

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 14th August, 2017

(www.traai.gov.in)

Highlights of Telecom Subscription Data as on 30th June, 2017

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1,186.84	24.00	1,210.84
Net Addition in June, 2017 (Million)	6.02	-0.16	5.86
Monthly Growth Rate	0.51%	-0.66%	0.49%
Urban Telephone Subscribers (Million)	680.66	20.31	700.96
Net Addition in June, 2017 (Million)	4.01	-0.11	3.90
Monthly Growth Rate	0.59%	-0.52%	0.56%
Rural Telephone Subscribers (Million)	506.18	3.69	509.88
Net Addition in June, 2017 (Million)	2.01	-0.05	1.96
Monthly Growth Rate	0.40%	-1.43%	0.39%
Overall Tele-density*(%)	92.12	1.86	93.98
Urban Tele-density*(%)	167.97	5.01	172.98
Rural Tele-density*(%)	57.31	0.42	57.73
Share of Urban Subscribers	57.35%	84.62%	57.89%
Share of Rural Subscribers	42.65%	15.38%	42.11%
Broadband Subscribers (Million)	282.51	18.33	300.84

❖ In the month of June, 2017, 5.88 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 283.09 million at the end of May-17 to 288.97 million at the end of Jun-17, since implementation of MNP.

❖ Number of active wireless subscribers (on the date of peak VLR[#]) in June, 2017 was 1,022.75 million.

Note:

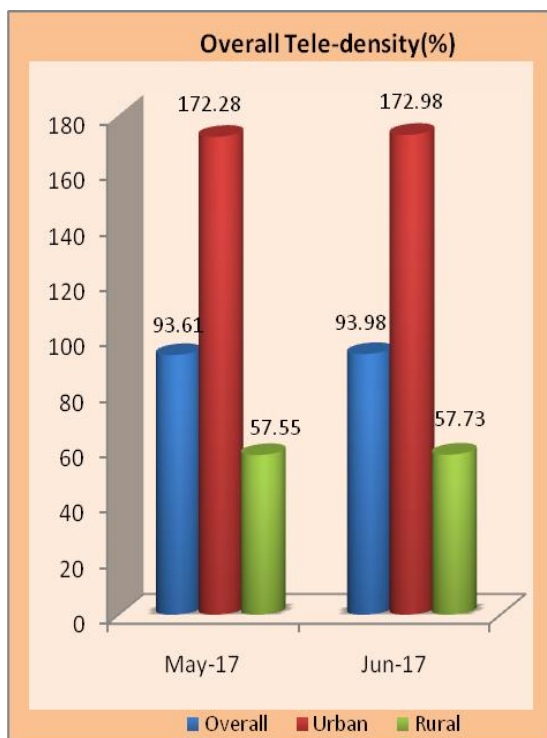
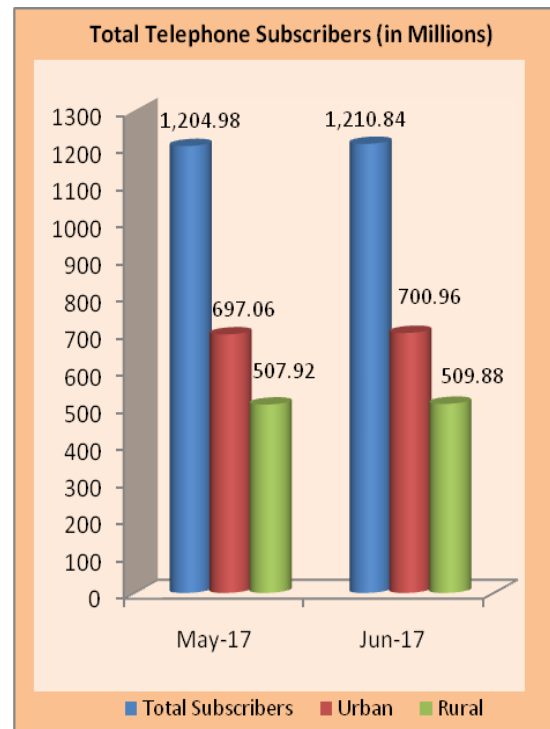
- Information in this Press Release is based on the data provided by the Service Providers

* 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.

