

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 4th July 2012
(www.trai.gov.in)

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

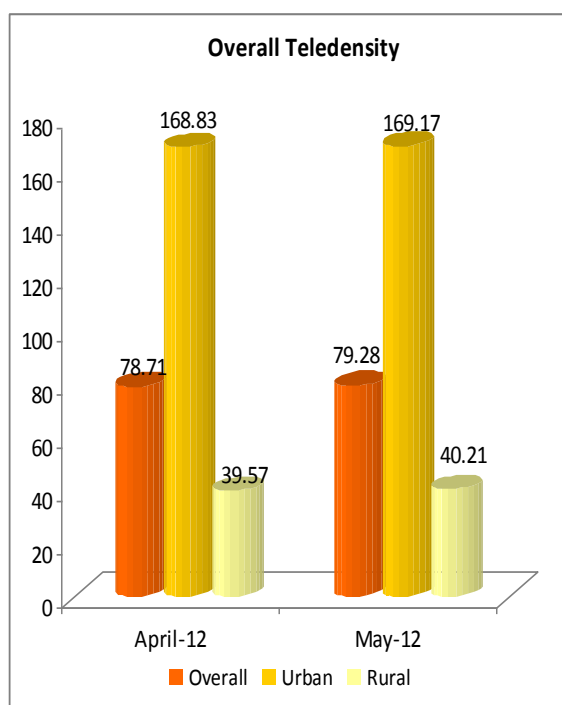
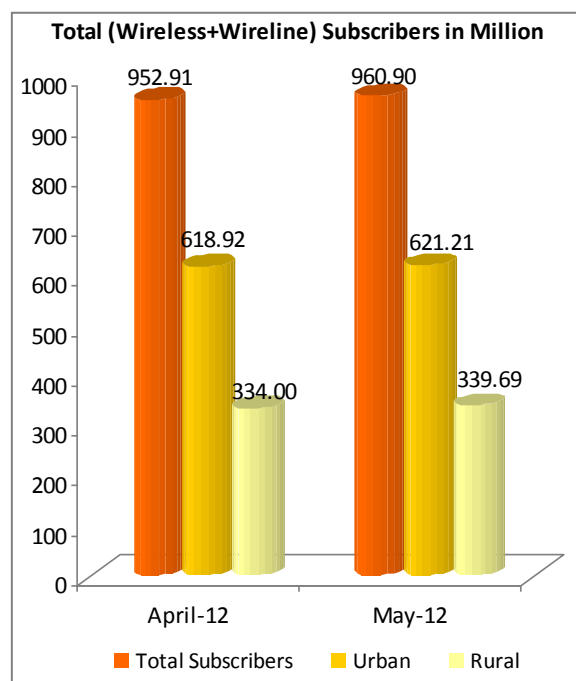
Particulars	Wireless	Wireline	Total Wireless+Wireline
Total Subscribers (Millions)	929.37	31.53	960.90
Total Net Addition (Millions)	8.35	-0.36	7.99
Monthly Growth (%)	0.91%	-1.13%	0.84%
Urban Subscribers (Millions)	596.98	24.22	621.21
Urban Subscribers Net Addition (Millions)	2.53	-0.24	2.29
Monthly Growth (%)	0.43%	-0.99%	0.37%
Rural Subscribers (Millions)	332.38	7.31	339.69
Rural Subscribers Net Addition (Millions)	5.81	-0.12	5.69
Monthly Growth (%)	1.78%	-1.58%	1.71%
Overall Teledensity*	76.68	2.60	79.28
Urban Teledensity*	162.57	6.60	169.17
Rural Teledensity*	39.35	0.87	40.21
Share of Urban Subscribers	64.24%	76.82%	64.65%
Share of Rural Subscribers	35.76%	23.18%	35.35%

- ❖ Mobile Number Portability requests increased from 45.89 million subscribers at the end of April 2012 to 50.16 million at the end of May 2012. In the month of May 2012 alone, 4.27 million requests have been made for MNP.
- ❖ Active wireless subscribers on the date of Peak VLR in May 2012 are 689.33 Million, 74.17% of the total subscribers.
- ❖ Broadband subscription reached 14.31 Million in May 2012 from 13.95 Million in April 2012.

