

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 29<sup>th</sup> January, 2014  
(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 30<sup>th</sup> November, 2013**

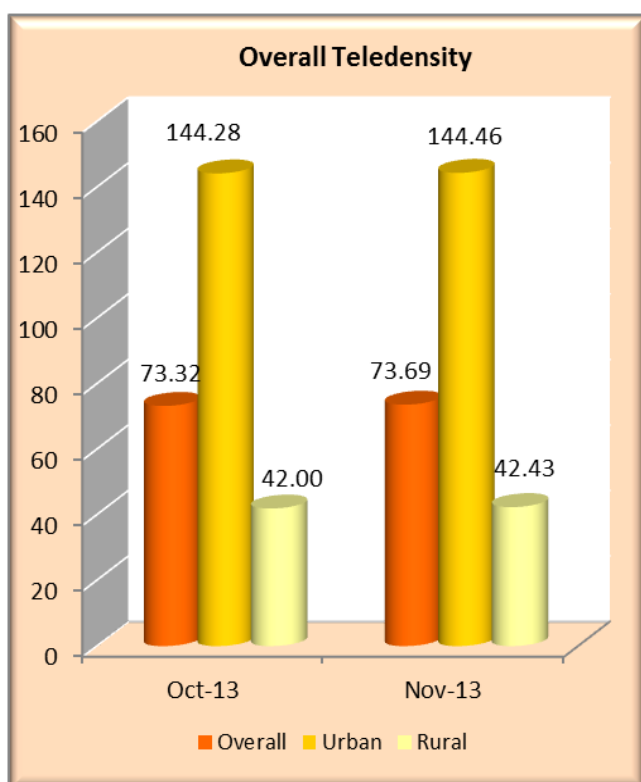
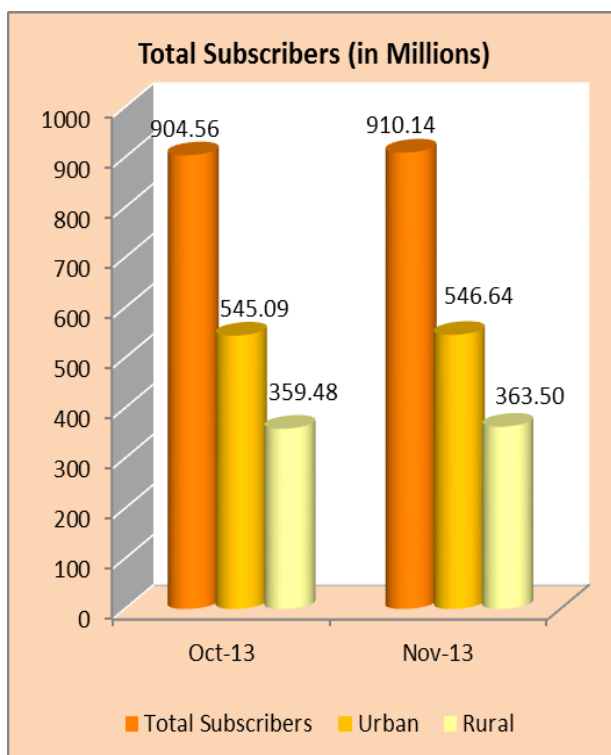
<b>Particulars</b>	<b>Wireless</b>	<b>Wireline</b>	<b>Total</b> Wireless + Wireline
<b>Total Subscribers</b> (Millions)	<b>881.13</b>	<b>29.01</b>	<b>910.14</b>
Total Net Monthly Addition (Millions)	5.65	-0.08	5.58
Monthly Growth (%)	0.65	-0.27	0.62
<b>Urban Subscribers</b> (Millions)	<b>523.80</b>	<b>22.83</b>	<b>546.64</b>
Urban Subscribers Net Monthly Addition (Millions)	1.59	-0.04	1.55
Monthly Growth (%)	0.30	-0.18	0.28
<b>Rural Subscribers</b> (Millions)	<b>357.33</b>	<b>6.17</b>	<b>363.50</b>
Rural Subscribers Net Monthly Addition (Millions)	4.06	-0.04	4.02
Monthly Growth (%)	1.15	-0.60	1.12
<b>Overall Teledensity*</b>	<b>71.34</b>	<b>2.35</b>	<b>73.69</b>
Urban Teledensity*	138.42	6.03	144.46
Rural Teledensity*	41.71	0.72	42.43
Share of Urban Subscribers (%)	59.45	78.73	60.06
Share of Rural Subscribers (%)	40.55	21.27	39.94

- ❖ Mobile Number Portability requests increased from 104.79 million subscribers at the end of October, 2013 to 106.87 million at the end of November 2013. In the month of November 2013 alone 2.09 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in November, 2013 are 753.47 million, 85.51% of the total subscribers.
- ❖ Wireline Broadband ( $\geq$  512 Kbps) subscription reached 14.47 million in November 2013.

