

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 13th December, 2013

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सत्यमेव जयते

Highlights on Telecom Subscription Data as on 31st October, 2013

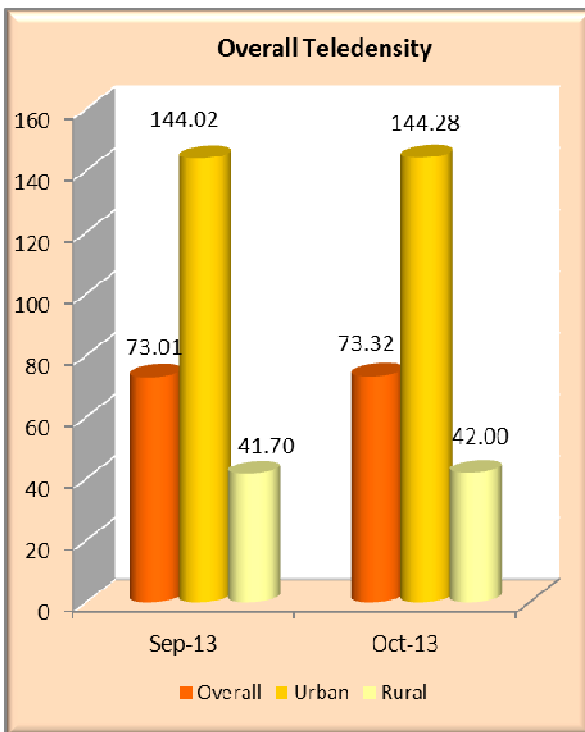
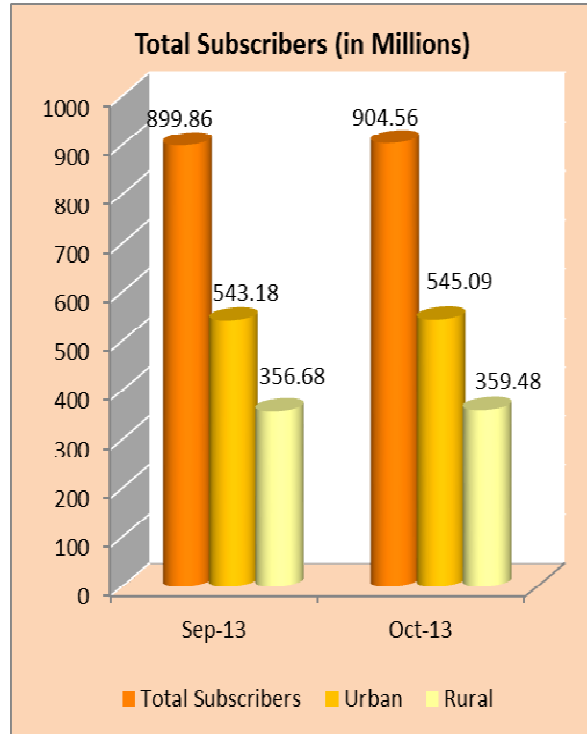
Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Millions)	875.48	29.08	904.56
Total Net Monthly Addition (Millions)	4.90	-0.20	4.70
Monthly Growth (%)	0.56	-0.68	0.52
Urban Subscribers (Millions)	522.21	22.88	545.09
Urban Subscribers Net Monthly Addition (Millions)	2.00	-0.10	1.90
Monthly Growth (%)	0.38	-0.41	0.35
Rural Subscribers (Millions)	353.27	6.21	359.48
Rural Subscribers Net Monthly Addition (Millions)	2.90	-0.10	2.79
Monthly Growth (%)	0.83	-1.65	0.78
Overall Teledensity*	70.96	2.36	73.32
Urban Teledensity*	138.23	6.06	144.28
Rural Teledensity*	41.27	0.73	42.0
Share of Urban Subscribers	59.65%	78.66%	60.26%
Share of Rural Subscribers	40.35%	21.34%	39.74%

- ❖ Mobile Number Portability requests increased from 102.49 million subscribers at the end of September, 2013 to 104.79 million at the end of October 2013. In the month of October 2013 alone 2.30 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in October, 2013 are 744.28 million, 85.01% of the total subscribers.
- ❖ Wireline Broadband (\geq 512 Kbps) subscription reached 14.91 million in October 2013.

