

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 9th October 2012

(www.trai.gov.in)

**Highlights on Telecom Subscription Data as on 31st August 2012**

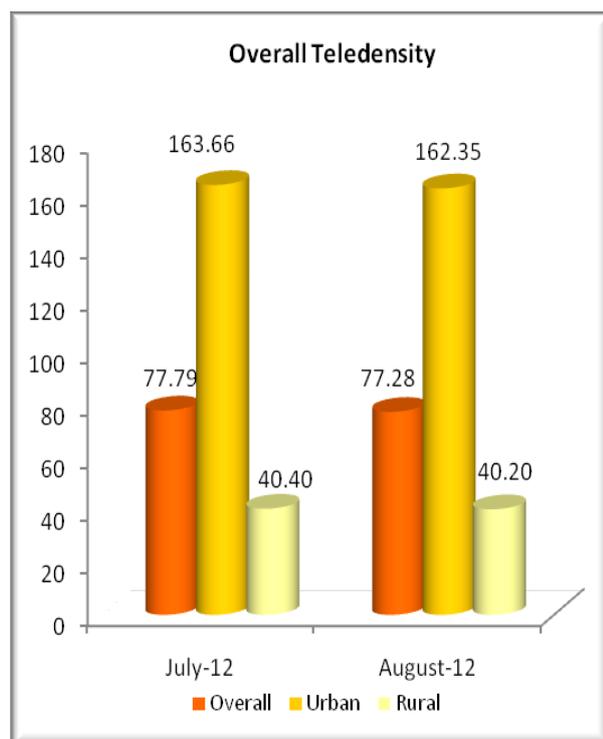
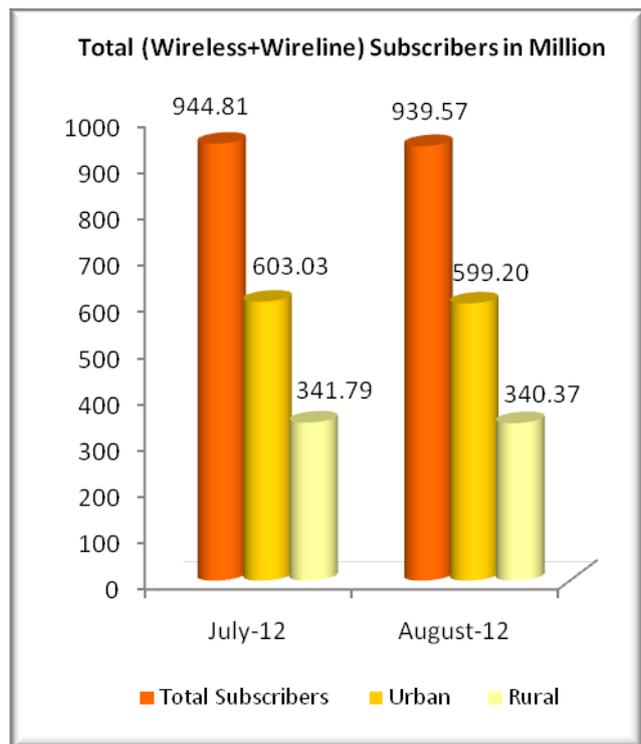
Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Millions)	908.36	31.21	939.57
Total Net Monthly Addition (Millions)	-5.13	-0.12	-5.25
Monthly Growth (%)	-0.56%	-0.38%	-0.56%
Urban Subscribers (Millions)	575.14	24.06	599.20
Urban Subscribers Net Monthly Addition (Millions)	-3.77	-0.06	-3.83
Monthly Growth (%)	-0.65%	-0.26%	-0.64%
Rural Subscribers (Millions)	333.22	7.15	340.37
Rural Subscribers Net Monthly Addition (Millions)	-1.36	-0.06	-1.42
Monthly Growth (%)	-0.41%	-0.77%	-0.41%
Overall Teledensity*	74.71	2.57	77.28
Urban Teledensity*	155.83	6.52	162.35
Rural Teledensity*	39.35	0.84	40.20
Share of Urban Subscribers	63.32%	77.10%	63.77%
Share of Rural Subscribers	36.68%	22.90%	36.23%

- ❖ Mobile Number Portability requests increased from 59.31 million subscribers at the end of July 2012 to 64.92 million at the end of August 2012. In the month of August 2012 alone, 5.61 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in August 2012 are 701.87 Million, 77.27% of the total subscribers.
- ❖ Broadband subscription reached 14.82 million in August 2012 from 14.68 million in July 2012.

