TELECOM REGULATORY AUTHORITY OF INDIA
New Delhi, 7th November 2012
(www.trai.gov.in)

Highlights on Telecom Subscription Data as on 30th September 2012
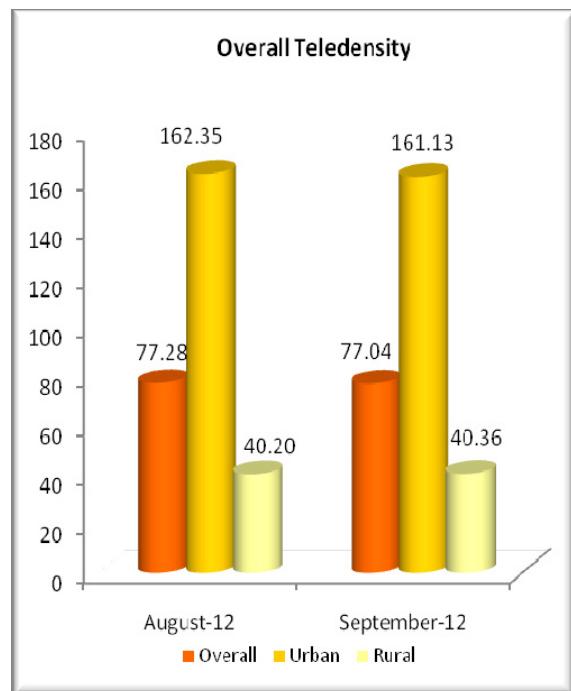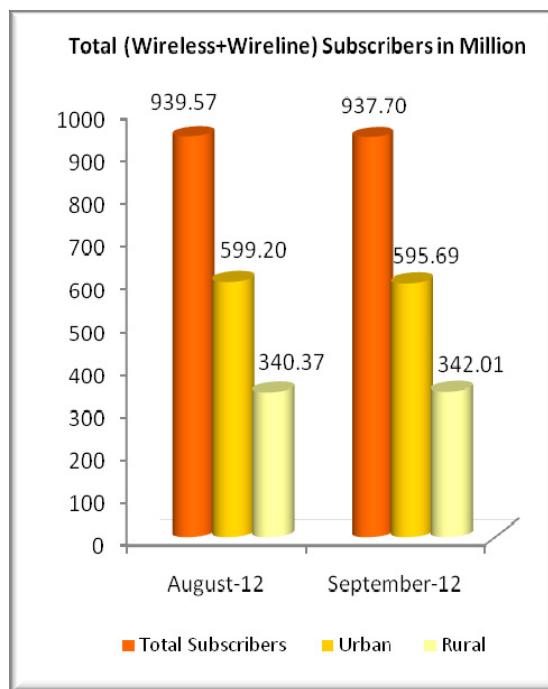
| Particulars	Wireless	Wireline	Total Wireless + Wireline
Total Subscribers (Millions)	**906.62**	**31.08**	**937.70**
Total Net Monthly Addition (Millions)	-1.74	-0.13	-1.87
Monthly Growth (%)	-0.19%	-0.40%	-0.20%
Urban Subscribers (Millions)	**571.70**	**23.99**	**595.69**
Urban Subscribers Net Monthly Addition (Millions)	-3.44	-0.07	-3.51
Monthly Growth (%)	-0.60%	-0.31%	-0.59%
Rural Subscribers (Millions)	**334.92**	**7.10**	**342.01**
Rural Subscribers Net Monthly Addition (Millions)	1.70	-0.05	1.65
Monthly Growth (%)	0.51%	-0.72%	0.48%
Overall Teledensity*	**74.49**	**2.55**	**77.04**
Urban Teledensity*	154.64	6.49	161.13
Rural Teledensity*	39.52	0.84	40.36
Share of Urban Subscribers	63.06%	77.17%	63.53%
Share of Rural Subscribers	36.94%	22.83%	36.47%

❖ Mobile Number Portability requests increased from 64.92 million subscribers at the end of August 2012 to 69.78 million at the end of September 2012. In the month of September 2012 alone, 4.86 million requests have been made for MNP.

❖ Active wireless subscribers on the date of Peak VLR in September 2012 are 698.96 Million, 77.10% of the total subscribers.

❖ Broadband subscription reached 15.08 million in September 2012 from 14.82 million in August 2012.

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* Based on the population projections from Census data published by the Office of Registrar General & Census Commissioner of India.
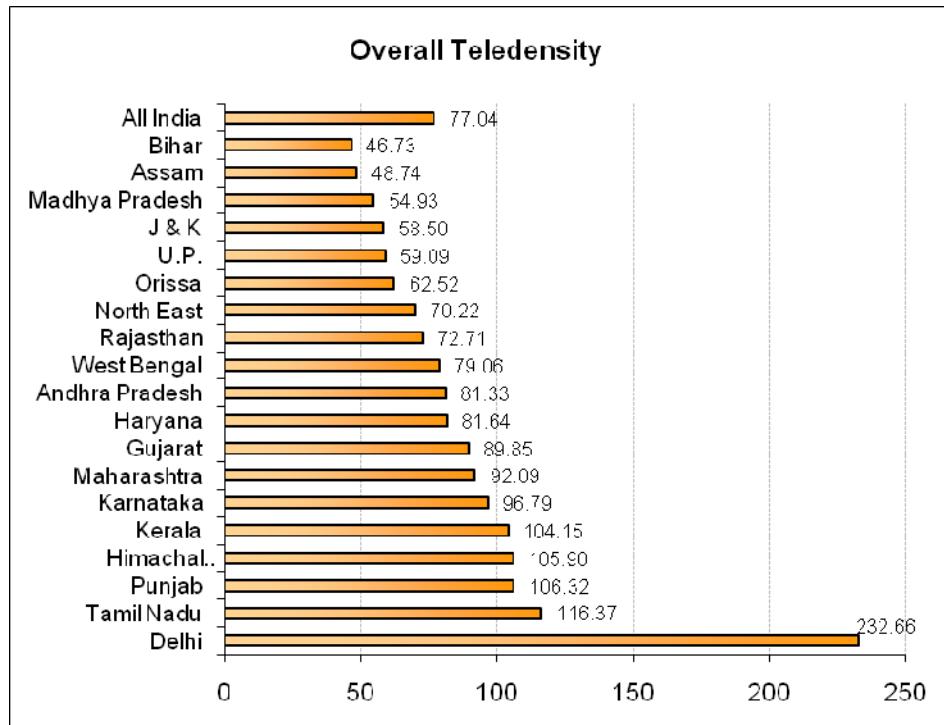
I. <u>Total Telephone Subscribers</u>