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

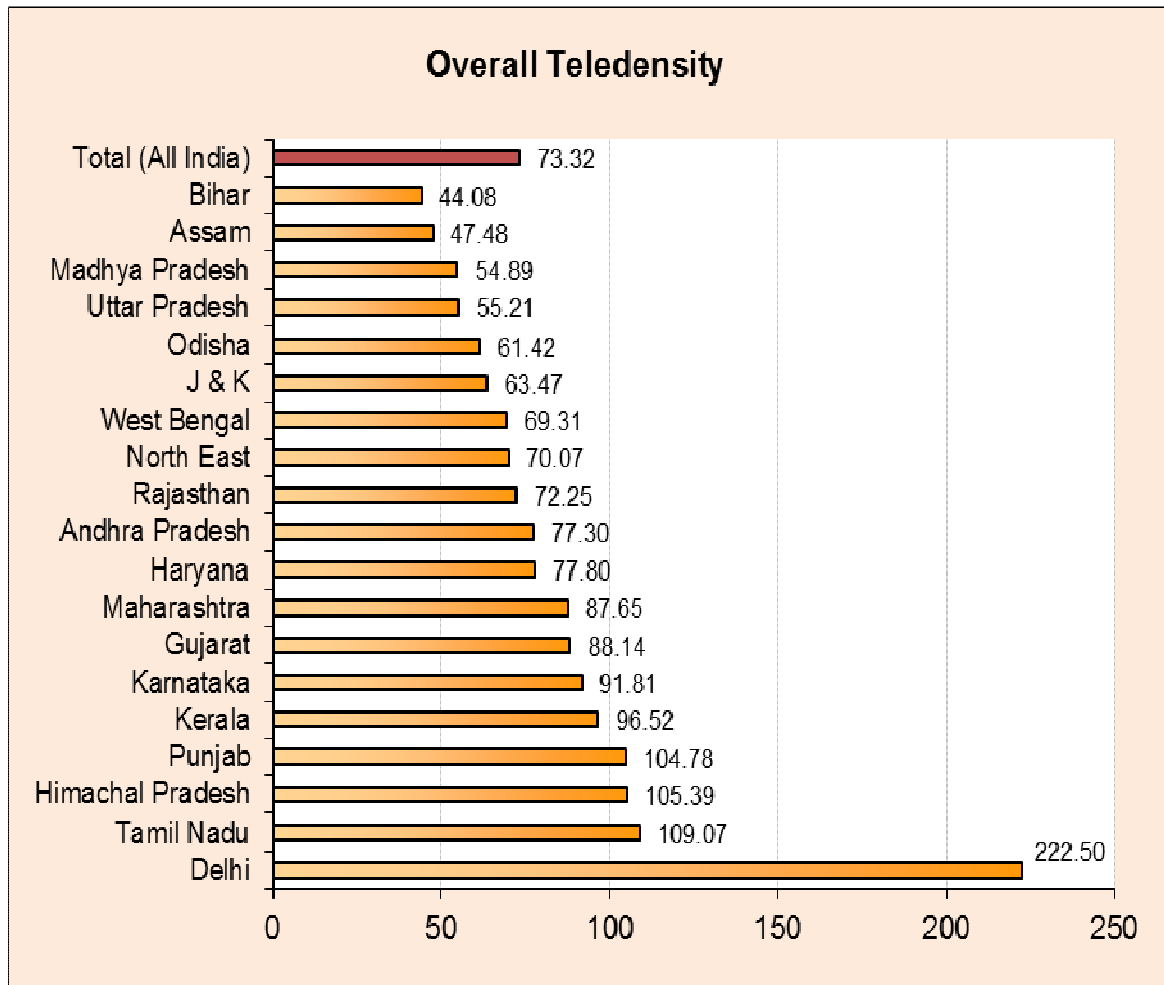
I. Total Telephone Subscribers

The number of telephone subscribers in India increased from 899.86 million at the end of September, 2013 to 904.56 million at the end of October 2013, thereby showing a monthly growth of 0.52%. The share of urban subscribers has declined from 60.36% to 60.26% whereas share of rural subscribers has increased from 39.64% to 39.74% in the month of October 2013. With this, the overall Teledensity in India increased from 73.01 at the end of September, 2013 to 73.32 at the end of October, 2013.



Subscription in the urban areas increased from 543.18 million in September, 2013 to 545.09 million at the end of October, 2013. Subscription in rural areas increased from 356.68 million to 359.48 million during the same period. The monthly growth rate of urban and rural subscription is 0.35% and 0.78% respectively. The overall urban Teledensity has increased from 144.02 to 144.28 and Rural Teledensity increased from 41.70 to 42.00 in this month.

Overall Teledensity (Circle Wise)

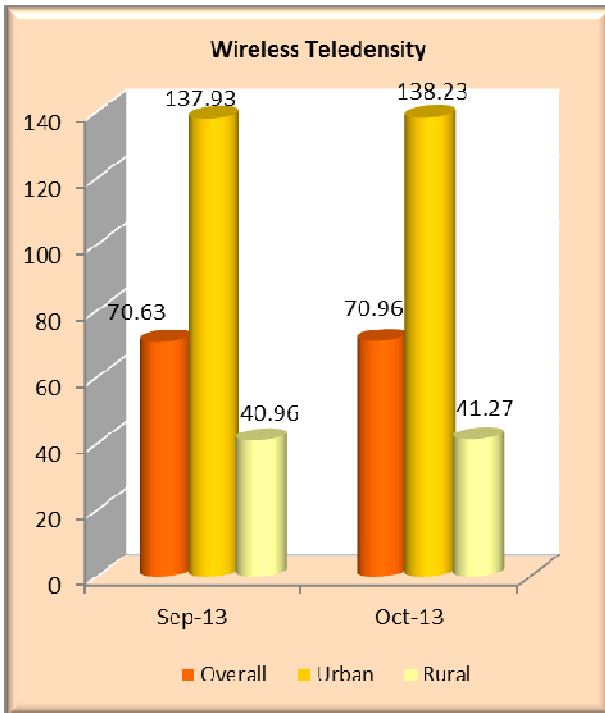
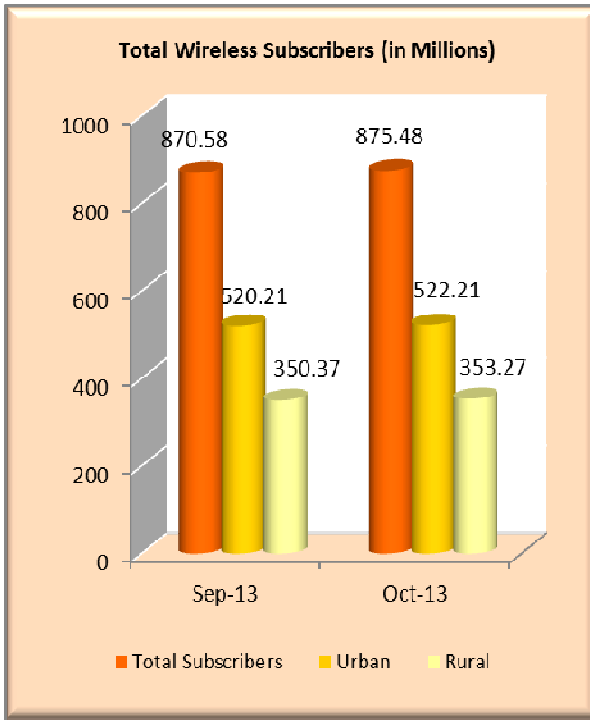


Notes:

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)