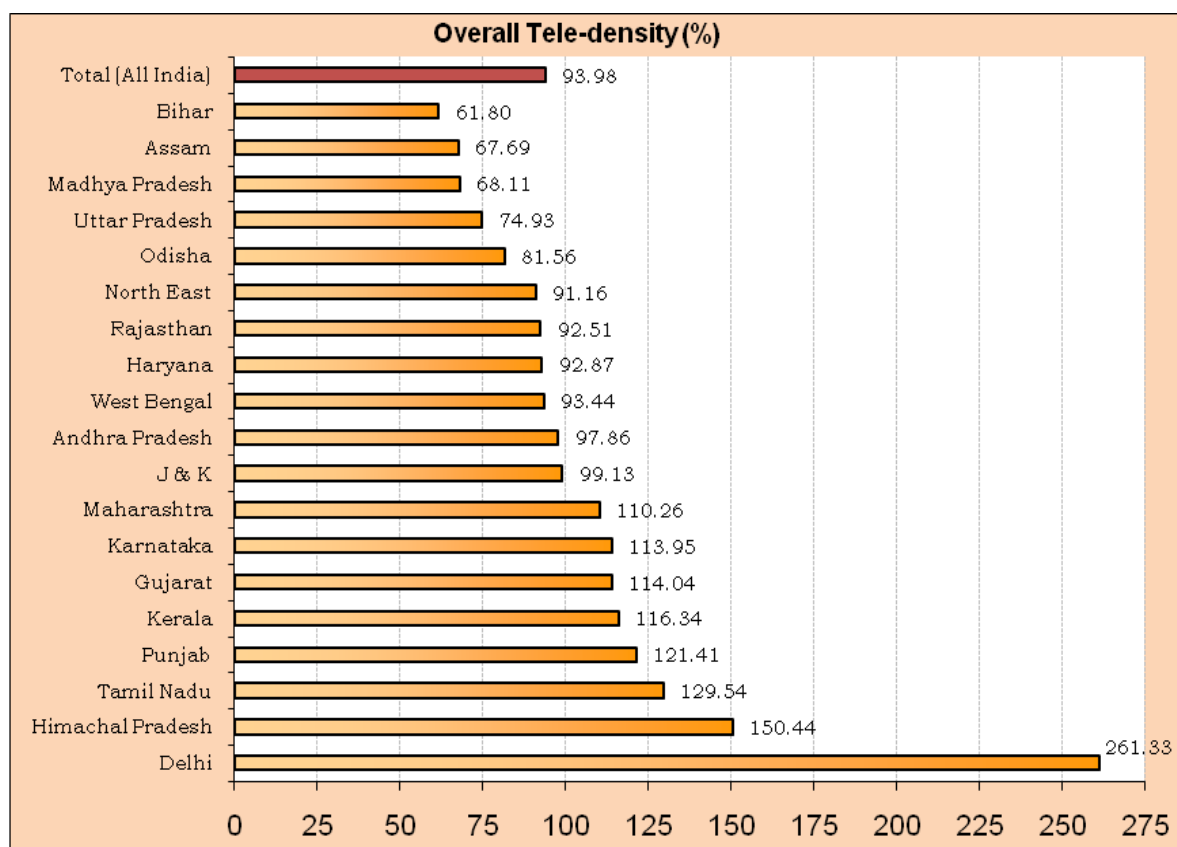
I. Total Telephone Subscribers

The number of telephone subscribers in India increased from 1,204.98 million at the end of May-17 to 1,210.84 million at the end of Jun-17, thereby showing a monthly growth rate of 0.49%. The urban subscription increased from 697.06 million at the end of May-17 to 700.96 million at the end of Jun-17, and the rural subscription also increased from 507.92 million to 509.88 million during the same period. The monthly growth rates of urban and rural subscription were 0.56% and 0.39% respectively during the month of Jun-17.



The overall Tele-density in India increased from 93.61 at the end of May-17 to 93.98 at the end of Jun-17. The Urban Tele-density increased from 172.28 at the end of May-17 to 172.98 at the end of Jun-17, and the Rural Tele-density also increased from 57.55 at the end of May-17 to 57.73 at the end of Jun-17. The share of urban subscribers and rural subscribers in total number of telephone subscribers at the end of Jun-17 was 57.89% and 42.11% respectively.

Overall Tele-density (Circle/State Wise) – As on 30th June, 2017



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).
4. Data/information for West Bengal includes Kolkata, Maharashtra includes Mumbai, Tamil Nadu includes Chennai and Uttar Pradesh includes UPE & UPW service area(s).
5. Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhatishgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura States.

II. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of June, 2017

Circle Category	Net additions in the month of June, 2017		Telephone Subscriber base as on 30 th June, 2017	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-71,103	2,086,820	9,512,623	413,010,513
Circle B	-53,727	2,556,414	6,280,992	474,389,023
Circle C	-25,141	739,672	1,106,991	178,637,541
Metro	-8,992	633,234	7,098,281	120,803,807
All India	-158,963	6,016,140	23,998,887	1,186,840,884