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

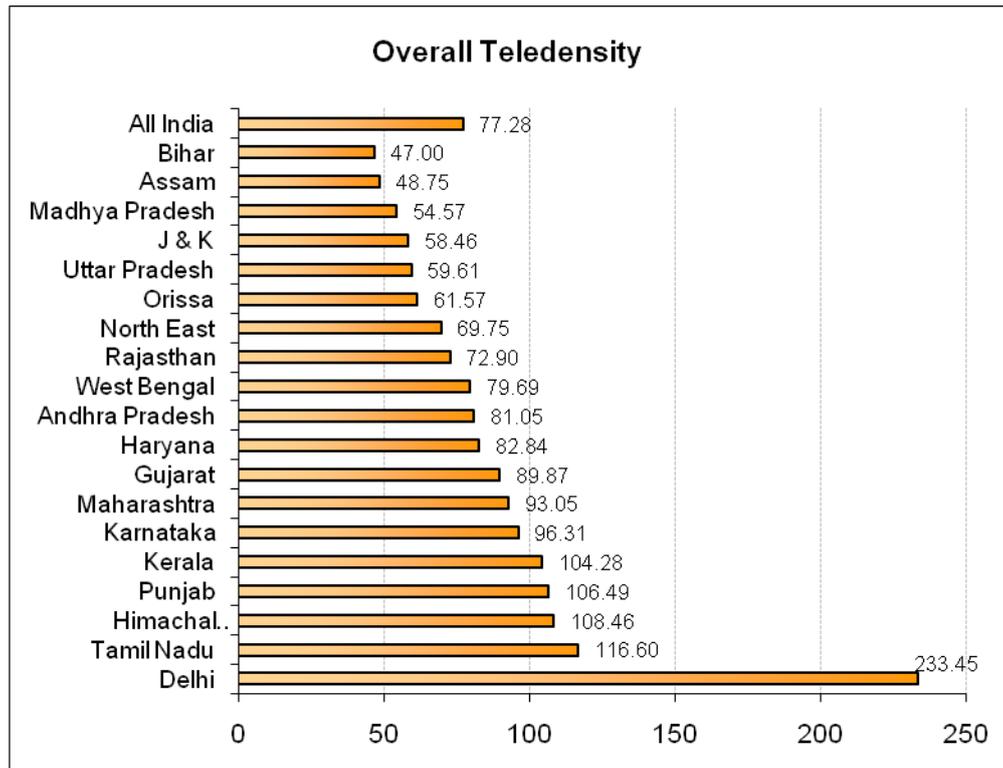
I. Total Telephone Subscribers

• The number of telephone subscribers in India decreased to 939.57 million at the end of August, 2012 from 944.81 million at the end of July 2012, thereby registering a monthly growth rate of -0.56%. The share of urban subscribers has declined to 63.77% from 63.83% whereas share of rural subscribers has increased to 36.23% in the month of August 2012. With this, the overall Teledensity in India reached 77.28 at the end of August, 2012 from 77.79 of the previous month.



• Subscription in urban areas decreased from 603.03 million in July, 2012 to 599.20 million at the end of August, 2012. Subscription in rural areas decreased from 341.79 million to 340.37 million during the same period. The monthly growth rate of urban and rural subscription is -0.64% and -0.41% respectively. The overall urban Teledensity has decreased from 163.66 to 162.35 and Rural Teledensity decreased from 40.40 to 40.20.

Overall Teledensity (Circle Wise)

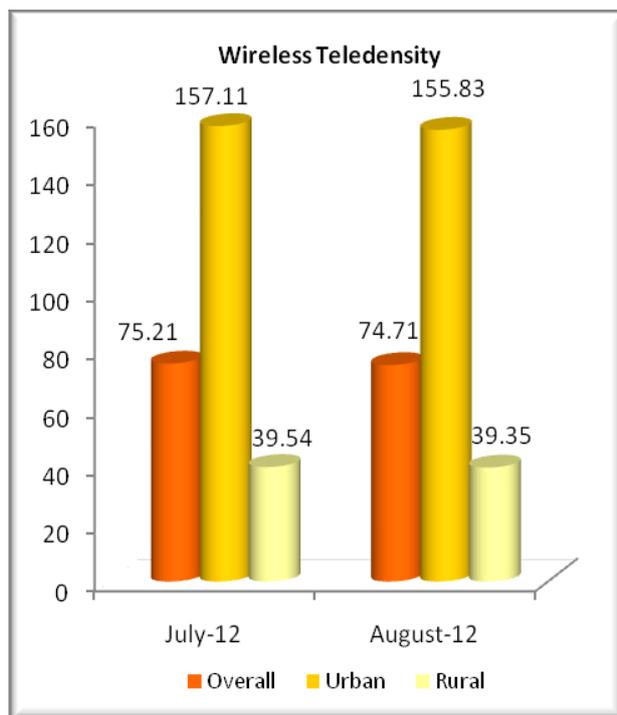
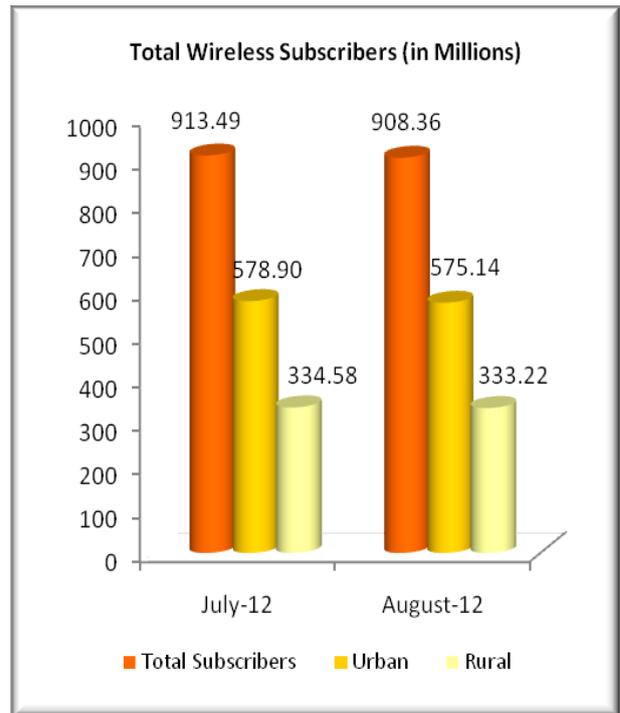


Notes:

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)