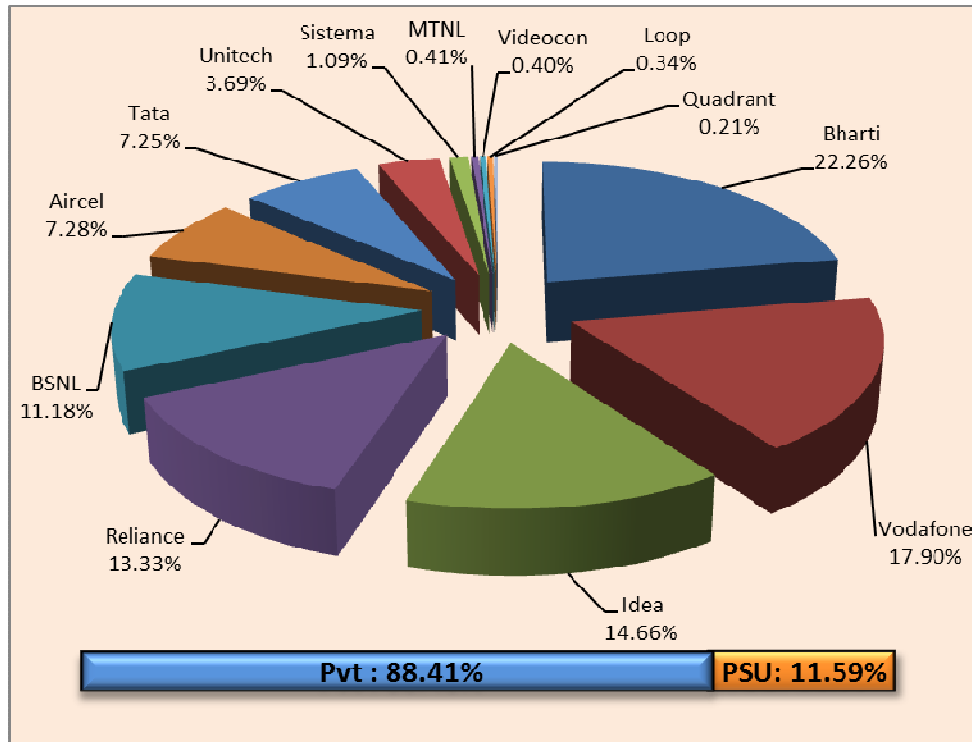
- Total wireless subscriber base increased from 870.58 million in September, 2013 to 875.48 million at the end of October 2013, registering a monthly growth of 0.56%. The share of urban wireless subscribers has declined from 59.75% to 59.65% whereas share of rural wireless subscribers has increased from 40.25% to 40.35%. The overall wireless Teledensity in India has reached to 70.96 from 70.63 of previous month.



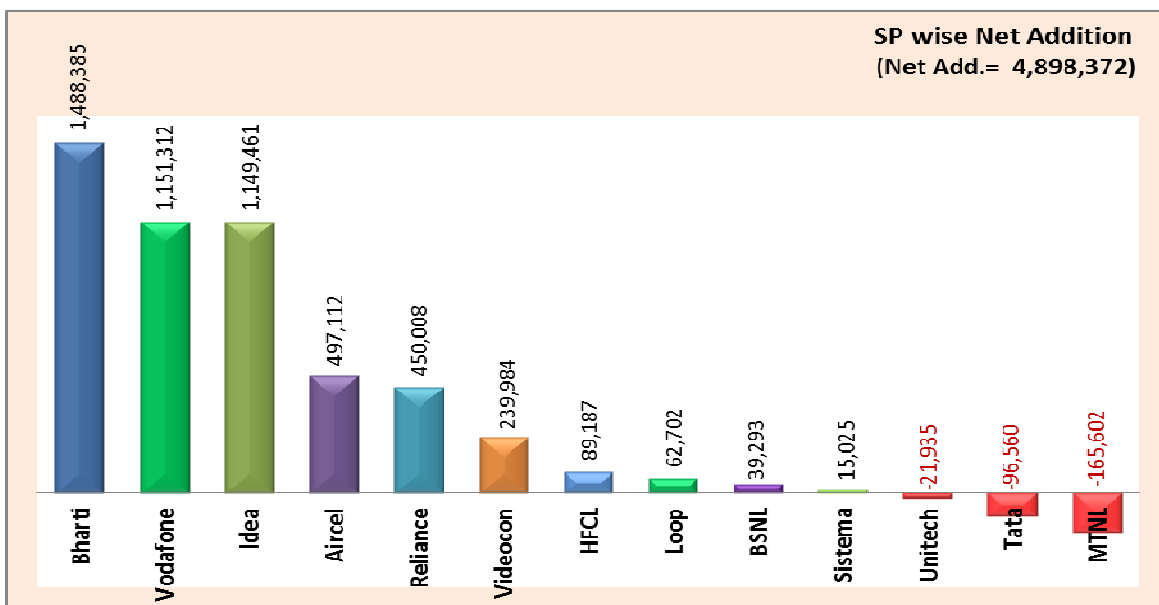
- Wireless subscription in urban areas increased from 520.21 million in September, 2013 to 522.21 million at the end of October, 2013. The wireless subscription in rural areas increased from 350.37 million to 353.27 million during the same period. The urban wireless Teledensity has increased from 137.93 to 138.23 and rural Teledensity has increased from 40.96 to 41.27. Detailed statistics is available at Annexure I.

- Private operators hold 88.41% of the wireless market share (based on subscriber base) whereas BSNL and MTNL, the two PSU operators hold only 11.59% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of October, 2013 are given below:

A. Service Provider wise Market Share as on 31st October, 2013.



B. Service Provider wise net subscriber addition during October, 2013

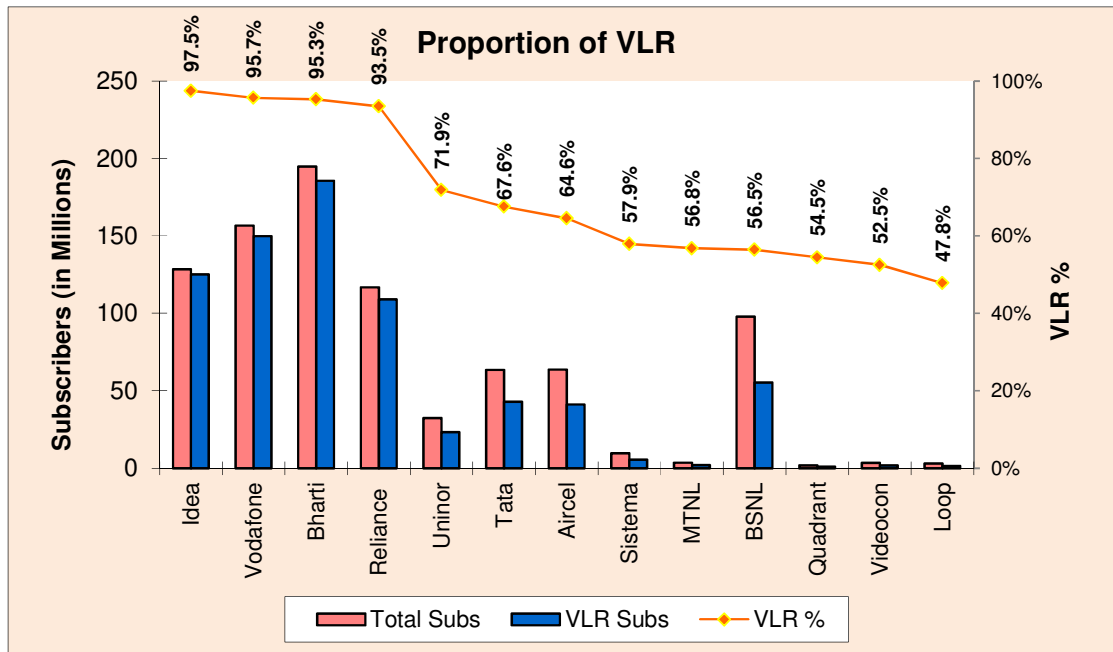


III. VLR Data

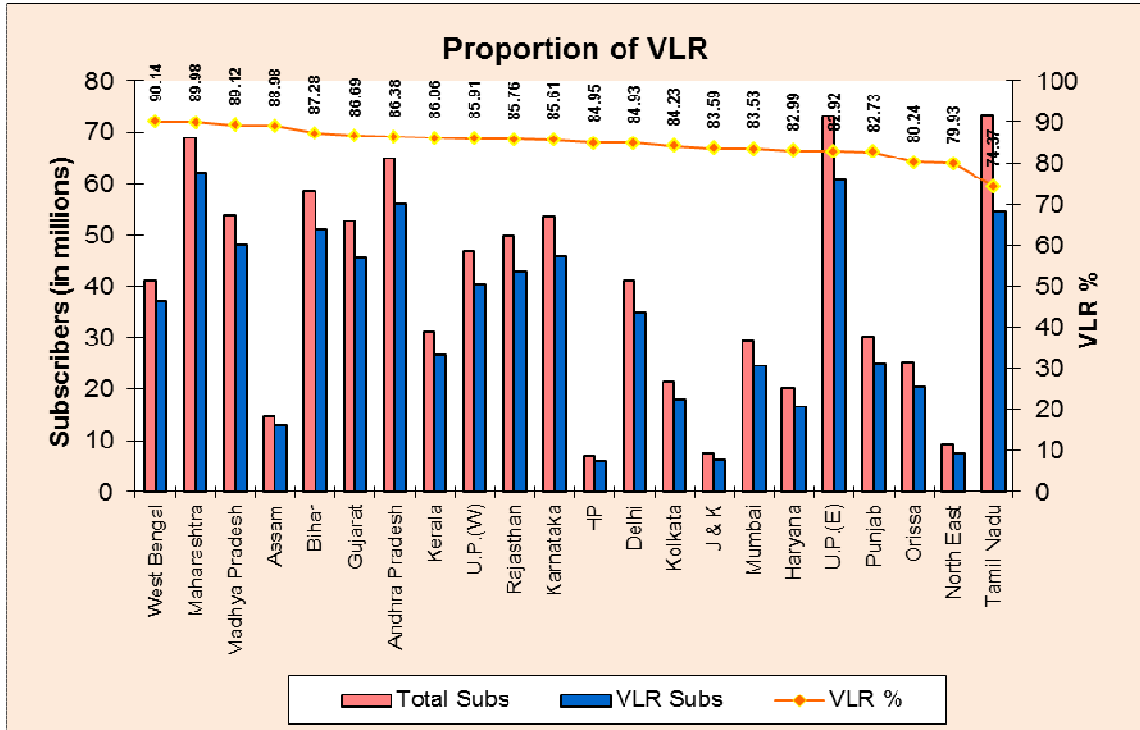
Out of the total 875.48 million wireless subscribers, 744.28 million were active on the date of Peak VLR for the month of October 2013. The proportion of VLR subscribers is approximately 85.01% of the total wireless subscriber base reported by the service providers.

Service Provider wise, Idea leads the tally with 97.5% followed by Vodafone (95.7%) and Bharti (95.3%). Circle-wise, West Bengal has the highest proportion of VLR subscribers with 90.14% followed by Maharashtra(89.98%) and M.P.(89.12%). TN (incl. Chennai) has the lowest proportion with 74.37%. The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

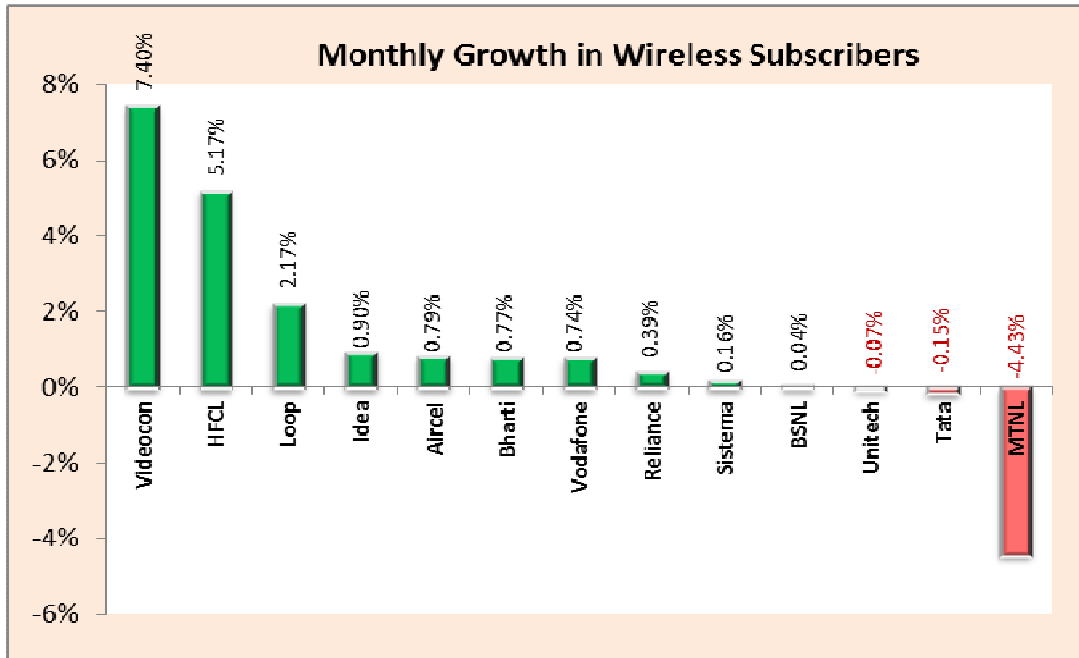
A. Proportion of VLR subscribers (Service Provider wise) – October, 2013



