

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 18th November, 2015

(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 30th September, 2015**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	996.66	25.95	1,022.61
Net Addition in September, 2015 (Million)	8.49	-0.06	8.43
Monthly Growth Rate	0.86%	-0.23%	0.83%
Urban Telephone Subscribers (Million)	577.82	21.18	599.01
Net Addition in September, 2015 (Million)	7.81	-0.01	7.80
Monthly Growth Rate	1.37%	-0.06%	1.32%
Rural Telephone Subscribers (Million)	418.84	4.77	423.61
Net Addition in September, 2015 (Million)	0.68	-0.05	0.64
Monthly Growth Rate	0.16%	-0.97%	0.15%
Overall Tele-density*	78.93	2.06	80.98
Urban Tele-density*	147.35	5.40	152.76
Rural Tele-density*	48.11	0.55	48.66
Share of Urban Subscribers	57.98%	81.62%	58.58%
Share of Rural Subscribers	42.02%	18.38%	41.42%
Broadband Subscribers (Million)	104.75	16.13	120.88

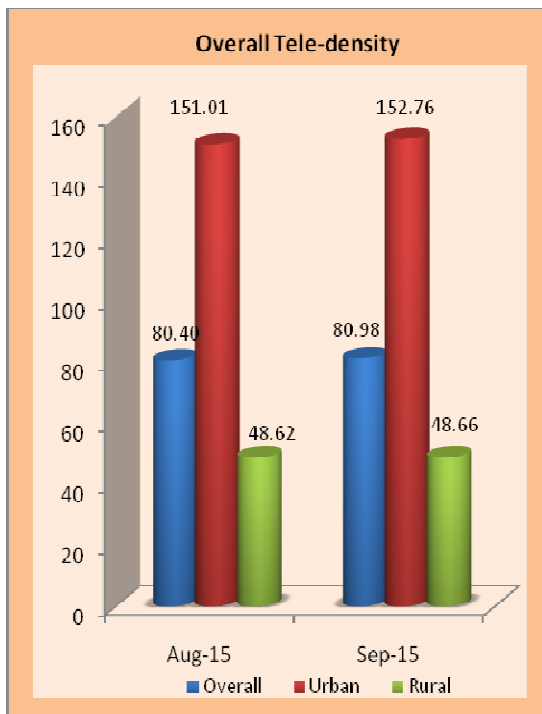
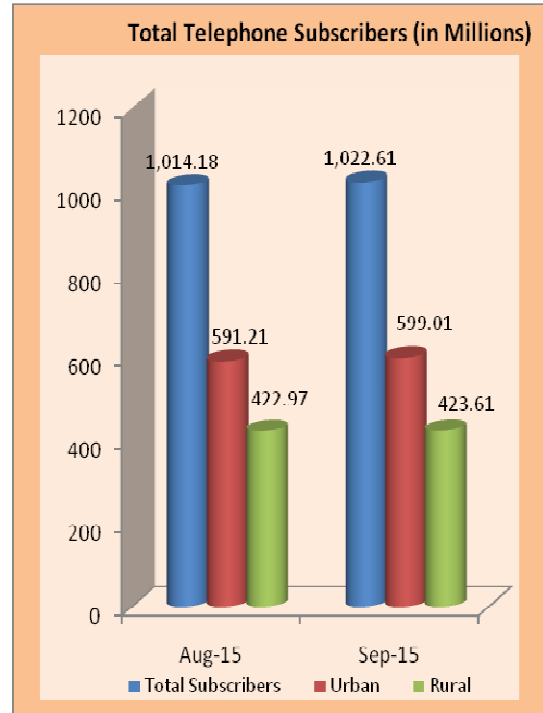
- ❖ In the month of September, 2015, 4.17 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 172.22 million at the end of August, 2015 to 176.39 million at the end of September, 2015.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in September, 2015 was 893.73 million.

Note:

- Information in this Press Release is based on the data provided by the Service Providers
- * Based on the population projections from Census data published by the Office of Registrar General & Census Commissioner of India.
- # VLR is acronym of Visitor Location Register. The dates of peak VLR for various TSPs are different in different service areas.

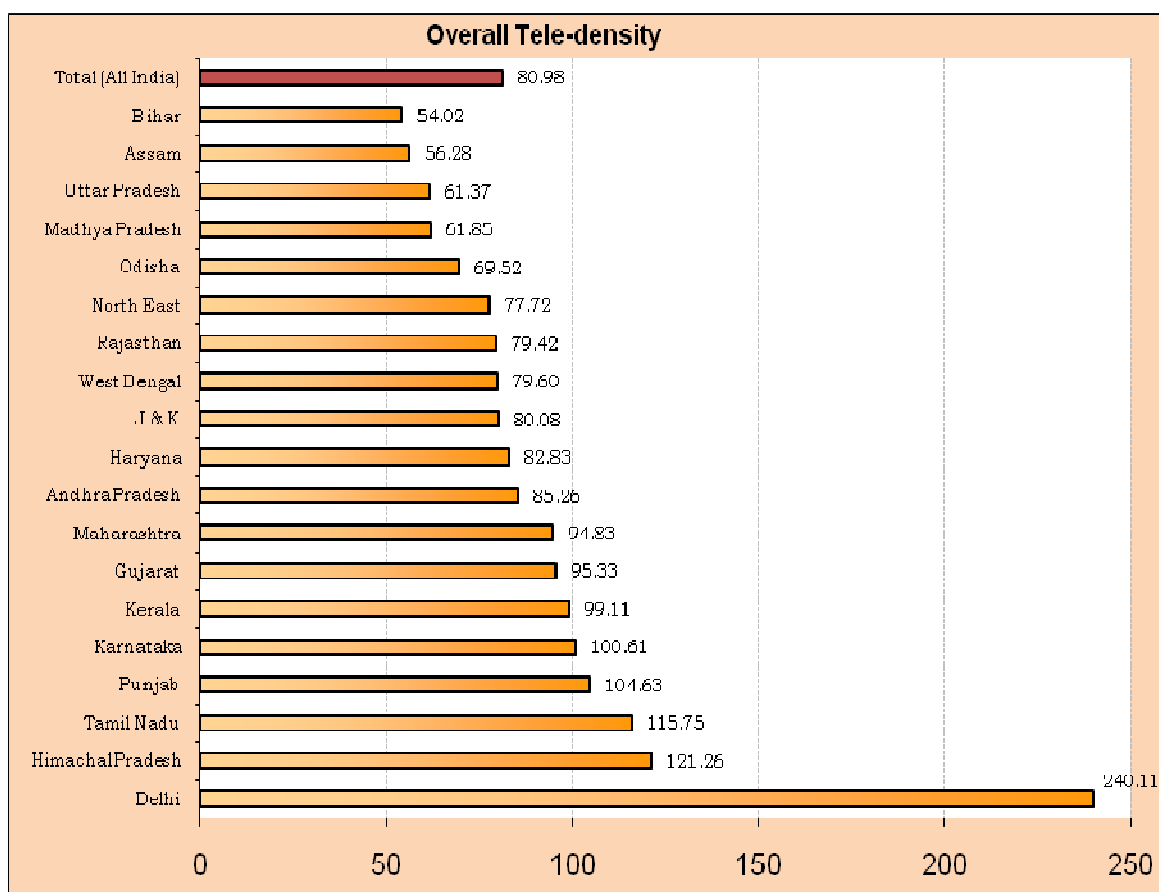
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,014.18 million at the end of Aug-15 to 1,022.61 million at the end of Sep-15, thereby showing a monthly growth rate of 0.83%. The urban subscription increased from 591.21 million at the end of Aug-15 to 599.01 million at the end of Sep-15 and the rural subscription increased from 422.97 million to 423.61 million during the same period. The monthly growth rates of urban and rural subscription were 1.32% and 0.15% respectively during the month of Sep-15.



