

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 7th September 2012

(www.trai.gov.in)

**Monthly Highlights on Telecom Subscription Data as on 31st July 2012**

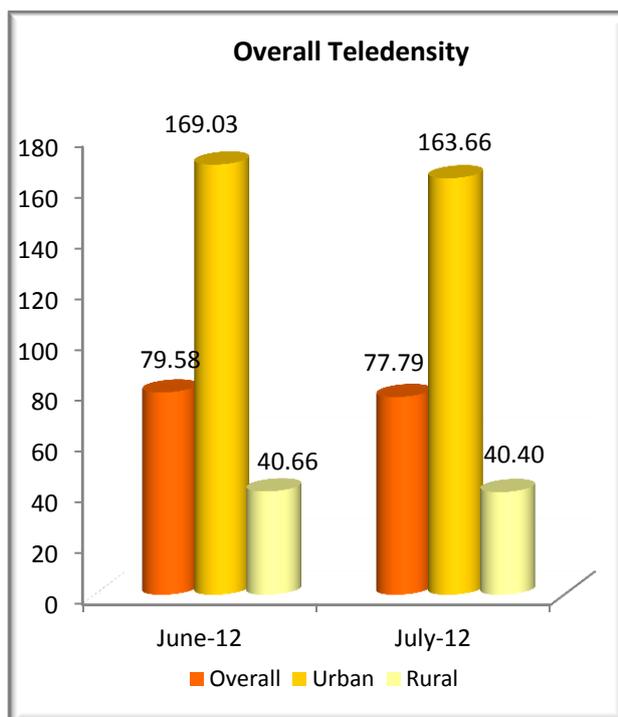
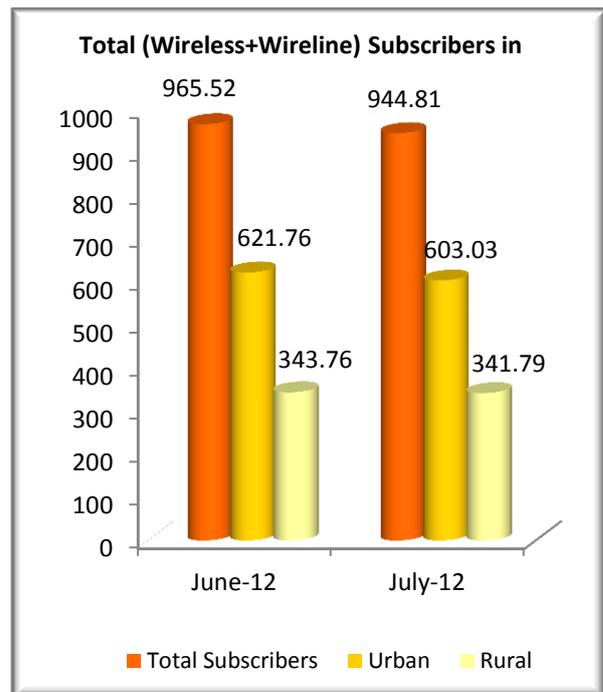
Particulars	Wireless	Wireline	Total Wireless+Wireline
Total Subscribers (Millions)	913.49	31.33	944.81
Total Net Monthly Addition (Millions)	-20.61	-0.10	-20.71
Monthly Growth (%)	-2.21%	-0.32%	-2.14%
Urban Subscribers (Millions)	578.90	24.13	603.03
Urban Subscribers Net Addition (Millions)	-18.68	-0.05	-18.73
Monthly Growth (%)	-3.13%	-0.20%	-3.01%
Rural Subscribers (Millions)	334.58	7.20	341.79
Rural Subscribers Net Addition (Millions)	-1.92	-0.05	-1.98
Monthly Growth (%)	-0.57%	-0.73%	-0.57%
Overall Teledensity*	75.21	2.58	77.79
Urban Teledensity*	157.11	6.55	163.66
Rural Teledensity*	39.54	0.85	40.40
Share of Urban Subscribers	63.37%	77.01%	63.83%
Share of Rural Subscribers	36.63%	22.99%	36.17%

- ❖ Mobile Number Portability requests increased from 54.33 million subscribers at the end of June 2012 to 59.31 million at the end of July 2012. In the month of July 2012 alone, 4.98 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in July 2012 are 698.06 Million, 76.42% of the total subscribers.
- ❖ Broadband subscription reached 14.68 million in July 2012 from 14.50 million in June 2012.