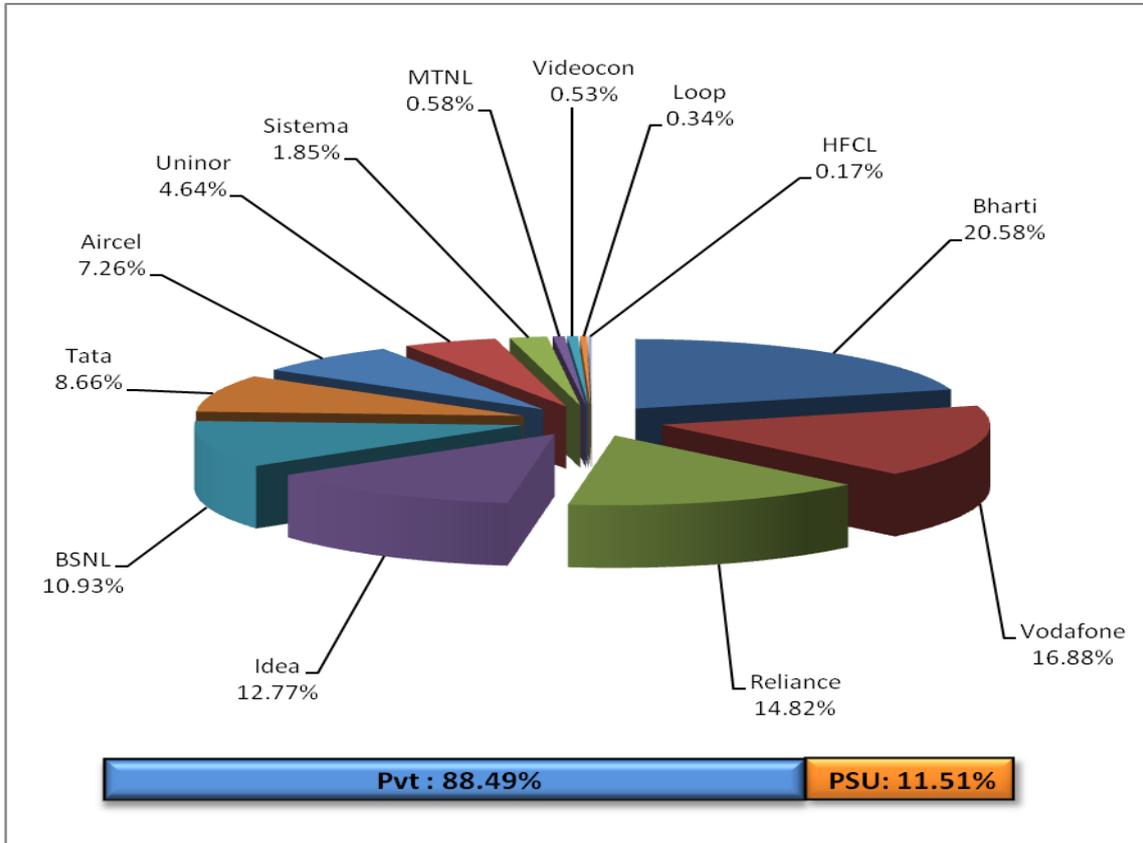
- Total wireless subscriber base decreased from 913.49 million in July 2012 to 908.36 million at the end of August 2012, registering a monthly growth of -0.56%. This decline is due to large scale disconnections by some of the service providers. The share of urban wireless subscribers has decreased from 63.37 % to 63.32% where as share of rural wireless subscribers has increased from 36.63% to 36.68%. The overall wireless Teledensity in India reached 74.71.



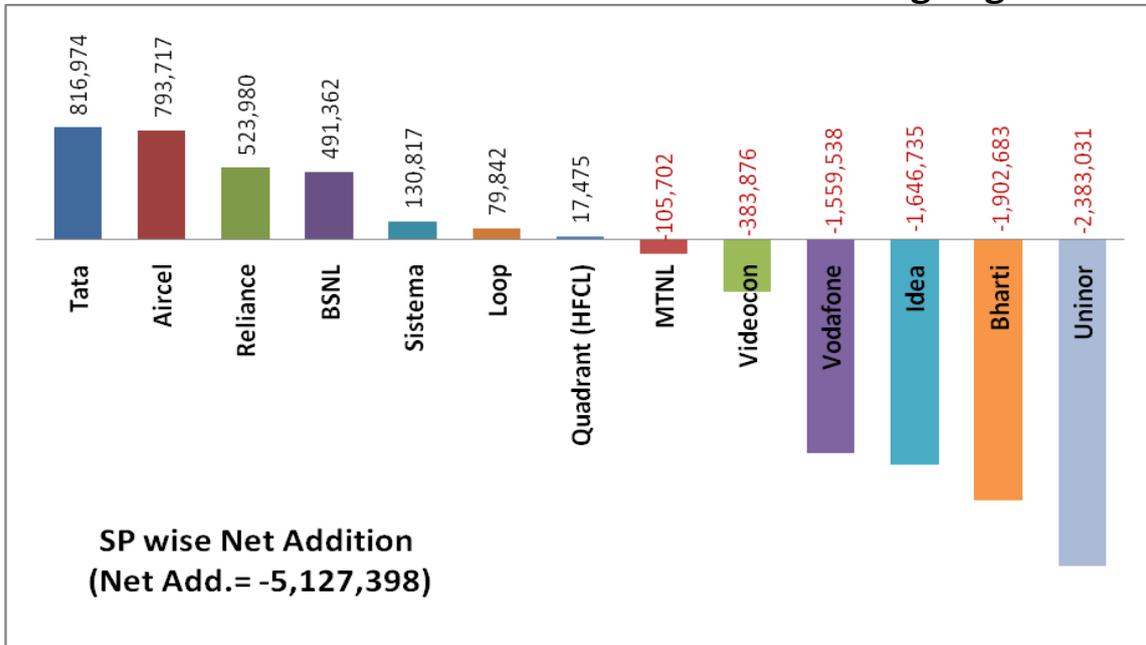
- Wireless subscription in urban areas decreased from 578.90 million in July 2012 to 575.14 million at the end of August 2012. The wireless subscription in rural areas decreased from 334.58 million to 333.22 million during the same period. The urban wireless Teledensity has decreased from 157.11 to 155.83 and rural Teledensity has decreased from 39.54 to 39.35. Detailed statistics is at Annexure I.