- The overall Tele-density in India increased from 80.40 at the end of Aug-15 to 80.98 at the end of Sep-15. The Urban Tele-density increased from 151.01 at the end of Aug-15 to 152.76 at the end of Sep-15. The Rural Tele-density increased from 48.62 at the end of Aug-15 to 48.66 at the end of Sep-15. The shares of urban subscribers and rural subscribers at the end of Sep-15 were 58.58% and 41.42% respectively.

Overall Tele-density (Circle/State Wise) – As on 30th September, 2015

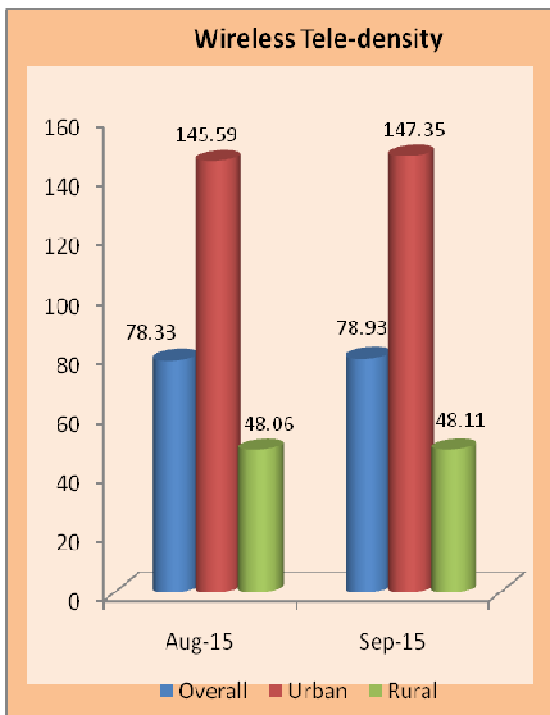
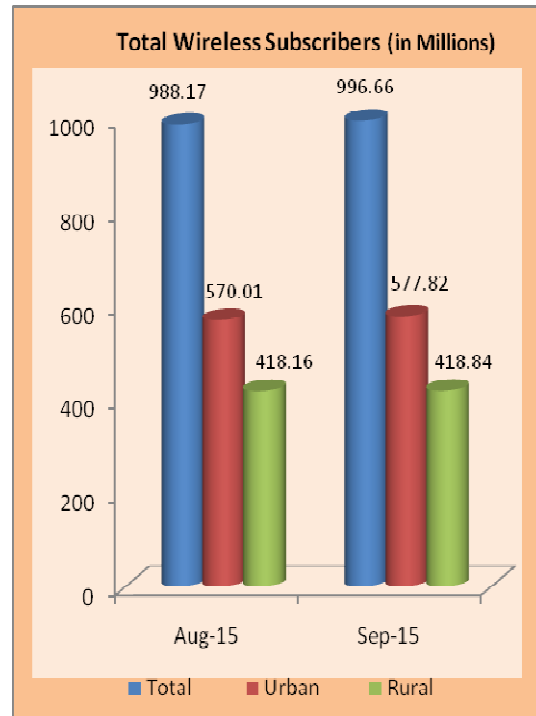


Notes:

1. Population data/projections are available state wise only.
2. Tele-density figures are derived from the telephone subscriber data provided by the access service providers and the projections of population published by the Office of the Registrar General & Census Commissioner, India.
3. Telephone subscriber data for Delhi, includes, apart from the data for the State of Delhi, wireless subscriber data for the areas served by the local exchanges of Ghaziabad & Noida (in Uttar Pradesh) and Gurgaon & Faridabad (in Haryana). West Bengal includes Kolkata, Maharashtra includes Mumbai and Tamil Nadu includes Chennai.