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

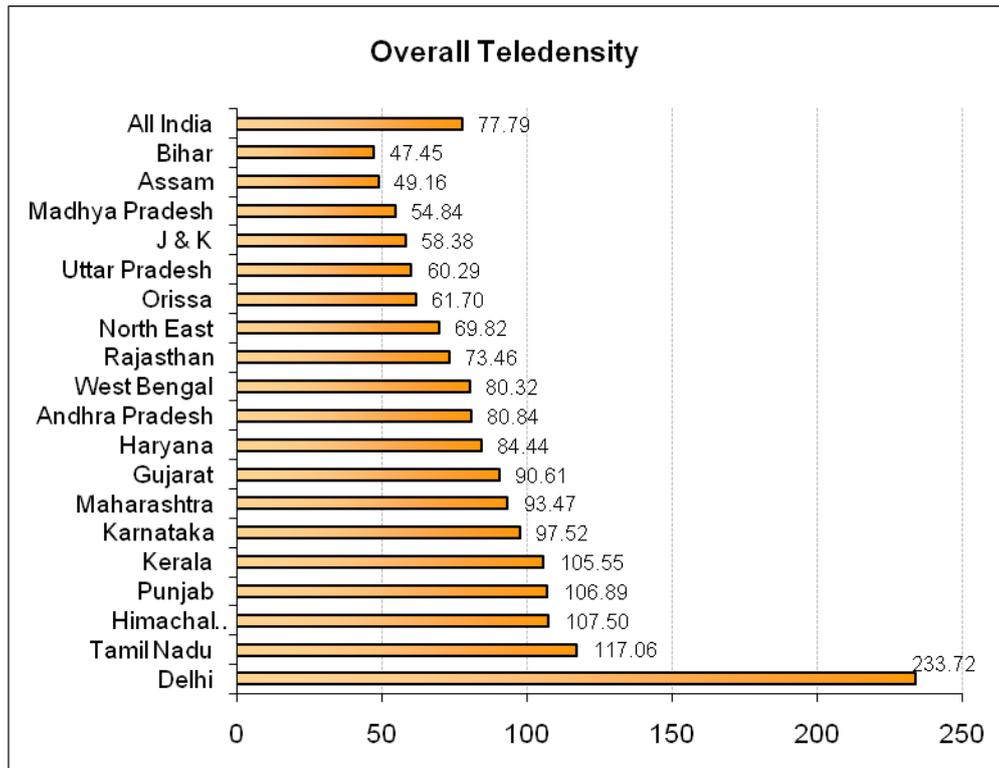
I. Total Telephone Subscribers

• The number of telephone subscribers in India decreased to 944.81 million at the end of July, 2012 from 965.52 million at the end of June 2012, thereby registering a monthly growth rate of -2.14%. The share of urban subscribers has declined to 63.83% from 64.40% whereas share of rural subscribers has increased to 36.17% in the month of July 2012. With this, the overall Teledensity in India reached 77.79 at the end of July, 2012 from 79.58 of the previous month.



• Subscription in urban areas decreased from 621.76 million in June, 2012 to 603.03 million at the end of July, 2012. Subscription in rural areas decreased from 343.76 million to 341.79 million during the same period. The monthly growth rate of urban and rural subscription is -3.01% and -0.57% respectively. The overall urban Teledensity has decreased from 169.03 to 163.66 and Rural Teledensity decreased from 40.66 to 40.40.

Overall Teledensity (Circle Wise)

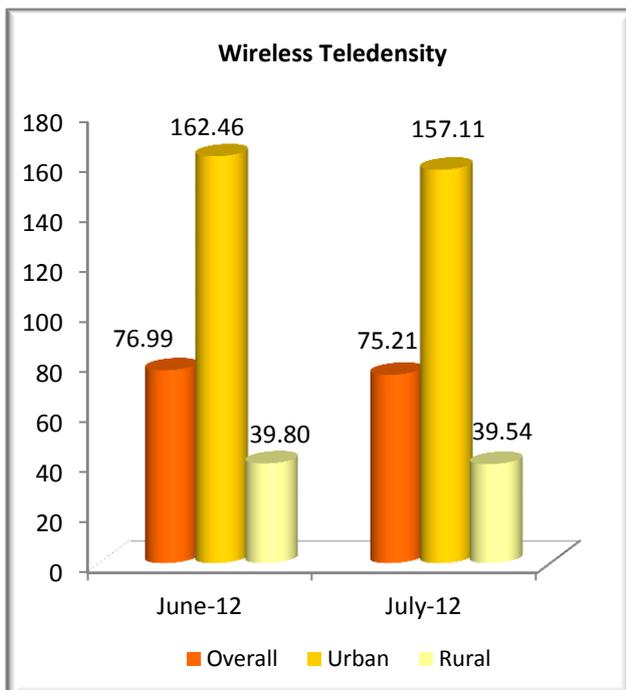
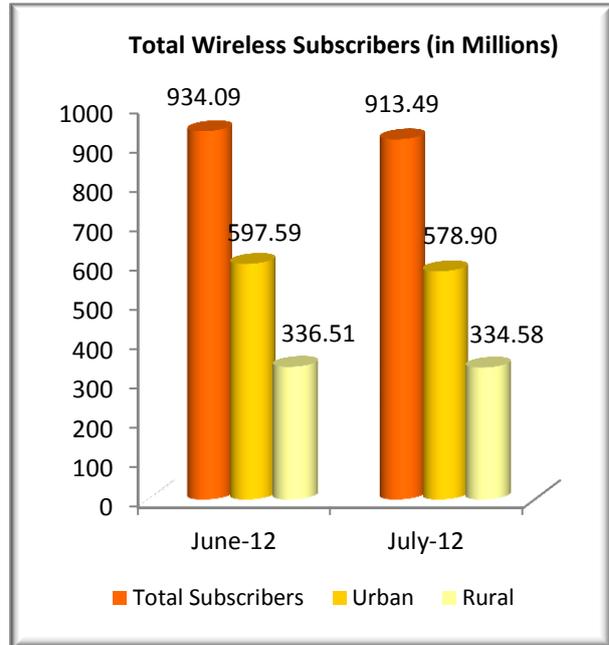


Notes:

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)