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

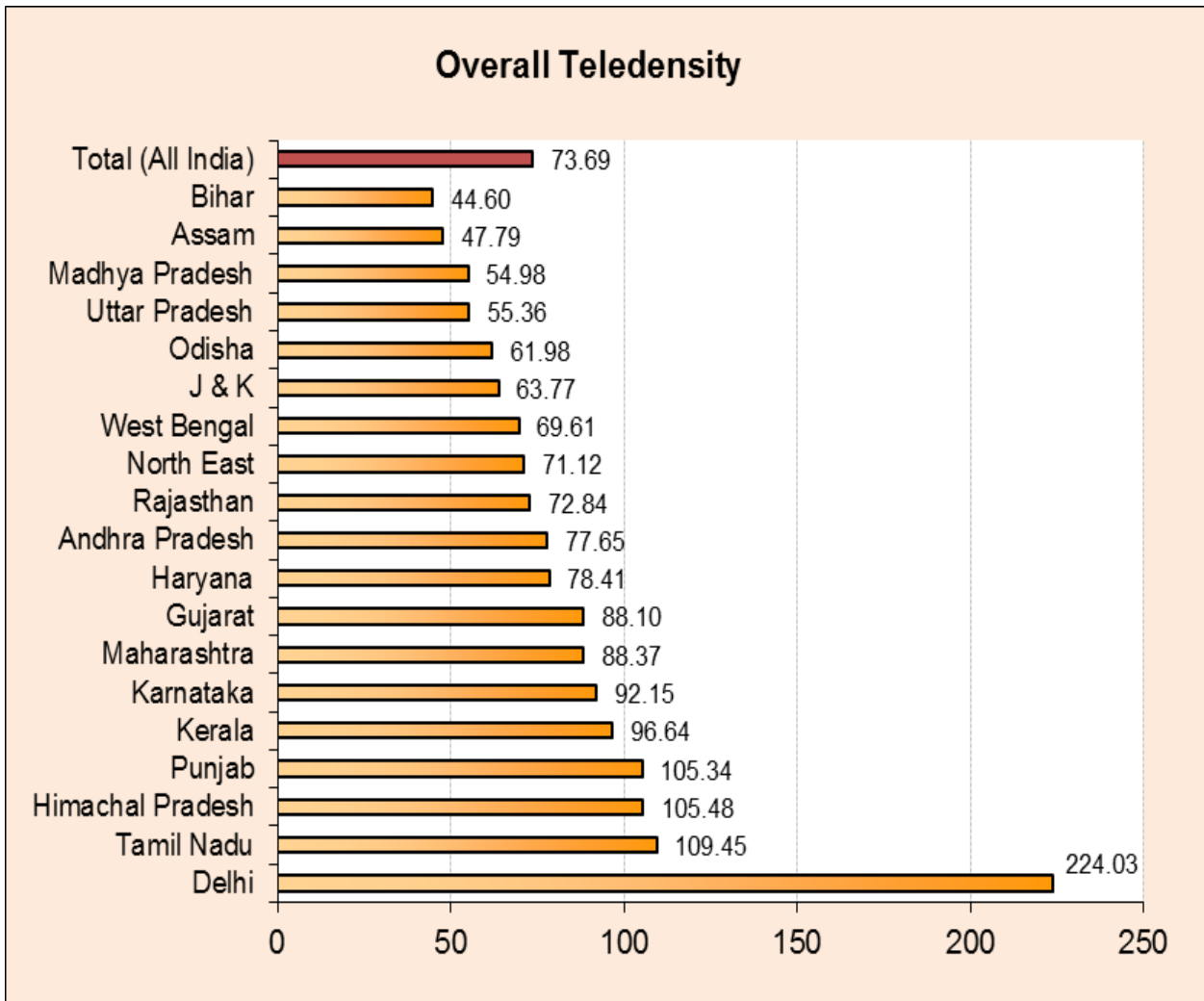
## I. Total Telephone Subscribers

• The number of telephone subscribers in India increased from 904.56 million at the end of October, 2013 to 910.14 million at the end of November 2013, thereby showing a monthly growth of 0.62%. The share of urban subscribers has declined from 60.26% to 60.06% whereas share of rural subscribers has increased from 39.74% to 39.94% in the month of November 2013. With this, the overall Teledensity in India increased from 73.32 at the end of October, 2013 to 73.69 at the end of November, 2013.



• Subscription in the urban areas increased from 545.09 million in October, 2013 to 546.64 million at the end of November, 2013. Subscription in rural areas increased from 359.48 million to 363.50 million during the same period. The monthly growth rate of urban and rural subscription is 0.28% and 1.12% respectively. The overall urban Teledensity has increased from 144.28 to 144.46 and Rural Teledensity increased from 42.00 to 42.43 in this month.

## Overall Teledensity (Circle Wise) – November, 2013

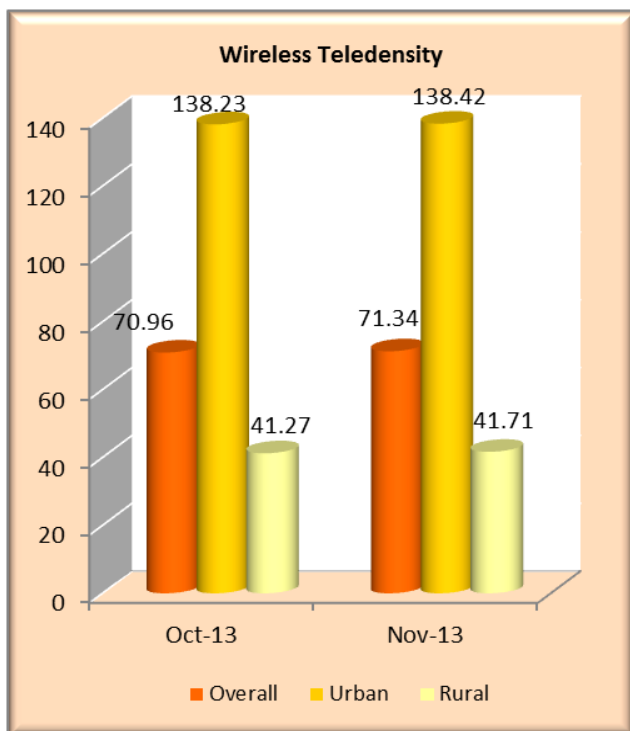
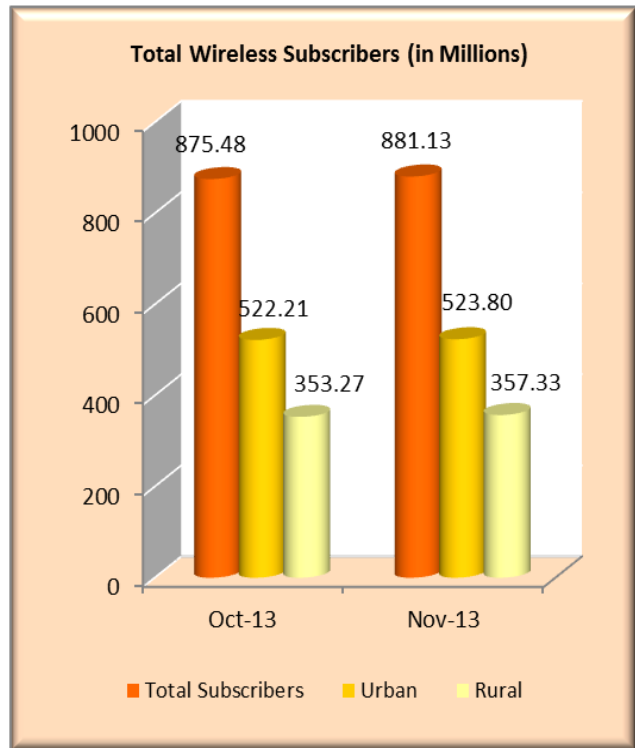


**Notes:**

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)