II. Wireless Subscribers

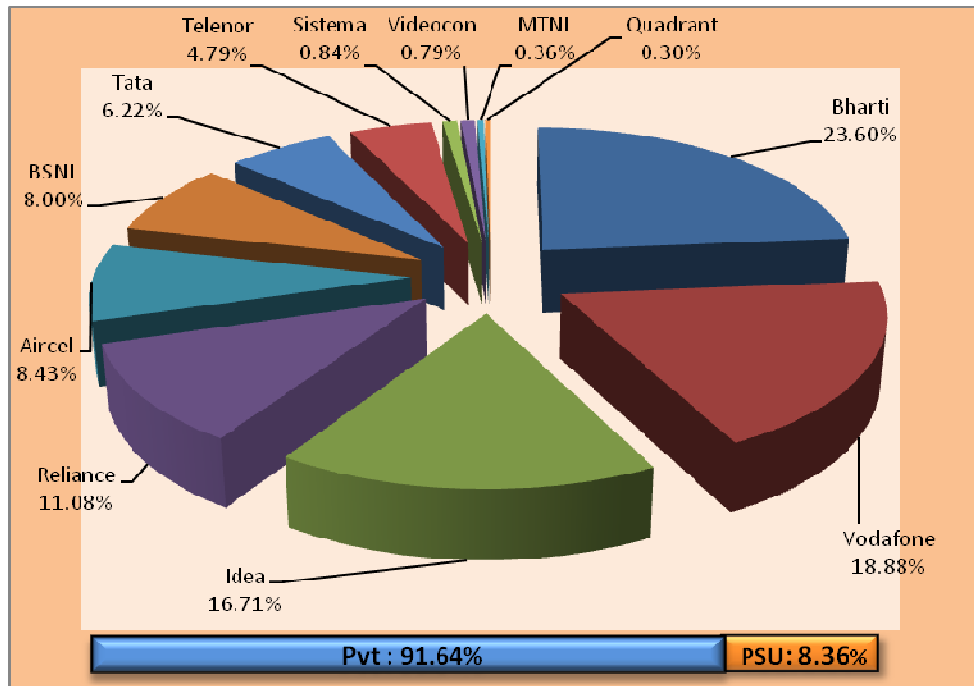
- Total wireless subscriber base increased from 988.17 million at the end of Aug-15 to 996.66 million at the end of Sep-15, thereby registering a monthly growth rate of 0.86%. The Wireless subscription in urban areas increased from 570.01 million at the end of Aug-15 to 577.82 million at the end of Sep-15, and wireless subscription in rural areas increased from 418.16 million to 418.44 million during the same period. The monthly growth rates of urban and rural wireless subscription were 1.37% and 0.16% respectively.



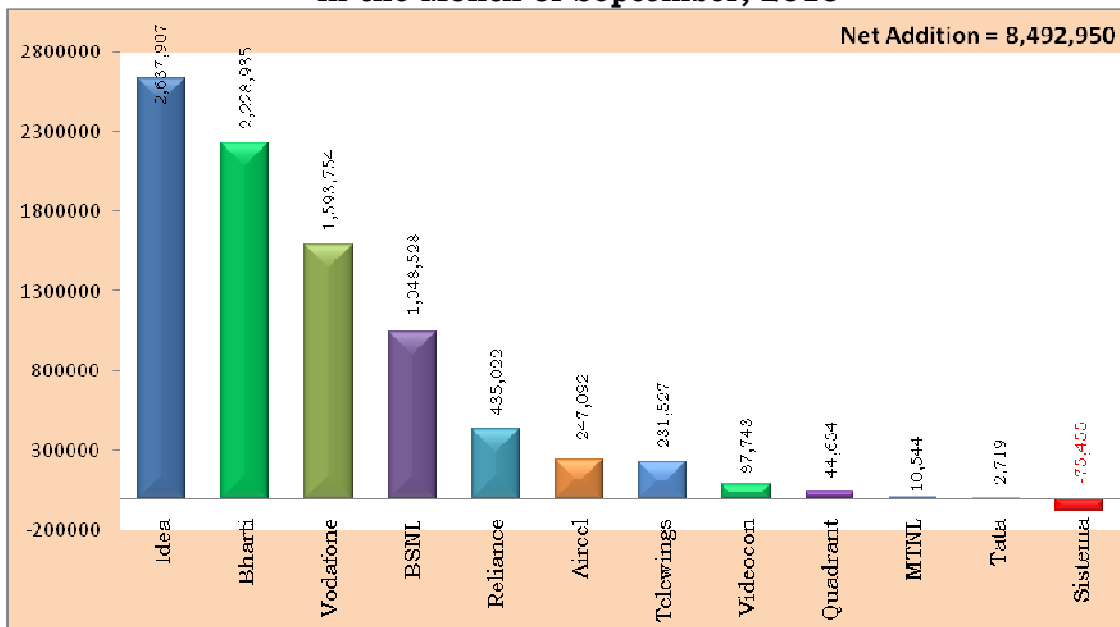
- The Wireless Tele-density in India increased from 78.33 at the end of Aug-15 to 78.93 at the end of Sep-15. The Urban Wireless Tele-density increased from 145.59 to 147.35, and Rural Wireless Tele-density increased from 48.06 to 48.11 in the month of Sep-15. The shares of urban and rural wireless subscribers were 57.98% and 42.02% respectively at the end of Sep-15. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 30th September, 2015, the private access service providers held 91.64% market share of the wireless subscribers whereas BSNL and MTNL, the two PSUs access service providers, held only 8.36% market share. The graphical representations of access service provider-wise market shares and net additions in wireless subscriber bases are given below:

Access Service Provider-wise Market Shares in the Wireless Subscribers as on 30th September, 2015



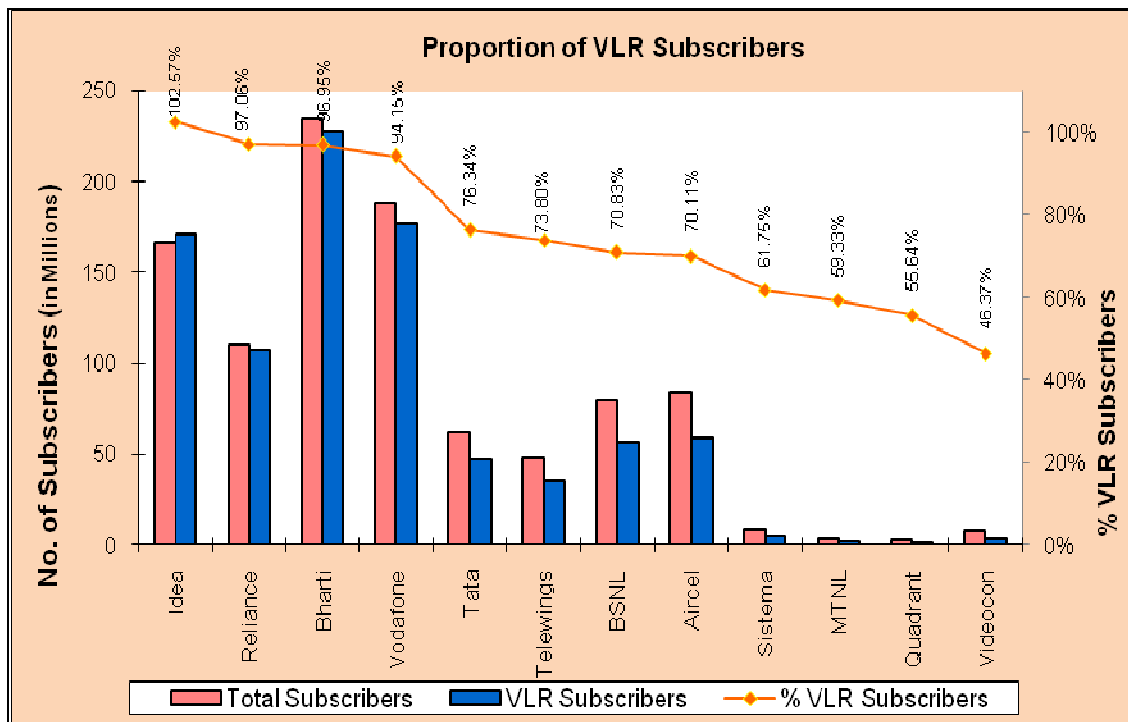
Net Additions in Wireless Subscriber Bases of Access Service Providers in the Month of September, 2015



III. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscriber base (996.66 million), 893.73 million wireless subscribers were active on the date of peak VLR in the month of Sep-15. The proportion of active wireless subscribers was approximately 89.67% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of Sep-15 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

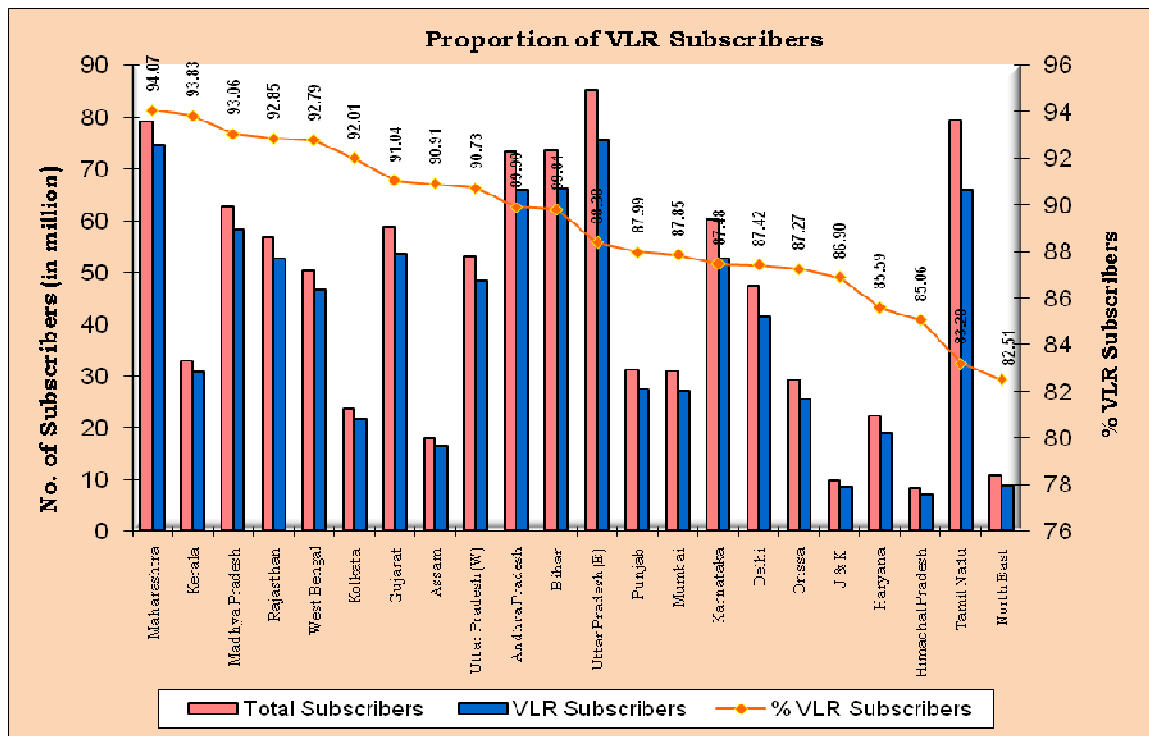
Access Service Provider-wise Proportion of VLR Subscribers in the Month of September, 2015



Note-

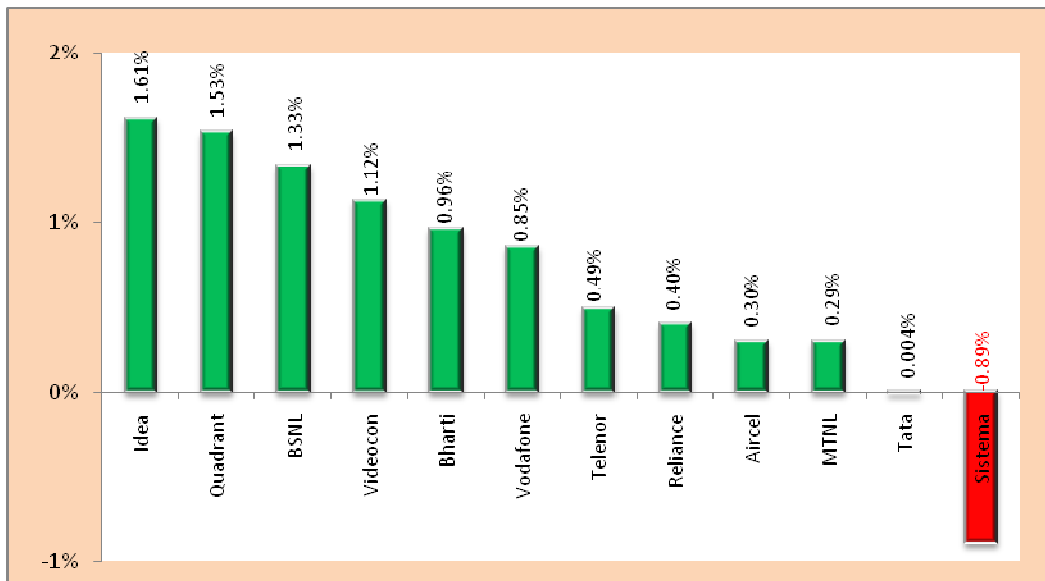
1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.