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

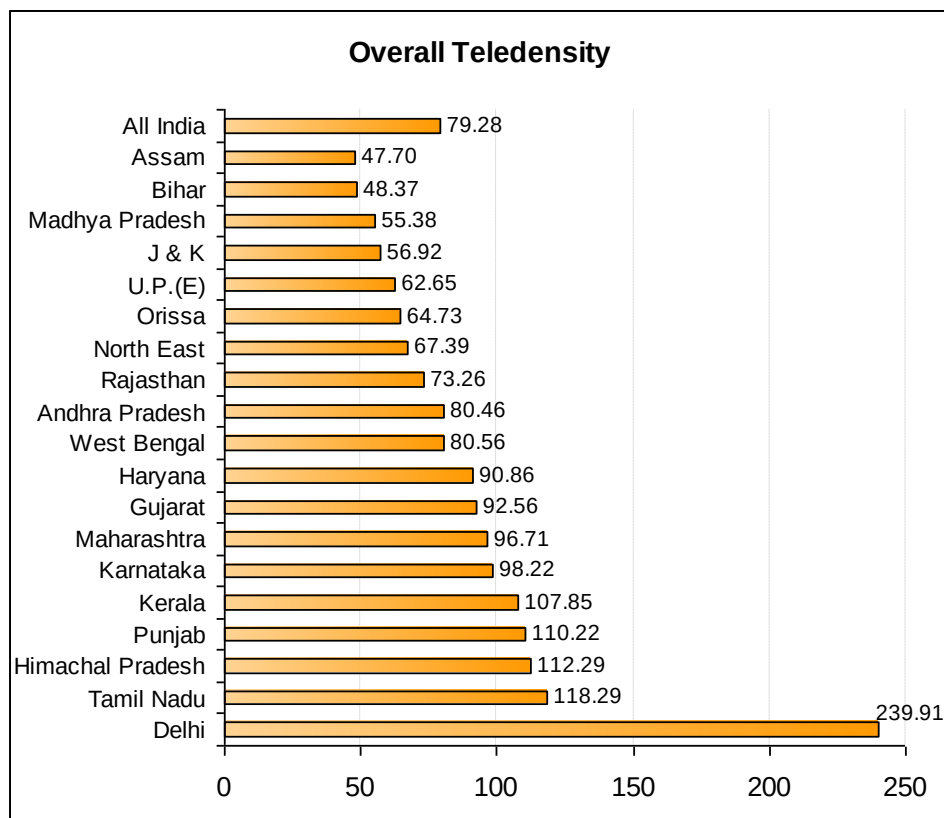
I. Total Telephone Subscribers

• The number of telephone subscribers in India increased to 960.90 Million at the end of May, 2012 from 952.91 Million at the end of April 2012, thereby registering a growth rate of 0.84%. The share of Urban subscribers has declined to 64.65% from 64.95% whereas share of Rural Subscribers has increased to 35.35% in the month of May 2012. With this, the overall Tele-density in India reaches to 79.28 at the end of May, 2012 from 78.71 of the previous month.



• Subscription in Urban Areas increased from 618.92 million in April, 2012 to 621.21 million at the end of May, 2012. Subscription in Rural Areas increased from 334.00 million to 339.69 million during the same period. The growth rate of Urban and Rural Subscription is -0.37% and 1.71% respectively. The overall Urban Teledensity has increased from 168.83 to 169.17 and Rural Teledensity increased from 39.57 to 40.21.

Overall Teledensity (Circle Wise)

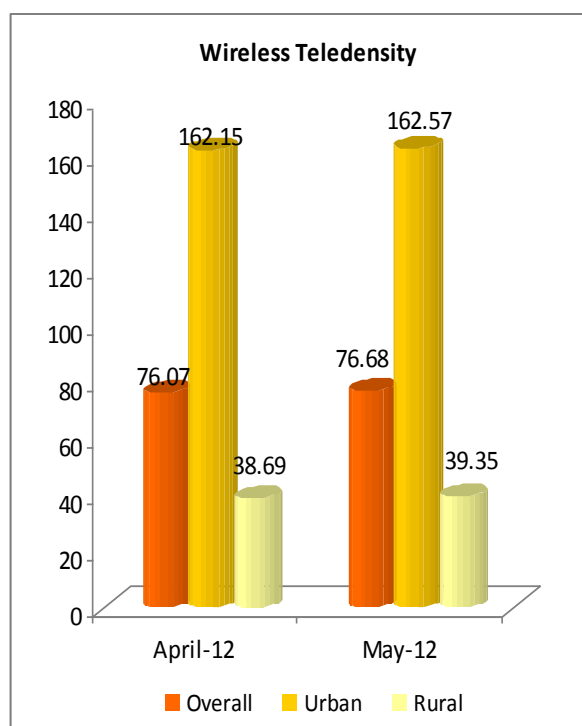
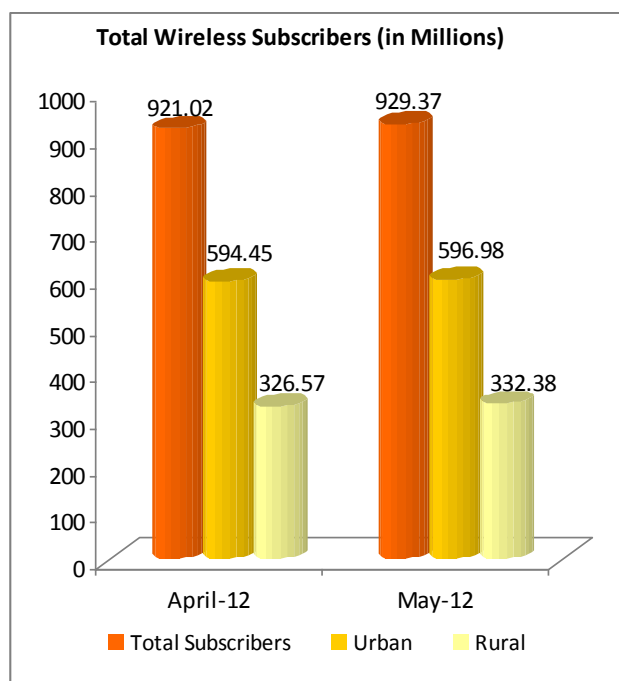


Notes:

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)