- The number of telephone subscribers in India decreased to 937.70 million at the end of September, 2012 from 939.57 million at the end of August 2012, thereby registering a monthly growth rate of -0.20%. The share of urban subscribers has declined to 63.53% from 63.77% whereas share of rural subscribers has increased to 36.47% in the month of September 2012. With this, the overall Teledensity in India reached 77.04 at the end of September, 2012 from 77.28 of the previous month.

Total (Wireless+Wireline) Subscribers in Million

Overall Teledensity

- Subscription in the urban areas decreased from 599.20 million in August, 2012 to 595.69 million at the end of September, 2012. Subscription in rural areas increased from 340.37 million to 342.01 million during the same period. The monthly growth rate of urban and rural subscription is -0.59% and 0.48% respectively. The overall urban Teledensity has decreased from 162.35 to 161.13 and Rural Teledensity increased from 40.20 to 40.36.

Overall Teledensity (Circle Wise)

Overall Teledensity

| Circle	Teledensity
All India	77.04
Bihar	46.73
Assam	48.74
Madhya Pradesh	54.93
J & K	53.50
U.P.	59.09
Orissa	62.52
North East	70.22
Rajasthan	72.71
West Bengal	79.06
Andhra Pradesh	81.33
Haryana	81.64
Gujarat	89.85
Maharashtra	92.09
Karnataka	96.79
Kerala	104.15
Himachal..	105.90
Punjab	106.32
Tamil Nadu	116.37
Delhi	232.66
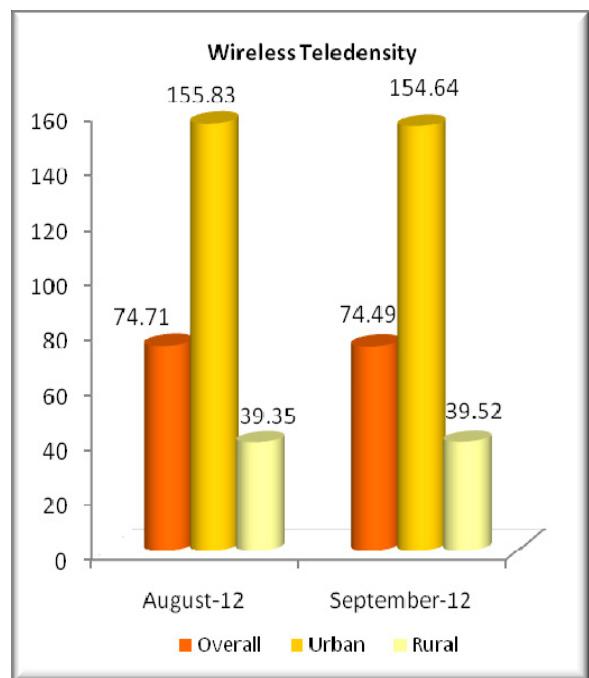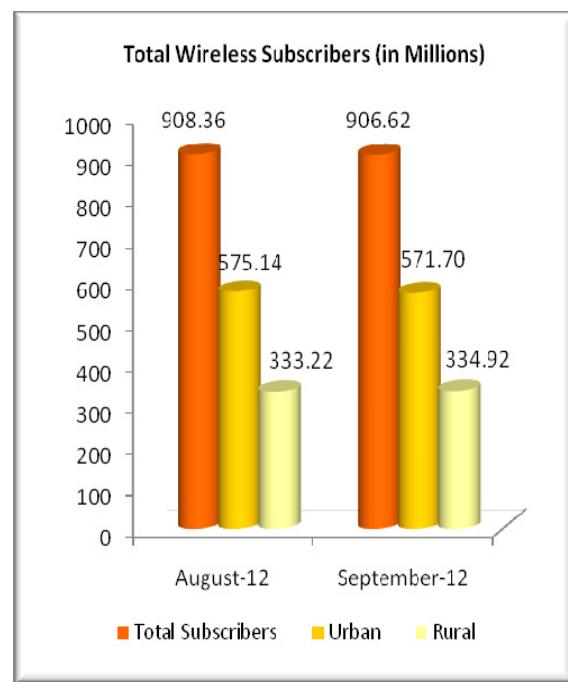
Notes:

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)
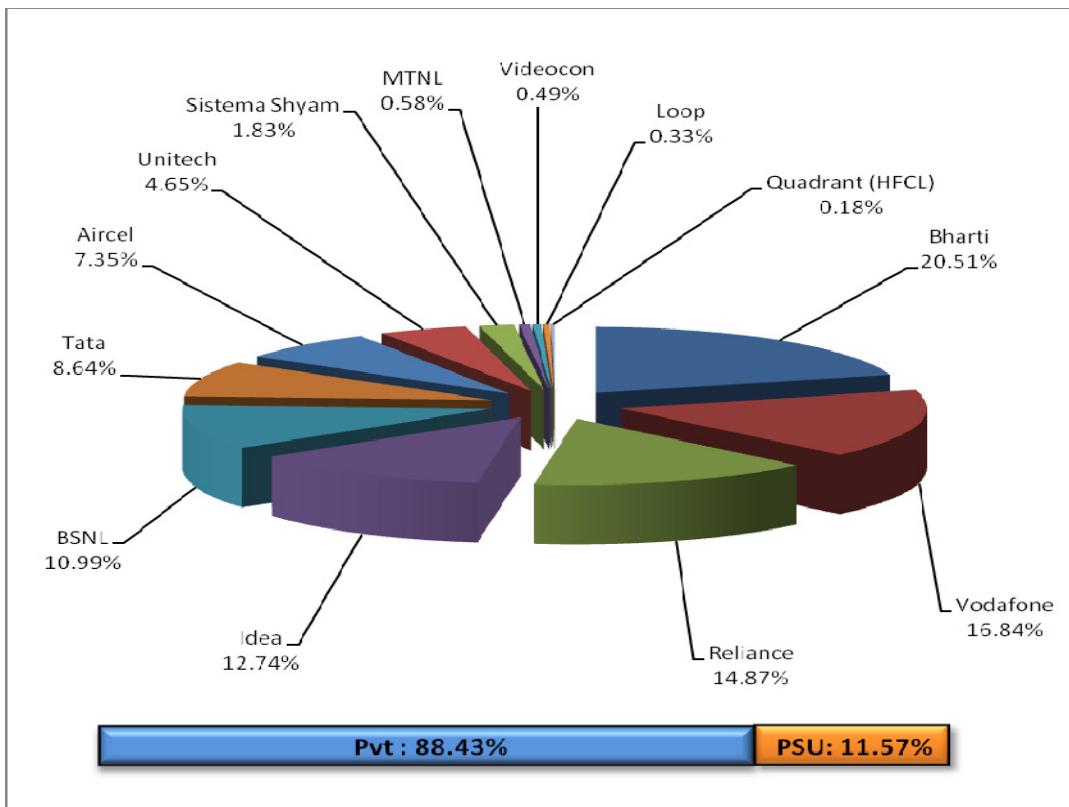
- Total wireless subscriber base decreased from 908.36 million in August 2012 to 906.62 million at the end of September 2012, registering a monthly growth of -0.19%. This decline is due to large scale disconnections by some of the service providers. The share of urban wireless subscribers has decreased from 63.32 % to 63.06% where as share of rural wireless subscribers has increased from 36.68% to 36.94%. The overall wireless Teledensity in India has reached 74.49.

Total Wireless Subscribers (in Millions)

August-12: Total Subscribers 908.36, Urban 575.14, Rural 333.22
September-12: Total Subscribers 906.62, Urban 571.70, Rural 334.92

Wireless Teledensity

August-12: Overall 74.71, Urban 155.83, Rural 39.35
September-12: Overall 74.49, Urban 154.64, Rural 39.52
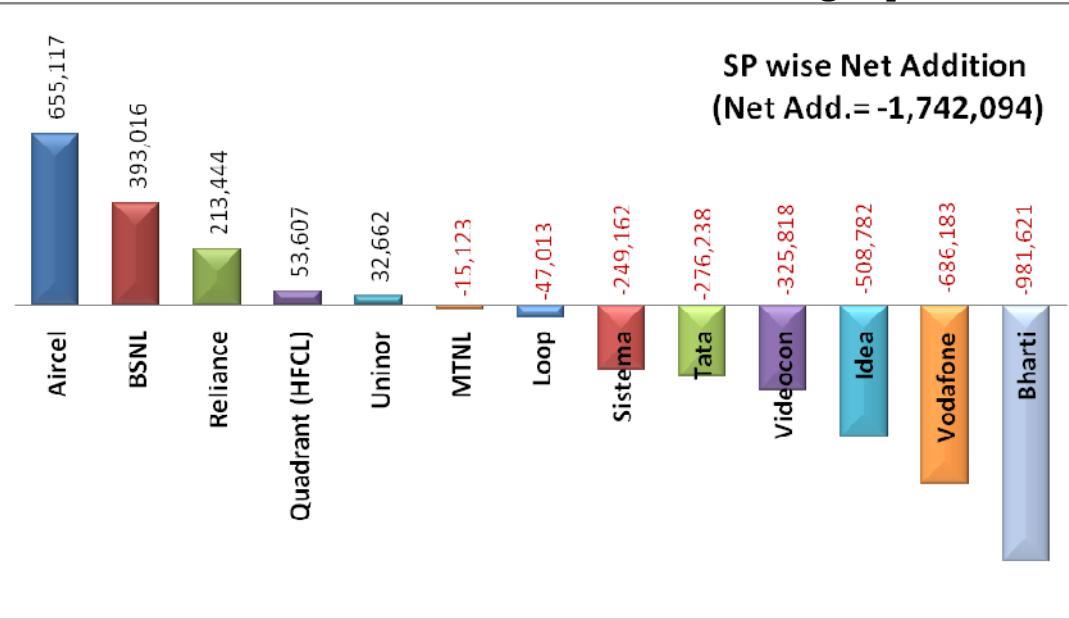
- Wireless subscription in urban areas decreased from 575.14 million in August 2012 to 571.70 million at the end of September 2012. The wireless subscription in rural areas increased from 333.22 million to 334.92 million during the same period. The urban wireless Teledensity has decreased from 155.83 to 154.64 and rural Teledensity has increased from 39.35 to 39.52. Detailed statistics is 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 September, 2012 are given below:

A. Service Provider wise Market Share as on 30th September, 2012.

Videocon 0.49%
MTNL 0.58%
Sistema Shyam 1.83%
Unitech 4.65%
Loop 0.33%
Quadrant (HFCL) 0.18%
Aircel 7.35%
Bharti 20.51%
Tata 8.64%
BSNL 10.99%
Vodafone 16.84%
Idea 12.74%
Reliance 14.87%

Pvt : 88.43%   PSU: 11.57%

B. Service Provider wise net subscriber addition during September 2012

SP wise Net Addition
(Net Add.= -1,742,094)

| Aircel	BSNL	Reliance	Quadrant (HFCL)	Uninor	MTNL	Loop	Sistema	Tata	Videocon	Idea	Vodafone	Bharti
655,117	393,016	213,444	53,607	32,662	-15,123	-47,013	-249,162	-276,238	-325,818	-508,782	-686,183	-981,621