**Proportion of VLR Subscribers (Service Area-wise)
in the Month of September, 2015**



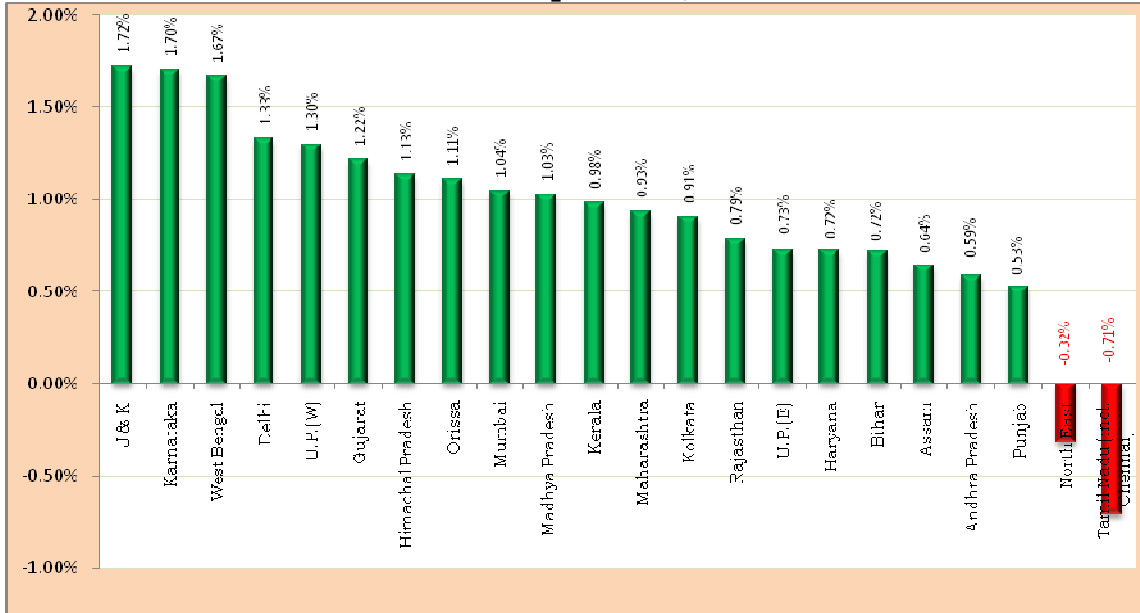
IV. Growth in Wireless Subscribers

**Monthly Growth Rate of Wireless Subscribers (Access Service Provider-wise)
in the Month of September, 2015**



Note : In the press release for the month of August, 2015, growth rate of M/s Tata may be read as 0.49% in place of 1.34%.

Monthly Growth Rate of Wireless Subscribers (Service Area-wise) in the Month of September, 2015



- J&K service area recorded the highest growth rate in wireless subscribers during the month of Sep-15. North-East and Tamil Nadu (incl. Chennai) service areas showed decline in subscriber base during the month.

V. Mobile Number Portability (MNP)

- Inter-Service Area MNP has been implemented in the country w.e.f. 03.07.2015. Now, the wireless telephone subscribers can retain their mobile numbers when they relocate from one service area to another.
- In the month of Sep-15, a total of 4.17 million subscribers submitted their requests for MNP. With this, the cumulative MNP requests increased from 172.22 million at the end of Aug-15 to 176.39 million at the end of Sep-15.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 16.27 million) followed by Gujarat (about 13.89 million). In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 20.54 million) followed by Andhra Pradesh (about 17.02 million).

- The status of MNP requests in various service areas is given below:

Service Area Wise MNP Status at the end of September, 2015			
Zone -1		Zone - 2	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	7026965	Andhra Pradesh	17017670
Gujarat	13891891	Assam	581457
Haryana	6414128	Bihar	4539663
Himachal Pradesh	603720	Karnataka	20540850
Jammu & Kashmir	43815	Kerala	5826294
Maharashtra	13236293	Kolkata	4119714
Mumbai	9799031	Madhya Pradesh	11276627
Punjab	6185873	North East	324962
Rajasthan	16266679	Orissa	3412362
Uttar Pradesh - East	8513046	Tamil Nadu	11010574
Uttar Pradesh - West	8516592	West Bengal	7243616
Total	90,498,033	Total	85,893,789
Total (Zone-1 + Zone-2)		176,391,822*	
Net Addition (in September, 2015)		4,169,160	

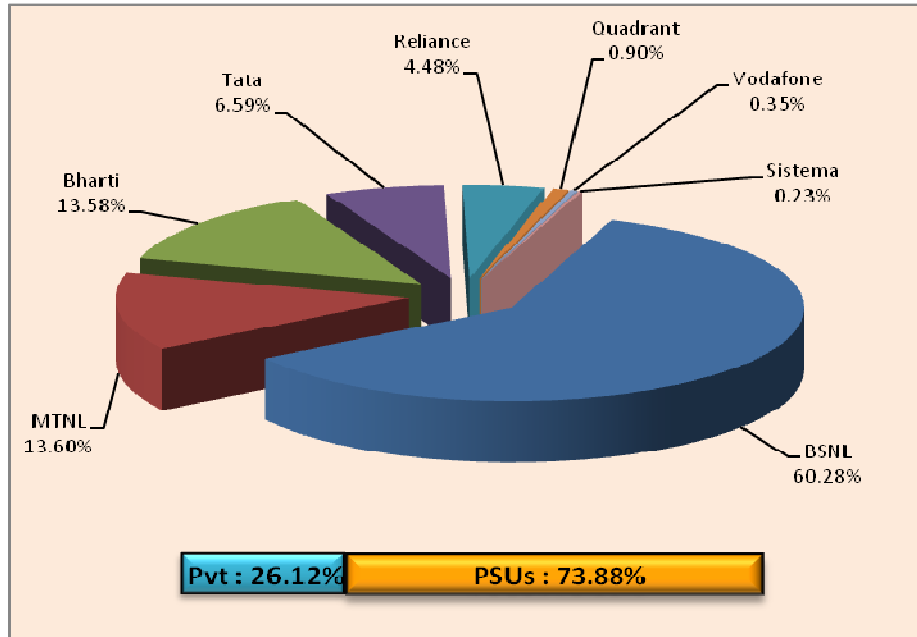
*The figure is inclusive of 0.66 Million MNP requests for Inter-Service Area MNP