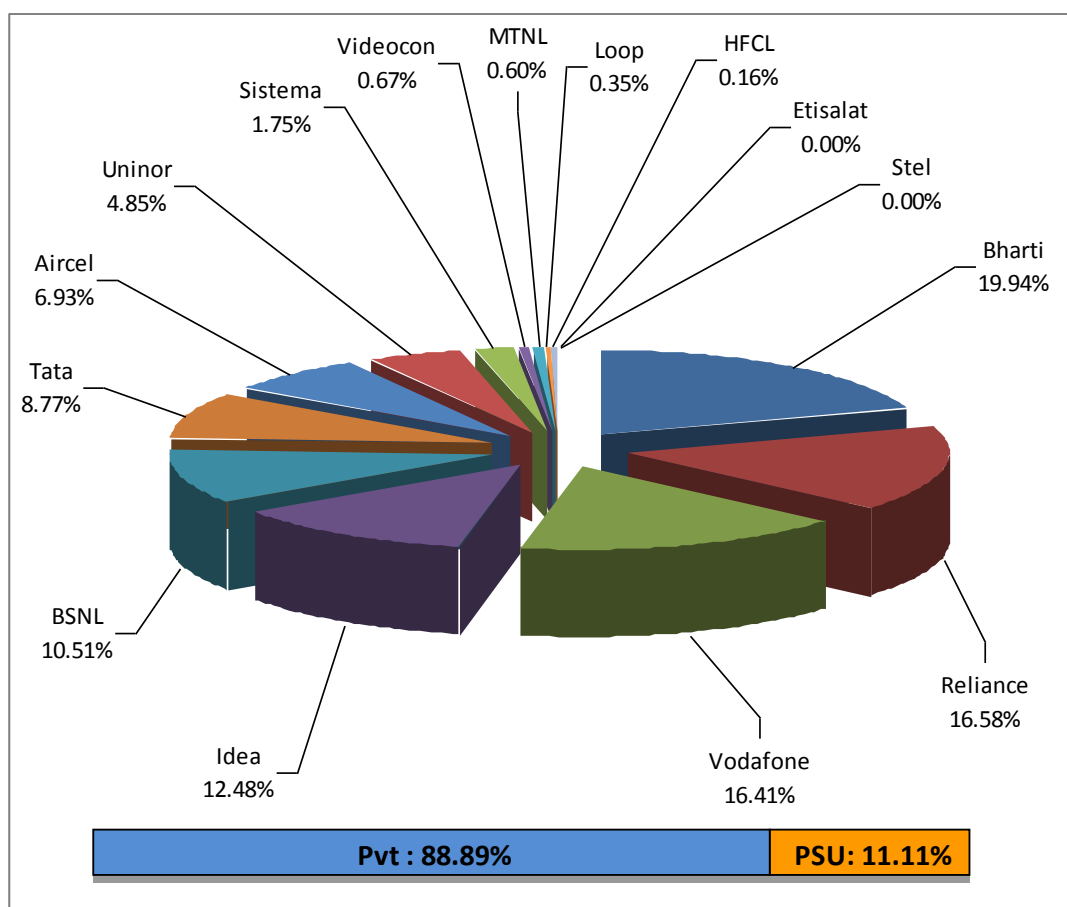
- Total wireless subscriber base increased from 921.02 Million in April 2012 to 929.37 Million at the end of May 2012, registering a growth of 0.91%. The share of Urban wireless subscribers has decreased from 64.54 % to 64.24% where as share of Rural wireless subscribers has increased from 35.46% to 35.76%. The overall wireless Tele density in India reaches 76.68.



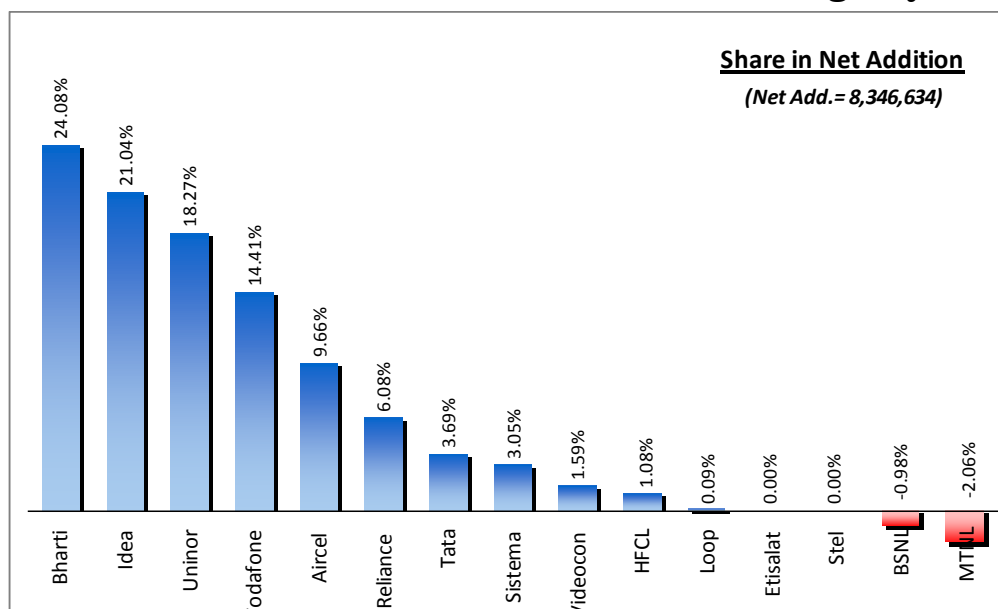
- Wireless subscription in Urban areas increased from 594.45 million in April 2012 to 596.98 million at the end of May 2012. The wireless subscription in Rural Areas increased from 326.57 million to 332.38 million during the same period. This shows higher growth in Rural wireless subscription (1.78%) than Urban wireless subscription (0.43%). The Urban wireless Teledensity has increased from 162.15 to 162.57 and Rural Teledensity has increased from 38.69 to 39.35 Detailed statistics is at Annexure I.