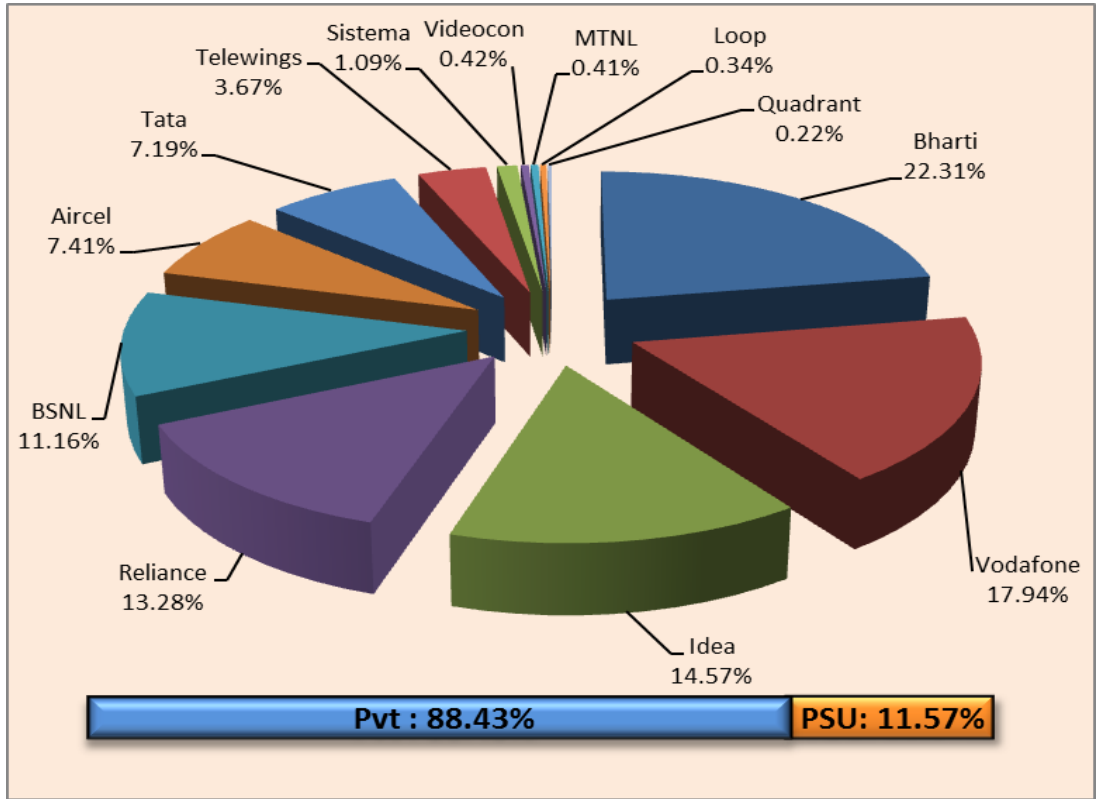
- Total wireless subscriber base increased from 875.48 million in October, 2013 to 881.13 million at the end of November 2013, registering a monthly growth of 0.65%. The share of urban wireless subscribers has declined from 59.65% to 59.45% whereas share of rural wireless subscribers has increased from 40.35% to 40.55%. The overall wireless Teledensity in India has reached to 71.34 from 70.96 of previous month.



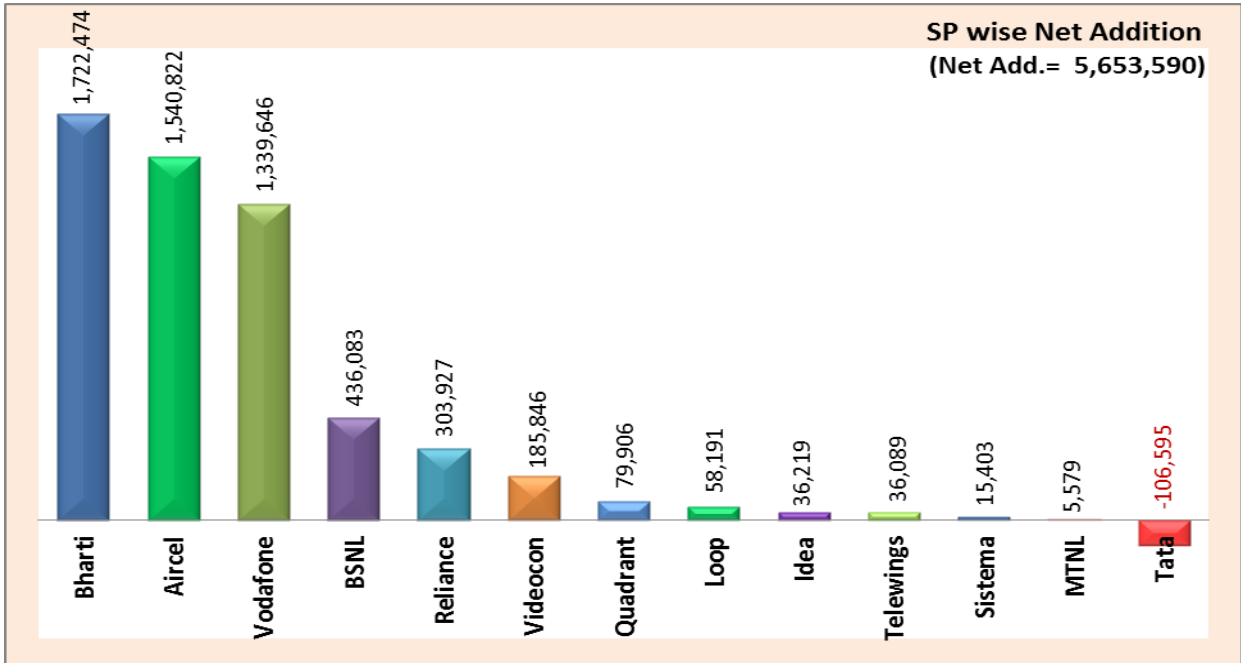
- Wireless subscription in urban areas increased from 522.21 million in October, 2013 to 523.80 million at the end of November, 2013. The wireless subscription in rural areas increased from 353.27 million to 357.33 million during the same period. The urban wireless Teledensity has increased from 138.23 to 138.42 and rural Teledensity has increased from 41.27 to 41.71. Detailed statistics is available at Annexure I.

- Private operators hold 88.43% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.57% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of November, 2013 are given below:

**A. Service Provider wise Market Share as on 30<sup>th</sup> November, 2013.**



**B. Service Provider wise net subscriber addition during November, 2013**

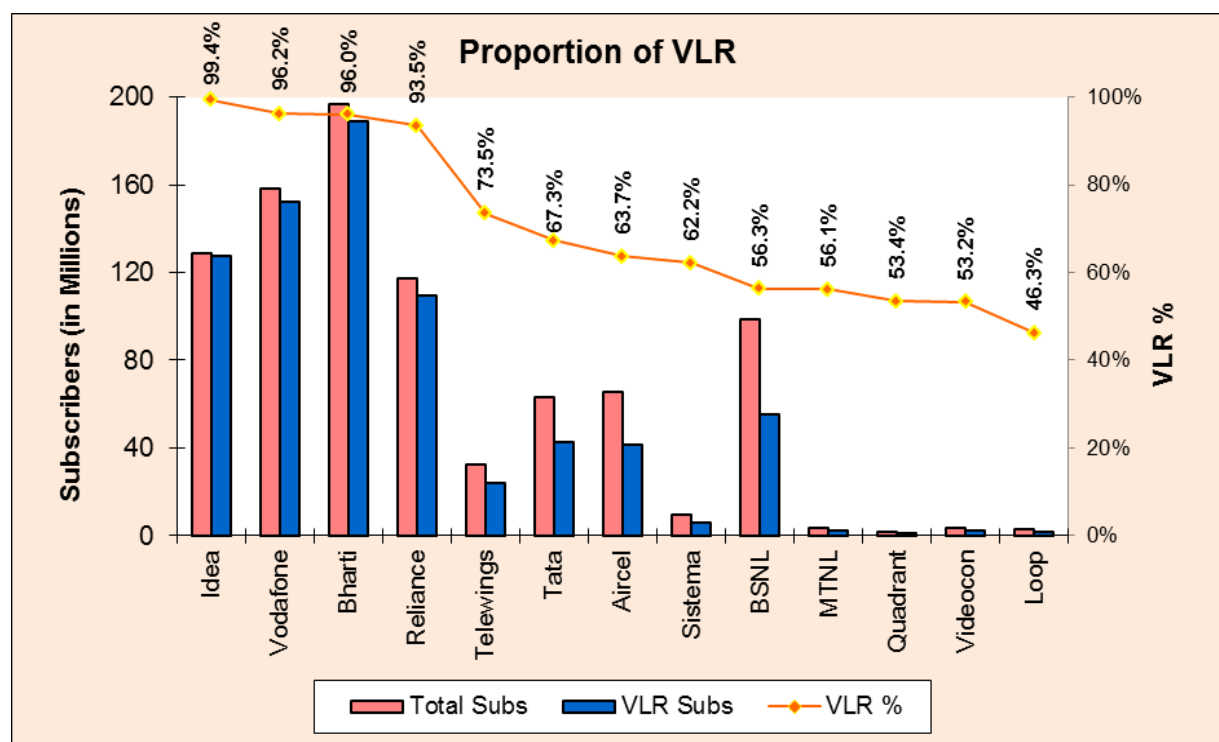


### III. VLR Data

Out of the total 881.13 million wireless subscribers, 753.47 million were active on the date of Peak VLR for the month of November 2013. The proportion of VLR subscribers is approximately 85.51% of the total wireless subscriber base reported by the service providers.

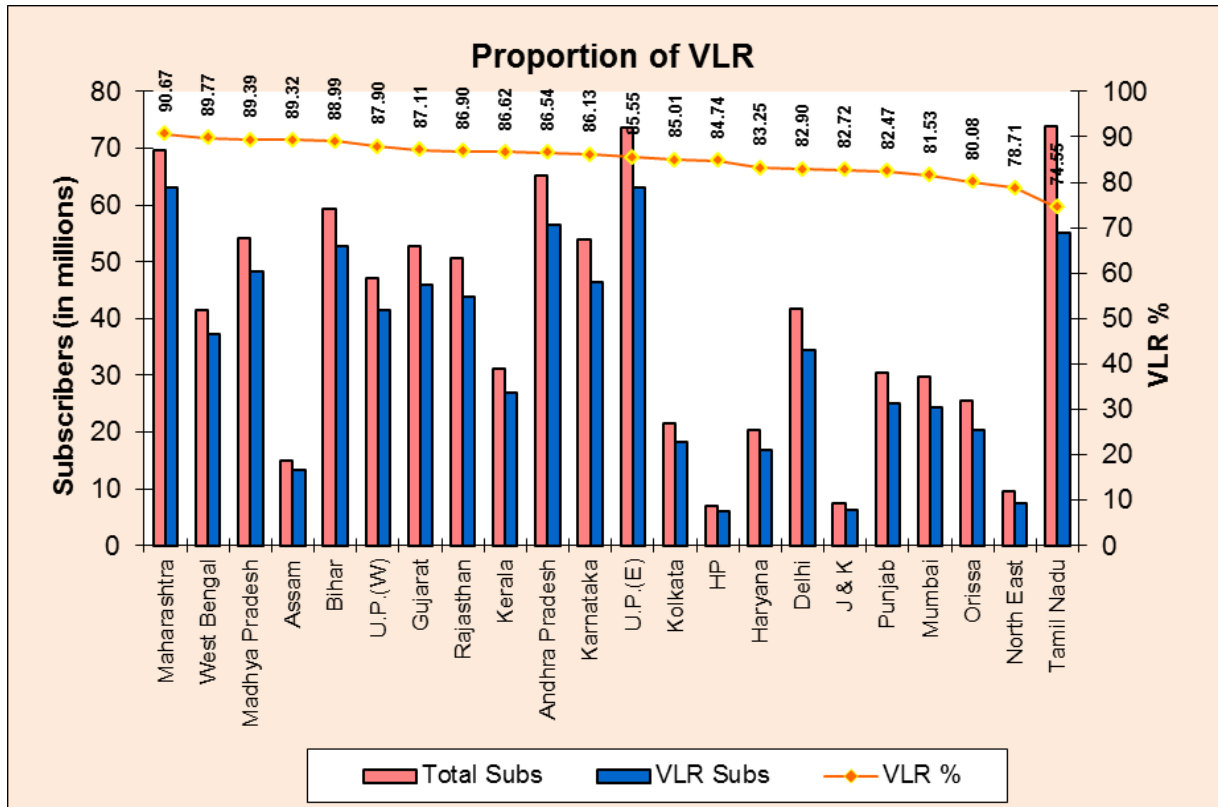
Service Provider wise, Idea leads the tally with 99.4% followed by Vodafone (96.2%) and Bharti (96.0%). Loop has the lowest proportion of VLR with 46.3%. Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 90.67% followed by West Bengal (89.77%) and M.P. (89.39%). Tamil Nadu (incl. Chennai) has the lowest VLR proportion with 74.55%. 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) – November, 2013