- Private operators hold 88.49% of the wireless market share (based on subscriber base) where as BSNL and MTNL, the two PSU operators hold only 11.51% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of August, 2012 are given below:

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



B. Service Provider wise net subscriber addition during August 2012

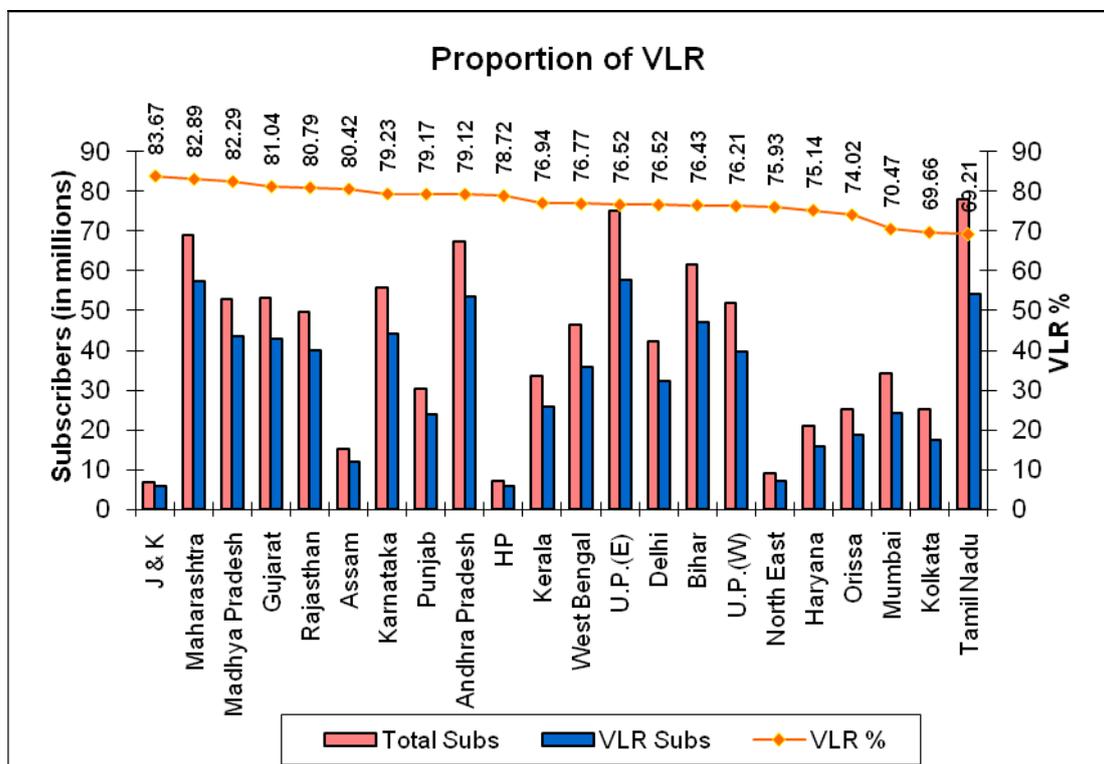


III. VLR Data

Out of the total 908.36 million wireless subscribers, 701.87* million were active on the date of Peak VLR for the month of August 2012. The proportion of VLR subscribers is approximately 77.27% of the total wireless subscriber base reported by the service providers.

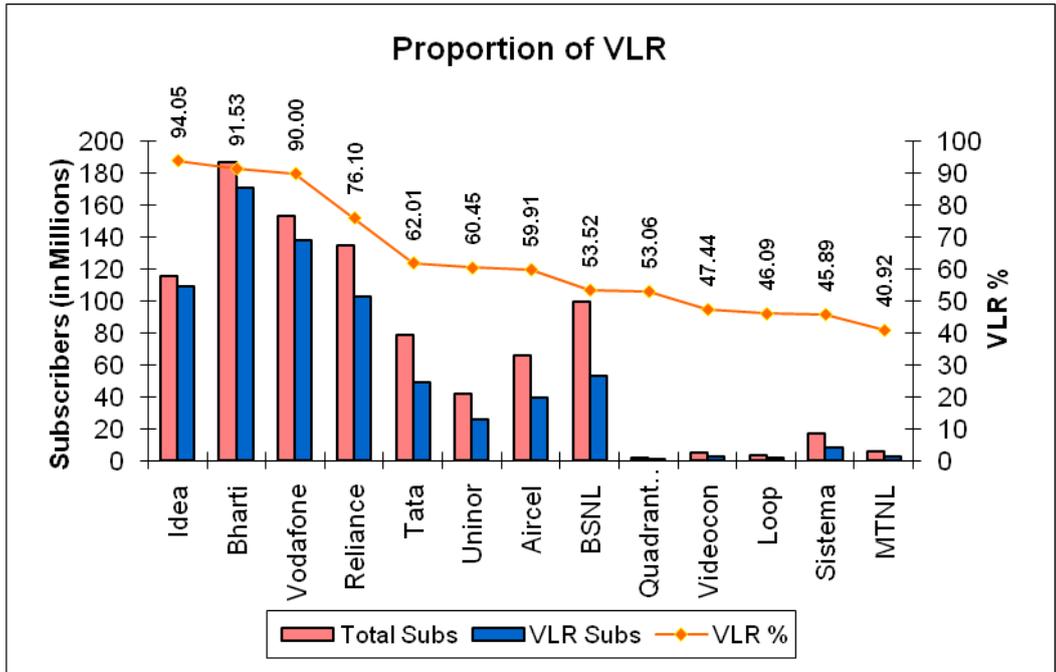
Circle-wise, J&K has the highest proportion of VLR subscribers with 83.67% followed by Maharashtra (82.89%) and Madhya Pradesh (82.29%); Tamil Nadu has the lowest proportion with 69.21%. Service Provider wise, Idea leads the tally with 94.05% followed by Bharti (91.53%). The detailed statistics of proportionate 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 M/s BSNL as the service provider has not provided the VLR figures of their total CDMA subscriber base of 3.19 million.