VI. Wireline Subscribers

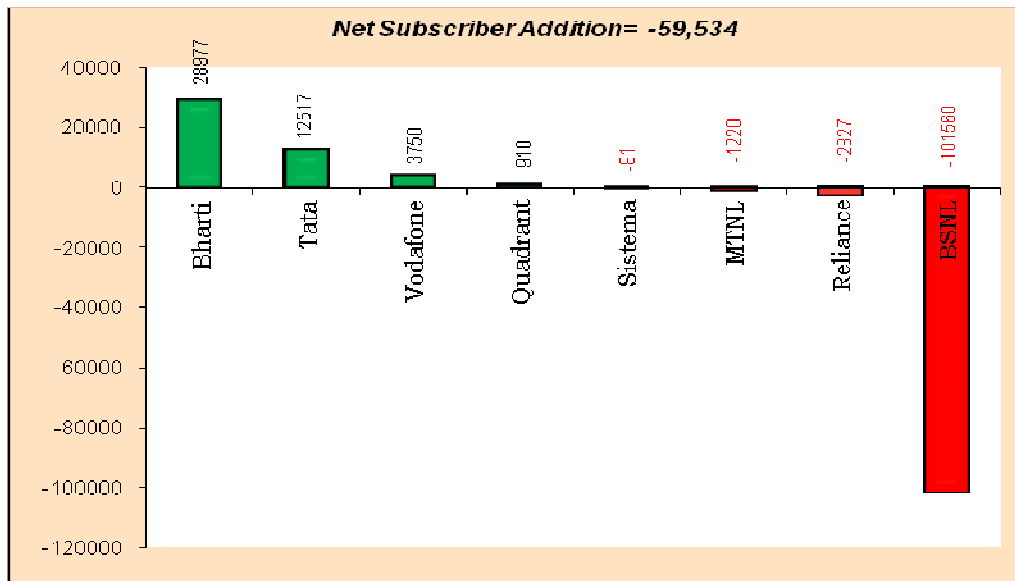
- Wireline subscriber base declined from 26.01 million at the end of Aug-15 to 25.95 million at the end of Sep-15. Net reduction in the wireline subscriber base was 0.06 million at the monthly decline rate of 0.23%. The share of urban and rural subscribers in total wireline subscribers were 81.62% and 18.38% respectively at the end of Sep-15.
- The Overall Wireline Tele-density more or less remained same at 2.06 in Sep-15 as compared to last month. Urban Wireline Tele-density and Rural Wireline Tele-density being 5.40 and 0.55 respectively. BSNL and MTNL, the two PSU access service providers, held 73.88% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.

- The graphical representations of access service provider-wise market shares in the wireline segment and net additions in wireline subscriber bases in the month of Sep-15 are given below:

Access Service Provider-wise Market Shares in the Wireline Subscribers as on 30th September, 2015



Net Additions/declines in Wireline Subscriber Bases of Access Service Providers in the Month of September, 2015



VII. Category-wise Growth

Circle Category-wise Net Additions in Telephone Subscribers

Circle Category	Net additions in the month of September, 2015		Telephone Subscriber base as on 30 th September, 2015	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-2,821	2,313,775	10,369,206	350,848,915
Circle B	-45,478	3,844,123	7,156,932	394,486,907
Circle C	-9,709	1,183,319	1,272,967	14,954,7861
Metro	-1,526	1,151,733	7,154,736	101,776,198
All India	-59,534	8,492,950	25,953,841	996,659,881

Circle Category-wise Growth Rates in Telephone Subscribers

Circle Category	Monthly growth rate (%) (Aug-15 to Sep-15)		Yearly growth rate (%) (Sep-14 to Sep-15)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.03	0.66	-10.60	5.01
Circle B	-0.63	0.98	-19.76	7.40
Circle C	-0.76	0.80	-17.23	13.40
Metro	-0.02	1.14	-0.99	5.05
All India	-0.23	0.86	-11.37	7.14

Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

- As can be seen in the above tables, in wireless segment, the Circles of Category-B showed the maximum net addition and Circles in Metro showed the maximum growth rate in the month Sep-15.
- In Wireline segment, Circles of Category-B showed the highest net decline and Circles in Category-C showed the highest monthly decline rate of subscriber base in the month of Sep-15.

VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 117.34 Million at the end of Aug-15 to 120.88 million at the end of Sep-15 with monthly growth rate of 3.02%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment-wise Broadband Subscribers and Monthly Growth Rates

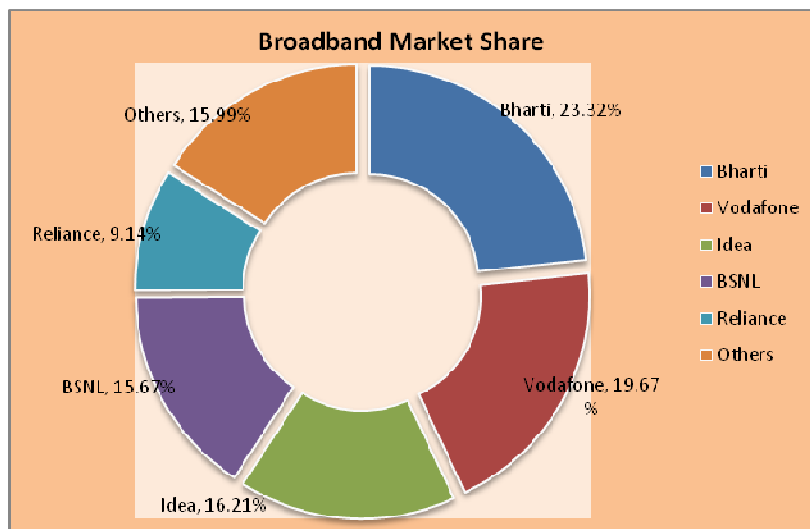
Segment	Broadband subscribers (in million)		Monthly growth rate (%)
	As on 31 st August, 2015	As on 30 th September, 2015	
Wired subscribers	16.00	16.13	0.78
Mobile devices users (Phones and dongles)	100.88	104.28	3.37
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.45	0.47	2.56
Total	117.34	120.88	3.02

- Top five service providers constituted 84.01% market share of total broadband subscribers at the end of Sep-15. These service providers were Bharti Airtel (28.19 million), Vodafone (23.78 million), Idea Cellular (19.60 million), BSNL (18.94 million) and Reliance Communications Group (11.04 million).

