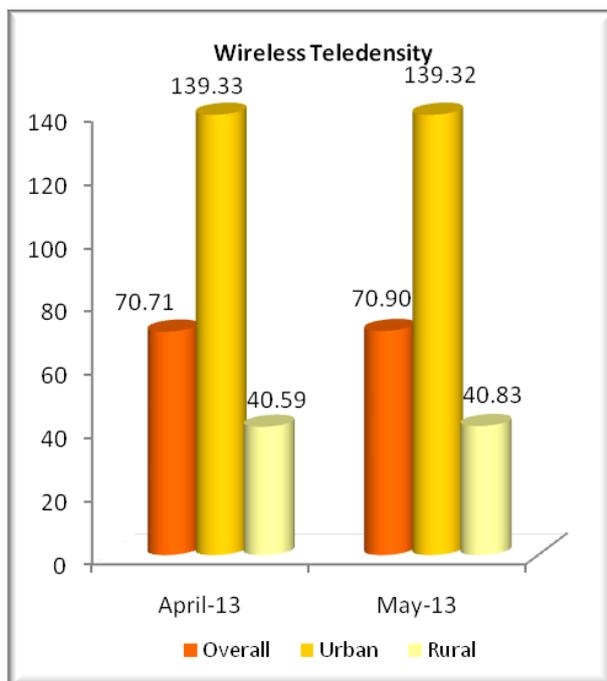
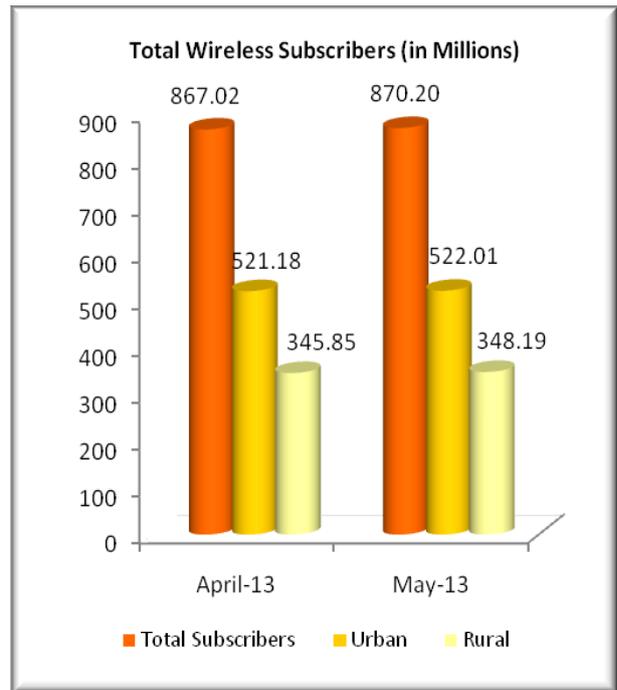


### Notes:

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)

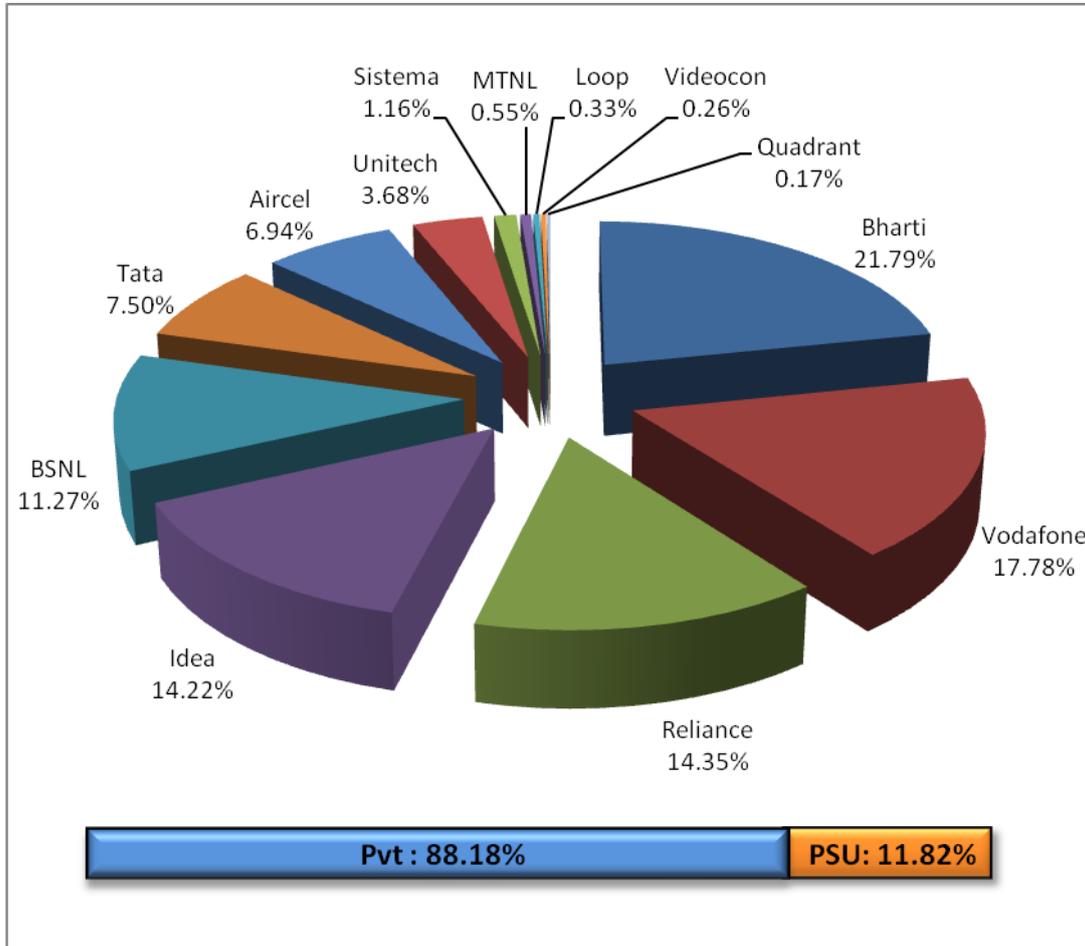
- Total wireless subscriber base increased from 867.02 million in April 2013 to 870.20 million at the end of May 2013, registering a monthly growth of 0.37%. The share of urban wireless subscribers has decreased from 60.11% to 59.99% where as share of rural wireless subscribers has increased from 39.89% to 40.01%. The overall wireless Teledensity in India has reached 70.90 from 70.71 of previous month.