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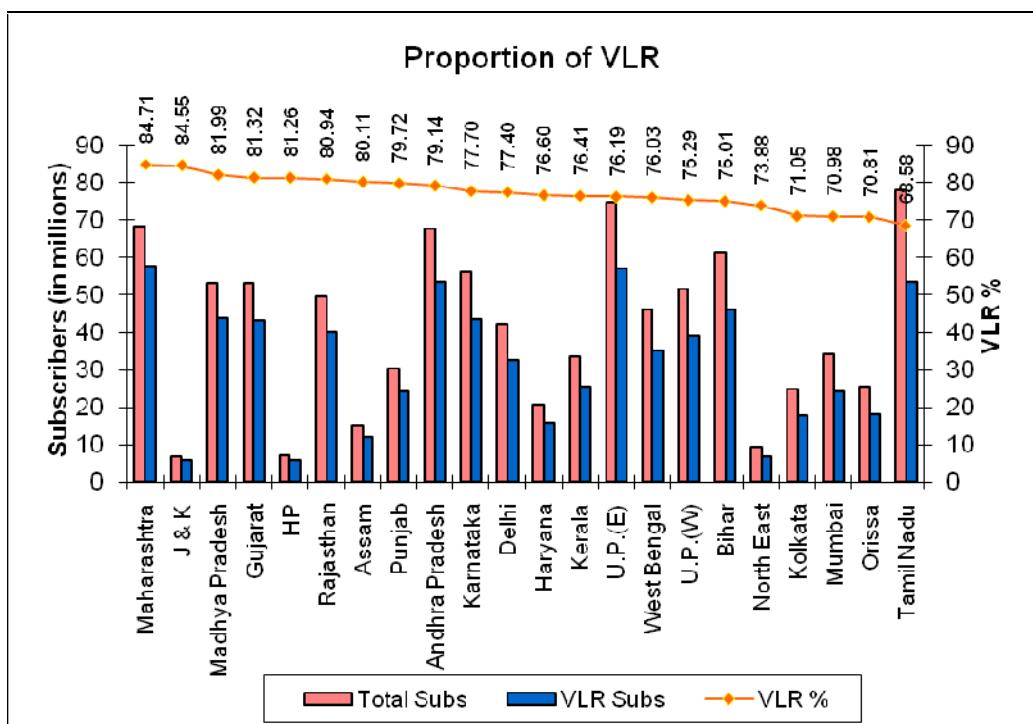
III. <u>VLR Data</u>

Out of the total 906.62 million wireless subscribers, 698.96* million were active on the date of Peak VLR for the month of September 2012. The proportion of VLR subscribers is approximately 77.10% of the total wireless subscriber base reported by the service providers.
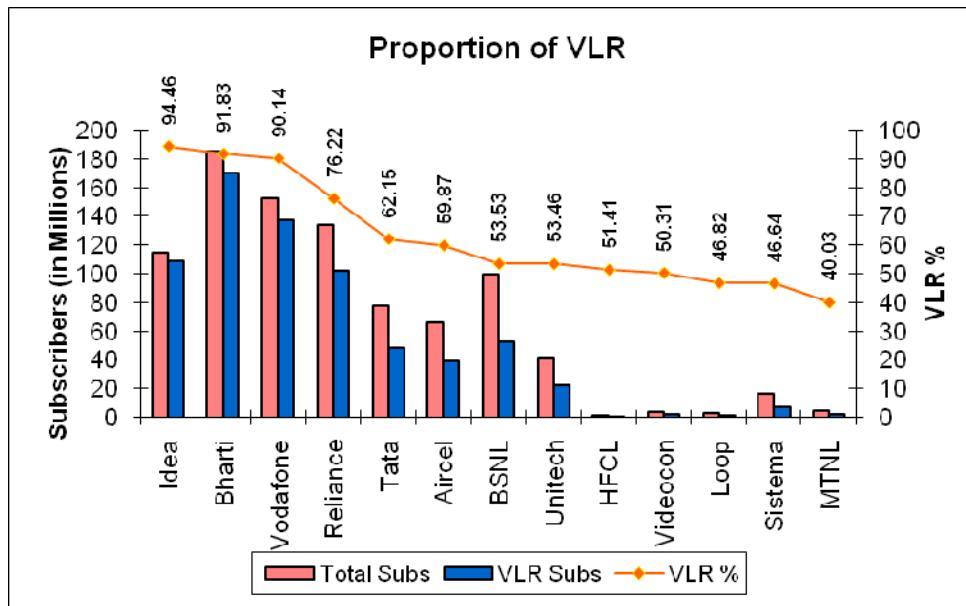
Circle-wise, Maharashtra has the highest proportion of VLR subscribers with 84.71% followed by J&K (84.55%) and Madhya Pradesh (81.99%); Tamil Nadu (including Chennai) has the lowest proportion with 68.58%. Service Provider wise, Idea leads the tally with 94.46% followed by Bharti (91.83%). The detailed 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)

Proportion of VLR

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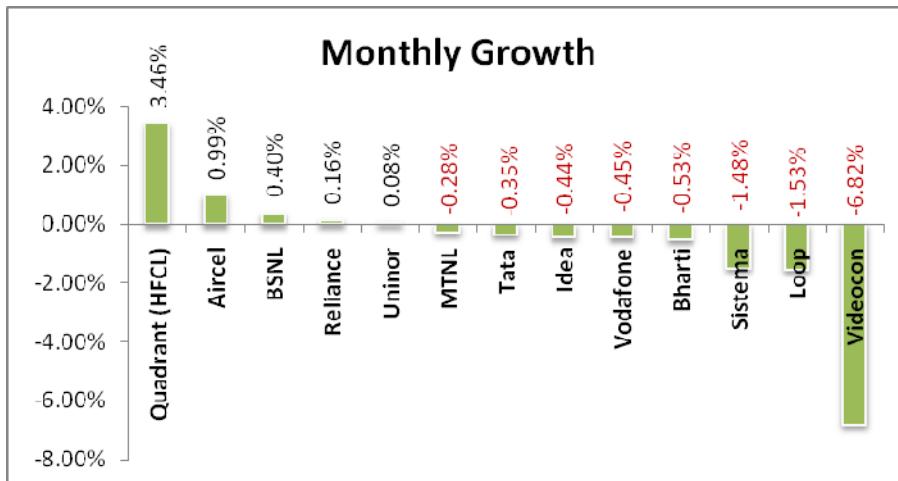
* The total active VLR number excludes the CDMA VLR figure of M/s BSNL as the service provider has not provided the VLR figures of their total CDMA subscriber base of 3.13 million.