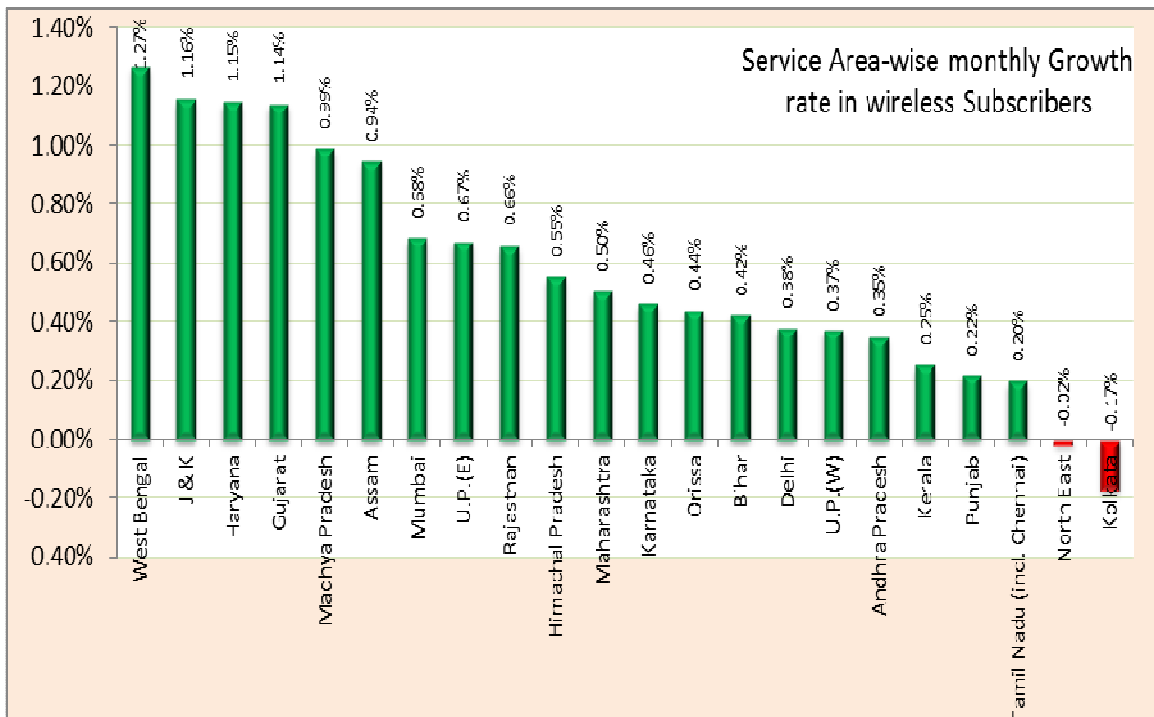
C. Proportion of VLR subscribers (Service Area wise)- October, 2013



D. Service Provider wise monthly growth in total wireless subscribers



E. Service Area wise monthly growth in total wireless subscribers



IV. Mobile Number Portability

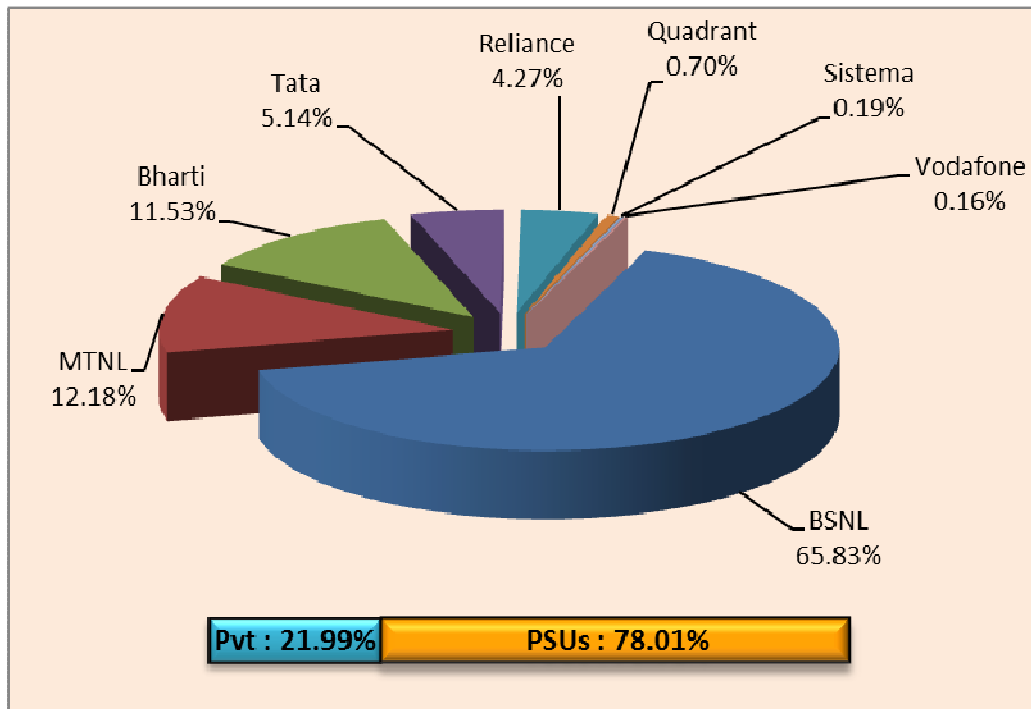
As per the data reported by the service providers, by the end of October 2013 about 104.79 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (about 10.44 million) followed by Gujarat (about 9.09 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (about 12.06 million) followed by Andhra Pradesh Service area (about 9.52 million). In the month of October 2013, total number of subscribers who have submitted their request for MNP is 2.30 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of October 2013			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	3820027	Andhra Pradesh	9522712
Gujarat	9088985	Assam	385539
Himachal Pradesh	372407	Bihar	2376258
Haryana	3893337	Karnataka	12060168
Jammu & Kashmir	18652	Kerala	4175072
Maharashtra	8447272	Kolkata	2292549
Mumbai	4166967	Madhya Pradesh	5986640
Punjab	3550982	North East	178426
Rajasthan	10436347	Orissa	2211738
Uttar Pradesh - East	5995511	Tamil Nadu	6168714
Uttar Pradesh - West	5840547	West Bengal	3800105
Total	55,631,034	Total	49,157,921
Total (Zone-1 + Zone-2)			104,788,955
Net Addition (in October 2013)			22,99,069