Proportion of VLR subscribers (Service Provider wise)



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



IV. Mobile Number Portability

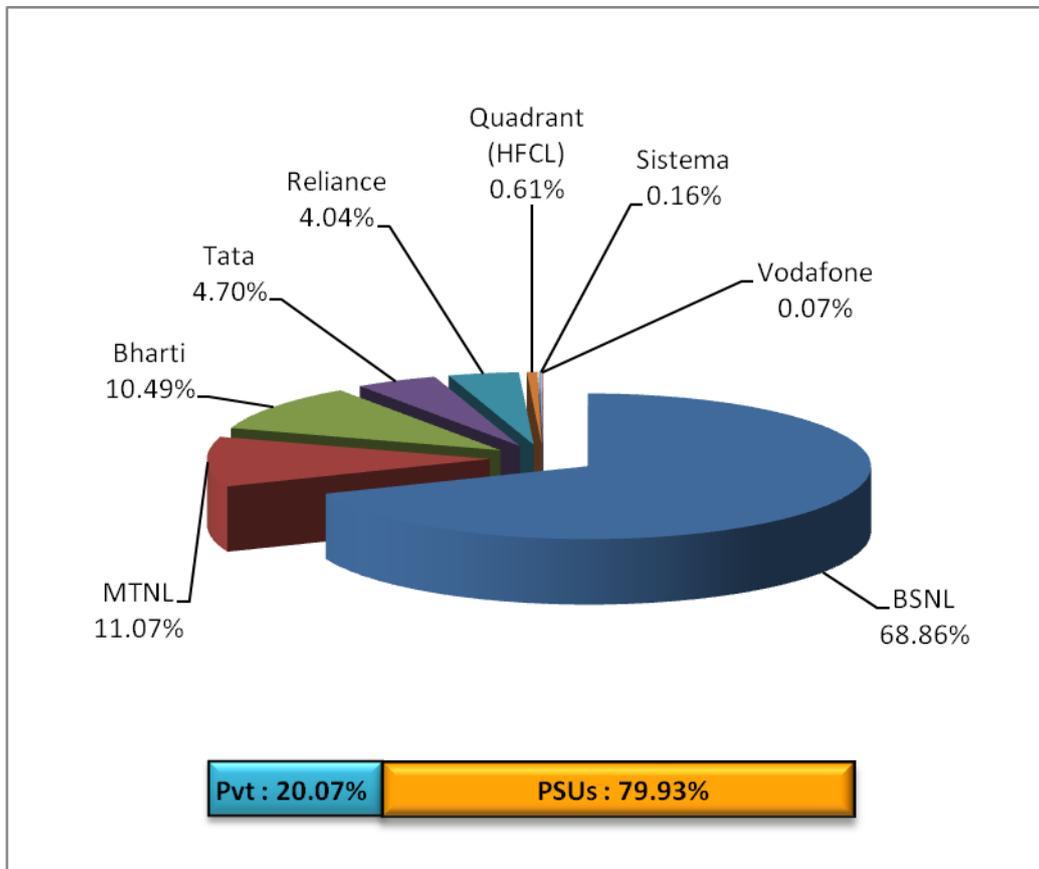
As per the data reported by the service providers, by the end of August 2012 about 64.92 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (6.17 million) followed by Gujarat (5.66 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (8.12 million) followed by Andhra Pradesh Service area (6.15 million). In the month of August 2012, total number of subscribers who have submitted their request for MNP is 5.61 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of August 2012			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	2249537	Andhra Pradesh	6151921
Gujarat	5656057	Assam	240247
Himachal Pradesh	271132	Bihar	1291680
Haryana	2463535	Karnataka	8123024
Jammu & Kashmir	9383	Kerala	2831632
Maharashtra	5464741	Kolkata	1218158
Mumbai	2250119	Madhya Pradesh	3741412
Punjab	2190885	North East	104075
Rajasthan	6168205	Orissa	1553563
Uttar Pradesh - East	3747148	Tamil Nadu	3831935
Uttar Pradesh - West	3627703	West Bengal	1729236
Total	34,098,445	Total	30,816,883
Total (Zone-1 + Zone-2)			64,915,328
Net Addition (in August 2012)			5,605,487

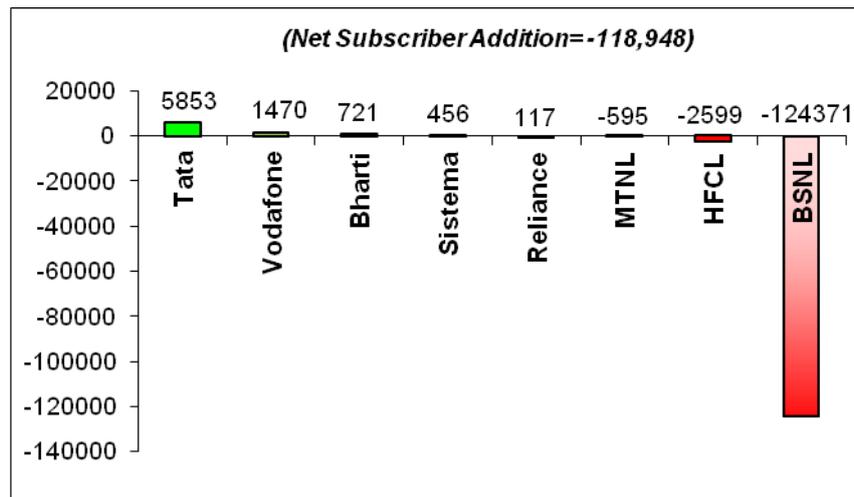
v. Wireline Segment

Wireline subscriber base declined from 31.33 million at the end of July 2012 to 31.21 Million at the end of August 2012. Net reduction in wireline subscriber base was 0.12 million. The share of urban subscribers has increased from 77.01% to 77.10% where as share of rural subscribers has declined from 22.99% to 22.90%. The overall wireline Teledensity has marginally decreased from 2.58 in July 2012 to 2.57 in August 2012, with urban and rural Teledensity being 6.52 and 0.84 respectively. BSNL and MTNL, the two PSU operators hold 79.93% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service providers as on 31st August 2012 is given below:

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



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



VI. Category wise Growth

- As can be seen from the following tables, while the Circles in Category B show the highest reduction and highest rate of decline in the wireless sector from July 2012 to August 2012. In wireline segment also, 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 August, 2012		Subscriber Base as on 31 st August, 2012	
	Wireline	Wireless	Wireline	Wireless
Circle A	-47560	-1418506	12308442	322595941
Circle B	-69229	-3097484	9908260	360027489
Circle C	-2429	-576620	1910484	124419313
Metro	269	-34788	7081581	101315971
All India	-118,948	-5,127,398	31,208,767	908,358,714

Category-wise Growth Rate in Access Service

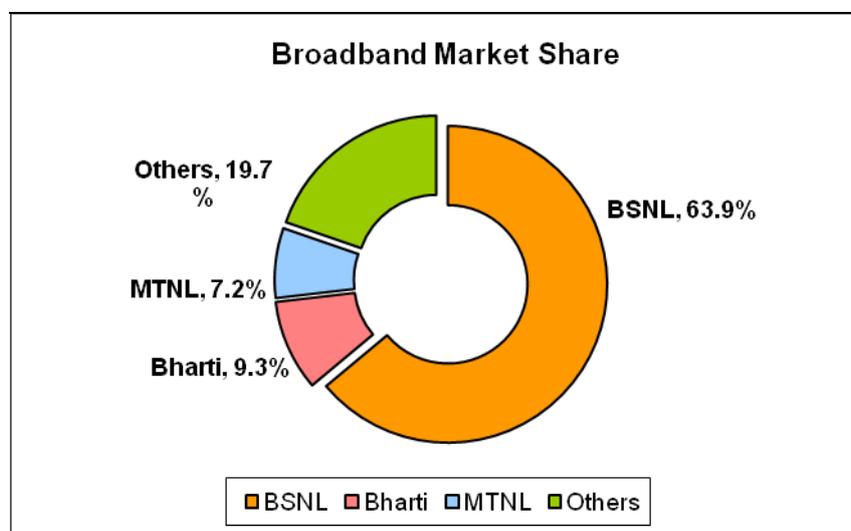
Category	Monthly Rate of Growth (July-2012 to Aug-2012)		Yearly rate of growth (August-2011 to August-2012)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.38%	-0.44%	-6.20%	5.33%
Circle B	-0.69%	-0.85%	-9.11%	5.73%
Circle C	-0.13%	-0.46%	-32.27%	6.05%
Metro	0.004%	-0.03%	-1.96%	-0.29%
All India	-0.38%	-0.56%	-8.39%	4.93%

- 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 14.68 million at the end of July 2012 to 14.82 million at the end of August 2012, there by showing a monthly growth of 1.37%. Yearly growth in broadband subscribers is 16.78% during the last one year (September 2011 to August 2012).

As on 31st August 2012, there are 149 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of this only 115 ISPs have provided data for the month of August 2012, for the rest of the ISPs data from previous month has been retained (Data from top 10 ISPs, which constitute 93.57% of the total subscriber base, have been received for the month of August 2012). Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.47 million), Bharti Airtel (1.37 million), MTNL (1.06 million), You Broadband (0.68 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	
	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12
Andhra Pradesh	19018895	18882255	7856367	7963926	6343502	6182992	7677069	7903061	10767832	10670306	1907825	1964589
Assam	3911113	3876246	3145517	3195807	2397545	2363905	131037	128370	363382	363369	3872107	3780076
Bihar	18425727	18198794	8510660	8629126	6645133	6588425	4551900	4427327	5943661	5645833	5158468	5286866
Delhi	9053676	9083195	8340429	8507504	8978451	8872999	4052035	4059362	4899511	4828906	2777214	2887603
Gujarat	7394384	7258811	7613380	7606225	16049103	16074103	3549073	3510438	8358540	8206969	797786	777433
Haryana	2526769	2388657	2739042	2714700	4553532	4495910	2810670	2822209	3861911	3688890	646027	641033
Himachal Pradesh	1925629	1909948	1540448	1627390	497808	488075	291355	277726	495136	482212	766205	783954
J & K	2229089	2250447	591486	603587	721323	708358	111103	111843	197042	198480	1776452	1754127
Karnataka	16051532	16058635	7367863	7325988	7054055	6926656	6778234	7195147	6205321	6119350	1276741	1422729
Kerala	3715323	3530394	3545437	3508386	6037979	6003174	2254188	2301366	7763495	7731037	1815527	1708665
Kolkata	3910010	3784138	5220766	5247781	4297562	4301269	3134695	3057881	1323431	1387347	1852052	1854105
Madhya Pradesh	10142646	10032361	12568579	12566485	4250418	4280400	4596615	4545716	14462388	14431948	944788	964836
Maharashtra	10519476	10192569	9042799	9156490	13407440	13301998	7492822	7270424	15489340	15337967	1117905	1172751
Mumbai	3791493	3618749	7295221	7292959	5911143	5977143	4154377	4161142	2992039	2983600	1368753	1379552
North East	2548340	2506020	1008490	1053592	1024682	986872	79815	79169	244458	245926	2498487	2507798
Orissa	6664205	6620437	3804370	4120965	2756162	2731175	2323939	2448596	1009139	991014	2735164	2788491
Punjab	7007459	6883578	3311384	3322879	4634992	4584423	2694576	2751991	5663077	5571990	1016146	1094327
Rajasthan	14856648	14749272	6468206	6471861	9306718	9135758	3870992	3729333	4520544	4517819	2375458	2501285
Tamil Nadu (incl. Chennai)	13805506	13776180	7725392	7883846	12567840	12476685	5256849	5875899	2316696	2316260	22280055	22310783
U.P.(E)	15286876	15233908	10929406	10920246	15451518	15263993	4559404	4598725	7842707	7474273	3116296	3251601
U.P.(W)	6746190	6749356	7959305	7807829	9883841	9595618	4633714	4658794	10606567	10363169	2123860	2131207
West Bengal	9275807	9320160	7527264	7108219	12139741	12011019	2810381	2717298	2294037	2416854	2935211	2988433
Total	188806793	186904110	134111811	134635791	154910488	153350950	77814843	78631817	117620254	115973519	65158527	65952244
Net Addition		-1902683		523980		-1559538		816974		-1646735		793717