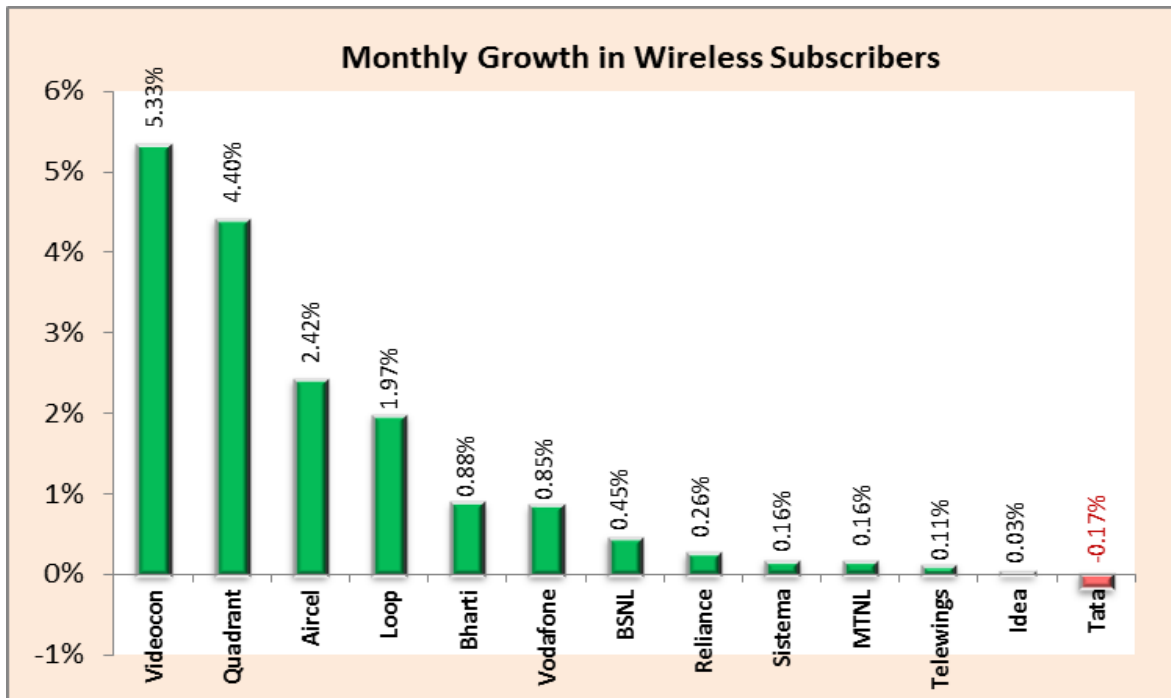


Note : Telewings was formerly known as Unitech.

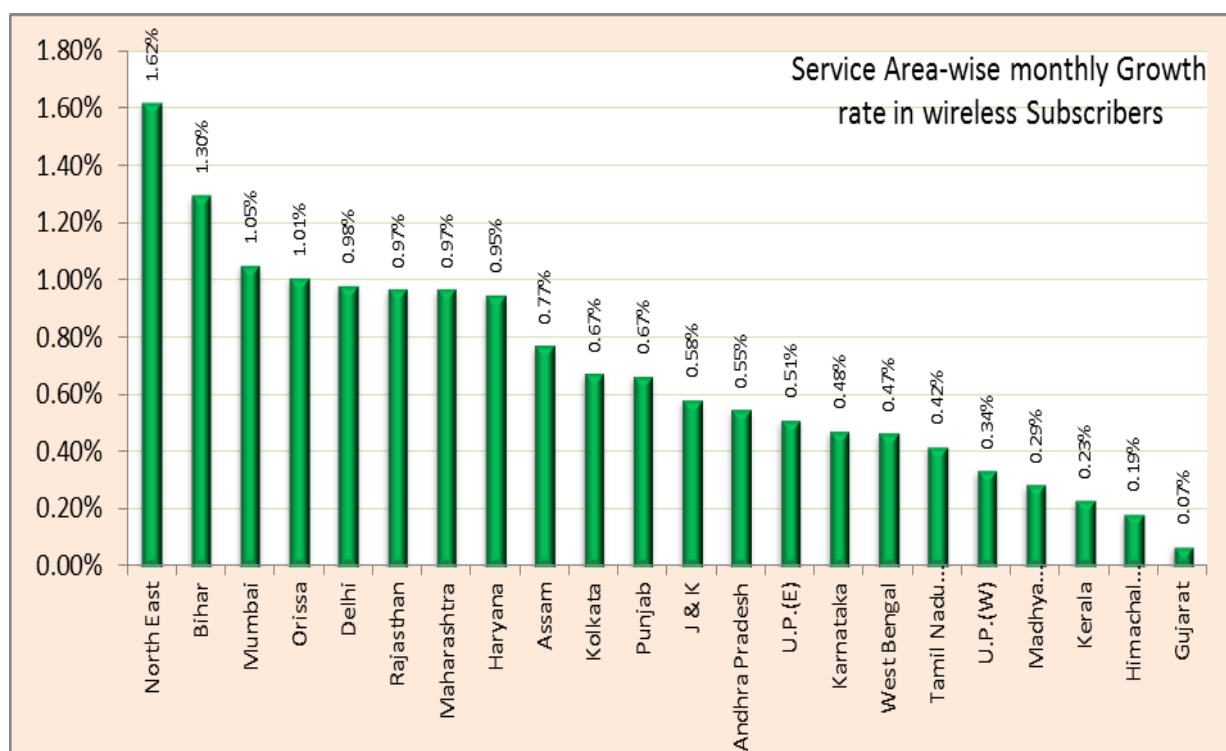
**C. Proportion of VLR subscribers (Service Area wise)- November, 2013**



**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 November 2013 about 106.87 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 10.67 million) followed by Gujarat (about 9.24 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 12.29 million) followed by Andhra Pradesh Service area (about 9.77 million). In the month of November 2013, total number of subscribers who have submitted their request for MNP is 2.09 million. The status of MNP requests in various service areas is given below:

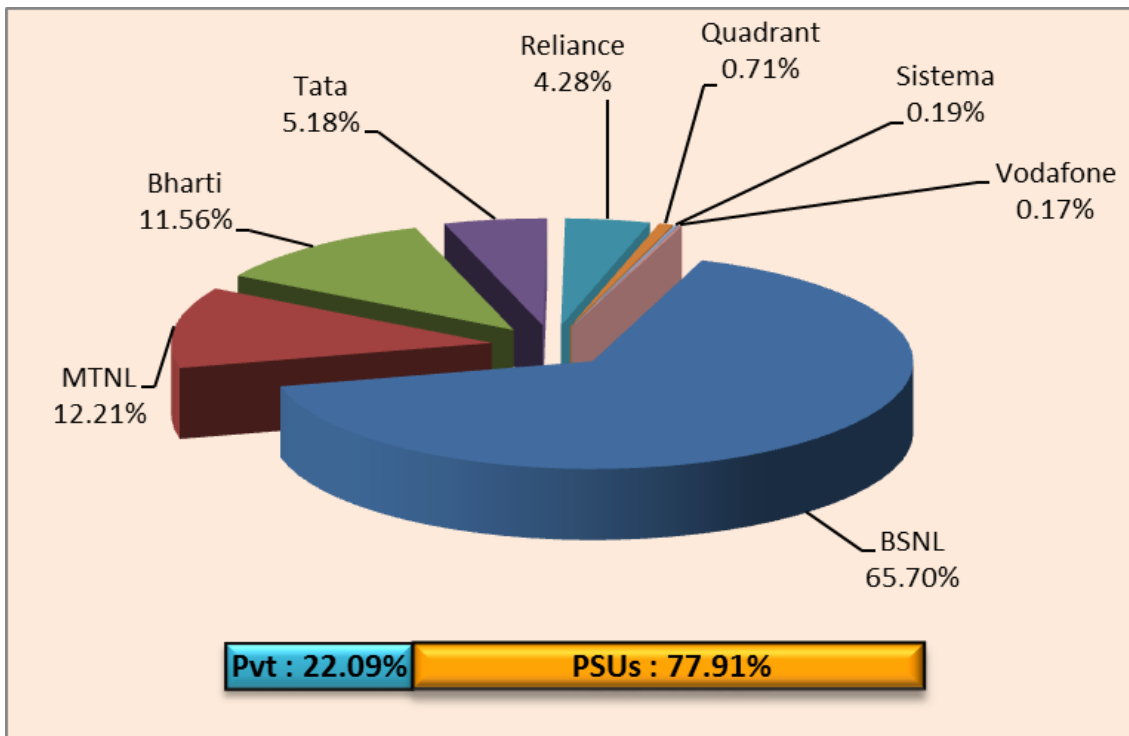


Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	3915762	Andhra Pradesh	9772360
Gujarat	9236259	Assam	390173
Himachal Pradesh	377317	Bihar	2432229
Haryana	3978904	Karnataka	12294072
Jammu & Kashmir	19144	Kerala	4239702
Maharashtra	8582876	Kolkata	2337627
Mumbai	4296391	Madhya Pradesh	6084617
Punjab	3632976	North East	182123
Rajasthan	10672618	Orissa	2253949
Uttar Pradesh - East	6072797	Tamil Nadu	6302369
Uttar Pradesh - West	5912448	West Bengal	3888099
<b>Total</b>	<b>56,697,492</b>	<b>Total</b>	<b>50,177,320</b>
<b>Total (Zone-1 + Zone-2)</b>		<b>106,874,812</b>	
<b>Net Addition (in November 2013)</b>		<b>2,085,857</b>	

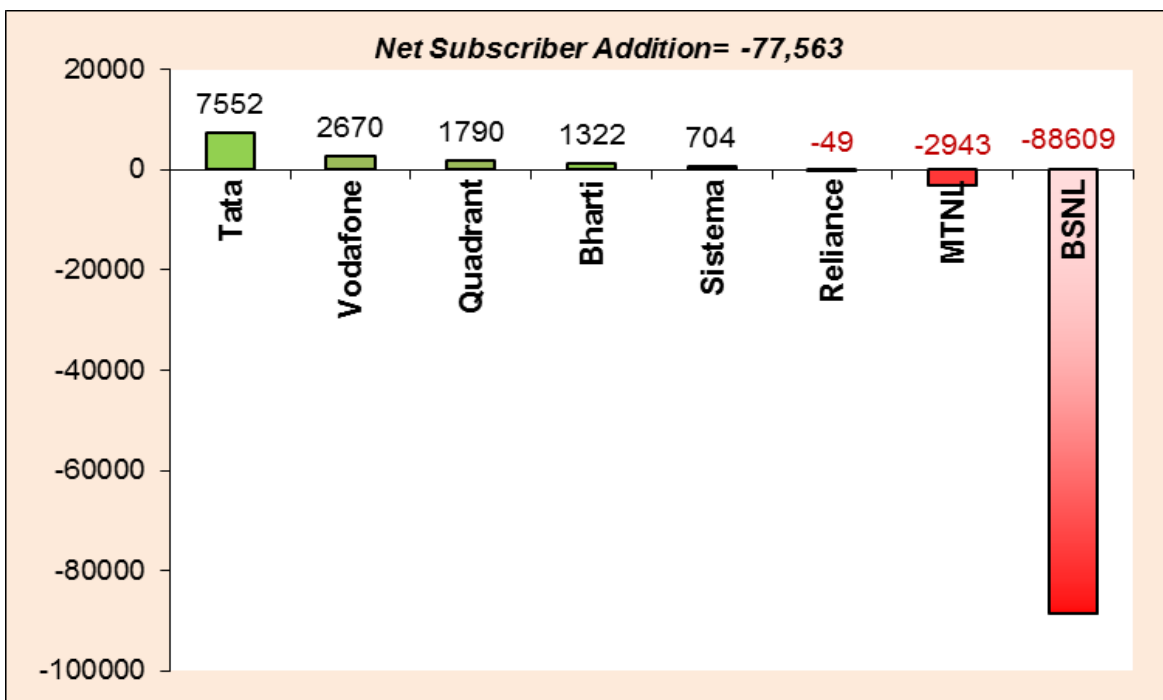
## **V. Wireline Segment**

Wireline subscriber base declined from 29.08 million at the end of October, 2013 to 29.01 Million at the end of November, 2013. Net reduction in wireline subscriber base was 0.08 million at the decline rate of 0.27%. The share of urban subscribers has increased from 78.66% to 78.73% whereas share of rural subscribers has decreased from 21.34% to 21.27%. The overall wireline Teledensity has decreased from 2.36 in October, 2013 to 2.35 in November 2013, with urban and rural Teledensity being 6.03 and 0.72 respectively. BSNL and MTNL, the two PSU operators hold 77.91% of the Wireline market share. Detailed statistics are at Annexure-III. The graphical presentation of market share of all service providers as on 30<sup>th</sup> November, 2013 is given below:

**F. Service Provider wise Market Share as on 30<sup>th</sup> November, 2013**



**G. Wireline Service Provider wise Net addition/decline during November, 2013**



## VI. Category wise Growth

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

### Category wise Net Additions and subscriber base

Category	Net Additions during the month of November, 2013		Subscriber Base as on 30 <sup>th</sup> November, 2013	
	Wireline	Wireless	Wireline	Wireless
Circle A	-34802	1625545	11450675	315458784
Circle B	-38156	1831047	8807146	348752831
Circle C	-3678	1336730	1511568	123895068
Metro	-927	860268	7235953	93027285
<b>All India</b>	<b>-77563</b>	<b>5653590</b>	<b>29005342</b>	<b>881133968</b>

### Category-wise Growth Rate in Access Service

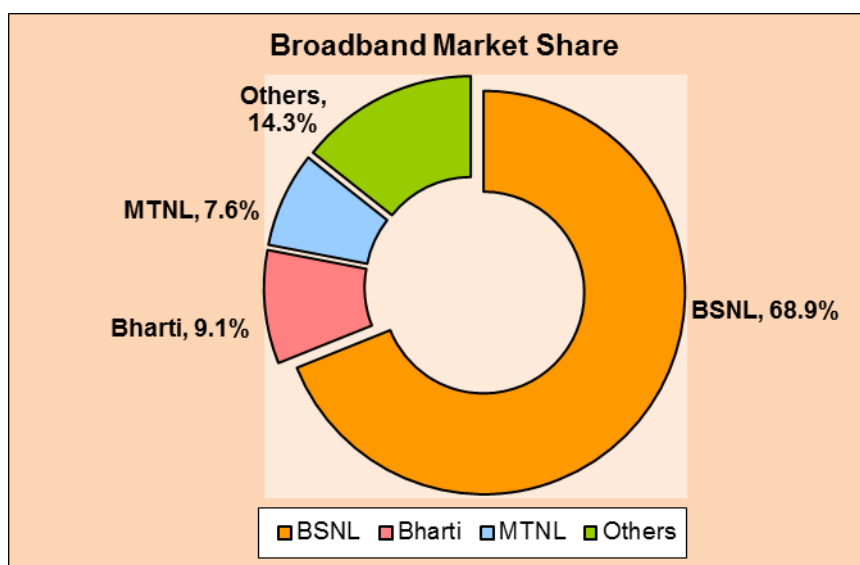
Category	Monthly Rate of Growth (Oct-2013 to Nov-2013)		Yearly rate of growth (Nov-2012 to Nov-2013)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.30%	0.52%	-6.14%	-0.41%
Circle B	-0.43%	0.53%	-9.37%	-1.19%
Circle C	-0.24%	1.09%	-19.05%	-0.06%
Metro	-0.01%	0.93%	2.13%	-4.04%
<b>All India</b>	<b>-0.27%</b>	<b>0.65%</b>	<b>-6.04%</b>	<b>-1.06%</b>