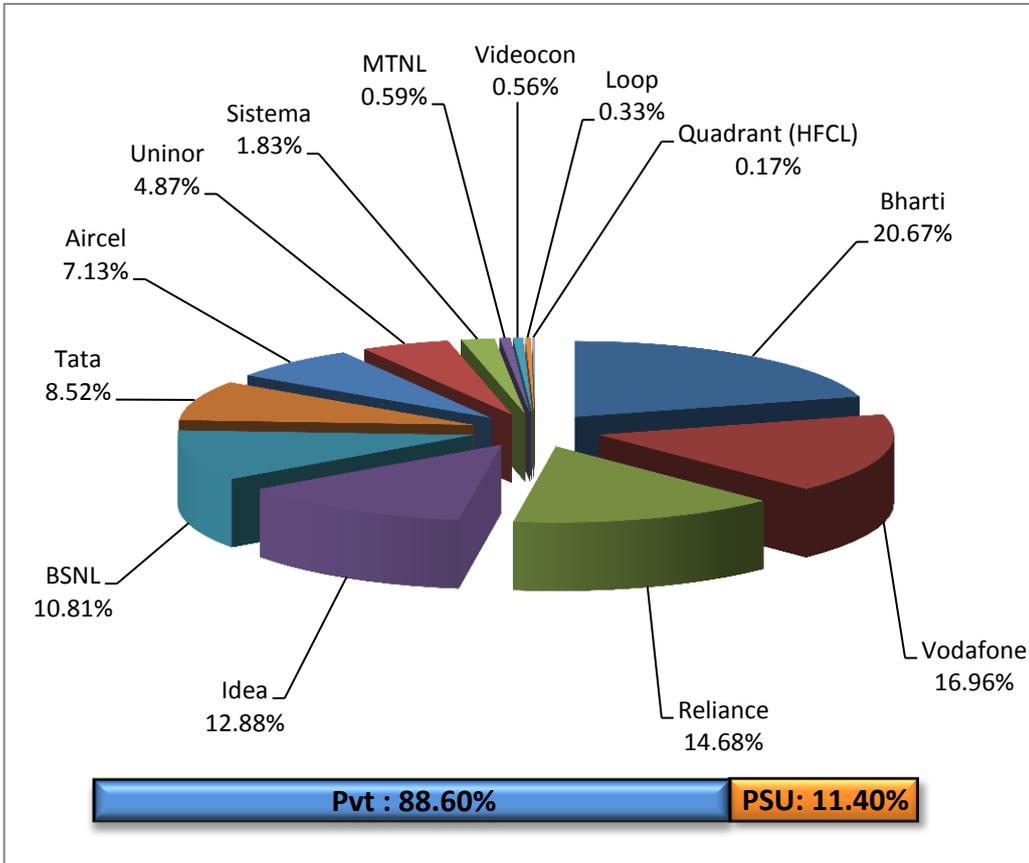
- Total wireless subscriber base decreased from 934.09 million in June 2012 to 913.49 million at the end of July 2012, registering a monthly growth of -2.21%. This decline is due to large scale disconnections by some of the service providers. The share of urban wireless subscribers has decreased from 63.98 % to 63.37% where as share of rural wireless subscribers has increased from 36.02% to 36.63%. The overall wireless Teledensity in India reached 75.21.



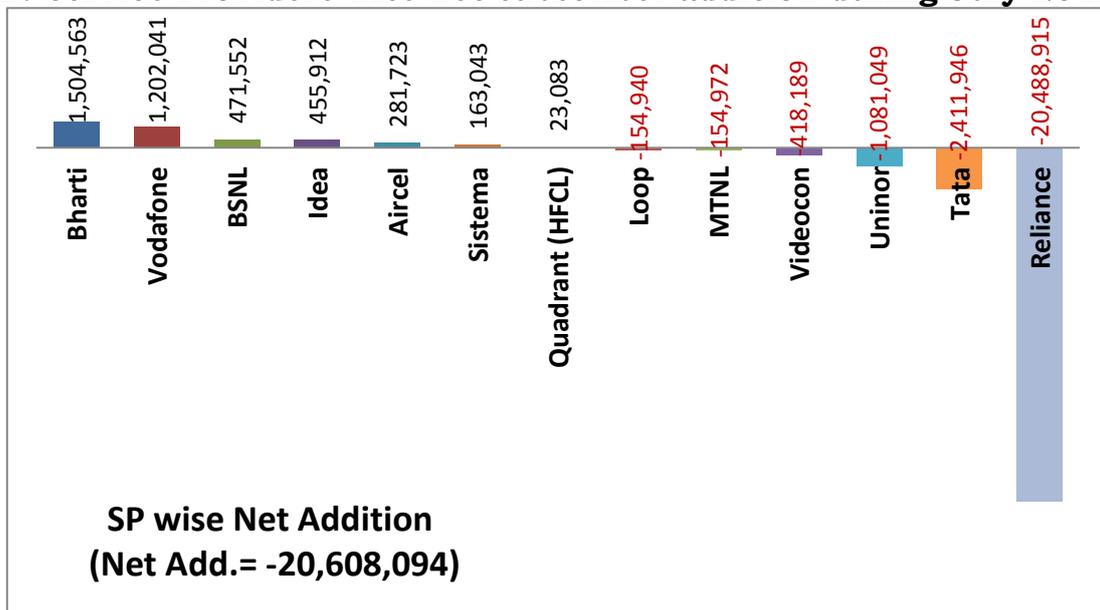
- Wireless subscription in urban areas decreased from 597.59 million in June 2012 to 578.90 million at the end of July 2012. The wireless subscription in rural areas decreased from 336.51 million to 334.58 million during the same period. The urban wireless Teledensity has decreased from 162.46 to 157.11 and rural Teledensity has decreased from 39.80 to 39.54. Detailed statistics is at Annexure I.

- Private operators hold 88.60% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.40% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of July, 2012 are given below:

A. Service Provider wise Market Share as on 31st July, 2012.



B. Service Providers wise net subscriber addition during July 2012

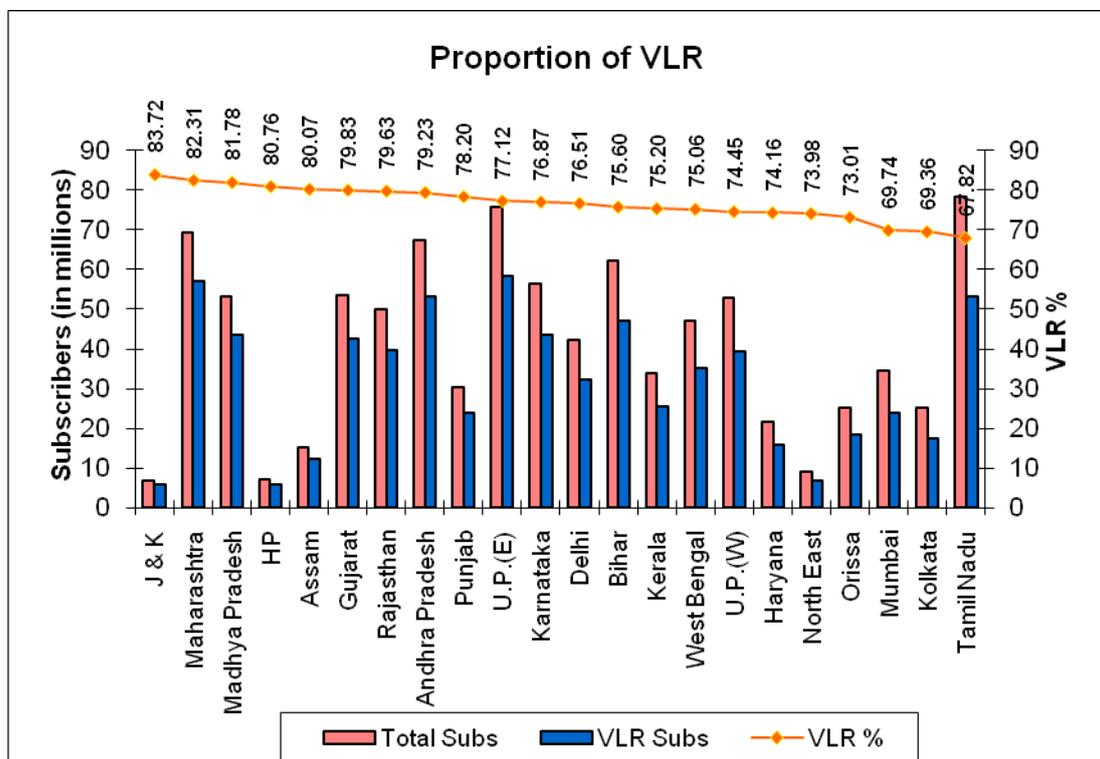


III. VLR Data

Out of the total 913.49 million wireless subscribers, 698.06* million were active on the date of Peak VLR for the month of July 2012. The proportion of VLR subscribers is approximately 76.42% of the total wireless subscriber base reported by the service providers.

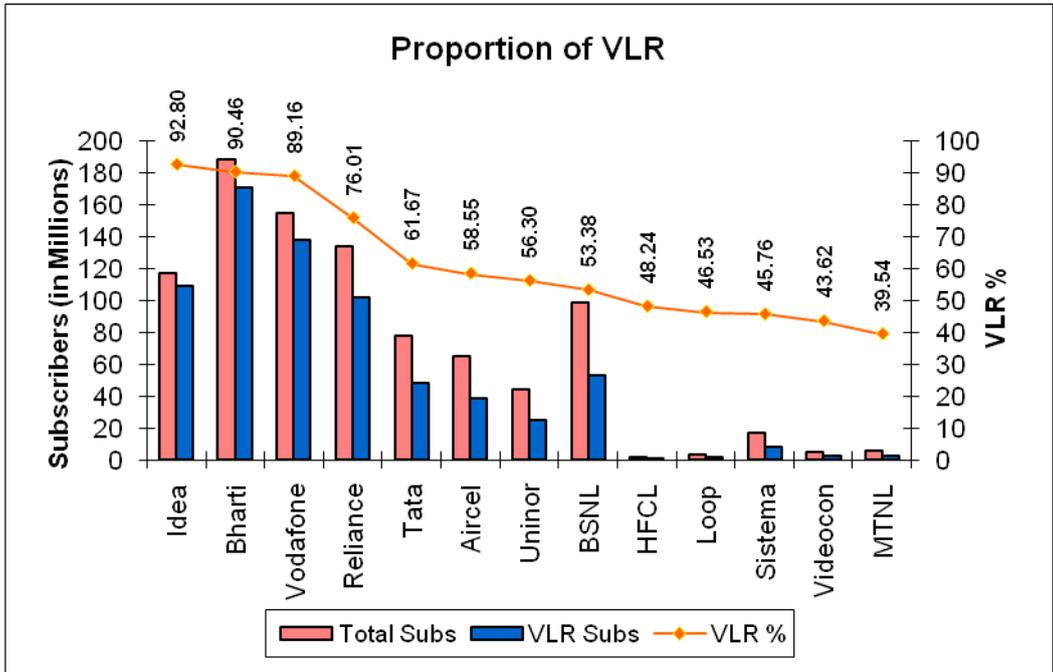
Circle-wise, J&K has the highest proportion of VLR subscribers with 83.72% followed by Maharashtra (82.31%) and Madhya Pradesh (81.78%); Tamil Nadu has the lowest proportion with 67.82%. Service Provider wise, Idea leads the tally with 92.80% followed by Bharti (90.46%). The detailed statistics of proportionate VLR is at Annexure II & methodology used for reporting subscriber base/active subscribers is at Annexure IV.

Proportion of VLR subscribers (Circle wise)

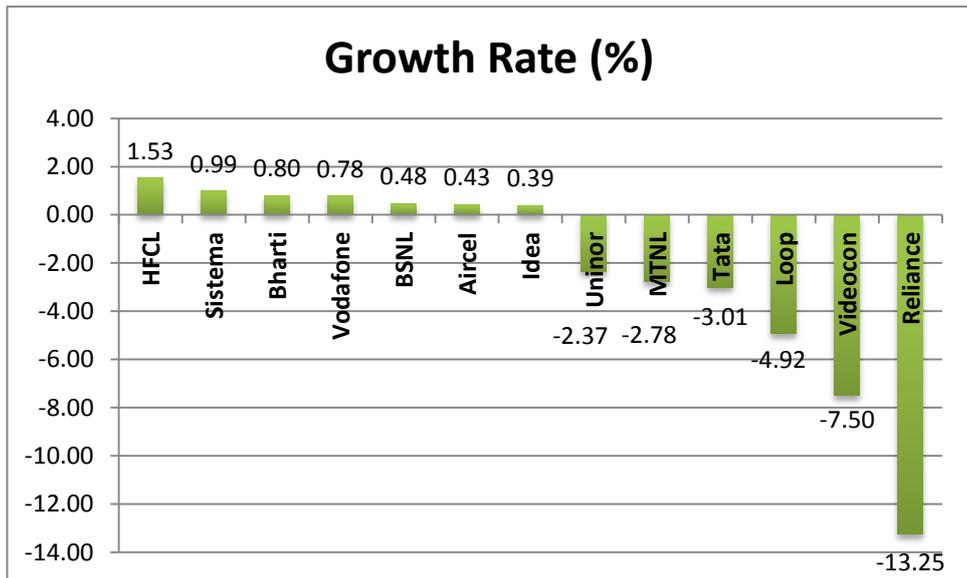


* The total active VLR number excludes the CDMA VLR figure of BSNL as the service provider has not provided the VLR figures of their total CDMA subscriber base of 3.28 million.