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of June, 2017

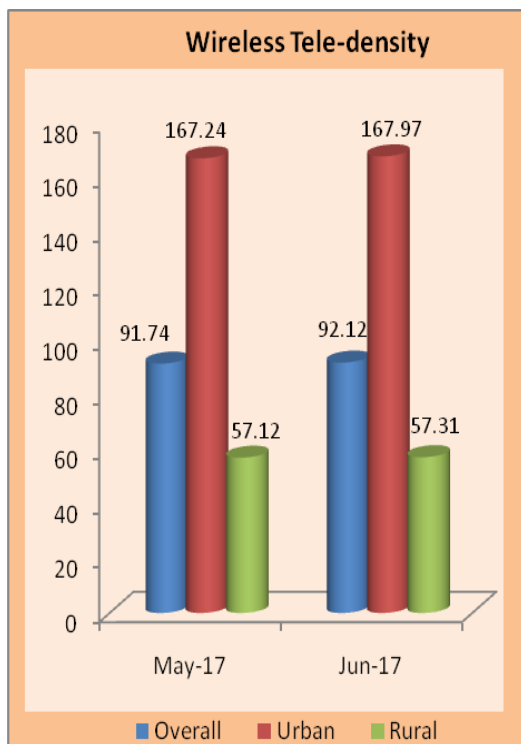
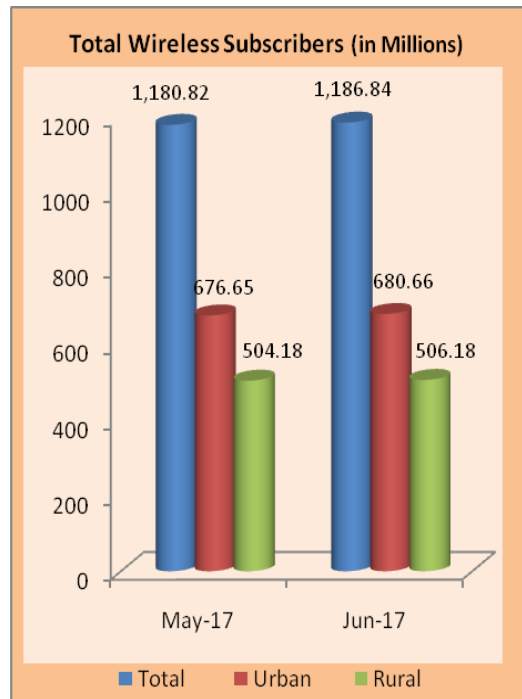
Circle Category	Monthly growth rate (%) (May-17 to Jun-17)		Yearly growth rate (%) (Jun-16 to Jun-17)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.74	0.51	-2.54	13.97
Circle B	-0.85	0.54	-6.28	14.82
Circle C	-2.22	0.42	-7.01	14.95
Metro	-0.13	0.53	0.10	16.00
All India	-0.66	0.51	-3.01	14.66

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, Circles of Category-B showed highest monthly net addition and maximum monthly growth rate in subscriber base during the month of Jun-17.
- In Wireline segment, Circles of Category-A showed maximum monthly net decline in subscriber base during the month of Jun-17. However, Circles of Category-C showed maximum monthly decline rate in subscriber base during the same period.

III. Wireless Subscribers

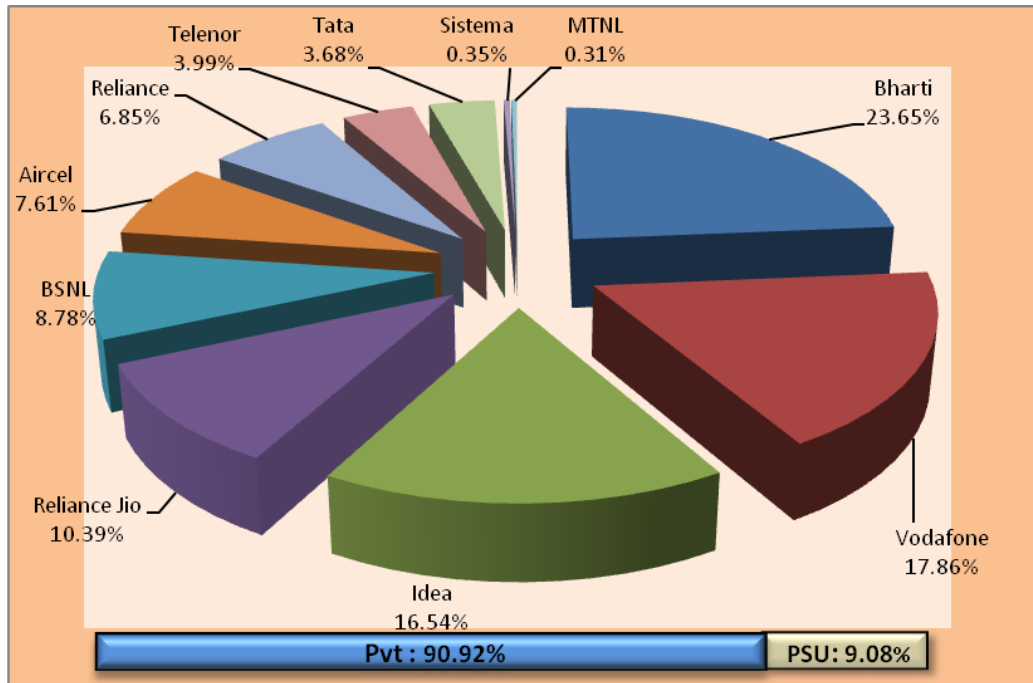
- Total wireless subscribers (GSM, CDMA & LTE) increased from 1,180.82 million at the end of May-17 to 1,186.84 million at the end of Jun-17, thereby registering a monthly growth rate of 0.51%. The Wireless subscription in urban areas increased from 676.65 million at the end of May-17 to 680.66 million at the end of Jun-17, and wireless subscription in rural areas also increased from 504.18 million to 506.18 million during the same period. The monthly growth rates of urban and rural wireless subscription were 0.59% and 0.40% respectively.