Wireless Subscriber Base

Annexure-I

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Group

Circle	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12
Andhra Pradesh	9149173	9138478	0	0	3636115	3896912	682382	679733	0	0	9876	9876
Assam	1266296	1267502	0	0	531	592	1261	1276	0	0	0	0
Bihar	6047034	6060763	0	0	4900390	4852878	1690465	1666572	0	0	18865	18730
Delhi	0	0	2667239	2563281	0	0	1204172	1219757	0	0	0	0
Gujarat	4166989	4205726	0	0	4062922	4068995	209656	217887	0	0	1071770	969729
Haryana	3069388	3073450	0	0	626	497	236429	234250	0	0	949998	947503
Himachal Pradesh	1502823	1523689	0	0	158	154	76	78	0	0	77022	76892
J & K	1132709	1148693	0	0	306	325	22	22	0	0	0	0
Karnataka	6996259	7021922	0	0	2241479	1171684	2331913	2382452	0	0	8365	8364
Kerala	7353013	7420370	0	0	502430	436815	625309	651292	0	0	148182	49788
Kolkata	2406698	2379110	0	0	2092324	2142840	885025	903504	0	0	4096	4096
Madhya Pradesh	4902549	4925430	0	0	1311	1209	2799	2910	0	0	1040209	964212
Maharashtra	6254799	6405441	0	0	5130228	5283628	717083	721156	0	0	8820	8818
Mumbai	0	0	2747511	2745767	1660832	1758462	582905	579480	2995710	3075552	751389	658887
North East	1698369	1723627	0	0	93	97	178	176	0	0	0	0
Orissa	4464753	4466574	0	0	1286561	838843	771	811	0	0	10673	10673
Punjab	4403238	4424311	0	0	1038	542	1060	1101	0	0	0	0
Rajasthan	5754823	5742403	0	0	1074	1053	2637653	2626339	0	0	8368	8368
Tamil Nadu (incl. Chennai)	9488276	9497506	0	0	2122788	1182886	1620798	1599828	0	0	1015134	1003455
U.P.(E)	10121185	10193105	0	0	7569348	7414320	642899	671684	0	0	14873	14872
U.P.(W)	4932307	4980181	0	0	5082495	4908640	666162	695071	0	0	6066	5567
West Bengal	3638148	3641910	0	0	4203665	4152311	1973861	1988317	0	0	17191	17191
Total	98748829	99240191	5414750	5309048	44496714	42113683	16712879	16843696	2995710	3075552	5160897	4777021
Net Addition		491362		-105702		-2383031		130817		79842		-383876

Wireless Subscriber Base

Annexure-I

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Group									
Circle	S-Tel		Quadrant (HFCL)		Etisalat		Total		Net Add.
	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	
Andhra Pradesh	0	0	0	0	0	0	67049036	67292128	243092
Assam	0	0	0	0	0	0	15088789	14977143	-111646
Bihar	0	0	0	0	0	0	61892303	61375314	-516989
Delhi	0	0	0	0	0	0	41972727	42022607	49880
Gujarat	0	0	0	0	0	0	53273603	52896316	-377287
Haryana	0	0	0	0	0	0	21394392	21007099	-387293
Himachal Pradesh	0	0	0	0	0	0	7096660	7170118	73458
J & K	0	0	0	0	0	0	6759532	6775882	16350
Karnataka	0	0	0	0	0	0	56311762	55632927	-678835
Kerala	0	0	0	0	0	0	33760883	33341287	-419596
Kolkata	0	0	0	0	0	0	25126659	25062071	-64588
Madhya Pradesh	0	0	0	0	0	0	52912302	52715507	-196795
Maharashtra	0	0	0	0	0	0	69180712	68851242	-329470
Mumbai	0	0	0	0	0	0	34251373	34231293	-20080
North East	0	0	0	0	0	0	9102912	9103277	365
Orissa	0	0	0	0	0	0	25055737	25017579	-38158
Punjab	0	0	1533617	1551092	0	0	30266587	30186234	-80353
Rajasthan	0	0	0	0	0	0	49800484	49483491	-316993
Tamil Nadu (incl. Chennai)	0	0	0	0	0	0	78199334	77923328	-276006
U.P.(E)	0	0	0	0	0	0	75534512	75036727	-497785
U.P.(W)	0	0	0	0	0	0	52640507	51895432	-745075
West Bengal	0	0	0	0	0	0	46815306	46361712	-453594
Total	0	0	1533617	1551092	0	0	913486112	908358714	-5127398
Net Addition		0		17475		0		-5127398	