Note : Some wireless service providers exclude incidental data users from their subscriber base, based on minimum usage decided by them.

- The graphical representation of the service provider-wise market share of broadband services is given below:

**Service Provider-wise Market Share of Broadband
(wired+wireless) Services as on 30.09.2015**



- As on 30th September, 2015, the top five Wired Broadband Service providers were BSNL (9.93 million), Bharti Airtel (1.58 million), MTNL (1.13 million), Atria Convergence Technologies (0.80 million) and YOU Broadband (0.48 million).
- As on 30th September, 2015, the top five Wireless Broadband Service providers were Bharti Airtel (26.61 million), Vodafone (23.78 million), Idea Cellular (19.58 million), Reliance Communications Group (10.93 million) and BSNL (9.01 million).

Contact details in case of any clarification:

Ms. Vinod Kotwal, Advisor (F&EA),
Telecom Regulatory Authority of India
Mahanagar Doorsanchar Bhawan
Jawahar Lal Nehru Marg,
New Delhi – 110002,
Ph: 011-23230752
Fax: 011-23236650
E-mail: advfeal@traigov.in

Authorized to issue:

(Vinod Kotwal)
Advisor (F&EA)

Wireless Subscriber Base

Annexure-I
Page 1 of 2

Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel	
	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15
Andhra Pradesh	22527711	22651765	5372705	5403021	6945121	6954949	5421256	5420765	14550121	14728161	2792549	2773130
Assam	5411904	5439363	2406212	2422860	3262652	3271682			931202	950180	4659886	4676910
Bihar	26003991	26255322	9411246	9276362	8806036	9021101	1907108	1878619	10061099	10082178	6551982	6767721
Delhi	10904912	11166973	8266270	8316134	9767899	9804376	2674322	2654290	6123293	6166777	5636710	5892684
Gujarat	7834000	7926320	4785909	4861590	18560333	18737025	2767006	2748886	11229866	11603066	17063	17063
Haryana	2650445	2679612	2030568	2016420	5198571	5209388	2701691	2700228	4582073	4613658	3092	3092
Himachal Pradesh	2690590	2714387	1660011	1646664	668921	671176	80448	83023	755626	773320	1002112	1038137
J & K	3190655	3362957	829269	831620	1207921	1212542			576605	584390	2541382	2543768
Karnataka	20130387	20459003	5257188	5341725	7393758	7457888	7068031	7142198	8385055	8695446	2802574	2904715
Kerala	4093710	4132605	2015757	2057029	7381512	7428749	1592604	1589786	10071157	10151901	100708	130162
Kolkata	4222689	4264007	4030335	4103389	5023533	5065506	2839125	2854913	1899507	1964934	3974980	3956840
Madhya Pradesh	11828781	11925729	12365538	12404287	6473529	6546071	4657057	4698608	19819468	20069566	20694	20694
Maharashtra	12129890	12202849	4961244	4979368	17687605	17873359	6369593	6390709	22291586	22519345	2229857	2354961
Mumbai	5235230	5308280	5301331	5377053	8546231	8591838	3413400	3400692	4121913	4160799	2688019	2777718
North East	3547838	3562787	827626	833546	1396170	1412149			470970	469012	3035664	2969360
Orissa	9294353	9295656	4452899	4462298	3550575	3613188	2277197	2292735	1353816	1403371	4283637	4376787
Punjab	7789996	7754008	2234103	2208425	4924849	4969547	2568252	2592631	6282606	6349379	1012674	1014605
Rajasthan	17970152	18109749	6609103	6391909	11234300	11342176	1579232	1573198	7274670	7462231	6107104	6311196
Tamil Nadu (incl. Chennai)	16256964	16336128	6242007	6190879	14764641	14913898	5565131	5556252	5423762	5681943	22159588	21155024
U.P.(E)	18976649	19099910	8350898	8426556	17580056	17587856	4365917	4301926	9912054	10000445	6607804	6690894
U.P.(W)	7451376	7534309	5116187	5270594	10726898	10795004	3590789	3580417	13181648	13376829	399815	472183
West Bengal	12840724	13030163	7424375	7564074	15475171	15690568	581878	562880	4628636	4757709	5120797	5148139
Total	232982947	235211882	109950781	110385803	186576282	188170036	62020037	62022756	163926733	166564640	83748691	83995783
Net Addition		2228935		435022		1593754		2719		2637907		247092

Wireless Subscriber Base

Annexure-I
Page 2 of 2

Circle	Group														Net Addition
	BSNL		MTNL		Telenor		Sistema		Videocon		Quadrant		Total		
	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	
Andhra Pradesh	9532491	9534972			5692261	5796706							72834215	73263469	429254
Assam	1222821	1248183											17894677	18009178	114501
Bihar	2691162	2727938			7621338	7568660			23697	24132			73077659	73602033	524374
Delhi			2343027	2345195			1006961	998046					46723394	47344475	621081
Gujarat	3156537	3199193			7110120	7082298	228830	217126	2432110	2438014			58121774	58830581	708807
Haryana	2843272	2925099							2067967	2089984			22077679	22237481	159802
Himachal Pradesh	1439804	1464673											8297512	8391380	93868
J & K	1256885	1232634											9602717	9767911	165194
Karnataka	6817148	6875236					1365527	1352544					59219668	60228755	1009087
Kerala	6889786	6977758					392860	389847					32538094	32857837	319743
Kolkata	756955	760548					602576	591583					23349700	23561720	212020
Madhya Pradesh	3699262	3776971							3234668	3294857			62098997	62736783	637786
Maharashtra	5084869	5140969			7701796	7727851							78456440	79189411	732971
Mumbai			1245247	1253623									30551371	30870003	318632
North East	1419181	1416266											10697449	10663120	-34329
Orissa	3582051	3670204											28794528	29114239	319711
Punjab	3200842	3243036									2921924	2966558	30935246	31098189	162943
Rajasthan	3379632	3426541					2213637	2195342					56367830	56812342	444512
Tamil Nadu (incl. Chennai)	8685160	8693501					805790	809074					79903043	79336699	-566344
U.P.(E)	7703775	7857338			11174647	11322378			24788	23806			84696588	85311109	614521
U.P.(W)	3588769	3674555			8253038	8286834	176145	175549	29787	29967			52514452	53196241	681789
West Bengal	1698972	1852287					1643345	1631105					49413898	50236925	823027
Total	78649374	79697902	3588274	3598818	47553200	47784727	8435671	8360216	7813017	7900760	2921924	2966558	988166931	996659881	8492950
Net Addition		1048528		10544		231527		-75455		87743		44634		8492950	

Note : In the press release for the month of August, 2015, total number of subscribers of M/s Tata Teleservices may be read as 62,020,030 in place of 62,541,699 and the total wireless subscriber base may be read as 988,166,931 in place of 988,688,593.