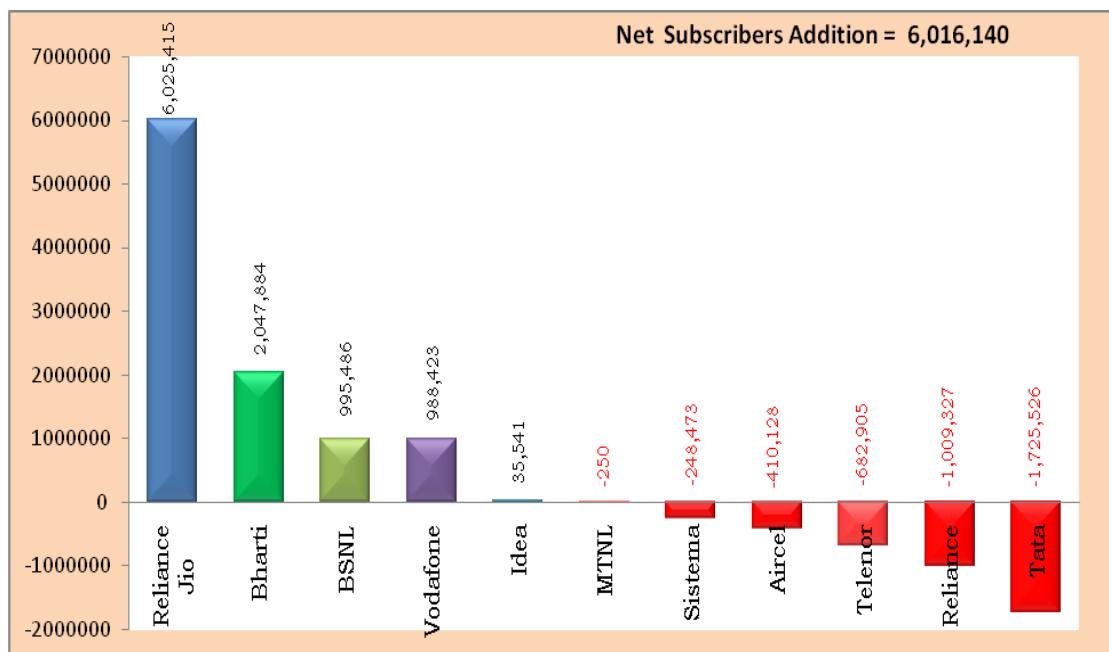
- The Wireless Tele-density(%) in India increased from 91.74 at the end of May-17 to 92.12 at the end of Jun-17. The Urban Wireless Tele-density increased from 167.24 at the end of May-17 to 167.97 at the end of Jun-17, and Rural Wireless Tele-density increased from 57.12 to 57.31 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 57.35% and 42.65% respectively at the end of Jun-17. Detailed statistics of wireless subscriber base is available at **Annexure-I.**

- As on 30th June, 2017, the private access service providers held 90.92% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 9.08%. The graphical representation of access service provider-wise market share and net additions in wireless subscriber base are given below:

Access Service Provider-wise Market Shares in term of Wireless Subscribers as on 30th June, 2017



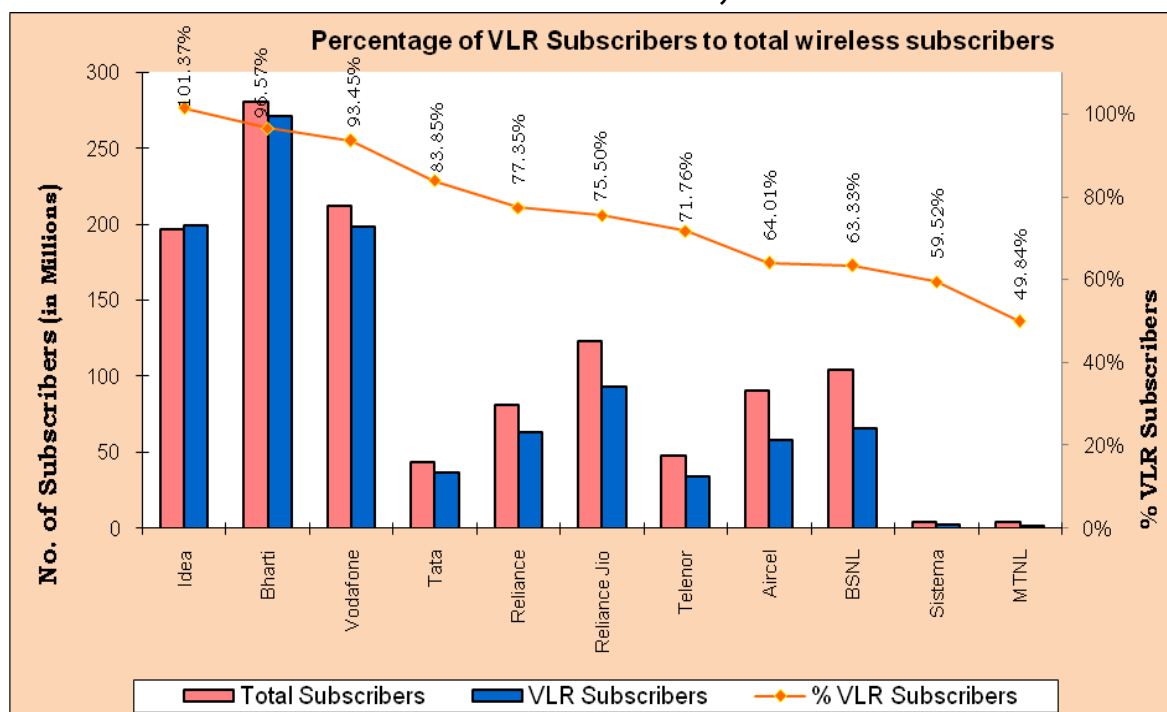
Net Additions in Wireless Subscribers of Access Service Providers in the Month of June, 2017