Proportion of VLR subscribers (Service Provider wise)

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

IV. Mobile Number Portability
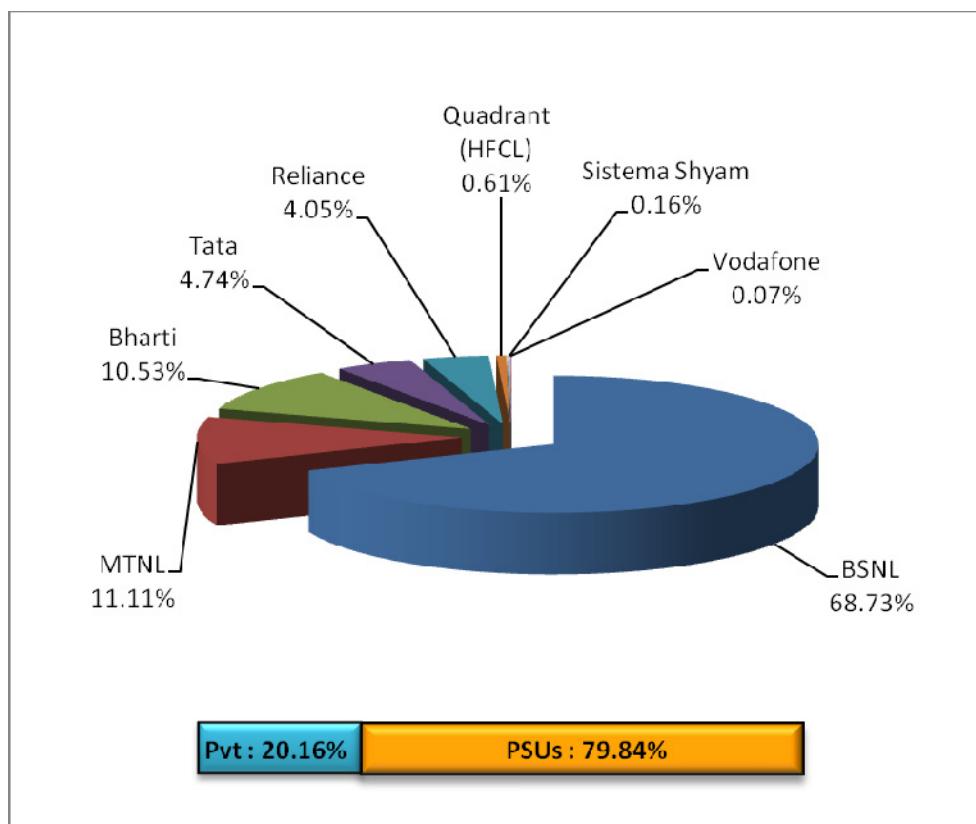
As per the data reported by the service providers, by the end of September 2012 about 69.78 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (6.70 million) followed by Gujarat (6.08 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (8.64 million) followed by Andhra Pradesh Service area (6.55 million). In the month of September 2012, total number of subscribers who have submitted their request for MNP is 4.86 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of September 2012			
Zone -1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	2359557	Andhra Pradesh	6548267
Gujarat	6081687	Assam	271321
Himachal Pradesh	284964	Bihar	1409690
Haryana	2607946	Karnataka	8643224
Jammu & Kashmir	9847	Kerala	2970049
Maharashtra	5937933	Kolkata	1278389
Mumbai	2413759	Madhya Pradesh	4050392
Punjab	2342486	North East	117483
Rajasthan	6703608	Orissa	1660919
Uttar Pradesh - East	4131642	Tamil Nadu	4237492
Uttar Pradesh - West	3892397	West Bengal	1825199
Total	**36,765,826**	**Total**	**33,012,425**
Total (Zone-1 + Zone-2)			**69,778,251**
Net Addition (in September 2012)			**4,862,923**
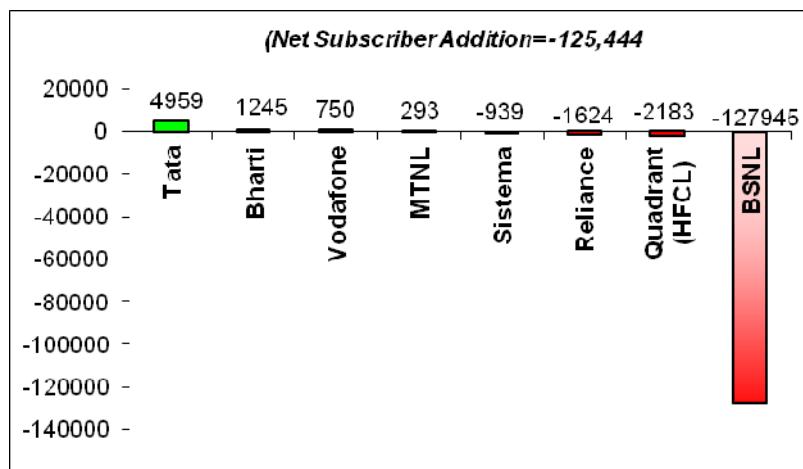
V. **Wireline Segment**

Wireline subscriber base declined from 31.21 million at the end of August 2012 to 31.08 Million at the end of September 2012. Net reduction in wireline subscriber base was 0.13 million. The share of urban subscribers has increased from 77.10% to 77.17% where as share of rural subscribers has declined from 22.90% to 22.83%. The overall wireline Teledensity has marginally decreased from 2.57 in August 2012 to 2.55 in September 2012, with urban and rural Teledensity being 6.49 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 30th September 2012**