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

## VII. Wireline Broadband ( $\geq 512$ Kbps download)

- As per the reports received from the service providers, there are 14.47 Million Wireline Broadband subscribers in the country at the end of November, 2013. Top 10 service providers constitute 94.78% of total wired broadband subscriber base, in which BSNL is the leading operator with 68.92% market share.
- Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.97 million), Bharti Airtel (1.32 million), MTNL (1.11 million), Hathway Cable (0.36 million) and Beam Telecom (0.34 million).

### H. Wireline Broadband Market Share



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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

Page 1 of 2

Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13
Andhra Pradesh	19115573	19276752	5852580	5884266	5912108	5973695	6450442	6507360	12095058	11951579	1886892	1905991	9501007	9590244
Assam	4251030	4283554	2597978	2600270	2577140	2619173	0	0	497292	494717	3624514	3662358	1253565	1255840
Bihar	20770611	21010070	8852878	9078340	6803842	6847588	3196125	3086422	6283709	6299256	4520428	4769018	3708092	3712828
Delhi	9763888	9828600	7817210	7922076	8907290	8955556	2849936	2871385	5263586	5247311	3158515	3336075		
Gujarat	7162891	7136718	6757186	6709090	16698123	16761324	2669215	2700676	8770740	8738014	35773	30773	4343242	4366621
Haryana	2327703	2352035	2139625	2145723	4717992	4728246	2651913	2662725	3951599	3973821	11092	11092	3131488	3174249
Himachal Pradesh	2097720	2117597	1491489	1479849	530706	524781	143882	140495	513097	509445	760827	780532	1532615	1530756
J & K	2559401	2562850	679719	687031	702697	708970	0	0	277245	271840	2035827	2063778	1238330	1242559
Karnataka	16682484	16823114	6237140	6297280	6968635	7015371	5909189	5940270	6606648	6611164	2255143	2241354	7098302	7086137
Kerala	3606386	3616274	2219425	2190527	6530984	6577007	1669408	1676685	8546006	8540934	4883	1183	8062880	8106846
Kolkata	3776951	3783565	3827972	3908714	4403050	4444964	2842011	2803127	1304196	1208037	2275412	2462993	2271275	2264867
Madhya Pradesh	10262064	10266721	12546528	12354122	4337020	4380662	3957766	3955062	16429076	16619023	22694	22694	5218831	5288117
Maharashtra	10255952	10385957	7204064	7316681	14177690	14431719	6085361	6128493	17625254	17825354	1327860	1338241	6607228	6531260
Mumbai	4156114	4189182	6046347	6085864	6890504	6926339	3437517	3455429	3277902	3268720	1720873	1850641		
North East	2903739	2931421	1009333	1021965	1050717	1073124	0	0	328159	315638	2348938	2351633	1737590	1836550
Orissa	7337009	7331229	4161687	4186982	3183424	3201258	2023659	2023943	1059298	1008328	2968631	3186485	4512997	4562685
Punjab	7144990	7220600	2983580	3016342	4513443	4523525	2446167	2449468	5858165	5833786	1015633	1029802	4488181	4498087
Rajasthan	14974122	15189697	5942076	6025004	9350251	9388251	2344515	2270102	5677941	5605026	3627418	3845338	5927691	5943050
Tamil Nadu (incl. Chennai)	13961929	14121960	6202318	6017733	12688516	12777722	5340360	5340938	2484276	2542804	22120688	22218656	9569939	9635855
U.P.(E)	15530744	15728868	8623968	8638537	14468044	14645990	4242016	4232673	7681362	7704122	4779958	4763462	10222937	10241605
U.P.(W)	6507159	6607472	6030529	5967563	9275287	9355220	3757992	3776773	11125771	11224961	109150	109150	4519594	4522062
West Bengal	9727326	9834024	7488377	7481977	12007030	12173654	1432904	1321757	2721273	2619992	3131142	3301864	2951690	2943339
<b>Total</b>	<b>194875786</b>	<b>196598260</b>	<b>116712009</b>	<b>117015936</b>	<b>156694493</b>	<b>158034139</b>	<b>63450378</b>	<b>63343783</b>	<b>128377653</b>	<b>128413872</b>	<b>63742291</b>	<b>65283113</b>	<b>97897474</b>	<b>98333557</b>
<b>Net Addition</b>		<b>1722474</b>		<b>303927</b>		<b>1339646</b>		<b>-106595</b>		<b>36219</b>		<b>1540822</b>		<b>436083</b>

## Wireless Subscriber Base

Page 2 of 2

## Annexure-I

Circle	Group												Total		Net Add.
	MTNL		Telewings		Sistema		Loop		Videocon		Quadrant				
	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13			
Andhra Pradesh			4128248	4207761									64941908	65297648	355740
Assam													14801519	14915912	114393
Bihar			4432398	4523910									58568083	59327432	759349
Delhi	2554535	2554977			891402	895730							41206362	41611710	405348
Gujarat			5057184	5021205	174171	172986			1065873	1133829			52734398	52771236	36838
Haryana									1197934	1272804			20129346	20320695	191349
Himachal Pradesh													7070336	7083455	13119
J & K													7493219	7537028	43809
Karnataka					1916535	1914628							53674076	53929318	255242
Kerala					438123	441034							31078095	31150490	72395
Kolkata					760141	729415							21461008	21605682	144674
Madhya Pradesh									1220740	1263760			53994719	54150161	155442
Maharashtra			5745699	5740368									69029108	69698073	668965
Mumbai	1020969	1026106					2949421	3007612					29499647	29809893	310246
North East													9378476	9530331	151855
Orissa													25246705	25500910	254205
Punjab											1815022	1894928	30265181	30466538	201357
Rajasthan					2207729	2270358							50051743	50536826	485083
Tamil Nadu (incl. Chennai)					1085723	1106841							73453749	73762509	308760
U.P.(E)			7689609	7658885									73238638	73614142	375504
U.P.(W)			5280827	5217925	307313	289717							46913622	47070843	157221
West Bengal					1790698	1766529							41250440	41443136	192696
<b>Total</b>	<b>3575504</b>	<b>3581083</b>	<b>32333965</b>	<b>32370054</b>	<b>9571835</b>	<b>9587238</b>	<b>2949421</b>	<b>3007612</b>	<b>3484547</b>	<b>3670393</b>	<b>1815022</b>	<b>1894928</b>	<b>875480378</b>	<b>881133968</b>	<b>5653590</b>
<b>Net Addition</b>		<b>5579</b>		<b>36089</b>		<b>15403</b>		<b>58191</b>		<b>185846</b>		<b>79906</b>		<b>5653590</b>	