IV. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscribers (1,186.84 million), 1,022.75 million wireless subscribers were active on the date of peak VLR in the month of Jun-17. The proportion of active wireless subscribers was approximately 86.17% 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 Jun-17 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

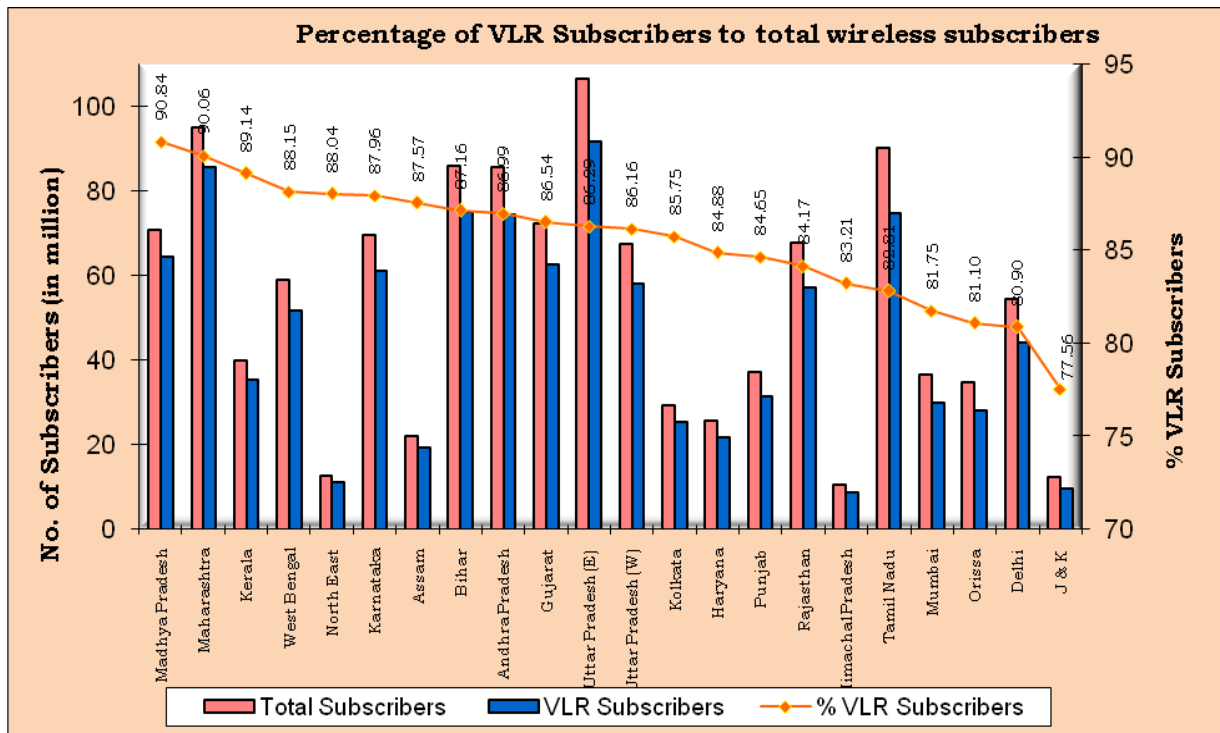
Access Service Provider-wise Percentage of VLR Subscribers in the Month of June, 2017