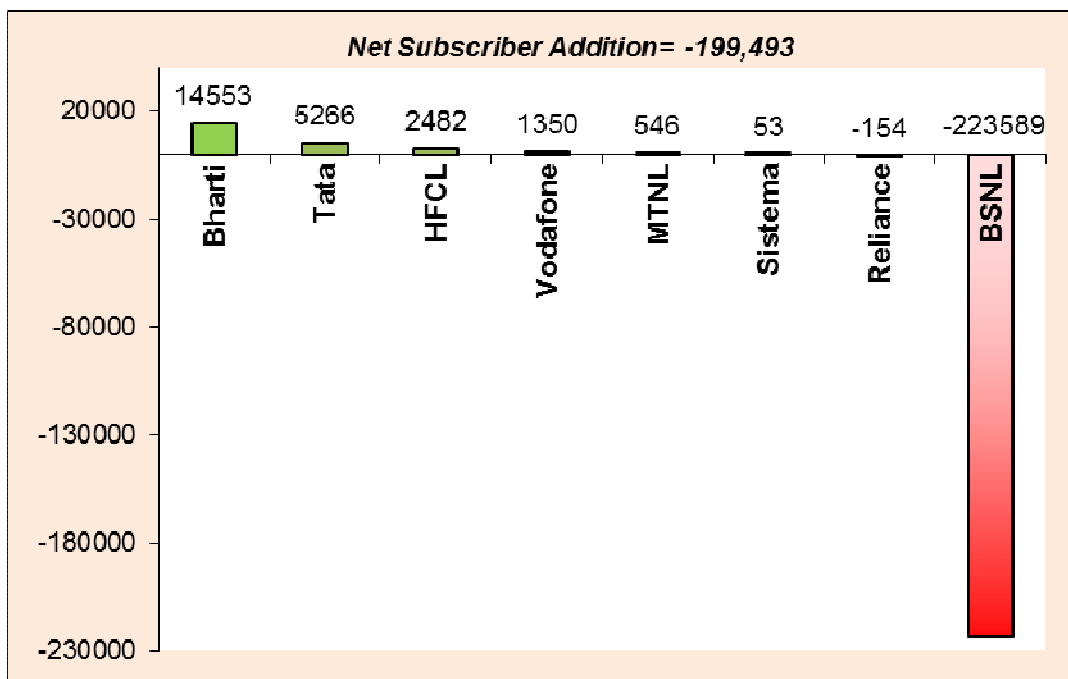
v. Wireline Segment

Wireline subscriber base declined from 29.28 million at the end of September, 2013 to 29.08 Million at the end of October, 2013. Net reduction in wireline subscriber base was 0.20 million at the decline rate of 0.68%. The share of urban subscribers has increased from 78.44% to 78.66% whereas share of rural subscribers has decreased from 21.56% to 21.34%. The overall wireline Teledensity has decreased from 2.38 in September, 2013 to 2.36 in October 2013, with urban and rural Teledensity being 6.06 and 0.73 respectively. BSNL and MTNL, the two PSU operators hold 78.01% of the Wireline market share. Detailed statistics are at Annexure-III. The graphical presentation of market share of all service providers as on 31st October, 2013 is given below:

F. Service Provider wise Market Share as on 31st October, 2013



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



VI. Category wise Growth

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

Category wise Net Additions and subscriber base

Category	Net Additions during the month of October, 2013		Subscriber Base as on 31 st October, 2013	
	Wireline	Wireless	Wireline	Wireless
Circle A	-113459	1555257	11485477	313833239
Circle B	-73765	2405540	8845302	346921784
Circle C	-22668	618133	1515246	122558338
Metro	10399	319442	7236880	92167017
All India	-199,493	4,898,372	29,082,905	875,480,378

Category-wise Growth Rate in Access Service

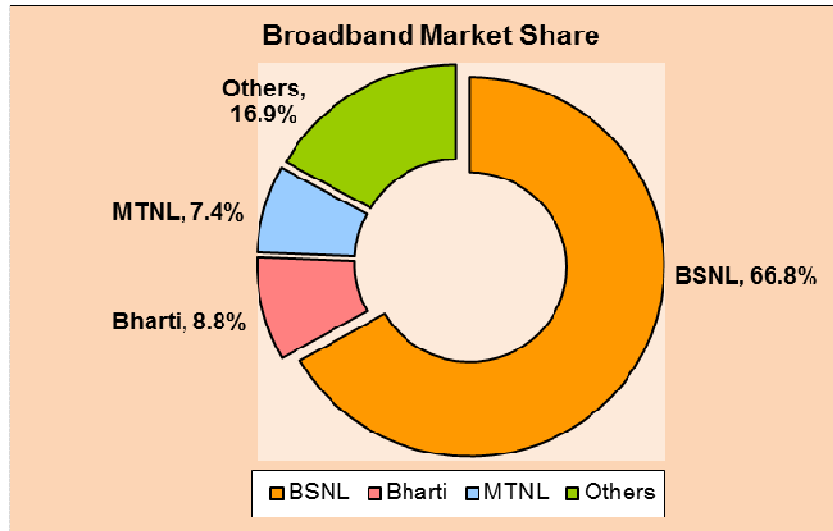
Category	Monthly Rate of Growth (Sep-2013 to Oct-2013)		Yearly rate of growth (Oct-2012 to Oct-2013)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.98%	0.50%	-6.12%	-2.84%
Circle B	-0.83%	0.70%	-9.39%	-3.04%
Circle C	-1.47%	0.51%	-18.86%	-1.74%
Metro	0.14%	0.35%	2.16%	-6.61%
All India	-0.68%	0.56%	-6.03%	-3.18%

- 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)

- The Department of Telecommunications issued a Notification on 18th July, 2013 revising the definition of Broadband as '*Broadband is a data connection that is able to support interactive services including Internet access and has the capability of the minimum download speed of 512 Kbps to an individual subscriber from the point of presence (PoP) of the service provider intending to provide broadband service*'. Accordingly, the minimum download speed has been increased from 256 Kbps to 512 Kbps.
- From this month, the service providers have started reporting number of wireline broadband subscribers in accordance with the revised definition i.e. \geq 512 Kbps.
- As on 31st October, 2013, there are 153 Service Providers (ISPs) which are providing wireline broadband services in the country. Out of these, 105 SPs (which constitute 98.71% of the market share) have submitted broadband subscription data for the month of October 2013 as per revised definition of broadband. For the rest of the ISPs, data from previous month (with pre-revised definition) has been retained.
- At the end of October 2013, there were 14.91 Million Wireline Broadband subscribers in the country. However, it may be seen that increase in the minimum download speed from 256 Kbps to 512 Kbps has not hugely impacted the overall number of wireline broadband subscribers.
- Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.96 million), Bharti Airtel (1.32 million), MTNL (1.11 million), Hathway Cable (0.37 million) and Beam Telecom (0.34 million).