Proportion of VLR on the date of Peak VLR in the month of Aug, 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	66.64	92.62	71.19	0.00		93.61			65.63		56.32	66.71	57.11	0.16	78.33	79.12
Assam	80.02	95.20	65.05			88.65			63.75		81.74	70.66			86.89	80.42
Bihar	51.68	95.97	33.53	0.00		95.85			84.09		35.65	54.38	55.56	1.04	95.85	76.43
Delhi	59.12	81.26		0.00		90.56		48.19	78.79		30.69	54.53			92.04	76.52
Gujarat	69.77	89.34	56.50	0.00		92.68			80.73		42.21	64.36	58.03	57.07	89.90	81.04
Haryana	45.10	90.76	49.33			92.30			70.77			65.29		45.91	92.22	75.14
Himachal Pradesh	57.35	94.83	70.52			98.00			73.45		142.31	52.45		5.43	100.64	78.72
J & K	86.99	96.00	65.61			88.78			65.87			68.44			81.72	83.67
Karnataka	44.05	95.57	52.78	0.00		91.37			74.49		55.80	67.75	88.66	0.23	83.99	79.23
Kerala	60.82	92.45	65.78	0.00		96.52			61.47		46.06	62.76	49.34	10.74	88.22	76.94
Kolkata	56.05	87.76	33.97			74.05			73.02		50.86	74.00	41.27		88.88	69.66
Madhya Pradesh	44.46	90.14	52.84	0.00		101.53			77.62		39.76	69.73		54.11	74.88	82.29
Maharashtra	55.27	84.27	69.95	0.00		97.71			75.87		53.49	72.97	64.85	0.82	92.47	82.89
Mumbai	54.93	91.27		0.00		85.50	46.09	34.14	85.94		24.53	56.26	47.49	46.83	88.06	70.47
North East	73.61	94.33	53.62			82.78			63.73			72.70			85.59	75.93
Orissa	50.69	94.24	56.79			70.52			70.40		63.87	62.79	94.87	0.07	87.73	74.02
Punjab	52.51	93.41	53.66	0.00	53.06	92.40			79.02		28.97	66.63			89.15	79.17
Rajasthan	84.52	91.12	48.76	0.00		103.57			78.78		43.48	56.97		1.60	93.89	80.79
Tamil Nadu	54.74	94.51	49.14	0.00		68.72			71.51		50.67	53.97	78.33	43.58	91.81	69.21
U.P.(E)	66.77	92.18	42.44	0.00		94.39			76.74		32.65	54.99	66.07	0.64	90.37	76.52
U.P.(W)	64.39	83.34	44.37	0.00		94.09			74.23		35.29	55.71	59.16	0.47	94.33	76.21
West Bengal	60.56	89.99	46.97			79.53			85.22		59.73	44.33	54.16	0.32	92.13	76.77
Total	59.91	91.53	53.52	0.00	53.06	94.05	46.09	40.92	76.10	0.00	45.89	62.01	60.45	47.44	90.00	77.27

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

Wireline Subscriber Base																		Annexure-III		
Circle	Group																			
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total		Net Add	
	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12	Jul-12	Aug-12		
Andhra Pradesh	1915892	1911202	0		125458	125485	88702	88848	174128	171490	0	0	0	0	3270	3840	2307450	2300865	-6585	
Assam	198663	197763	0		0	0	0	0	2665	2701	0	0	0	0	0	0	201328	200464	-864	
Bihar	545180	545376	0		0	0	4731	4736	10996	11219	0	0	0	0	0	0	560907	561331	424	
Delhi	0	0	1573147	1576025	1079992	1080247	183841	184327	83731	84291	0	0	0	0	6030	6390	2926741	2931280	4539	
Gujarat	1572810	1563015	0		55303	55315	106201	104956	65784	65525	0	0	0	0	120	120	1800218	1788931	-11287	
Haryana	529520	527316	0		23906	23910	5080	4979	22842	24356	0	0	0	0	0	0	581348	580561	-787	
Himachal Pradesh	294808	292949	0		0	0	4462	4462	2148	2178	0	0	0	0	0	0	301418	299589	-1829	
J & K	202272	202160	0		0	0	0	0	350	351	0	0	0	0	0	0	202622	202511	-111	
Karnataka	1736651	1728820	0		490893	491001	110796	111183	129238	131704	0	0	0	0	2340	2460	2469918	2465168	-4750	
Kerala	3032978	3026353	0		55819	55830	55792	56030	12379	12431	0	0	0	0	0	0	3156968	3150644	-6324	
Kolkata	950510	947962	0		93729	93751	80463	80607	32716	34334	0	0	0	0	1020	1020	1158438	1157674	-764	
Madhya Pradesh	837332	836062	0		241364	241416	31675	30463	13424	13648	0	0	0	0	30	30	1123825	1121619	-2206	
Maharashtra	2199355	2174465	0		70192	70208	102053	102357	240420	241365	0	0	0	0	420	420	2612440	2588815	-23625	
Mumbai	0	0	1880966	1877493	331166	331235	232726	233277	545184	544412	0	0	0	0	6090	6210	2996132	2992627	-3505	
North East	250704	250179	0		0	0	0	0	237	237	0	0	0	0	0	0	250941	250416	-525	
Orissa	384698	385037	0		0	0	3492	3486	7417	7560	0	0	0	0	90	90	395697	396173	476	
Punjab	1075986	1072478	0		105753	105774	28309	28168	15891	15952	193716	191117	0	0	120	240	1419775	1413729	-6046	
Rajasthan	1005370	997064	0		39299	39307	25936	26036	6209	6496	0	0	49359	49815	180	180	1126353	1118898	-7455	
Tamil Nadu (incl. Chennai)	2463237	2460148	0		485039	485140	147888	148227	68792	70038	0	0	0	0	1020	1110	3165976	3164663	-1313	
U.P.(E)	1058321	1017721	0		50462	50473	39879	39946	13545	13566	0	0	0	0	180	270	1162387	1121976	-40411	
U.P.(W)	749042	747432	0		24271	24275	5317	5352	8027	8003	0	0	0	0	0	0	786657	785062	-1595	
West Bengal	612036	607492	0		0	0	2055	2075	6085	6204	0	0	0	0	0	0	620176	615771	-4405	
Total	21615365	21490994	3454113	3453518	3272646	3273367	1259398	1259515	1462208	1468061	193716	191117	49359	49815	20910	22380	31327715	31208767	-118948	
Net Addition		-124371		-595		721		117		5853		-2599		456		1470		-118948		

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.