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

Circle	Aircel	Bharti	BSNL	Quadrant	Idea	Loop	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	55.66	97.53	65.46		98.58			95.50		71.54	67.88		91.36	<b>86.54</b>
Assam	84.80	96.68	80.46		91.71			80.76					95.87	<b>89.32</b>
Bihar	66.72	97.76	52.12		103.38			96.77		47.38	77.37		100.47	<b>88.99</b>
Delhi	62.48	81.35			98.59		46.12	95.17	45.53	64.08			92.43	<b>82.90</b>
Gujarat	53.55	94.19	61.00		99.64			94.31	76.69	64.97	68.32	47.70	93.52	<b>87.11</b>
Haryana	8.25	97.17	52.16		96.97			97.07		65.69		52.45	97.73	<b>83.25</b>
Himachal Pradesh	52.75	94.67	72.85		99.86			91.16		61.18			100.53	<b>84.74</b>
J & K	83.06	95.43	68.38		88.07			54.25					86.49	<b>82.72</b>
Karnataka	56.01	99.01	55.82		98.53			93.05	62.76	76.60			92.04	<b>86.13</b>
Kerala	107.86	98.51	65.63		99.24			93.57	59.03	74.57			92.20	<b>86.62</b>
Kolkata	74.83	95.27	33.62		96.90			96.35	99.88	79.75			95.77	<b>85.01</b>
Madhya Pradesh	8.05	96.65	54.81		102.86			88.23		71.81		58.94	91.39	<b>89.39</b>
Maharashtra	59.76	97.26	71.61		99.95			96.73		75.00	69.82		97.81	<b>90.67</b>
Mumbai	55.99	90.43			88.04	46.28	80.93	97.11		67.86			88.41	<b>81.53</b>
North East	73.86	96.95	51.08		87.54			72.46					90.11	<b>78.71</b>
Orissa	60.26	97.55	59.82		88.65			81.35		72.84			88.92	<b>80.08</b>
Punjab	41.32	95.05	53.83	53.44	96.94			96.16		63.55			94.87	<b>82.47</b>
Rajasthan	72.59	95.66	45.70		104.15			97.18	50.33	72.16			100.20	<b>86.90</b>
Tamil Nadu (incl. Chennai)	56.49	96.62	48.18		79.85			93.15	62.55	62.53			97.71	<b>74.55</b>
U.P. (E)	67.88	99.70	45.47		103.06			96.17		58.65	76.13		101.37	<b>85.55</b>
U.P. (W)	26.75	90.52	52.60		99.28			96.66	47.62	58.50	79.95		102.16	<b>87.90</b>
West Bengal	72.58	96.85	58.68		100.06			94.46	71.25	42.96			98.89	<b>89.77</b>
<b>Total</b>	<b>63.72</b>	<b>96.03</b>	<b>56.27</b>	<b>53.44</b>	<b>99.35</b>	<b>46.28</b>	<b>56.09</b>	<b>93.48</b>	<b>62.19</b>	<b>67.30</b>	<b>73.52</b>	<b>53.22</b>	<b>96.20</b>	<b>85.51</b>

	Wireline Subscriber Base																Annexure-III		
Circle	Group																		Net Add.
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone		Total		
	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	Oct-13	Nov-13	
Andhra Pradesh	1697562	1689843			126417	126669	88369	88117	166921	166856					5,970	6,870	2085239	2078355	-6884
Assam	186361	186040							0	0					870	990	187231	187030	-201
Bihar	364000	363273					5685	5788	10650	11148					270	270	380605	380479	-126
Delhi			1600634	1601967	1186987	1187119	183743	183890	93471	97437					15,000	15,120	3079835	3085533	5698
Gujarat	1489213	1481917			56283	56332	96426	96082	72679	72979					660	690	1715261	1708000	-7261
Haryana	468,335	466,723			16139	15990	5527	5624	26836	26689							516837	515026	-1811
Himachal Pradesh	255,182	253,927					4733	4794	2477	2477							262392	261198	-1194
J & K	189,627	189,800					0	0	0	0							189627	189800	173
Karnataka	1585179	1574864			491754	492685	116588	117095	151013	152515					4,380	4,740	2348914	2341899	-7015
Kerala	2842910	2832102			49617	49357	52584	52268	11530	11719							2956641	2945446	-11195
Kolkata	865363	861517			107414	108341	81475	81584	38086	38213					1320	1470	1093658	1091125	-2533
Madhya Pradesh	827509	827383			225987	225006	25334	25139	17234	17635					150	150	1096214	1095313	-901
Maharashtra	1932974	1925008			69411	69198	99015	98683	249007	249054					3,270	3,360	2353677	2345303	-8374
Mumbai			1942759	1938483	356008	356221	233713	234092	522477	521769					8,430	8,730	3063387	3059295	-4092
North East	142,588	142,288							0	0					60	60	142648	142348	-300
Orissa	341842	339497					3715	3780	6826	7076					360	360	352743	350713	-2030
Punjab	932937	930414			92978	92708	24269	23978	16990	16978	204884	206674			360	360	1272418	1271112	-1306
Rajasthan	850196	845762			36786	36957	24000	23833	8194	8327			54404	55108	510	540	974090	970527	-3563
Tamil Nadu (incl. Chennai)	2292771	2285564			463714	463995	147198	147381	75553	76458					3150	3720	2982386	2977118	-5268
U.P.(E)	754600	745392			51750	51958	40637	40734	14010	14050					540	540	861537	852674	-8863
U.P.(W)	608606	601772			21187	21218	6008	6017	8437	8562					270	270	644508	637839	-6669
West Bengal	517097	513157					2168	2259	3792	3793							523057	519209	-3848
<b>Total</b>	<b>19144852</b>	<b>19056243</b>	<b>3543393</b>	<b>3540450</b>	<b>3352432</b>	<b>3353754</b>	<b>1241187</b>	<b>1241138</b>	<b>1496183</b>	<b>1503735</b>	<b>204884</b>	<b>206674</b>	<b>54404</b>	<b>55108</b>	<b>45570</b>	<b>48240</b>	<b>29082905</b>	<b>29005342</b>	<b>-77563</b>
<b>Net Addition</b>		<b>-88609</b>		<b>-2943</b>		<b>1322</b>		<b>-49</b>		<b>7552</b>		<b>1790</b>		<b>704</b>		<b>2670</b>		<b>-77563</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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