- Private operators hold 88.89% of the wireless market share where as BSNL and MTNL, two PSU operators hold only 11.11% market share. The graphical presentations of market shares and shares in net additions of all the service providers during the month of May, 2012 are given below:

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



B. Service Providers' share in net additions during May 2012

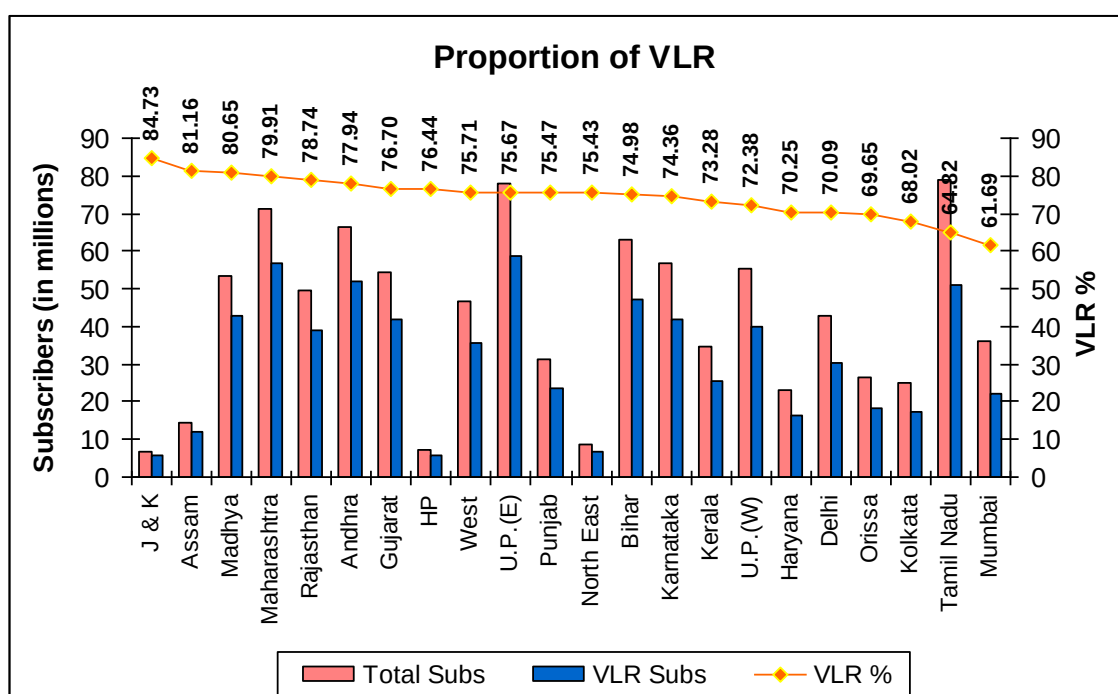


III. VLR Data

Out of the total 929.37 Million wireless subscribers, 689.33* Million were active on the date of Peak VLR for the month of May 2012. The proportion of VLR subscribers is approximately 74.17% of the total wireless subscriber base reported by the service providers.

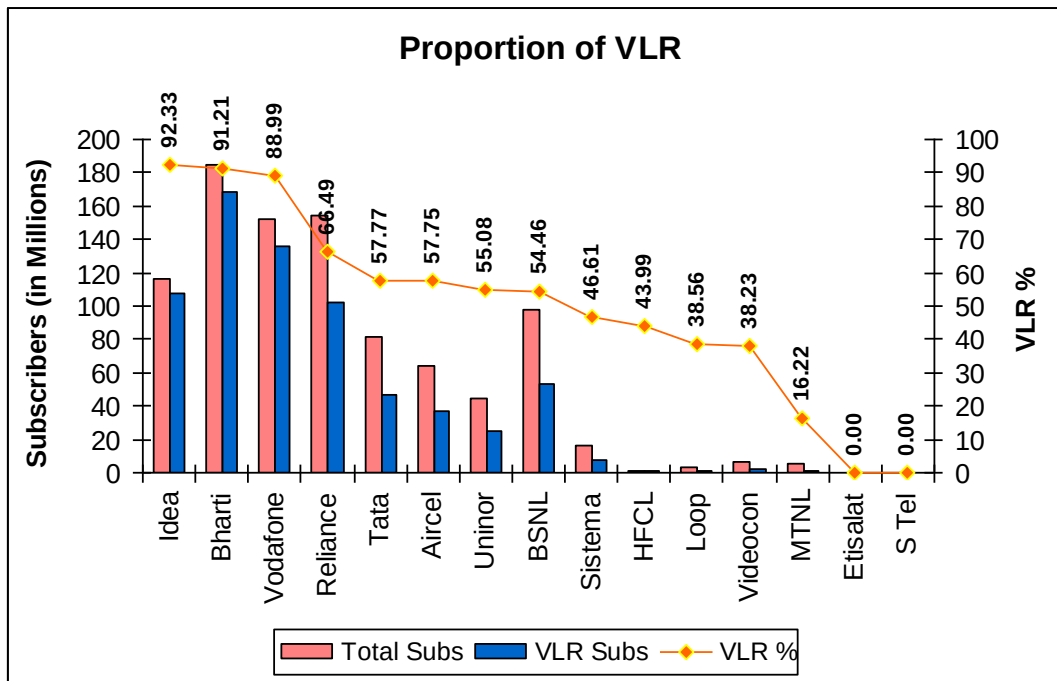
Circle-wise, J&K has the highest proportion of VLR subscribers with 84.73% followed by Assam (81.16%) and MP (80.65 %); Mumbai has the lowest proportion with 61.69%. Service Provider wise, Idea leads the tally with 92.33% followed by Bharti (91.21%). The detailed statistics of proportionate VLR is at 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 3.59 million.