Note-

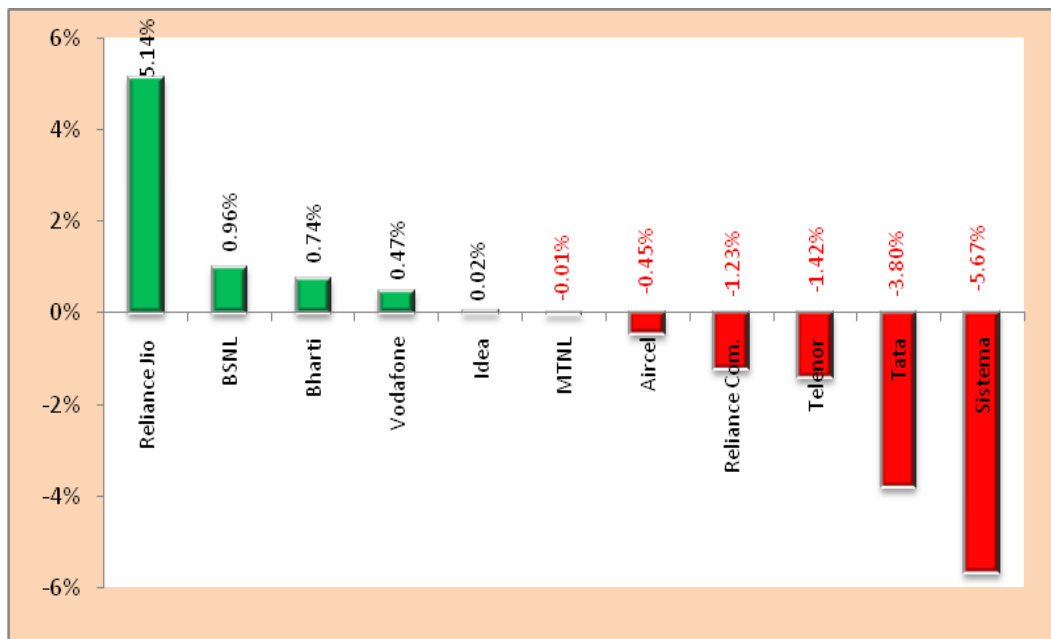
1. Number of VLR subscribers of Idea Cellular was more than its subscriber base due to a large number of inroamers in its network.

Service Area wise percentage of VLR Subscribers in the Month of June, 2017

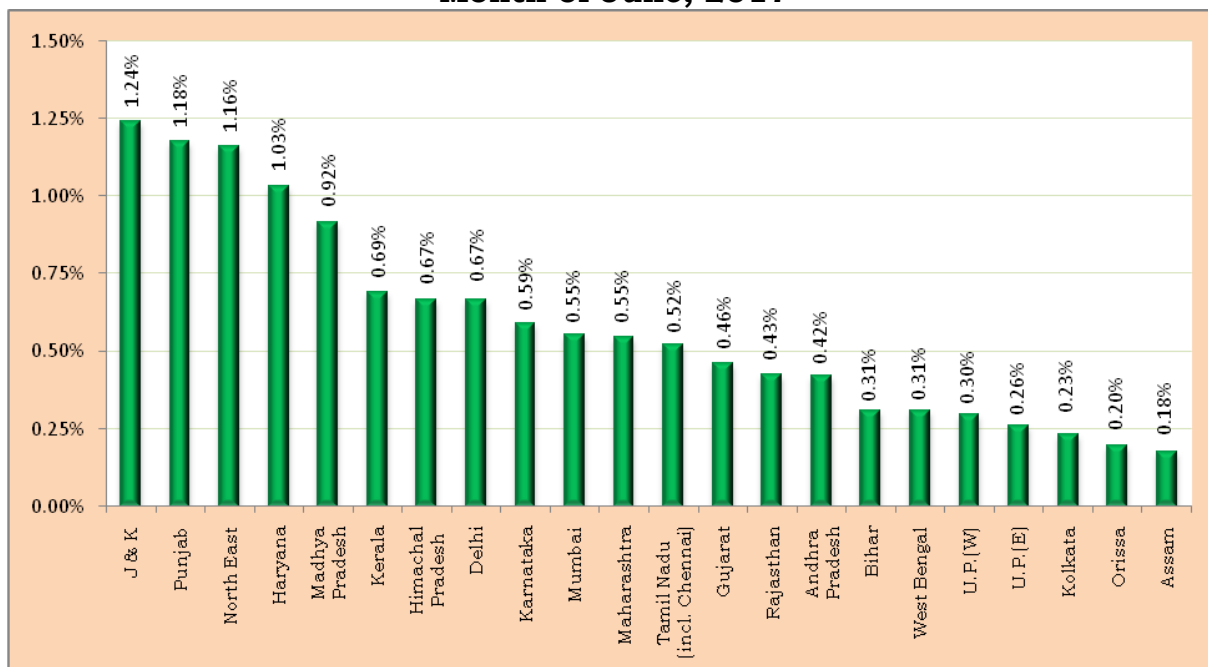


V. Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the Month of June, 2017



Service Area-wise Monthly Growth Rate of Wireless Subscribers in the Month of June, 2017



- All the service areas showed positive growth rate in wireless subscribers during the month of Jun-17. J&K service areas showed maximum growth rate in wireless subscribers during the month.

VI. Mobile Number Portability (MNP)

- Intra-service area Mobile number portability (MNP) was implemented first in Haryana service area w.e.f. 25.11.2010 and in the rest of the country w.e.f. 20.01.2011. 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.
- During the month of Jun-17, a total of 5.88 million requests were received for MNP. With this, the cumulative MNP requests increased from 283.09 million at the end of May-17 to 288.97 million at the end of Jun-17, since the implementation of MNP.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 24.34 million) followed by Gujarat (about 20.64 million).

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 31.46 million) followed by Andhra Pradesh (about 26.01 million).