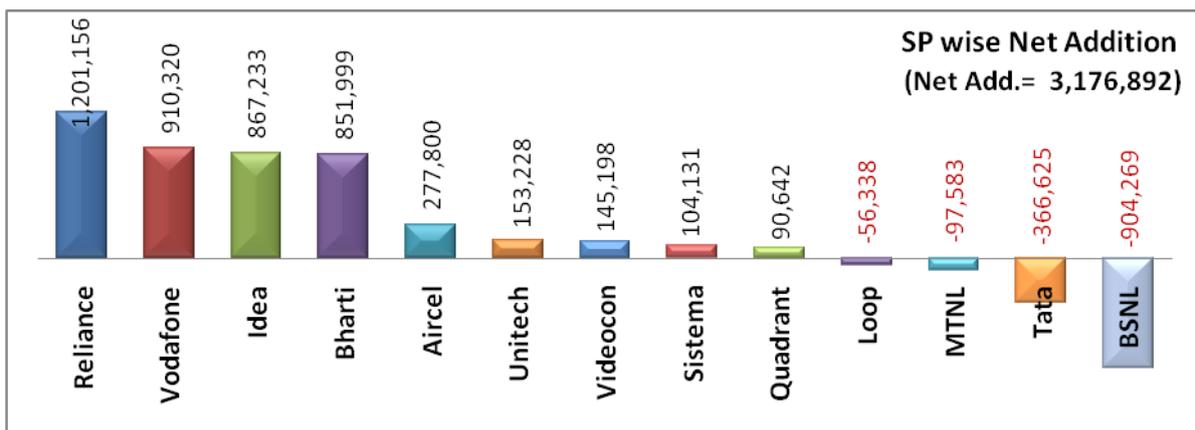
- Wireless subscription in urban areas increased from 521.18 million in April 2013 to 522.01 million at the end of May 2013. The wireless subscription in rural areas increased from 345.85 million to 348.19 million during the same period. The urban wireless Teledensity has marginally decreased from 139.33 to 139.32 and rural Teledensity has increased from 40.59 to 40.83. Detailed statistics is at Annexure I.

- Private operators hold 88.18% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.82% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of May, 2013 are given below:

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



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

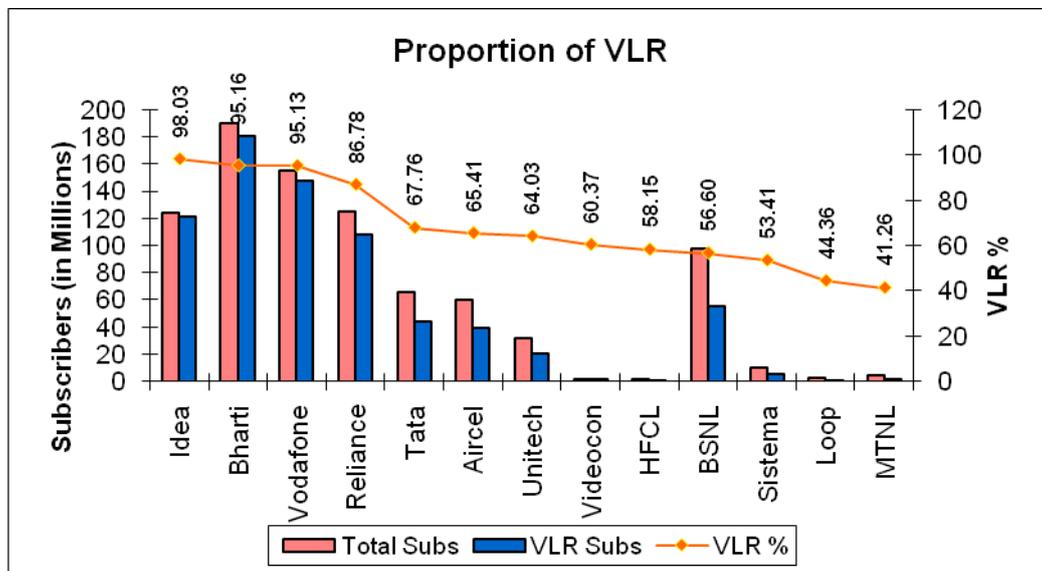


### III. VLR Data

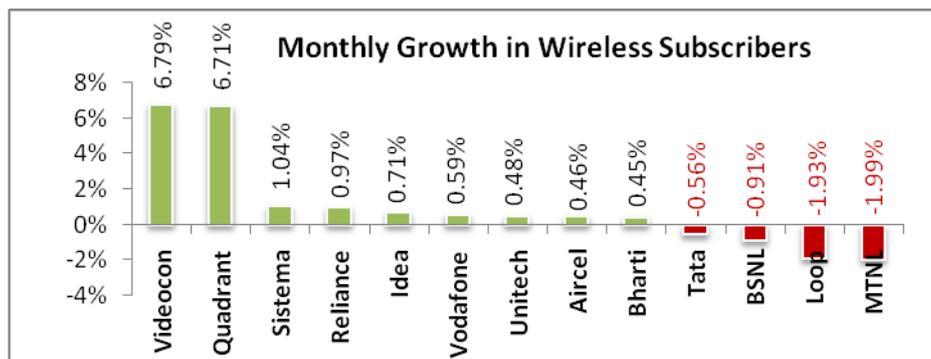
Out of the total 870.20 million wireless subscribers, 727.92 million were active on the date of Peak VLR for the month of May 2013. The proportion of VLR subscribers is approximately 83.65% of the total wireless subscriber base reported by the service providers.

Service Provider wise, Idea leads the tally with 98.03% followed by Bharti (95.16%). Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 88.30% followed by West Bengal (88.02%) and Madhya Pradesh (87.79%). TN (incl. Chennai) has the lowest proportion with 74.03%. The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

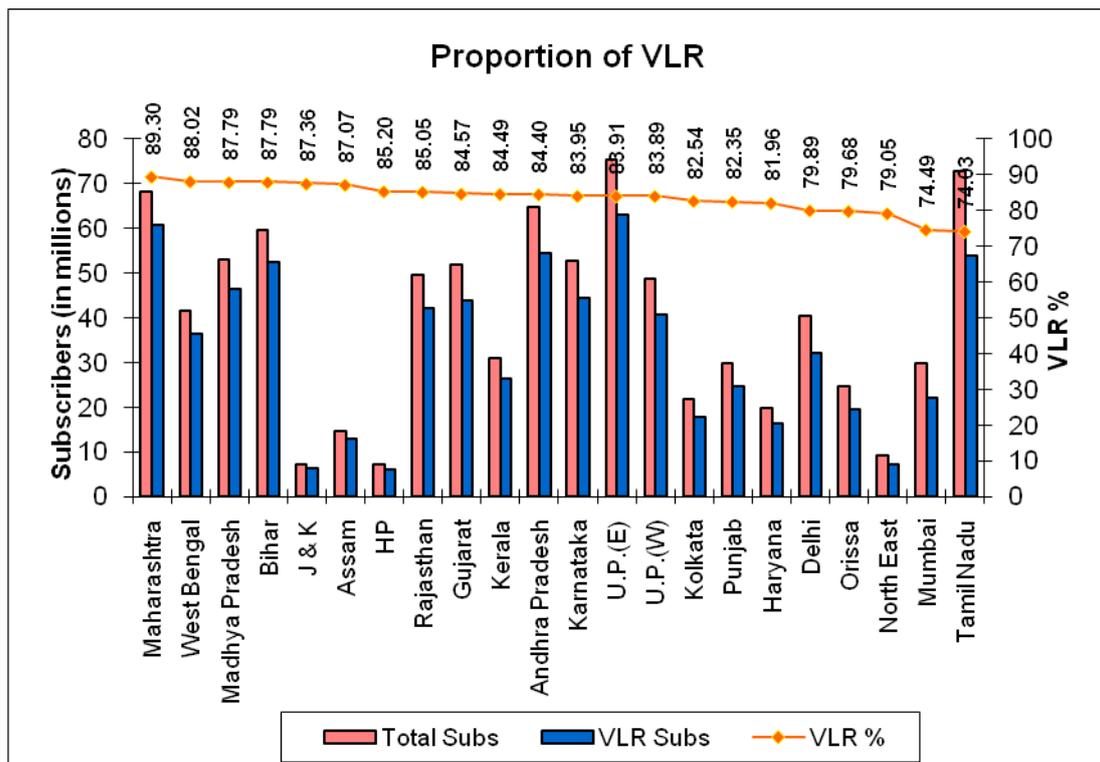
#### A. Proportion of VLR subscribers (Service Provider wise)