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

(Net Subscriber Addition=-125,444

Tata	4959
Bharti	1245
Vodafone	750
MTNL	293
Sistema	-939
Reliance	-1624
Quadrant (HFCL)	-2183
BSNL	-127945

VI. Category wise Growth

- As can be seen from the following tables, while the Circles in Category B show the highest reduction and Category Metro shows the highest rate of decline in the wireless sector from August 2012 to September 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 September, 2012		Subscriber Base as on 30th September, 2012	
	Wireline	Wireless	Wireline	Wireless
Circle A	-40534	-240986	12267908	322354955
Circle B	-81920	-1145031	9826340	358882458
Circle C	-3547	43756	1906937	124463069
Metro	557	-399833	7082138	100916138
All India	**-125,444**	**-1742094**	**31,083,323**	**906,616,620**

Category-wise Growth Rate in Access Service
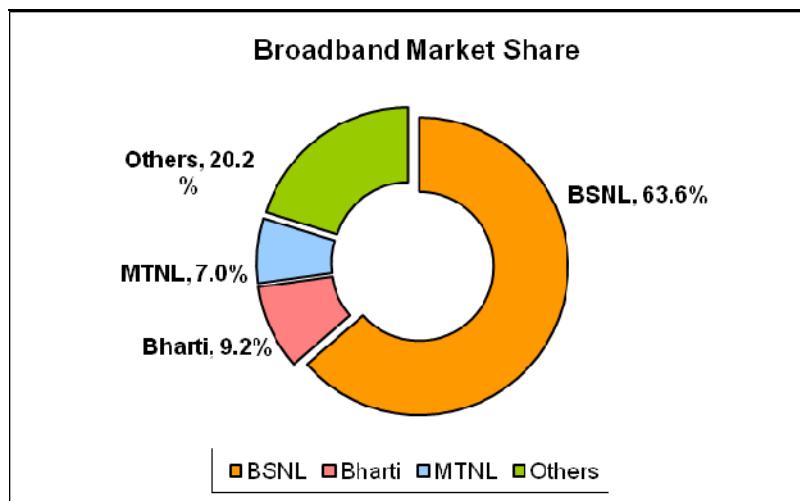
Category	Monthly Rate of Growth (Aug-2012 to Sept-2012)		Yearly rate of growth (Sept-2011 to Sept-2012)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-0.33%	-0.07%	-6.21%	4.46%
Circle B	-0.83%	-0.32%	-8.87%	4.27%
Circle C	-0.19%	0.04%	-14.37%	4.91%
Metro	0.01%	-0.39%	-1.93%	-1.25%
All India	**-0.40%**	**-0.19%**	**-6.69%**	**3.78%**

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

VII. Broadband (≥ 256 Kbps download)

Total Broadband subscriber base has increased from 14.82 million at the end of August 2012 to 15.08 million at the end of September 2012, there by showing a monthly growth of 1.71%. Yearly growth in broadband subscribers is 16.19% during the last one year (October 2011 to September 2012).

As on 30th September 2012, there are 157 Internet Service Providers (ISPs) which are providing broadband services in the country. Out of this only 112 ISPs have provided data for the month of September 2012, for the rest of the ISPs data from previous month has been retained (Data from top 10 ISPs, which constitute 93.31% of the total subscriber base, have been received for the month of September 2012). Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.58 million), Bharti Airtel (1.39 million), MTNL (1.06 million), You Broadband (0.72 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.

	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel/Dishnet	
Circle	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12
Andhra Pradesh	18882255	18693692	7963926	8045285	6182992	6398393	7903061	7889542	10670306	10728762	1964589	1975021
Assam	3876246	3875298	3195807	3247231	2363905	2319970	128370	128314	363369	372559	3780076	3778274
Bihar	18198794	18047516	8629126	8758805	6588425	6502289	4427327	4321480	5645833	5494988	5286866	5288139
Delhi	9083195	9105718	8507504	8489637	8872999	8749701	4059362	4051470	4828906	4801988	2887603	2928704
Gujarat	7258811	7196491	7606225	7575497	16074103	16241892	3510438	3464499	8206969	8216677	777433	791597
Haryana	2388657	2338293	2714700	2592520	4495910	4492681	2822209	2806789	3688890	3687543	641033	652062
Himachal Pradesh	1909948	1907002	1627390	1559429	488075	483741	277726	259023	482212	482365	783954	720753
J & K	2250447	2269768	603587	597315	708358	685776	111843	113194	198480	201974	1754127	1770577
Karnataka	16058635	16162382	7325988	7329696	6926656	6860316	7195147	7387161	6119350	6225658	1422729	1485942
Kerala	3530394	3506105	3508386	3449810	6003174	6062344	2301366	2257475	7731037	7712256	1708665	1777913
Kolkata	3784138	3754168	5247781	5223735	4301269	4304010	3057881	3048968	1387347	1355899	1854105	1884904
Madhya Pradesh	10032361	9928758	12566485	12943010	4280400	4498480	4545716	4463235	14431948	14429519	964836	986875
Maharashtra	10192569	10007457	9156490	8574645	13301998	13290535	7270424	7082709	15337967	15219023	1172751	1191470
Mumbai	3618749	3587060	7292959	7280826	5977143	6061281	4161142	4070004	2983600	2953838	1379552	1413290
North East	2506020	2519084	1053592	1110159	986872	980574	79169	80105	245926	250036	2507798	2495094
Orissa	6620437	6622129	4120965	4377698	2731175	2814753	2448596	2481142	991014	1011626	2788491	2894773
Punjab	6883578	6894188	3322879	3292577	4584423	4459595	2751991	2755698	5571990	5599541	1094327	1117329
Rajasthan	14749272	14739264	6471861	6450463	9135758	9236120	3729333	3585454	4517819	4521563	2501285	2625234
Tamil Nadu (incl. Chennai)	13776180	13695130	7883846	8027261	12476685	12339851	5875899	6248503	2316260	2284356	22310783	22235152
U.P.(E)	15233908	15081912	10920246	10943984	15263993	14820952	4598725	4629635	7474273	7237189	3251601	3398510
U.P.(W)	6749356	6677180	7807829	7808720	9595618	9352384	4658794	4624780	10363169	10265870	2131207	2153133
West Bengal	9320160	9313894	7108219	7170932	12011019	11709129	2717298	2606399	2416854	2411507	2988433	3042615
Total	186904110	185922489	134635791	134849235	153350950	152664767	78631817	78355579	115973519	115464737	65952244	66607361
Net Addition		-981621		213444		-686183		-276238		-508782		655117