Proportion of VLR subscribers (Service Provider wise)



IV. Mobile Number Portability

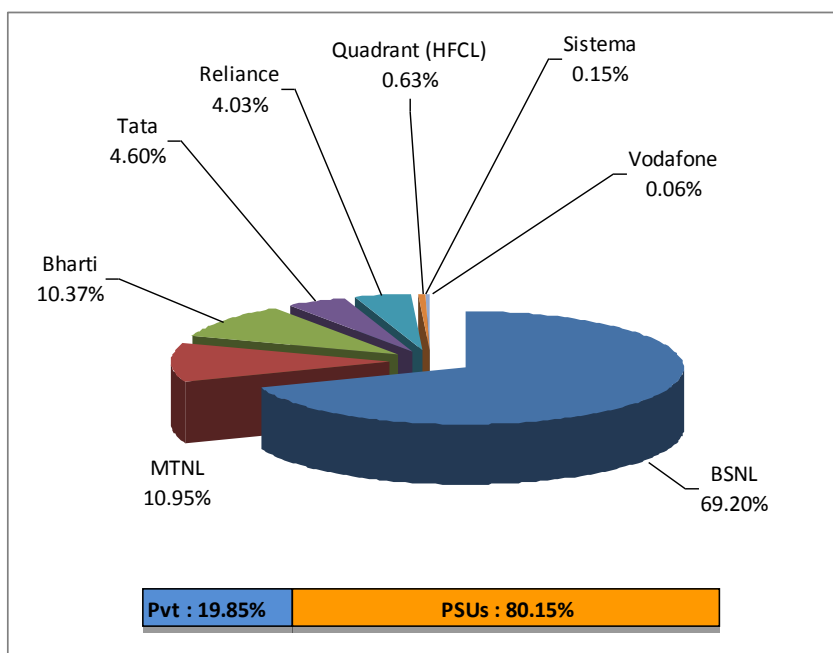
As per the data reported by the service providers, by the end of May 2012 about 50.16 million subscribers have submitted their requests to different service providers for porting their mobile number. In MNP Zone-I (Northern & Western India) maximum number of requests have been received in Rajasthan (4.62 million) followed by Gujarat (4.58 million) whereas in MNP Zone-II (Southern & Eastern) maximum number of requests have been received in Karnataka (5.82 million) followed by Andhra Pradesh Service area (4.81 million). In the month of May 2012, total number of subscribers who have submitted their request for MNP is 4.27 million. The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of May, 2012			
Zone - 1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	1928622	Andhra Pradesh	4809997
Gujarat	4579884	Assam	161342
Himachal Pradesh	219967	Bihar	983121
Haryana	2084325	Karnataka	5815371
Jammu & Kashmir	7940	Kerala	2347120
Maharashtra	4067821	Kolkata	1019767
Mumbai	1735397	Madhya Pradesh	2978919
Punjab	1838828	North East	60380
Rajasthan	4617554	Orissa	988448
Uttar Pradesh - East	2913251	Tamil Nadu	2804868
Uttar Pradesh - West	2802442	West Bengal	1397511
Total	26796031	Total	23366844
Total (Zone-1 + Zone-2)			50162875
Net Addition (in May 2012)			4272844

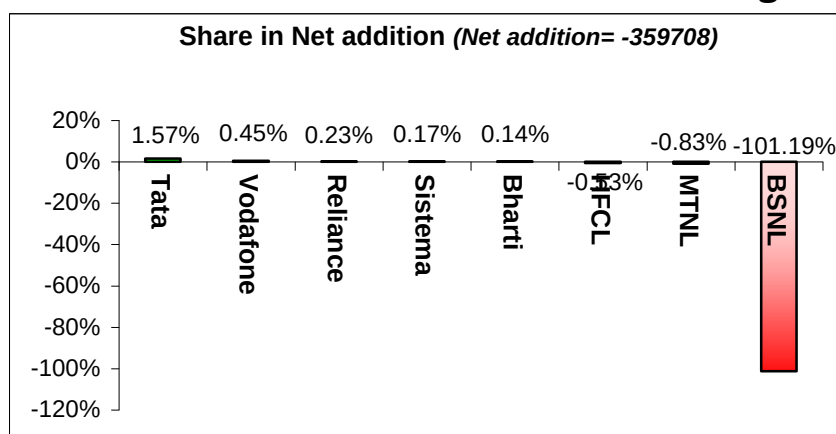
v. Wireline Segment

Wireline subscriber base declined from 31.89 Million at the end of April 2012 to 31.53 Million at the end of May 2012. Net reduction in wireline subscriber base was 3,59,708. The share of Urban Subscribers has increased from 76.72% to 76.82% where as share of Rural Subscribers has declined from 23.28% to 23.18%. The overall wireline Teledensity has marginally decreased from 2.63 in April 2012 to 2.60 in May 2012, with Urban and Rural Teledensity being 6.60 and 0.87 respectively. BSNL and MTNL, two PSU operators hold 80.15% of the Wireline market share. Detailed statistics is at Annexure-III. The graphical presentation of market share of all service providers as on 31st May 2012 is given below:

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



B. Wireline Service Providers' share in net addition during May 2012:



VI. Category wise Growth

- As can be seen from the following tables, while the Circles in Category B show the highest net addition, the Circles in Category C shows the highest rate of monthly growth in the wireless sector from April 2012 to May 2012. In wireline segment, the Circles in Category A have shown the highest reduction in subscriber base while the Circles in Category C show the highest monthly rate of reduction.