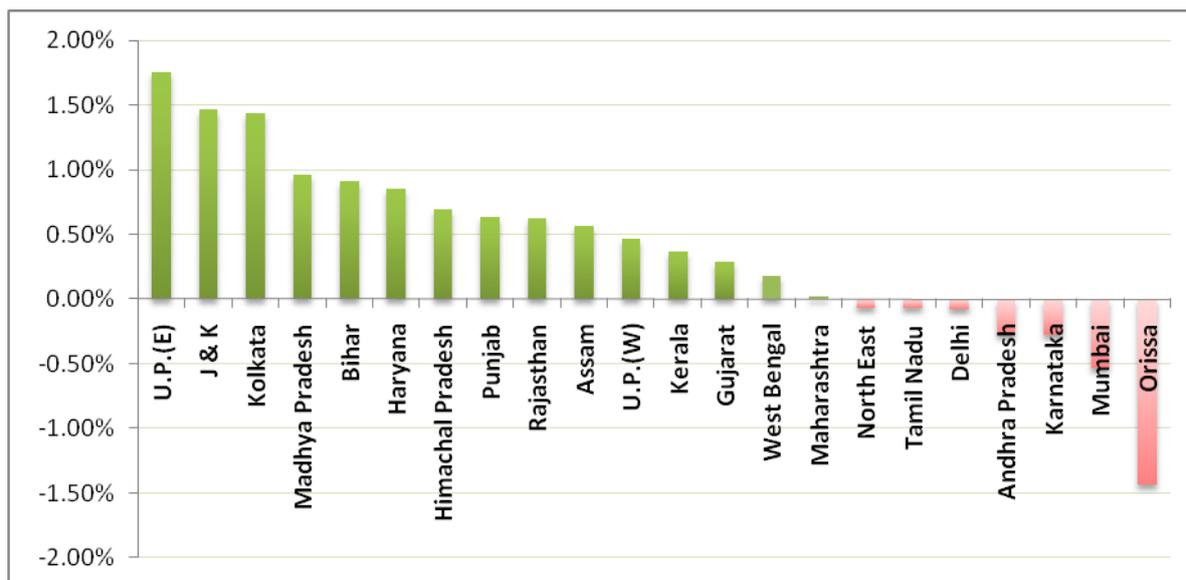
#### B. Service Provider wise growth in total subscribers (April – May 2013)



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



### D. Service Area wise growth in total subscribers (April - May 2013)



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

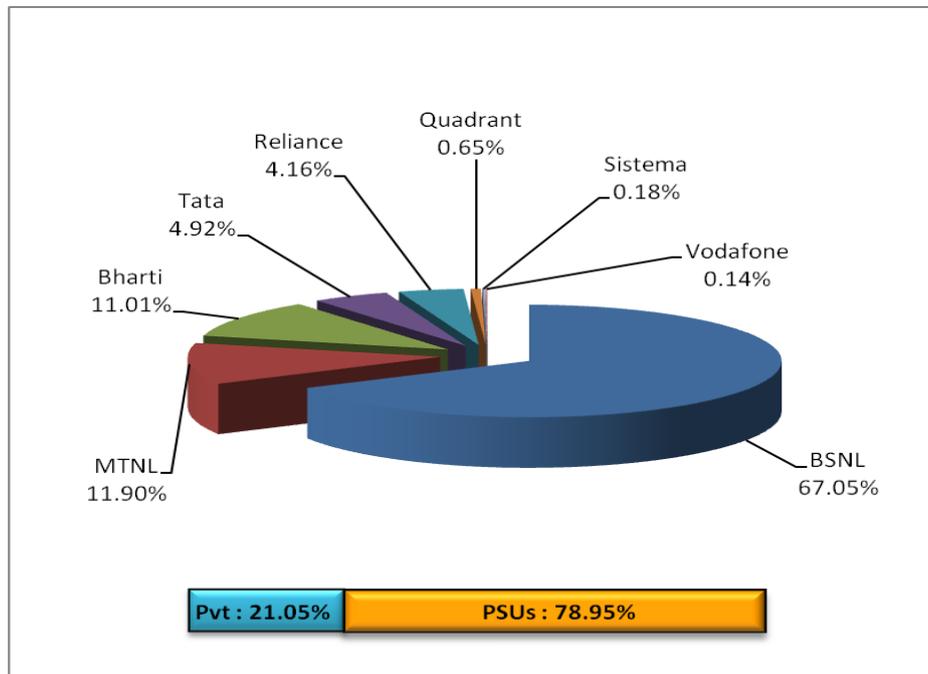
As per the data reported by the service providers, by the end of May 2013 about 93.56 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (9.04 million) followed by Gujarat (7.98 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (11.03 million) followed by Andhra Pradesh Service area (8.47 million). In the month of May 2013, total number of subscribers who have submitted their request for MNP is 1.83 million. The status of MNP requests in various service areas is given below:

<b>Service Area Wise MNP Status at the end of May 2013</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	3182944	Andhra Pradesh	8473007
Gujarat	7987244	Assam	361174
Himachal Pradesh	341088	Bihar	2012230
Haryana	3414076	Karnataka	11030477
Jammu & Kashmir	16332	Kerala	3818661
Maharashtra	7656018	Kolkata	2069574
Mumbai	3542499	Madhya Pradesh	5472588
Punjab	3091269	North East	164562
Rajasthan	9044032	Orissa	2037750
Uttar Pradesh - East	5590784	Tamil Nadu	5493015
Uttar Pradesh - West	5407387	West Bengal	3353463
<b>Total</b>	<b>49,273,673</b>	<b>Total</b>	<b>44,286,501</b>
<b>Total (Zone-1 + Zone-2)</b>			<b>93,560,174</b>
<b>Net Addition (in May 2013)</b>			<b>1,830,616</b>

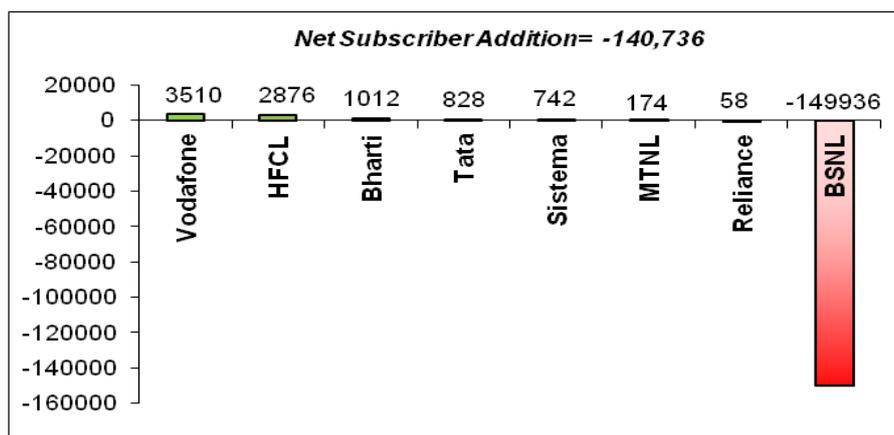
## v. Wireline Segment

Wireline subscriber base declined from 29.99 million at the end of April 2013 to 29.85 Million at the end of May 2013. Net reduction in wireline subscriber base was 0.14 million. The share of urban subscribers has increased from 77.93% to 78.03% where as share of rural subscribers has declined from 22.07% to 21.97%. The overall wireline Teledensity has decreased from 2.45 in April 2013 to 2.43 in May 2013, with urban and rural Teledensity being 6.22 and 0.77 respectively. BSNL and MTNL, the two PSU operators hold 78.95% 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> May 2013 is given below:

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



### B. Wireline Service Provider wise Net addition during May 2013:



## **VI. Category wise Growth**

- As can be seen from the following tables, the Circles in Category B show the highest net addition in subscriber base and the highest rate of monthly growth in wireless segment. In wireline segment, Circles in Category A show the highest reduction and Circles in Category C show the highest rate of decline in subscriber base from April 2013 to May 2013.

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

Category	Net Additions during the month of May, 2013		Subscriber Base as on 31 <sup>st</sup> May, 2013	
	Wireline	Wireless	Wireline	Wireless
Circle A	-69245	-213974	11879588	309289153
Circle B	-54948	2869000	9236814	347664804
Circle C	-9734	407174	1588902	121696211
Metro	-6809	114692	7147032	91548687
<b>All India</b>	<b>-140,736</b>	<b>3,176,892</b>	<b>29,852,336</b>	<b>870,198,855</b>