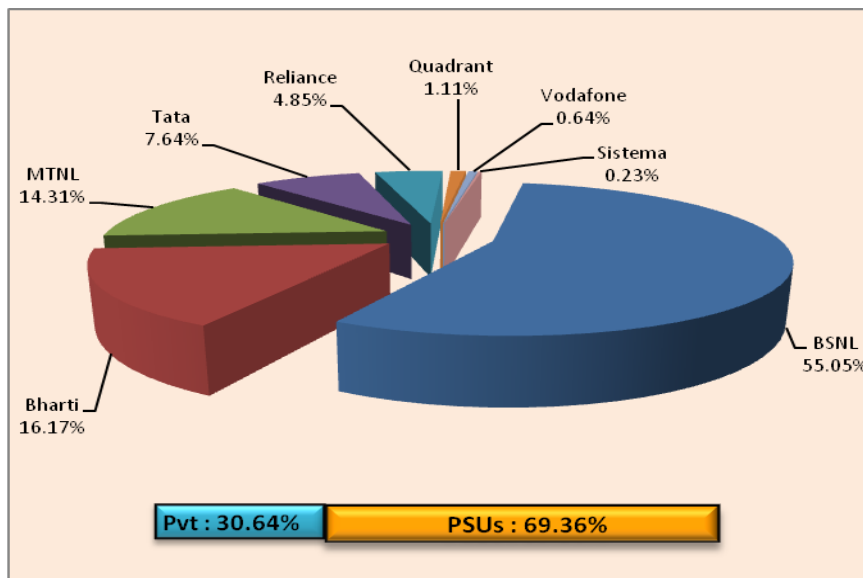
Service Area Wise MNP Status at the end of June, 2017			
Zone - I		Zone - II	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	13020574	Andhra Pradesh	26010170
Gujarat	20640954	Assam	1527315
Haryana	11606294	Bihar	10525659
Himachal Pradesh	1070492	Karnataka	31458013
Jammu & Kashmir	167114	Kerala	7781556
Maharashtra	19863852	Kolkata	6025196
Mumbai	15910207	Madhya Pradesh	19655746
Punjab	11256769	North East	564211
Rajasthan	24343573	Orissa	5660743
Uttar Pradesh - East	14663020	Tamil Nadu	17541624
Uttar Pradesh - West	13074230	West Bengal	16598203
Total	145,617,079	Total	143,348,436
Total (Zone-I + Zone-II)		288,965,515	
Net Addition (in June, 2017)		5,876,587	

VII. Wireline Subscribers

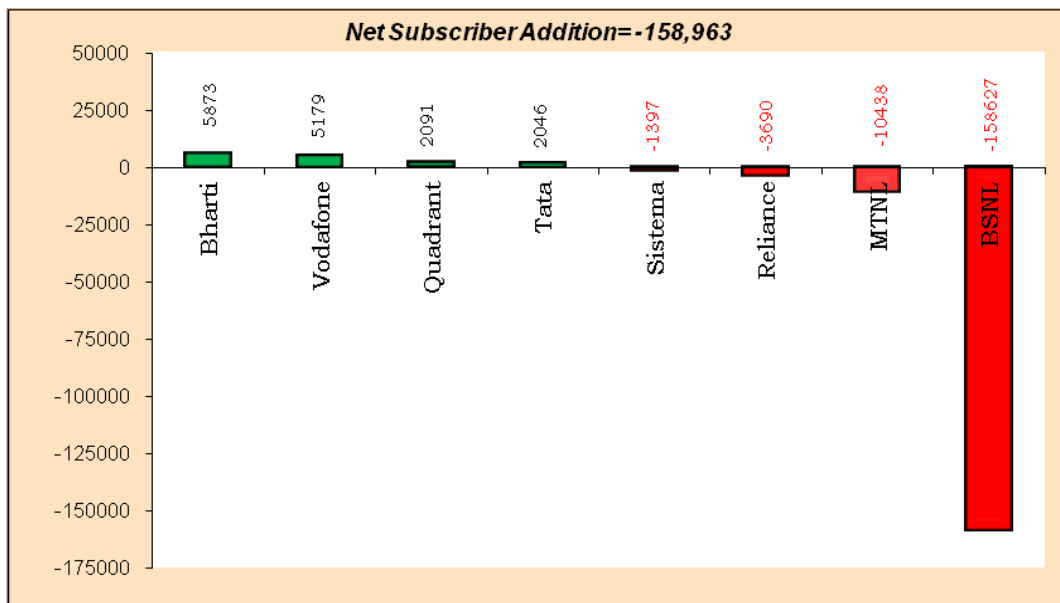
- Wireline subscribers declined from 24.16 million at the end of May-17 to 24.00 million at the end of Jun-17. Net decline in the wireline subscriber base was 0.16 million with a monthly decline rate of 0.66%. The share of urban and rural subscribers in total wireline subscribers were 84.62% and 15.38% respectively at the end of Jun-17.
- The Overall Wireline Tele-density(%) declined from 1.88 at the end of May-17 to 1.86 at the end of Jun-17. Urban and Rural Wireline Tele-density were 5.01 and 0.42 respectively during the same period.