Proportion of VLR subscribers (Service Provider wise)



Service Provider wise growth in subscriber base (June-July 2012).



IV. Mobile Number Portability

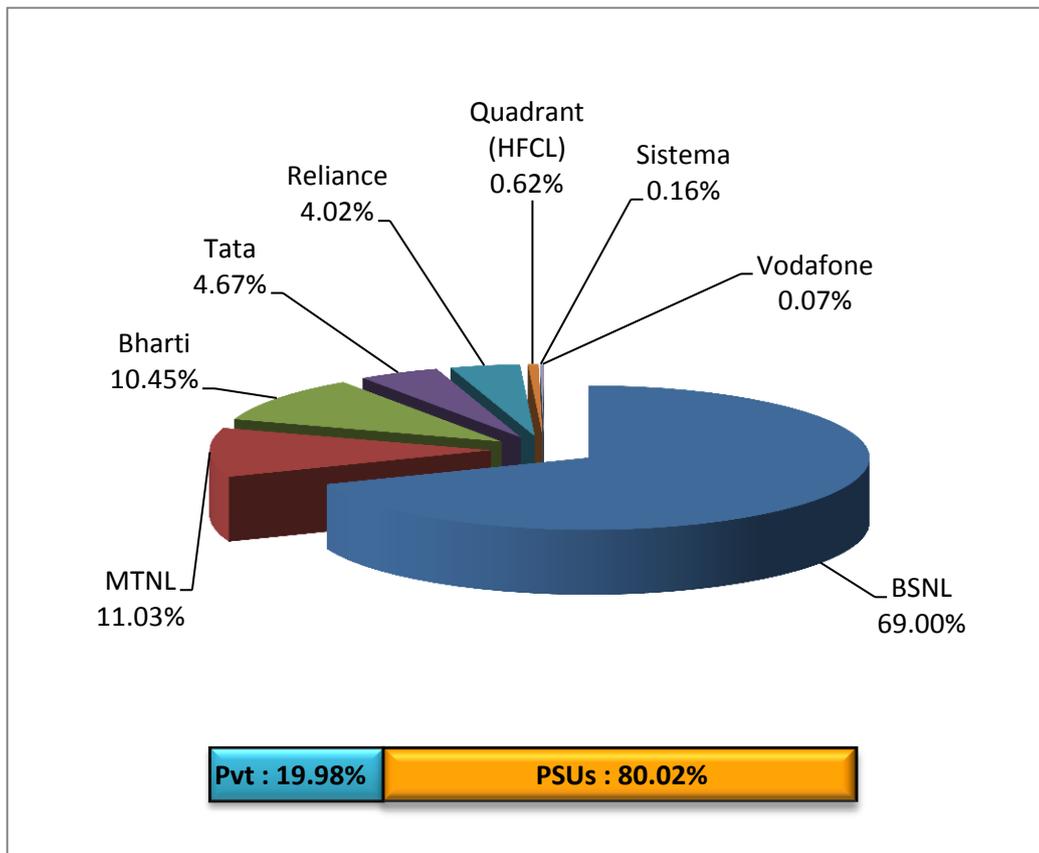
As per the data reported by the service providers, by the end of July 2012 about 59.31 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (5.63 million) followed by Gujarat (5.34 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (7.19 million) followed by Andhra Pradesh Service area (5.72 million). In the month of July 2012, total number of subscribers who have submitted their request for MNP is 4.98 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of July 2012			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	2149625	Andhra Pradesh	5724762
Gujarat	5337580	Assam	204873
Himachal Pradesh	255121	Bihar	1182935
Haryana	2314278	Karnataka	7192202
Jammu & Kashmir	8929	Kerala	2650982
Maharashtra	5001213	Kolkata	1155220
Mumbai	2071774	Madhya Pradesh	3460600
Punjab	2023314	North East	84701
Rajasthan	5626930	Orissa	1127027
Uttar Pradesh - East	3453857	Tamil Nadu	3293716
Uttar Pradesh - West	3391387	West Bengal	1598815
Total	31634008	Total	27675833
Total (Zone-1 + Zone-2)			59309841
Net Addition (in July 2012)			4983205

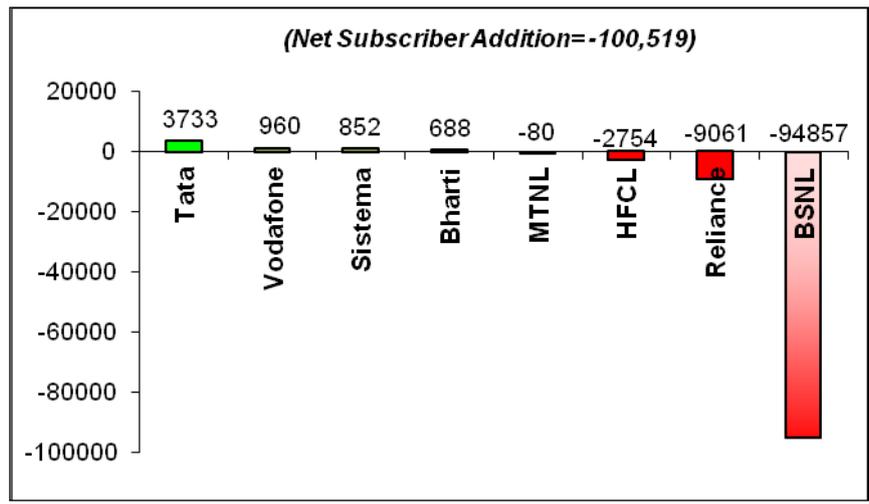
v. Wireline Segment

Wireline subscriber base declined from 31.43 million at the end of June 2012 to 31.33 Million at the end of July 2012. Net reduction in wireline subscriber base was 1.01 lakhs. The share of urban subscribers has increased from 76.92% to 77.01% where as share of rural subscribers has declined from 23.08% to 22.99%. The overall wireline Teledensity has marginally decreased from 2.59 in June 2012 to 2.58 in July 2012, with urban and rural Teledensity being 6.55 and 0.85 respectively. BSNL and MTNL, the two PSU operators hold 80.02% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service providers as on 31st July 2012 is given below:

A. Service Provider wise Market Share as on 31st July 2012



B. Wireline Service Provider wise Net addition during July 2012:



VI. Category wise Growth

- As can be seen from the following tables, while the Circles in Category B show the highest reduction in subscriber base, the Circles in Category Metro show the highest rate of decline in the wireless sector from June 2012 to July 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 July, 2012		Subscriber Base as on 31 st July, 2012	
	Wireline	Wireless	Wireline	Wireless
Circle A	-25793	-5907699	12356002	324014447
Circle B	-64196	-9596439	9977489	363124973
Circle C	-4309	-2274535	1912913	124995933
Metro	-6221	-2829421	7081312	101350759
All India	-100519	-20608094	31327715	913486112

Category-wise Growth Rate in Access Service

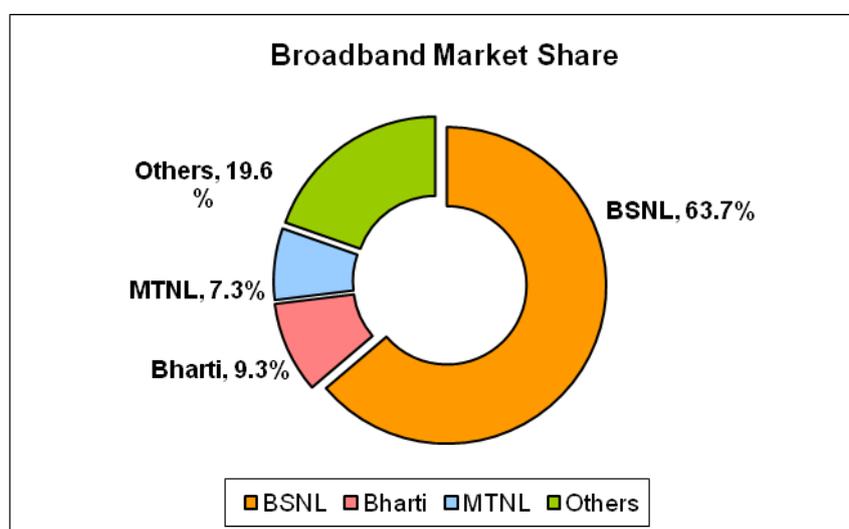
Category	Monthly Rate of Growth (June-2012 to July-2012)		Yearly rate of growth (July-2011 to July-2012)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.21%	-1.79%	-6.03%	6.87%
Circle B	-0.64%	-2.57%	-9.15%	7.44%
Circle C	-0.22%	-1.79%	-32.31%	7.76%
Metro	-0.09%	-2.72%	-1.95%	0.13%
All India	-0.32%	-2.21%	-8.34%	6.42%

- 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 14.50 million at the end of June 2012 to 14.68 million at the end of July 2012, there by showing a monthly growth of 1.20%. Yearly growth in broadband subscribers is 17.40% during the last one year (August 2011 to July 2012).

As on 31st July 2012, there are 156 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of this only 114 ISPs have provided data for the month of July 2012, for the rest of the ISPs data from previous month has been retained (Data from top 10 ISPs, which constitute 93.60% of the total subscriber base, have been received for the month of July 2012). Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.36 million), Bharti Airtel (1.37 million), MTNL (1.08 million), You Broadband (0.66 million) and Hathway (0.37 million).



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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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Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel/Dishnet	
	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12
Andhra Pradesh	18841936	19018895	8195550	7856367	6273477	6343502	7906670	7677069	10545813	10767832	1820961	1907825
Assam	3877114	3911113	3064741	3145517	2353212	2397545	131044	131037	359132	363382	3838600	3872107
Bihar	18296280	18425727	9487767	8510660	6476332	6645133	4801174	4551900	5964298	5943661	5147125	5158468
Delhi	8952797	9053676	9222550	8340429	8888365	8978451	4093170	4052035	4853688	4899511	2781763	2777214
Gujarat	7336115	7394384	8465703	7613380	16047103	16049103	3662749	3549073	8606504	8358540	769189	797786
Haryana	2501314	2526769	4360164	2739042	4551481	4553532	2901570	2810670	3876555	3861911	628661	646027
Himachal Pradesh	1902855	1925629	1942244	1540448	485278	497808	314463	291355	489163	495136	753575	766205
J & K	2193528	2229089	576149	591486	719029	721323	109105	111103	195572	197042	1766692	1776452
Karnataka	15852404	16051532	8354818	7367863	6902042	7054055	6987564	6778234	5959122	6205321	1261944	1276741
Kerala	3681654	3715323	4376315	3545437	6012026	6037979	2402131	2254188	7695590	7763495	1873532	1815527
Kolkata	3901408	3910010	5772238	5220766	4271456	4297562	3178452	3134695	1304676	1323431	1870717	1852052
Madhya Pradesh	10076720	10142646	12919142	12568579	4248401	4250418	4886653	4596615	14499964	14462388	999014	944788
Maharashtra	10320201	10519476	11341905	9042799	13265420	13407440	8168829	7492822	15425757	15489340	1079177	1117905
Mumbai	3766361	3791493	8850031	7295221	5891077	5911143	4210266	4154377	2947341	2992039	1354795	1368753
North East	2504849	2548340	994562	1008490	1003492	1024682	79068	79815	232322	244458	2453678	2498487
Orissa	6605276	6664205	4824842	3804370	2703151	2756162	2517265	2323939	1052624	1009139	2782969	2735164
Punjab	6988686	7007459	4178159	3311384	4574450	4634992	2810416	2694576	5645347	5663077	996674	1016146
Rajasthan	14761190	14856648	7532516	6468206	9246683	9306718	3741059	3870992	4469297	4520544	2192300	2375458
Tamil Nadu (incl. Chennai)	13686162	13805506	8890969	7725392	12563317	12567840	5113005	5256849	2231538	2316696	22358680	22280055
U.P.(E)	15254217	15286876	12745442	10929406	15400233	15451518	4617295	4559404	7925598	7842707	3029969	3116296
U.P.(W)	6735887	6746190	10396972	7959305	9826547	9883841	4657745	4633714	10631230	10606567	2200315	2123860
West Bengal	9265276	9275807	8107947	7527264	12005875	12139741	2937096	2810381	2253211	2294037	2916474	2935211
Total	187302230	188806793	154600726	134111811	153708447	154910488	80226789	77814843	117164342	117620254	64876804	65158527
Net Addition		1504563		-20488915		1202041		-2411946		455912		281723