Category wise Net Additions and subscriber base

Category	Net Additions during the month of May, 2012		Subscriber Base as on 31 st May, 2012	
	Wireline	Wireless	Wireline	Wireless
Circle A	-189012	2333851	12422487	327515631
Circle B	-108934	3921667	10089731	371151939
Circle C	-63768	1351940	1923581	126572983
Metro	2005.71	739176	7097176	104125882
All India	-359708	8346634	31532976	929366435

Category-wise Growth Rate in Access Service

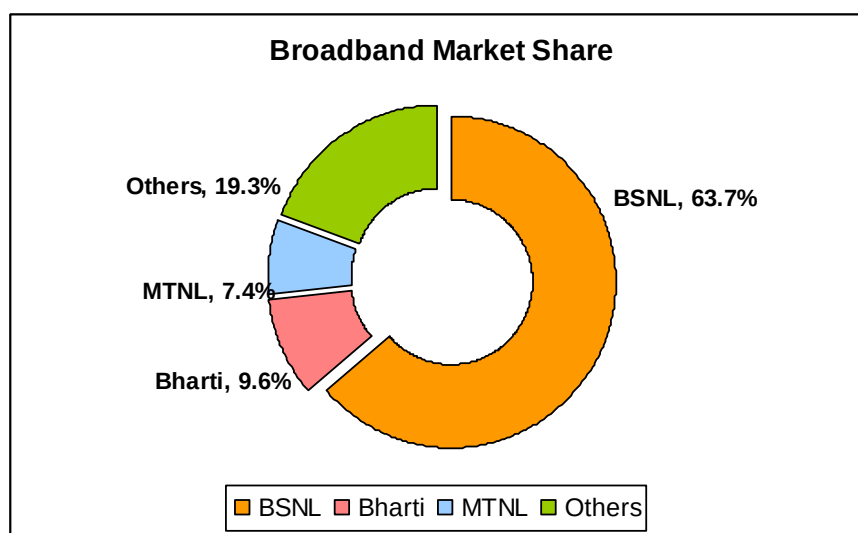
Category	Monthly Rate of Growth (Apr-2012 to May-2012)		Yearly rate of growth (May-2011 to May-2012)	
	Wireline	Wireless	Wireline	Wireless
Circle A	-1.50%	0.72%	-6.05%	10.57%
Circle B	-1.07%	1.07%	-9.26%	11.93%
Circle C	-3.21%	1.08%	-32.12%	12.67%
Metro	0.03%	0.71%	-1.78%	3.97%
All India	-1.13%	0.91%	-8.34%	10.60%

- 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 13.95 million at the end of April 2012 to 14.31 million at the end of May 2012, thereby showing a monthly growth of 2.60%. Yearly growth in broadband subscribers is 18.06% during the last one year (June 2011 to May 2012).

As on 31st May 2012, there are 156 Internet Service Providers (ISPs) which are providing broadband services in the country. Top five ISPs in terms of market share (based on subscriber base) are: BSNL (9.12 million), Bharti Airtel (1.37 million), MTNL (1.06 million), You Broadband (0.60 million) and Hathway (0.36 million).



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Advisor (F & EA)

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	
	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12
Andhra Pradesh	18539788	18679836	9676227	8136346	6308503	6270455	7721973	7825568	10178307	10294786	1668427	1744165
Assam	3759878	3799378	2941615	2984741	2224564	2309846	127423	128337	320429	335249	3717603	3771391
Bihar	17732686	18025925	9811481	9823750	6086019	6262209	4956909	4968971	5754839	5944765	5364681	5350257
Delhi	8818153	8885121	8958121	9204039	8696254	8778280	4605318	4516814	4762587	4866369	2569855	2698712
Gujarat	7062371	7213659	8230249	8434141	16187631	16032077	3719552	3755897	8294431	8383355	730327	770338
Haryana	2472639	2483234	4263681	4320744	4533628	4546396	2904417	2930530	3861041	3869529	567743	584752
Himachal Pradesh	1861569	1872335	1948881	1896927	471645	484269	398929	403743	467253	477999	733240	736005
J & K	2112537	2148764	557259	561353	716112	717887	111493	111129	187888	192731	1682408	1749242
Karnataka	15468507	15645090	8075798	8352387	6823730	6854983	7115708	7324007	5720390	5790809	1255868	1263632
Kerala	3574844	3602889	4310507	4357425	5912936	5978008	2452770	2406801	7477237	7540664	1902561	1852675
Kolkata	3882463	3893000	5366386	5602243	4300315	4270427	3019225	3073675	1336205	1338618	1893034	1860604
Madhya Pradesh	9728966	9918789	12013872	12882965	4137070	4247390	4849309	4830024	14037380	14330482	978147	1012868
Maharashtra	9968936	10127271	10988737	11322599	13003330	13178400	8427375	8372129	15189665	15294250	1066758	1116543
Mumbai	3738188	3748709	8886634	8836374	5817777	5826799	4371835	4336685	2828449	2871872	1282313	1302414
North East	2351038	2423281	998825	984146	941789	979593	75202	76967	214549	218076	2459919	2418523
Orissa	6460022	6529593	4631410	4653597	2618054	2648169	2466388	2501732	1050495	1054471	2929909	2843453
Punjab	6973022	6982024	5004222	4097846	4527359	4568041	3191032	3122023	5543476	5596731	939971	968341
Rajasthan	14546216	14679279	7727629	7338401	9157123	9230201	3818746	3665805	4263223	4383118	1855687	2034203
Tamil Nadu (incl. Chennai)	13482672	13561027	8589068	8940053	12336630	12364531	4712605	4856922	2165488	2179223	21966769	22140683
U.P.(E)	14886051	15143698	12740473	13108795	15156925	15399111	4622337	4765645	7765394	8063123	2791794	2972795
U.P.(W)	6666880	6708970	10076587	10380443	9584516	9773537	4695629	4693732	10550903	10648195	2116030	2152649
West Bengal	9202693	9228421	7750762	7836706	11742493	11766661	2865557	2870351	2240039	2291189	3113231	3048179
Total	183290119	185300293	153548424	154056021	151284403	152487270	81229732	81537487	114209668	115965604	63586275	64392424
Net Addition		2010174		507597		1202867		307755		1755936		806149