Proportion of VLR on the date of Peak VLR in the month of Sep-15 (%)

Annexure-II

Circle	Aircel	Bharti	BSNL	Quadrant	Idea	MTNL	Reliance	Sistema	Tata	Telewings	Videocon	Vodafone	Total
Andhra Pradesh	59.05	100.97	64.24		103.20		98.06		84.26	71.36		86.69	89.90
Assam	87.03	97.47	83.32		96.81		81.52					93.68	90.91
Bihar	73.77	95.16	75.25		97.52		99.08		63.48	72.40	7.82	92.80	89.81
Delhi	64.36	90.57			96.63	51.80	98.43	51.48	52.55			104.16	87.42
Gujarat	2453.99	95.45	80.27		102.97		98.72	42.25	73.88	73.95	44.11	95.12	91.04
Haryana	7.92	96.37	54.83		99.85		94.49		81.01		53.12	96.67	85.59
Himachal Pradesh	54.73	89.39	78.75		107.07		91.90		35.04			92.30	85.06
J & K	88.86	100.61	74.07		97.29		60.53					70.87	86.90
Karnataka	61.97	94.99	59.53		102.28		96.70	40.55	85.82			88.80	87.48
Kerala	99.05	95.88	83.86		105.17		89.74	62.81	85.04			91.09	93.83
Kolkata	73.95	97.08	90.34		85.92		98.87	155.52	79.79			98.39	92.01
Madhya Pradesh	1.33	94.54	78.96		108.26		98.28		78.74		44.62	76.94	93.06
Maharashtra	57.13	96.38	86.74		105.09		97.65		77.82	72.75		99.62	94.07
Mumbai	55.95	96.54			96.36	73.42	99.06		78.25			87.57	87.85
North East	71.01	96.99	71.85		91.65		69.34					85.58	82.51
Orissa	60.34	96.71	80.83		100.76		98.35		72.47			92.58	87.27
Punjab	64.87	94.46	75.10	55.64	104.45		98.83		74.31			91.62	87.99
Rajasthan	60.95	104.04	76.27		102.14		99.04	58.11	105.76			93.09	92.85
Tamil Nadu (incl. Chennai)	71.33	99.29	59.72		88.88		94.88	55.77	69.70			95.62	83.20
U.P. (E)	71.34	97.29	60.63		104.66		98.38		69.10	75.99	12.20	96.33	88.38
U.P. (W)	132.35	95.10	66.78		102.05		99.06	48.42	69.97	74.66	11.43	96.02	90.73
West Bengal	70.93	96.13	79.93		106.19		98.56	63.26	44.30			96.67	92.79
Total	70.11	96.95	70.83	55.64	102.57	59.33	97.06	61.75	76.34	73.80	46.37	94.15	89.67

Note: Peak VLR figures in some circles of some of the service providers are more than their HLR figures due to a large number of inroamers.

Wireline Subscriber Base

Annexure-III

Circle	Group																Net Addition		
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone			Total	
	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15	Aug-15	Sep-15		Aug-15	Sep-15
Andhra Pradesh	1450479	1442984			131402	134392	76618	75949	162203	163048					9,180	9,330	1829882	1825703	-4179
Assam	165278	161296													1,530	1,530	166808	162826	-3982
Bihar	328120	328111					6,341	6,352	13,143	13,206					1050	1050	348654	348719	65
Delhi			1611869	1612687	1204218	1208435	176753	175538	135575	135700					21,840	21,960	3150255	3154320	4065
Gujarat	1246623	1239920			64414	66292	80136	79322	86090	86666					2,880	2,910	1480143	1475110	-5033
Haryana	330,039	321,807			17600	17879	4747	4594	36212	38667					90	60	388688	383007	-5681
Himachal Pradesh	179,146	175,191					4428	4454	2769	2798					90	90	186433	182533	-3900
J & K	136,547	133,680															136547	133680	-2867
Karnataka	1368462	1364697			568353	575106	135460	137361	197372	199281					7,890	8,370	2277537	2284815	7278
Kerala	2404148	2390043			53168	53616	34432	34045	17244	17400					900	930	2509892	2496034	-13858
Kolkata	718299	706070			112060	113456	74472	73246	49304	49968					3750	3840	957885	946580	-11305
Madhya Pradesh	774143	772643			239484	243183	21786	21767	21006	21163					270	300	1056689	1059056	2367
Maharashtra	1612616	1609562			71081	71891	82469	82117	280832	282552					10,410	10,770	2057408	2056892	-516
Mumbai			1919223	1917185	343219	343759	240812	242610	530228	533752					14,640	16,530	3048122	3053836	5714
North East	126,966	127,333													120	150	127086	127483	397
Orissa	305068	305515					3233	3261	8097	8110					750	840	317148	317726	578
Punjab	725206	711848			95571	97285	20587	20741	17459	17247	232010	232920			540	630	1091373	1080671	-10702
Rajasthan	666245	661165			42591	43193	22517	22123	10331	10334			59248	59167	1,890	1,950	802822	797932	-4890
Tamil Nadu (incl. Chennai)	2010989	2008385			473329	476293	135842	134356	99457	99912					7440	7740	2727057	2726686	-371
U.P.(E)	386286	387285			57629	58185	37207	37177	15197	15190					1,110	1,110	497429	498947	1518
U.P.(W)	417145	407279			20349	20480	6342	6342	10102	10105					420	450	454358	444656	-9702
West Bengal	395345	390776					1839	1839	3945	3984					30	30	401159	396629	-4530
Total	15747150	15645590	3531092	3529872	3494468	3523445	1166021	1163194	1696566	1709083	232010	232920	59248	59167	86820	90570	26013375	25953841	-59534
Net Addition		-101560		-1220		28977		-2827		12517		910		-81		3750		-59534	

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 service provider. 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 service provider. 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 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 Distribution Channels (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.