Wireless Subscriber Base

Annexure-I

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Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12
Andhra Pradesh	9136025	9149173	0	0	4056918	3636115	682434	682382	0	0	9876	9876
Assam	1271079	1266296	0	0	521	531	1247	1261	0	0	0	0
Bihar	6031428	6047034	0	0	4852738	4900390	1688266	1690465	0	0	18867	18865
Delhi	0	0	2819000	2667239	0	0	1194507	1204172	0	0	0	0
Gujarat	4197708	4166989	0	0	4059900	4062922	198096	209656	0	0	1157060	1071770
Haryana	3033384	3069388	0	0	649	626	234403	236429	0	0	1007896	949998
Himachal Pradesh	1481677	1502823	0	0	166	158	76	76	0	0	77037	77022
J & K	1112313	1132709	0	0	302	306	22	22	0	0	0	0
Karnataka	6997522	6996259	0	0	2203556	2241479	2322809	2331913	0	0	8365	8365
Kerala	7308870	7353013	0	0	738427	502430	623707	625309	0	0	148370	148182
Kolkata	2412108	2406698	0	0	1981179	2092324	883569	885025	0	0	4096	4096
Madhya Pradesh	4841827	4902549	0	0	1320	1311	2704	2799	0	0	1064985	1040209
Maharashtra	6099711	6254799	0	0	5134325	5130228	724899	717083	0	0	8820	8820
Mumbai	0	0	2750722	2747511	1554571	1660832	571841	582905	3150650	2995710	746786	751389
North East	1673423	1698369	0	0	89	93	176	178	0	0	0	0
Orissa	4462244	4464753	0	0	1588820	1286561	734	771	0	0	10673	10673
Punjab	4350347	4403238	0	0	1210	1038	1016	1060	0	0	0	0
Rajasthan	5706170	5754823	0	0	1079	1074	2578112	2637653	0	0	8392	8368
Tamil Nadu (incl. Chennai)	9555128	9488276	0	0	2221039	2122788	1643605	1620798	0	0	1269726	1015134
U.P.(E)	10056118	10121185	0	0	7774581	7569348	611580	642899	0	0	14876	14873
U.P.(W)	4920087	4932307	0	0	5242602	5082495	637976	666162	0	0	6067	6066
West Bengal	3630108	3638148	0	0	4163771	4203665	1948057	1973861	0	0	17194	17191
Total	98277277	98748829	5569722	5414750	45577763	44496714	16549836	16712879	3150650	2995710	5579086	5160897
Net Addition		471552		-154972		-1081049		163043		-154940		-418189

Wireless Subscriber Base

Annexure-I

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Circle	Group						Total		Net Add.
	S-Tel		Quadrant (HFCL)		Etisalat		Jun-12	Jul-12	
	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	
Andhra Pradesh	0	0	0	0	0	0	67469660	67049036	-420624
Assam	0	0	0	0	0	0	14896690	15088789	192099
Bihar	0	0	0	0	0	0	62764275	61892303	-871972
Delhi	0	0	0	0	0	0	42805840	41972727	-833113
Gujarat	0	0	0	0	0	0	54500127	53273603	-1226524
Haryana	0	0	0	0	0	0	23096077	21394392	-1701685
Himachal Pradesh	0	0	0	0	0	0	7446534	7096660	-349874
J & K	0	0	0	0	0	0	6672712	6759532	86820
Karnataka	0	0	0	0	0	0	56850146	56311762	-538384
Kerala	0	0	0	0	0	0	34860622	33760883	-1099739
Kolkata	0	0	0	0	0	0	25579899	25126659	-453240
Madhya Pradesh	0	0	0	0	0	0	53540730	52912302	-628428
Maharashtra	0	0	0	0	0	0	71569044	69180712	-2388332
Mumbai	0	0	0	0	0	0	35794441	34251373	-1543068
North East	0	0	0	0	0	0	8941659	9102912	161253
Orissa	0	0	0	0	0	0	26548598	25055737	-1492861
Punjab	0	0	1510534	1533617	0	0	31056839	30266587	-790252
Rajasthan	0	0	0	0	0	0	50236798	49800484	-436314
Tamil Nadu (incl. Chennai)	0	0	0	0	0	0	79533169	78199334	-1333835
U.P.(E)	0	0	0	0	0	0	77429909	75534512	-1895397
U.P.(W)	0	0	0	0	0	0	55255428	52640507	-2614921
West Bengal	0	0	0	0	0	0	47245009	46815306	-429703
Total	0	0	1510534	1533617	0	0	934094206	913486112	-20608094
Net Addition		0		23083		0		-20608094	