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

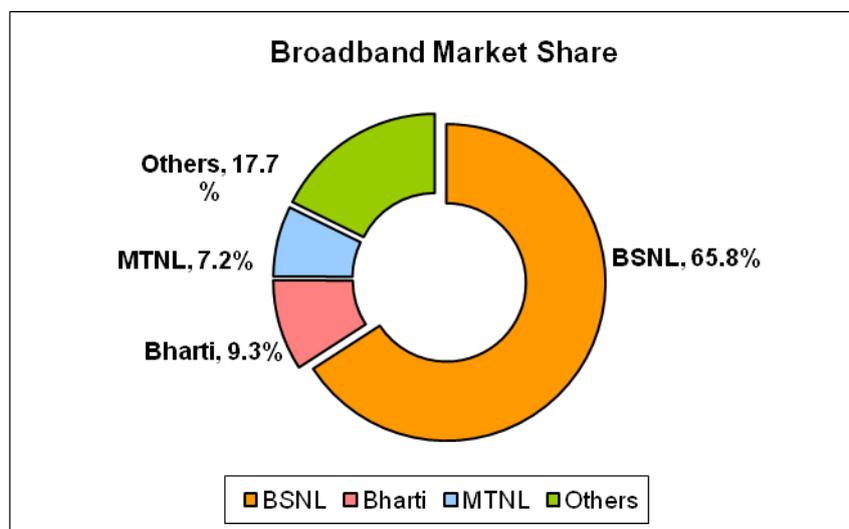
Category	Monthly Rate of Growth (Apr-2013 to May-2013)		Yearly rate of growth (May-2012 to May-2013)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.58%	-0.07%	-4.37%	-5.57%
Circle B	-0.59%	0.83%	-8.45%	-6.33%
Circle C	-0.61%	0.34%	-17.40%	-3.85%
Metro	-0.10%	0.13%	0.70%	-12.08%
<b>All India</b>	<b>-0.47%</b>	<b>0.37%</b>	<b>-5.33%</b>	<b>-6.37%</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 15.09 million at the end of April 2013 to 15.13 million at the end of May 2013, there by showing a monthly growth of 0.23%. Yearly growth in broadband subscribers is 5.75% during the last one year (May 2012 to May 2013).

As on 31<sup>st</sup> May 2013, there are 161 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of these, 120 ISPs (having 98.08% market share) have provided broadband subscription data for the month of May 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 (9.96 million), Bharti Airtel (1.40 million), MTNL (1.09 million), Hathway (0.36 million) and You Broadband (0.31 million).



Contact details in case of any clarification:

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

## Wireless Subscriber Base

Annexure-I

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Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13
Andhra Pradesh	18320756	18305179	7046557	7061707	5890418	5867408	6509797	6479764	11254440	11325445	1866104	1834635	9395170	9410859
Assam	4006221	4045570	2979000	2944179	2377776	2451800	0	0	407580	423372	3533844	3520120	1228238	1229736
Bihar	19682038	20105135	9587099	9772046	6864719	6940979	3599804	3565384	6152153	6236811	4704294	4623325	3873533	3842105
Delhi	9305131	9332110	7774299	7878742	8537262	8609888	3345656	3118126	4929399	4898766	2852613	2886113	0	0
Gujarat	7064922	7081389	7050300	7141122	16191112	16224175	2624750	2618990	8492574	8444379	35773	35773	4305787	4306696
Haryana	2322837	2309831	2310300	2381148	4658849	4682870	2657678	2681386	3819699	3823255	11092	11092	3096156	3082266
Himachal Pradesh	1993687	2005189	1561836	1600416	510330	517348	173459	171210	478994	484357	654841	676898	1584670	1550356
J & K	2417495	2443056	629598	634735	630714	644755	0	0	233650	242392	1852091	1881500	1173803	1192750
Karnataka	16227454	16235201	6714795	6703599	6850896	6742760	5895301	5877086	6207191	6170731	1817673	1854569	7102624	7087398
Kerala	3515169	3531005	3002731	2970718	6286767	6354557	1785629	1757146	7990221	8053935	54883	29883	7775426	7831545
Kolkata	3674741	3679354	4214078	4269448	4249289	4292276	2893679	2900823	1363379	1404670	1866974	1975048	2297496	2298610
Madhya Pradesh	10120407	10174809	12337592	12761088	4261842	4281093	3869739	3901009	15768790	15918844	47694	22694	5242697	5020446
Maharashtra	10028095	9951693	8049062	8122190	13525722	13553341	6206766	6228707	16545949	16571612	1239175	1203709	6776042	6738845
Mumbai	3849630	3834768	6069572	6071636	6508050	6525116	3528587	3553898	3120536	3067144	1572881	1594335	0	0
North East	2776136	2777682	875000	897931	1002262	1040336	0	0	306733	308379	2348918	2285662	1772954	1765674
Orissa	6992572	7060557	4037658	3828149	3135010	3182111	2047961	2041338	1105819	1085923	2992952	2756605	4515071	4516177
Punjab	7019942	7008593	3092311	3202525	4493342	4502407	2412681	2439252	5826362	5825596	956660	925006	4411216	4404573
Rajasthan	14723021	14684765	5710780	5825673	9144871	9163524	2855302	2776716	5296697	5464362	3104835	3179765	5950149	5953631
Tamil Nadu (incl. Chennai)	13512461	13541152	7068051	6717611	12290748	12362181	5274107	5253673	2340865	2311912	21275273	21539771	9595606	9581984
U.P.(E)	15305579	15566540	9816182	9960269	15030457	15265665	4085546	4168917	7653621	7914162	3935446	4136099	10461735	10437971
U.P.(W)	6619766	6622545	6724129	6822292	9624074	9649505	3821541	3804945	10863453	10940341	309150	209150	4831603	4801866
West Bengal	9319263	9353199	7046875	7331737	11712013	11832748	2043856	1926844	2733374	2842324	3047050	3176264	3580608	3012827
<b>Total</b>	<b>188797323</b>	<b>189649322</b>	<b>123697805</b>	<b>124898961</b>	<b>153776523</b>	<b>154686843</b>	<b>65631839</b>	<b>65265214</b>	<b>122891479</b>	<b>123758712</b>	<b>60080216</b>	<b>60358016</b>	<b>98970584</b>	<b>98066315</b>