H. Wireline Broadband Market Share



Contact details in case of any clarification:

Manish Sinha, Advisor (F&EA), TRAI

Mahanagar Doorsanchar Bhawan

Jawahar Lal Nehru Marg,

New Delhi – 110002,

Ph: 011-23221509

Fax: 011-23236650

E-mail: manishsinha@traai.gov.in

Authorised to issue:

**(Manish Sinha)
Advisor (F&EA)**

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

Wireless Subscriber Base

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Annexure-I

Circle	Group													
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel		BSNL	
	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13
Andhra Pradesh	18902208	19115573	5838085	5852580	5863892	5912108	6422349	6450442	11981302	12095058	1858428	1886892	9436663	9501007
Assam	4196065	4251030	2596140	2597978	2556126	2577140	0	0	476682	497292	3588972	3624514	1249026	1253565
Bihar	20518049	20770611	8818475	8852878	6747640	6803842	3272417	3196125	6164066	6283709	4677210	4520428	3724996	3708092
Delhi	9725980	9763888	7786352	7817210	8845576	8907290	2869124	2849936	5251411	5263586	3133898	3158515		0
Gujarat	7117258	7162891	6697392	6757186	16518850	16698123	2628198	2669215	8690983	8770740	35773	35773	4327505	4343242
Haryana	2337348	2327703	2132062	2139625	4681275	4717992	2641822	2651913	3882250	3951599	11092	11092	3084055	3131488
Himachal Pradesh	2090603	2097720	1465806	1491489	534203	530706	149456	143882	513452	513097	742881	760827	1535145	1532615
J & K	2532977	2559401	672626	679719	687681	702697	0	0	267487	277245	2014339	2035827	1232401	1238330
Karnataka	16564821	16682484	6280514	6237140	6920902	6968635	5847645	5909189	6586224	6606648	2201043	2255143	7101531	7098302
Kerala	3599838	3606386	2331344	2219425	6489482	6530984	1654458	1669408	8466741	8546006	4883	4883	8016967	8062880
Kolkata	3751235	3776951	3962970	3827972	4365823	4403050	2874101	2842011	1316958	1304196	2179944	2275412	2281729	2271275
Madhya Pradesh	10209163	10262064	12477822	12546528	4256579	4337020	3929565	3957766	16295647	16429076	22694	22694	5149579	5218831
Maharashtra	10226355	10255952	7189914	7204064	14076683	14177690	6074114	6085361	17421267	17625254	1312246	1327860	6612452	6607228
Mumbai	4107494	4156114	5925983	6046347	6831544	6890504	3420790	3437517	3237854	3277902	1704239	1720873		0
North East	2852276	2903739	992057	1009333	1045692	1050717	0	0	328482	328159	2352414	2348938	1808999	1737590
Orissa	7289389	7337009	4134554	4161687	3168882	3183424	2043209	2023659	1063004	1059298	2908410	2968631	4529030	4512997
Punjab	7107014	7144990	3070724	2983580	4503245	4513443	2449104	2446167	5845234	5858165	1002025	1015633	4496007	4488181
Rajasthan	14836741	14974122	5897406	5942076	9270335	9350251	2423876	2344515	5660460	5677941	3566660	3627418	5891417	5927691
Tamil Nadu (incl. Chennai)	13929539	13961929	6264558	6202318	12665721	12688516	5303725	5340360	2486098	2484276	21968800	22120688	9605448	9569939
U.P.(E)	15433113	15530744	8536047	8623968	14400071	14468044	4272276	4242016	7594778	7681362	4767195	4779958	10204912	10222937
U.P.(W)	6484305	6507159	5927904	6030529	9261589	9275287	3748747	3757992	11014960	11125771	109150	109150	4605390	4519594
West Bengal	9575630	9727326	7263266	7488377	11851390	12007030	1521962	1432904	2682852	2721273	3082883	3131142	2964929	2951690
Total	193387401	194875786	116262001	116712009	155543181	156694493	63546938	63450378	127228192	128377653	63245179	63742291	97858181	97897474
Net Addition		1488385		450008		1151312		-96560		1149461		497112		39293

Wireless Subscriber Base

Annexure-I

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Circle	Group												Total		Net Add.
	MTNL		Unitech		Sistema		Loop		Videocon		Quadrant (HFCL)				
	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13			
Andhra Pradesh	0	0	4414731	4128248	0	0	0	0	0	0	0	0	64717658	64941908	224250
Assam	0	0	0	0	0	0	0	0	0	0	0	0	14663011	14801519	138508
Bihar	0	0	4398886	4432398	0	0	0	0	0	0	0	0	58321739	58568083	246344
Delhi	2556692	2554535	0	0	882224	891402	0	0	0	0	0	0	41051257	41206362	155105
Gujarat	0	0	4960851	5057184	175572	174171	0	0	988327	1065873	0	0	52140709	52734398	593689
Haryana	0	0	0	0	0	0	0	0	1131142	1197934	0	0	19901046	20129346	228300
Himachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	7031546	7070336	38790
J & K	0	0	0	0	0	0	0	0	0	0	0	0	7407511	7493219	85708
Karnataka	0	0	0	0	1924172	1916535	0	0	0	0	0	0	53426852	53674076	247224
Kerala	0	0	0	0	436353	438123	0	0	0	0	0	0	31000066	31078095	78029
Kolkata	0	0	0	0	764521	760141	0	0	0	0	0	0	21497281	21461008	-36273
Madhya Pradesh	0	0	0	0	0	0	0	0	1125094	1220740	0	0	53466143	53994719	528576
Maharashtra	0	0	5770597	5745699	0	0	0	0	0	0	0	0	68683628	69029108	345480
Mumbai	1184414	1020969	0	0	0	0	2886719	2949421	0	0	0	0	29299037	29499647	200610
North East	0	0	0	0	0	0	0	0	0	0	0	0	9379920	9378476	-1444
Orissa	0	0	0	0	0	0	0	0	0	0	0	0	25136478	25246705	110227
Punjab	0	0	0	0	0	0	0	0	0	0	1725835	1815022	30199188	30265181	65993
Rajasthan	0	0	0	0	2178127	2207729	0	0	0	0	0	0	49725022	50051743	326721
Tamil Nadu (incl. Chennai)	0	0	0	0	1085246	1085723	0	0	0	0	0	0	73309135	73453749	144614
U.P.(E)	0	0	7541316	7689609	0	0	0	0	0	0	0	0	72749708	73238638	488930
U.P.(W)	0	0	5269519	5280827	318743	307313	0	0	0	0	0	0	46740307	46913622	173315
West Bengal	0	0	0	0	1791852	1790698	0	0	0	0	0	0	40734764	41250440	515676
Total	3741106	3575504	32355900	32333965	9556810	9571835	2886719	2949421	3244563	3484547	1725835	1815022	870582006	875480378	4898372
Net Addition		-165602		-21935		15025		62702		239984		89187		4898372	