Wireless Subscriber Base

Annexure-I

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Circle	Group											
	BSNL		MTNL		Uninor		Sistema		Loop		Videocon	
	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12
Andhra Pradesh	9018553	9022124	0	0	3716767	3941629	679241	684483	0	0	9877	9877
Assam	1272186	1270652	0	0	340	387	1184	1196	0	0	0	0
Bihar	5993174	6025050	0	0	4885287	4914340	1637531	1630747	0	0	18872	18868
Delhi	0	0	2785744	2803850	0	0	1222621	1198408	0	0	0	0
Gujarat	4243909	4198590	0	0	3851932	4008642	169546	182326	0	0	1310663	1341986
Haryana	3003170	3009436	0	0	576	659	222078	238090	0	0	965860	1014820
Himachal Pradesh	1450068	1462490	0	0	172	171	69	75	0	0	77126	77054
J & K	1068335	1088955	0	0	237	289	22	22	0	0	0	0
Karnataka	6980979	6958741	0	0	2136161	2165689	2206161	2263223	0	0	9734	8396
Kerala	7191040	7262335	0	0	706986	742113	626149	611582	0	0	150651	150651
Kolkata	2405768	2416083	0	0	1825889	1894211	889043	893897	0	0	4088	4096
Madhya Pradesh	4865244	4812189	0	0	986	1158	2367	2542	0	0	1250776	1264621
Maharashtra	5783227	5956990	0	0	4837513	4887291	726106	733675	0	0	10957	8821
Mumbai	0	0	2944705	2754648	1459806	1494773	535524	551888	3252749	3260585	927657	942688
North East	1639666	1657815	0	0	71	72	185	172	0	0	0	0
Orissa	4456262	4460597	0	0	1464003	1563893	639	661	0	0	10673	10673
Punjab	4657590	4317368	0	0	717	1126	911	968	0	0	0	0
Rajasthan	5673708	5666008	0	0	1029	1056	2434964	2513881	0	0	9105	8443
Tamil Nadu (incl. Chennai)	9556790	9569039	0	0	2313361	2371433	1630722	1636223	0	0	1313761	1341291
U.P.(E)	10060102	10056126	0	0	7170149	7633503	568407	585877	0	0	14883	14882
U.P.(W)	4842361	4863549	0	0	5164131	5287439	580916	603680	0	0	6067	6067
West Bengal	3632806	3638992	0	0	4015527	4166621	1873609	1928771	0	0	17209	17208
Total	97794938	97713129	5730449	5558498	43551640	45076495	16007995	16262387	3252749	3260585	6107959	6240442
Net Addition		-81809		-171951		1524855		254392		7836		132483

Wireless Subscriber Base

Annexure-I

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Circle	Group						Total		Net Add.
	S-Tel		Quadrant (HFCL)		Etisalat				
	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	
Andhra Pradesh	0	0	0	0	0	0	67517663	66609269	-908394
Assam	0	0	0	0	0	0	14365222	14601177	235955
Bihar	0	0	0	0	0	0	62241479	62964882	723403
Delhi	0	0	0	0	0	0	42418653	42951593	532940
Gujarat	0	0	0	0	0	0	53800611	54321011	520400
Haryana	0	0	0	0	0	0	22794833	22998190	203357
Himachal Pradesh	0	0	0	0	0	0	7408952	7411068	2116
J & K	0	0	0	0	0	0	6436291	6570372	134081
Karnataka	0	0	0	0	0	0	55793036	56626957	833921
Kerala	0	0	0	0	0	0	34305681	34505143	199462
Kolkata	0	0	0	0	0	0	24922416	25246854	324438
Madhya Pradesh	0	0	0	0	0	0	51864117	53303028	1438911
Maharashtra	0	0	0	0	0	0	70002604	70997969	995365
Mumbai	0	0	0	0	0	0	36045637	35927435	-118202
North East	0	0	0	0	0	0	8681244	8758645	77401
Orissa	0	0	0	0	0	0	26087855	26266839	178984
Punjab	0	0	1425450	1515800	0	0	32263750	31170268	-1093482
Rajasthan	0	0	0	0	0	0	49487430	49520395	32965
Tamil Nadu (incl. Chennai)	0	0	0	0	0	0	78067866	78960425	892559
U.P.(E)	0	0	0	0	0	0	75776515	77743555	1967040
U.P.(W)	0	0	0	0	0	0	54284020	55118261	834241
West Bengal	0	0	0	0	0	0	46453926	46793099	339173
Total	0	0	1425450	1515800	0	0	921019801	929366435	8346634
Net Addition		0		90350		0		8346634	