## Wireless Subscriber Base

## Annexure-I

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Circle	Group														
	MTNL		Unitech		Sistema		Loop		Videocon		Quadrant (HFCL)		Total		
	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	
Andhra Pradesh	0	0	4362090	4181527	0	0	0	0	0	0	0	0	0	64645332	64466524
Assam	0	0	0	0	0	0	0	0	0	0	0	0	0	14532659	14614777
Bihar	0	0	4469928	4404163	0	0	0	0	18596	0	0	0	0	58952164	59489948
Delhi	2596793	2600330	0	0	903034	887627	0	0	0	0	0	0	0	40244187	40211702
Gujarat	0	0	5044239	5070963	206892	204954	0	0	623723	661069	0	0	0	51640072	51789510
Haryana	0	0	0	0	0	0	0	0	752099	824499	0	0	0	19628710	19796347
Himachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	6957817	7005774
J & K	0	0	0	0	0	0	0	0	0	0	0	0	0	6937351	7039188
Karnataka	0	0	0	0	1991323	1986976	0	0	0	0	0	0	0	52807257	52658320
Kerala	0	0	0	0	460316	455760	0	0	0	0	0	0	0	30871142	30984549
Kolkata	0	0	0	0	754153	800554	0	0	0	0	0	0	0	21313789	21620783
Madhya Pradesh	0	0	0	0	0	0	0	0	727318	799609	0	0	0	52376079	52879592
Maharashtra	0	0	5513692	5529690	0	0	0	0	0	0	0	0	0	67884503	67899787
Mumbai	2301674	2200554	0	0	0	0	2925089	2868751	0	0	0	0	0	29876019	29716202
North East	0	0	0	0	0	0	0	0	0	0	0	0	0	9082003	9075664
Orissa	0	0	0	0	0	0	0	0	0	0	0	0	0	24827043	24470860
Punjab	0	0	0	0	0	0	0	0	0	0	1350618	1441260	0	29563132	29749212
Rajasthan	0	0	0	0	2233410	2278952	0	0	0	0	0	0	0	49019065	49327388
Tamil Nadu (incl. Chennai)	0	0	0	0	1168852	1166728	0	0	0	0	0	0	0	72525963	72475012
U.P.(E)	0	0	7473608	7621017	0	0	0	0	14622	0	0	0	0	73776796	75070640
U.P.(W)	0	0	4983146	5192571	486918	447659	0	0	3621	0	0	0	0	48267401	48490874
West Bengal	0	0	0	0	1810440	1890259	0	0	0	0	0	0	0	41293479	41366202
<b>Total</b>	<b>4898467</b>	<b>4800884</b>	<b>31846703</b>	<b>31999931</b>	<b>10015338</b>	<b>10119469</b>	<b>2925089</b>	<b>2868751</b>	<b>2139979</b>	<b>2285177</b>	<b>1350618</b>	<b>1441260</b>	<b>867021963</b>	<b>870198855</b>	