Proportion of VLR on the date of Peak VLR in the month of July, 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	67.86	92.31	69.96	0.00		92.45			67.27		55.84	67.38	61.98	0.22	76.08	79.23
Assam	78.40	93.94	63.75			84.51			64.82		86.84	70.67			88.59	80.07
Bihar	45.55	95.05	33.63	0.00		93.85			85.28		35.57	55.45	52.80	0.84	95.43	75.60
Delhi	58.57	81.37		0.00		89.11		45.93	81.17		29.30	54.95			91.08	76.51
Gujarat	67.03	88.12	58.41	0.00		91.79			76.63		41.87	63.81	55.85	50.89	89.55	79.83
Haryana	42.61	88.70	49.61			89.10			72.35			63.58		43.67	90.96	74.16
Himachal Pradesh	58.29	95.81	71.29			100.71			78.68		168.42	50.94		6.36	101.26	80.76
J & K	85.03	96.00	66.98			88.97			68.68			71.37			81.63	83.72
Karnataka	48.20	94.37	52.30	0.00		89.02			72.22		56.96	67.34	49.80	0.16	82.12	76.87
Kerala	56.45	86.94	65.49	0.00		94.54			63.99		48.33	62.45	45.74	4.25	85.67	75.20
Kolkata	55.34	85.50	34.52			77.22			73.08		52.03	71.55	41.56		88.87	69.36
Madhya Pradesh	49.29	90.07	52.36	0.00		100.76			76.40		40.19	70.07		50.63	74.79	81.78
Maharashtra	54.85	82.50	69.81	0.00		96.73			77.37		53.06	71.66	64.02	0.90	91.53	82.31
Mumbai	53.44	87.89		0.00		82.81	46.53	33.33	86.47		23.83	55.52	47.26	41.14	87.77	69.74
North East	67.30	91.31	54.03			82.77			69.57			72.15			82.59	73.98
Orissa	51.15	93.88	56.68			67.80			74.51		72.11	60.21	64.46	0.16	85.60	73.01
Punjab	53.49	90.68	53.30	0.00	48.24	93.28			76.53		33.49	65.74			88.38	78.20
Rajasthan	84.59	90.49	48.66	0.00		102.02			77.81		42.57	54.75		2.04	91.46	79.63
Tamil Nadu	53.74	94.05	48.13	0.00		67.29			69.36		50.64	55.48	46.83	43.65	90.85	67.82
U.P.(E)	66.67	92.23	42.82	0.00		94.63			77.45		33.92	55.96	64.06	0.73	92.13	77.12
U.P.(W)	62.10	80.48	45.21	0.00		91.25			73.15		36.59	55.37	54.83	0.74	92.23	74.45
West Bengal	61.03	88.10	47.18			78.60			80.89		58.03	42.55	52.16	0.59	90.91	75.06
Total	58.55	90.46	53.38	0.00	48.24	92.80	46.53	39.54	76.01	0.00	45.76	61.67	56.30	43.62	89.16	76.42

* 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	
Group																				
Circle	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total		Net Add.	
	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12	Jun-12	Jul-12		
Andhra Pradesh	1922974	1915892	0	0	125433	125458	89099	88702	174947	174128	0	0	0	0	3090	3270	2315543	2307450	-8093	
Assam	199830	198663	0	0	0	0	0	0	2665	2665	0	0	0	0	0	0	202495	201328	-1167	
Bihar	544975	545180	0	0	0	0	4905	4731	10909	10996	0	0	0	0	0	0	560789	560907	118	
Delhi	0	0	1570461	1573147	1079748	1079992	183822	183841	81863	83731	0	0	0	0	5970	6030	2921864	2926741	4877	
Gujarat	1580732	1572810	0	0	55292	55303	107459	106201	65515	65784	0	0	0	0	120	120	1809118	1800218	-8900	
Haryana	532725	529520	0	0	23903	23906	5034	5080	22679	22842	0	0	0	0	0	0	584341	581348	-2992	
Himachal Pradesh	296623	294808	0	0	0	0	4462	4462	2063	2148	0	0	0	0	0	0	303148	301418	-1730	
J & K	202242	202272	0	0	0	0	0	0	340	350	0	0	0	0	0	0	202582	202622	40	
Karnataka	1731473	1736651	0	0	490790	490893	111119	110796	128486	129238	0	0	0	0	2280	2340	2464148	2469918	5769	
Kerala	3041951	3032978	0	0	55809	55819	56490	55792	12412	12379	0	0	0	0	0	0	3166662	3156968	-9694	
Kolkata	955497	950510	0	0	93708	93729	80966	80463	32427	32716	0	0	0	0	900	1020	1163498	1158438	-5060	
Madhya Pradesh	838846	837332	0	0	241314	241364	33044	31675	12965	13424	0	0	0	0	30	30	1126199	1123825	-2374	
Maharashtra	2215255	2199355	0	0	70178	70192	102638	102053	238307	240420	0	0	0	0	390	420	2626768	2612440	-14327	
Mumbai	0	0	1883732	1880966	331100	331166	232221	232726	549117	545184	0	0	0	0	6000	6090	3002170	2996132	-6038	
North East	251540	250704	0	0	0	0	0	0	236	237	0	0	0	0	0	0	251776	250941	-835	
Orissa	384847	384698	0	0	0	0	4154	3492	7341	7417	0	0	0	0	90	90	396432	395697	-735	
Punjab	1082578	1075986	0	0	105733	105753	29585	28309	15841	15891	196470	193716	0	0	90	120	1430297	1419775	-10522	
Rajasthan	1014092	1005370	0	0	39291	39299	26291	25936	6018	6209	0	0	48507	49359	180	180	1134379	1126353	-8027	
Tamil Nadu (incl. Chennai)	2465420	2463237	0	0	484941	485039	148672	147888	66375	68792	0	0	0	0	810	1020	3166218	3165976	-242	
U.P.(E)	1084024	1058321	0	0	50451	50462	41054	39879	13833	13545	0	0	0	0	0	180	1189362	1162387	-26975	
U.P.(W)	751193	749042	0	0	24266	24271	5256	5317	8048	8027	0	0	0	0	0	0	788763	786657	-2106	
West Bengal	613405	612036	0	0	0	0	2188	2055	6088	6085	0	0	0	0	0	0	621681	620176	-1505	
Total	21710222	21615365	3454193	3454113	3271958	3272646	1268459	1259398	1458475	1462208	196470	193716	48507	49359	19950	20910	31428234	31327715	-100519	
Net Addition		-94857		-80		688		-9061		3733		-2754		852		960		-100519		

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.