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

Circle	Aircel	Bharti	BSNL	Quadrant (HFCL)	Idea	Loop	MTNL	Reliance	Sistema	Tata	Unitech	Videocon	Vodafone	Total
Andhra Pradesh	53.50	97.15	68.53		96.18			96.13		72.08	66.70		90.41	86.38
Assam	85.41	97.59	70.79		88.37			82.06					95.70	88.98
Bihar	68.16	95.83	52.32		98.01			96.58		46.70	76.52		97.04	87.28
Delhi	66.20	82.94			98.50		46.37	96.08	47.07	66.00			96.88	84.93
Gujarat	51.58	94.49	61.48		97.43			96.72	46.14	65.98	65.71	46.84	92.91	86.69
Haryana	8.00	98.62	51.52		96.06			96.58		66.08		54.17	96.06	82.99
Himachal Pradesh	53.27	95.54	73.29		101.98			89.06		62.15			100.27	84.95
J & K	84.29	96.05	69.57		84.51			55.52					87.63	83.59
Karnataka	55.31	98.40	55.07		96.50			94.33	58.62	77.67			91.93	85.61
Kerala	31.60	96.56	65.44		97.90			94.36	58.02	75.23			92.06	86.06
Kolkata	76.27	95.22	33.89		95.55			96.85	57.46	80.47			97.60	84.23
Madhya Pradesh	8.68	98.13	55.98		102.47			86.94		71.07		55.90	89.63	89.12
Maharashtra	56.53	95.53	71.22		98.62			96.78		77.66	69.36		97.31	89.98
Mumbai	59.98	92.78			89.00	47.83	82.96	96.15		69.55			92.49	83.53
North East	73.58	97.73	55.07		84.29			74.67					89.74	79.93
Orissa	67.68	95.15	59.70		84.81			81.50		72.83			88.25	80.24
Punjab	42.49	94.16	53.79	54.47	95.87			96.72		64.10			97.64	82.73
Rajasthan	74.48	94.60	46.40		100.11			96.83	51.74	69.28			97.34	85.76
Tamil Nadu (incl. Chennai)	57.27	96.85	48.23		80.57			92.48	63.16	61.95			95.27	74.37
U.P. (E)	66.32	94.32	44.75		99.25			95.05		57.87	74.08		99.29	82.92
U.P. (W)	26.79	90.23	51.89		96.93			96.31	46.74	58.04	77.41		97.62	85.91
West Bengal	71.34	97.22	59.42		97.47			94.63	70.30	40.37			101.28	90.14
Total	64.57	95.28	56.48	54.47	97.50	47.83	56.82	93.49	57.93	67.58	71.87	52.53	95.69	85.01

Wireline Subscriber Base																	Annexure-III		
Circle	Group																		
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total		Net Add.
	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	Sep-13	Oct-13	
Andhra Pradesh	1751010	1697562			125802	126417	88593	88369	165416	166921					5,940	5,970	2136761	2085239	
Assam	191564	186361							0	0					840	870	192404	187231	-5173
Bihar	372808	364000					5592	5685	10692	10650					270	270	389362	380605	-8757
Delhi			1598794	1600634	1162863	1186987	183570	183743	93159	93471					14,490	15,000	3052876	3079835	26959
Gujarat	1496328	1489213			55994	56283	96795	96426	72875	72679					630	660	1722622	1715261	-7361
Haryana	470,023	468,335			20742	16139	5440	5527	26489	26836							522694	516837	-5857
Himachal Pradesh	256,824	255,182					4733	4733	2446	2477							264003	262392	-1611
J & K	189,774	189,627					0	0	0	0							189774	189627	-147
Karnataka	1613635	1585179			487776	491754	115937	116588	149472	151013					4,260	4,380	2371080	2348914	-22166
Kerala	2871487	2842910			49218	49617	52885	52584	11420	11530							2985010	2956641	-28369
Kolkata	886504	865363			106901	107414	81377	81475	37917	38086					1320	1320	1114019	1093658	-20361
Madhya Pradesh	830208	827509			231995	225987	25563	25334	17100	17234					120	150	1104986	1096214	-8772
Maharashtra	1942678	1932974			68774	69411	99408	99015	247964	249007					3,210	3,270	2362034	2353677	-8357
Mumbai			1944053	1942759	350592	356008	233286	233713	523465	522477					8,190	8,430	3059586	3063387	3801
North East	143,447	142,588							0	0						60	143447	142648	-799
Orissa	348150	341842					3676	3715	6738	6826					360	360	358924	352743	-6181
Punjab	935140	932937			97111	92978	24577	24269	17087	16990	202402	204884			270	360	1276587	1272418	-4169
Rajasthan	852978	850196			36466	36786	24193	24000	7935	8194			54351	54404	510	510	976433	974090	-2343
Tamil Nadu (incl. Chennai)	2310589	2292771			471287	463714	147040	147198	74523	75553					3000	3150	3006439	2982386	-24053
U.P.(E)	766715	754600			51230	51750	40525	40637	14000	14010					540	540	873010	861537	-11473
U.P.(W)	616600	608606			21128	21187	5998	6008	8464	8437					270	270	652460	644508	-7952
West Bengal	521979	517097					2153	2168	3755	3792							527887	523057	-4830
Total	19368441	19144852	3542847	3543393	3337879	3352432	1241341	1241187	1490917	1496183	202402	204884	54351	54404	44220	45570	29282398	29082905	-199493
Net Addition		-223589		546		14553		-154		5266		2482		53		1350		-199493	

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.