**Proportion of VLR on the date of Peak VLR in the month of May, 2013 (%) Annexure-II**

Circle	Aircel	Bharti	BSNL	Quadran t (HFCL)	Idea	Loop	MTNL	Reliance	Sistema	Tata	Unitech	Videocon	Vodafone	Total
Andhra Pradesh	49.85	96.94	70.16		97.02			82.22		71.60	58.30		89.92	<b>84.40</b>
Assam	83.13	98.07	70.16		88.03			76.74					95.26	<b>87.07</b>
Bihar	64.80	99.84	56.51		105.69			86.12		60.09	66.66		99.44	<b>87.79</b>
Delhi	61.21	74.57			93.47		45.36	93.18	43.48	65.06			91.57	<b>79.89</b>
Gujarat	118.24	91.27	61.60		96.64			89.14	38.73	63.01	55.65	59.79	93.48	<b>84.57</b>
Haryana	20.64	96.15	51.59		96.06			90.33		61.79		60.14	94.72	<b>81.96</b>
Himachal Pradesh	60.81	98.02	72.91		105.71			81.85		61.23			103.36	<b>85.20</b>
J & K	91.32	96.80	70.89		86.65			64.22					93.62	<b>87.36</b>
Karnataka	52.62	98.35	55.58		96.54			83.40	58.64	75.88			91.19	<b>83.95</b>
Kerala	30.18	97.91	65.81		98.98			72.87	55.68	74.94			92.09	<b>84.49</b>
Kolkata	86.26	91.24	33.23		85.67			95.48	54.11	79.78			93.08	<b>82.54</b>
Madhya Pradesh	21.27	96.33	55.96		103.71			81.18		69.18		61.10	87.65	<b>87.79</b>
Maharashtra	48.21	97.23	72.07		99.54			93.18		77.09	60.23		98.32	<b>89.30</b>
Mumbai	54.43	85.78			81.71	44.36	36.40	93.83		62.53			83.99	<b>74.49</b>
North East	71.50	97.10	50.70		80.31			87.88					87.54	<b>79.05</b>
Orissa	63.89	96.90	58.56		81.36			79.15		73.85			88.93	<b>79.68</b>
Punjab	49.26	93.29	54.55	58.15	94.57			93.23		64.89			92.99	<b>82.35</b>
Rajasthan	72.59	93.32	47.13		103.22			93.79	48.90	65.58			99.28	<b>85.05</b>
Tamil Nadu (incl. Chennai)	60.54	93.76	48.66		78.35			86.69	54.52	61.54			95.07	<b>74.03</b>
U.P. (E)	70.82	99.85	44.35		104.15			81.80		61.21	68.77		102.90	<b>83.91</b>
U.P. (W)	149.19	90.96	48.49		97.63			84.15	37.67	61.69	71.69		96.93	<b>83.89</b>
West Bengal	66.67	97.55	58.40		90.67			93.98	61.79	59.38			98.28	<b>88.02</b>
<b>Total</b>	<b>65.41</b>	<b>95.16</b>	<b>56.60</b>	<b>58.15</b>	<b>98.03</b>	<b>44.36</b>	<b>41.26</b>	<b>86.78</b>	<b>53.41</b>	<b>67.76</b>	<b>64.03</b>	<b>60.37</b>	<b>95.13</b>	<b>83.65</b>

Wireline Subscriber Base																	Annexure-III	
Circle	Group																Total	
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Apr-13	May-13
	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13	Apr-13	May-13
Andhra Pradesh	1823574	1812390			125920	125958	89359	89236	165690	164739					5580	5,820	2210123	2198143
Assam	193534	193140													630	660	194164	193800
Bihar	377297	375945					5064	5350	10724	10652					150	180	393235	392127
Delhi			1596176	1598157	1084426	1084786	183168	183286	90775	91139					11370	12,720	2965915	2970088
Gujarat	1553750	1539295			55506	55523	98879	98501	70353	71186					420	510	1778908	1765015
Haryana	499017	490,633			23969	23974	5136	5239	25445	25461					30	60	553597	545367
Himachal Pradesh	268401	264,912					4485	4515	2298	2360							275184	271787
J & K	195505	194,318															195505	194318
Karnataka	1671098	1660023			492742	492891	113361	113843	141297	142417					3690	4,080	2422188	2413254
Kerala	2934242	2920565			56001	56016	53916	53769	11309	11391							3055468	3041741
Kolkata	922530	913031			94115	94147	81260	81154	36175	36280					1440	1,530	1135520	1126142
Madhya Pradesh	831883	830225			242240	242310	26782	26579	15906	16051					240	120	1117051	1115285
Maharashtra	2020317	1999210			70450	70471	100558	100334	243324	243368					2790	3,000	2437439	2416383
Mumbai			1955308	1953501	332405	332508	231621	232115	525512	525088					7560	7,590	3052406	3050802
North East	168504	167876															168504	167876
Orissa	361849	358778					3501	3561	6424	6385					270	270	372044	368994
Punjab	971810	963633			106109	106138	25419	25261	16711	16867	190446	193322			60	390	1310555	1305611
Rajasthan	880140	875525			39434	39445	24522	24350	7036	7063			51916	52658	330	330	1003378	999371
Tamil Nadu (incl. Chennai)	2389771	2376093			486787	486927	147568	147479	73649	73204					2400	3090	3100175	3086793
U.P.(E)	914732	910836			50631	50646	40521	40426	13510	13488					150	480	1019544	1015876
U.P.(W)	648419	632996			24352	24359	5513	5642	8231	8129					450	240	686965	671366
West Bengal	539353	536366					1999	2050	3852	3781							545204	542197
<b>Total</b>	<b>20165726</b>	<b>20015790</b>	<b>3551484</b>	<b>3551658</b>	<b>3285087</b>	<b>3286099</b>	<b>1242632</b>	<b>1242690</b>	<b>1468221</b>	<b>1469049</b>	<b>190446</b>	<b>193322</b>	<b>51916</b>	<b>52658</b>	<b>37560</b>	<b>41070</b>	<b>29993072</b>	<b>29852336</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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