Circle	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12
Andhra Pradesh	9138478	9154603	0	0	3896912	3996512	679733	700753	0	0	9876	9763
Assam	1267502	1267958	0	0	592	673	1276	1286	0	0	0	0
Bihar	6060763	6067495	0	0	4852878	4942685	1666572	1633546	0	0	18730	18726
Delhi	0	0	2563281	2582787	0	0	1219757	1261197	0	0	0	0
Gujarat	4205726	4216537	0	0	4068995	4054136	217887	238828	0	0	969729	950766
Haryana	3073450	3073463	0	0	497	461	234250	231421	0	0	947503	849452
Himachal Pradesh	1523689	1543633	0	0	154	150	78	69	0	0	76892	44589
J & K	1148693	1150546	0	0	325	314	22	19	0	0	0	0
Karnataka	7021922	7026569	0	0	1171684	1098040	2382452	2392347	0	0	8364	8189
Kerala	7420370	7496684	0	0	436815	404750	651292	614243	0	0	49788	49756
Kolkata	2379110	2328283	0	0	2142840	2056696	903504	910611	0	0	4096	4096
Madhya Pradesh	4925430	4941372	0	0	1209	1289	2910	2978	0	0	964212	941265
Maharashtra	6405441	6540974	0	0	5283628	5399721	721156	710690	0	0	8818	8814
Mumbai	0	0	2745767	2711138	1758462	1795446	579480	537860	3075552	3028539	658887	634284
North East	1723627	1740227	0	0	97	94	176	176	0	0	0	0
Orissa	4466574	4470492	0	0	838843	745951	811	814	0	0	10673	10673
Punjab	4424311	4449876	0	0	542	434	1101	1120	0	0	0	0
Rajasthan	5742403	5788870	0	0	1053	1037	2626339	2473791	0	0	8368	7619
Tamil Nadu (incl. Chenna	9497506	9487722	0	0	1182886	1112982	1599828	1506155	0	0	1003455	876259
U.P.(E)	10193105	10257908	0	0	7414320	7527122	671684	672831	0	0	14872	14865
U.P.(W)	4980181	4986563	0	0	4908640	4888479	695071	698580	0	0	5567	5581
West Bengal	3641910	3643432	0	0	4152311	4119373	1988317	2005219	0	0	17191	16506
Total	**99240191**	**99633207**	**5309048**	**5293925**	**42113683**	**42146345**	**16843696**	**16594534**	**3075552**	**3028539**	**4777021**	**4451203**
Net Addition		**393016**		**-15123**		**32662**		**-249162**		**-47013**		**-325818**

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	Wireless Subscriber Base							Annexure-I	
	Page 3 of 3								
	Group								
	S-Tel		Quadrant (HFCL)		Etisalat		Total		
Circle	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Net Add.
Andhra Pradesh	0	0	0	0	0	0	67292128	67592326	300198
Assam	0	0	0	0	0	0	14977143	14991563	14420
Bihar	0	0	0	0	0	0	61375314	61075669	-299645
Delhi	0	0	0	0	0	0	42022607	41971202	-51405
Gujarat	0	0	0	0	0	0	52896316	52946920	50604
Haryana	0	0	0	0	0	0	21007099	20724685	-282414
Himachal Pradesh	0	0	0	0	0	0	7170118	7000754	-169364
J & K	0	0	0	0	0	0	6775882	6789483	13601
Karnataka	0	0	0	0	0	0	55632927	55976300	343373
Kerala	0	0	0	0	0	0	33341287	33331336	-9951
Kolkata	0	0	0	0	0	0	25062071	24871370	-190701
Madhya Pradesh	0	0	0	0	0	0	52715507	53136781	421274
Maharashtra	0	0	0	0	0	0	68851242	68026038	-825204
Mumbai	0	0	0	0	0	0	34231293	34073566	-157727
North East	0	0	0	0	0	0	9103277	9175549	72272
Orissa	0	0	0	0	0	0	25017579	25430051	412472
Punjab	0	0	1551092	1604699	0	0	30186234	30175057	-11177
Rajasthan	0	0	0	0	0	0	49483491	49429415	-54076
Tamil Nadu (incl. Chenna	0	0	0	0	0	0	77923328	77813371	-109957
U.P.(E)	0	0	0	0	0	0	75036727	74584908	-451819
U.P.(W)	0	0	0	0	0	0	51895432	51461270	-434162
West Bengal	0	0	0	0	0	0	46361712	46039006	-322706
Total	0	0	1551092	1604699	0	0	908358714	906616620	-1742094
Net Addition		0		53607		0		-1742094	