Proportion of VLR on the date of Peak VLR in the month of May, 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	66.72	92.46	71.82	0.00		92.37			67.44		54.64	61.99	54.66	1.12	73.72	77.94
Assam	79.13	96.09	64.64			89.77	0.00		67.35	0.00	99.16	73.59			85.98	81.16
Bihar	45.42	97.29	35.22	0.00		94.16			76.10	0.00	38.23	51.40	54.75	1.83	98.66	74.98
Delhi	54.20	79.87		0.00		85.58		1.42	74.40		27.47	50.01			90.06	70.09
Gujarat	70.88	87.89	57.15	0.00		90.08			64.76		41.36	59.04	56.67	41.13	88.87	76.70
Haryana	42.72	91.43	51.39			89.61			50.14			61.15		40.93	92.12	70.25
Himachal Pradesh	49.50	97.02	73.36			97.42			67.81		190.67	37.47		8.48	103.43	76.44
J & K	84.24	97.59	67.77			90.51			72.07			72.58			83.39	84.73
Karnataka	53.32	94.30	53.57	0.00		90.68			61.58		58.03	61.31	50.48	0.42	80.55	74.36
Kerala	61.09	87.83	65.50	0.00		95.13			56.45		49.92	58.82	36.08	8.65	84.57	73.28
Kolkata	60.83	83.99	33.00			71.82	0.00		68.75		50.26	70.31	45.61		86.32	68.02
Madhya Pradesh	46.91	91.74	55.35	0.00		100.33	0.00		73.03		46.81	66.02		44.26	75.68	80.65
Maharashtra	49.97	83.79	73.61	0.00		97.42			64.73		51.00	64.47	65.72	2.03	91.79	79.91
Mumbai	50.85	81.10		0.00		79.21	38.56	31.29	68.45		24.13	48.46	48.72	35.10	81.09	61.69
North East	70.76	95.18	53.72			86.90	0.00		63.29	0.00		74.44			84.56	75.43
Orissa	51.71	94.15	56.79			65.00	0.00		63.16	0.00	85.48	58.01	50.85	0.60	85.83	69.65
Punjab	55.29	91.40	55.69	0.00	43.99	91.01	0.00		62.95		38.02	57.19			89.27	75.47
Rajasthan	87.63	90.47	49.60	0.00		104.03	0.00		65.41		43.93	57.87		3.96	92.47	78.74
Tamil Nadu	52.50	93.87	47.38	0.00		65.44			54.93		51.18	52.35	40.70	37.76	89.80	64.82
U.P.(E)	68.50	94.90	43.97	0.00		91.95			66.35		37.25	54.10	62.18	2.18	93.13	75.67
U.P.(W)	58.41	82.36	48.46	0.00		90.74			61.05		40.28	55.25	54.64	1.09	92.38	72.38
West Bengal	58.44	90.69	48.25			81.87			78.57		58.87	42.56	51.58	1.02	93.32	75.71
Total	57.75	91.21	54.46	0.00	43.99	92.33	38.56	16.22	66.49	0.00	46.61	57.77	55.08	38.23	88.99	74.17

Wireline Subscriber Base

Annexure-III

	Group																			
Circle	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant (HFCL)		Sistema		Vodafone		Total		Net Add.	
	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12	Apr-12	May-12		
Andhra Pradesh	1956092	1935846			125368	125387	88972	89061	174044	174341					2850	3090	2347326	2327725	-19601	
Assam	225610	200833							2625	2627							228235	203460	-24775	
Bihar	570577	547895					4859	4919	10459	10487							585895	563301	-22594	
Delhi			1565146	1567777	1079140	1079303	183496	183728	80243	80311					5340	5940	2913365	2917059	3694	
Gujarat	1594198	1588543			55263	55272	108793	108281	65774	65556					60	90	1824088	1817742	-6347	
Haryana	539097	535648			23893	23896	4975	5034	20299	21739							588264	586317	-1946	
Himachal Pradesh	300272	298222					4462	4462	2014	2025							306748	304709	-2039	
J & K	203933	203609						0	339	339							204272	203948	-324	
Karnataka	1888965	1745544			490528	490602	110747	111051	126656	127081					1860	2100	2618756	2476378	-142378	
Kerala	3059251	3050733			55782	55791	56310	56452	12393	12342							3183736	3175318	-8419	
Kolkata	964238	967349			93655	93669	81051	81042	32295	32264					840	840	1172079	1175164	3085	
Madhya Pradesh	846379	841379			241186	241222	34218	33772	12286	12643					30	30	1134099	1129046	-5053	
Maharashtra	2233675	2225940			70141	70151	102265	102572	234999	237029					300	390	2641380	2636082	-5297	
Mumbai			1892163	1886543	330929	330978	231556	232062	549589	549730					5490	5640	3009727	3004953	-4773	
North East	251959	251798							237	237							252196	252035	-161	
Orissa	398659	384660					4135	4138	7179	7240					30	90	410003	396128	-13875	
Punjab	1086679	1084402			105691	105707	30783	30306	15455	15960	200999	199103			120	150	1439727	1435628	-4099	
Rajasthan	1039054	1024683			39260	39266	26090	26243	5920	5996			47293	47896	90	120	1157707	1144204	-13503	
Tamil Nadu (incl. Chennai)	2480506	2464244			484689	484762	148329	148618	65766	66127					660	810	3179950	3164561	-15389	
U.P.(E)	1146544	1099707			50424	50432	40921	41026	13608	13659							1251497	1204824	-46673	
U.P.(W)	756063	753129			24254	24258	5314	5319	7849	7986							793480	790692	-2788	
West Bengal	641919	615500					2176	2184	6060	6019							650155	623703	-26452	
Total	22183670	21819664	3457309	3454320	3270202	3270695	1269452	1270270	1446089	1451738	200999	199103	47293	47896	17670	19290	31892684	31532976	-359708	
Net Addition		-364006		-2989		493		818		5649		-1896		603		1620		-359708		

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.