Circle	Aircel	Bharti	BSNL (Except CDMA)	Etisalat	HFCL	Idea	Loop	MTNL	Reliance	S Tel	Sistema	Tata	Uninor	Videocon	Vodafone	Total
Andhra Pradesh	66.08	93.52	70.91	0.00		94.14			65.11		54.72	66.33	57.23	0.13	77.68	**79.14**
Assam	79.84	94.92	64.74			85.73			62.54		80.72	68.40			88.53	**80.11**
Bihar	45.69	95.35	33.21	0.00		94.36			83.27		36.26	53.86	52.38	0.68	95.16	**75.01**
Delhi	60.63	81.49		0.00		93.27		47.91	80.12		31.22	54.60			93.33	**77.40**
Gujarat	68.70	90.06	59.05	0.00		92.63			79.90		39.83	63.21	61.86	58.70	89.44	**81.32**
Haryana	46.32	91.84	49.63			93.68			74.86			66.56		51.65	92.04	**76.60**
Himachal Pradesh	62.43	95.83	69.48			98.26			78.46		184.06	53.80		8.19	102.99	**81.26**
J & K	87.44	96.04	67.59			88.85			66.81			67.76			84.45	**84.55**
Karnataka	45.11	95.91	53.00	0.00		90.74			74.77		55.37	67.17	0.53	0.09	85.43	**77.70**
Kerala	59.17	91.80	65.28	0.00		97.03			63.92		48.77	63.06	1.29	10.13	86.83	**76.41**
Kolkata	55.81	89.08	34.77			77.67			74.40		50.18	74.09	45.09		90.20	**71.05**
Madhya Pradesh	44.17	91.15	53.60	0.00		101.74			75.66		41.74	70.27		55.49	73.35	**81.99**
Maharashtra	56.08	86.23	70.50	0.00		99.38			81.80		54.41	75.13	62.86	0.69	93.89	**84.71**
Mumbai	55.38	92.29		0.00		87.25	46.82	32.53	86.46		26.67	56.54	47.67	47.74	87.74	**70.98**
North East	67.17	94.72	51.77			82.23			64.04			70.91			85.90	**73.88**
Orissa	49.98	95.07	56.94			74.01			66.50		67.69	63.90	1.39	0.05	87.46	**70.81**
Punjab	53.26	94.22	53.39	0.00	51.41	93.01			80.67		27.68	65.86			91.57	**79.72**
Rajasthan	83.08	91.33	48.05	0.00		103.90			79.41		46.02	58.70		1.43	92.23	**80.94**
Tamil Nadu	56.13	94.89	48.44	0.00		71.16			70.84		54.11	53.67	1.79	46.59	92.25	**68.58**
U.P.(E)	68.69	92.31	42.29	0.00		93.66			76.44		32.07	55.25	63.79	0.43	91.17	**76.19**
U.P.(W)	67.68	81.20	44.33	0.00		92.92			72.92		34.59	55.34	59.36	0.43	93.24	**75.29**
West Bengal	57.54	88.87	46.74			78.37			83.39		59.13	43.26	54.00	0.24	92.79	**76.03**
Total	**59.87**	**91.83**	**53.53**	**0.00**	**51.41**	**94.46**	**46.82**	**40.03**	**76.22**	**0.00**	**46.64**	**62.15**	**53.46**	**50.31**	**90.14**	**77.10**

Proportion of VLR on the date of Peak VLR in the month of Sep, 2012 (%)   Annexure-II

* 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.

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	Wireline Subscriber Base																Annexure-III	
	Group																		
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total		
Circle	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Aug-12	Sep-12	Net Add.
Andhra Pradesh	1911202	1899997			125485	125531	88848	88870	171490	170359	0	0	0	0	3840	3840	2300865	2288597	-12268
Assam	197763	195873				0			2701	2765	0	0	0	0	0	0	200464	198638	-1826
Bihar	545376	546547				0	4736	4802	11219	11118	0	0	0	0	0	0	561331	562467	1136
Delhi	0	0	1576025	1578914	1080247	1080689	184327	184533	84291	85484	0	0	0	0	6390	6480	2931280	2936100	4820
Gujarat	1563015	1558974			55315	55335	104956	103907	65525	65953	0	0	0	0	120	150	1788931	1784319	-4612
Haryana	527316	524784			23910	23916	4979	4982	24356	24700	0	0	0	0	0	0	580561	578382	-2179
Himachal Pradesh	292949	291091				0	4462	4462	2178	2166	0	0	0	0	0		299589	297719	-1870
J & K	202160	201151				0			351	353	0	0	0	0	0		202511	201504	-1007
Karnataka	1728820	1722087			491001	491187	111183	111207	131704	133810	0	0	0	0	2460	2760	2465168	2461051	-4117
Kerala	3026353	3013134			55830	55848	56030	56031	12431	12411	0	0	0	0			3150644	3137424	-13220
Kolkata	947962	946547			93751	93790	80607	80633	34334	34456	0	0	0	0	1020	1020	1157674	1156446	-1228
Madhya Pradesh	836062	835738			241416	241505	30463	29532	13648	13910	0	0	0	0	30	60	1121619	1120745	-874
Maharashtra	2174465	2157874			70208	70234	102357	102379	241365	241645	0	0	0	0	420	480	2588815	2572612	-16203
Mumbai	0	0	1877493	1874897	331235	331357	233277	233431	544412	543667	0	0	0	0	6210	6240	2992627	2989592	-3035
North East	250179	249688				0	0	0	237	243	0	0	0	0			250416	249931	-485
Orissa	385037	385444				0	3486	3486	7560	7568	0	0	0	0	90	180	396173	396678	505
Punjab	1072478	1067742			105774	105809	28168	27770	15952	15690	191117	188934	0	0	240	240	1413729	1406185	-7544
Rajasthan	997064	987884			39307	39320	26036	26081	6496	6694	0	0	49815	48876	180	180	1118898	1109035	-9863
Tamil Nadu (incl. Chennai)	2460148	2454009			485140	485316	148227	148400	70038	72374	0	0	0	0	1110	1230	3164663	3161329	-3334
U.P.(E)	1017721	977493			50473	50492	39946	39956	13566	13379	0	0	0	0	270	270	1121976	1081590	-40386
U.P.(W)	747432	743084			24275	24283	5352	5352	8003	8044	0	0	0	0	0	0	785062	780763	-4299
West Bengal	607492	603908				0	2075	2077	6204	6231	0	0	0	0	0	0	615771	612216	-3555
Total	21490994	21363049	3453518	3453811	3273367	3274612	1259515	1257891	1468061	1473020	191117	188934	49815	48876	22380	23130	31208767	31083323	-125444
Net Addition		-127945		293		1245		-1624		4959		-2183		-939		750		-125444	

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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.