- BSNL and MTNL, the two PSU access service providers, held 69.36% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.
- The graphical representations of service provider-wise market shares in the wireline segment and net additions in wireline subscriber bases in the month of Jun-17 are given below:

Access Service Provider-wise Market Shares (Wireline Subscribers) as on 30th June, 2017



Access Service Provider-wise Net Additions/declines in Wireline Subscribers during the Month of June, 2017



VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 291.61 Million at the end of May-17 to 300.84 million at the end of Jun-17 with a monthly growth rate of 3.17%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of June, 2017

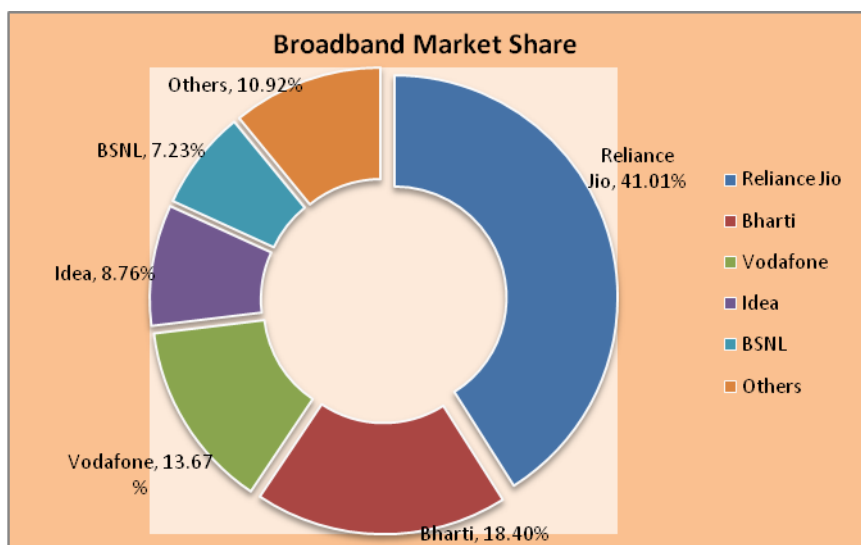
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Jun-17
	As on 31 st May, 2017	As on 30 th June, 2017	
Wired subscribers	18.23	18.33	0.58
Mobile devices users (Phones and dongles)	272.85	281.99	3.35
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.53	0.52	-2.03
Total	291.61	300.84	3.17

- Top five service providers constituted 89.08% market share of the total broadband subscribers at the end of June-17. These service providers were Reliance Jio Infocom Ltd (123.36 million), Bharti Airtel (55.34 million), Vodafone (41.14 million), Idea Cellular (26.37 million) and BSNL (21.76 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 30.06.2017**



- As on 30th June, 2017, the top five Wired Broadband Service providers were BSNL (9.73 million), Bharti Airtel (2.10 million), Atria Convergence Technologies (1.22 million), MTNL (0.98 million) and YOU Broadband (0.65 million).
- As on 30th June, 2017, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (123.36 million), Bharti Airtel (53.25 million), Vodafone (41.13 million), Idea Cellular (26.37 million) and Reliance Communications (13.54 million).

Contact details in case of any clarification:

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Pr. Advisor (F&EA)

Wireless Subscriber Base

Annexure-I

Circle	Group											
	Bharti		Reliance		Vodafone		Tata		Idea		Aircel	
	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17
Andhra Pradesh	26404600	26561927	3532559	3539313	6930585	6919989	3548965	3453195	17456987	17331094	2615845	2626198
Assam	6597372	6624242	1103755	1035797	3954170	3915440			1319454	1282852	5863632	5884454
Bihar	31387573	31421128	3195329	3066040	9856692	9923602	1221280	1180041	12934083	12810393	7587484	7613870
Delhi	11740506	11879196	5685391	5544923	10930747	11010985	1352781	1470447	6597792	6520788	6931758	6929408
Gujarat	9197047	9207176	5459421	5385297	20162653	20251177	2292185	2208076	13014460	13032329	17063	17063
Haryana	3573642	3626781	1469001	1445274	6064723	6144554	2233461	2118311	5180297	5178273	3092	3092
Himachal Pradesh	3043787	3068332	1522490	1476448	714946	712266	39296	37624	805022	822480	1097897	1084516
J & K	3744028	3810968	852468	836663	1020221	1017708			687986	681045	3080716	3124070
Karnataka	22394976	22644710	5271886	5289568	7702936	7723097	5781633	5599262	9479807	9492765	3438153	3411987
Kerala	4561930	4609417	1264036	1221801	7676176	7698705	1183247	1156695	11087764	11098812	365121	360447
Kolkata	5068295	5105001	3910982	3823230	5789948	5791492	2317912	2249564	2611092	2593244	4425652	4423177
Madhya Pradesh	14216021	14335261	8816932	9019052	6775966	6745400	4035356	3891276	24273431	24418067	20694	20694
Maharashtra	14923803	15086592	3730160	3605082	19629429	20005482	4775388	4507815	26908836	27242171	2584697	2360644
Mumbai	6472033	6531587	4755314	4748797	8958676	8937828	2488734	2435623	4289699	4282973	2882509	2885166
North East	4338311	4382519	248987	238183	1608815	1602656			589289	564185	3324837	3415817
Orissa	11782298	11792517	2103979	2119436	4591094	4628339	1696242	1634958	1981274	1904961	4591379	4484570
Punjab	9125793	9278084	1703691	1699414	5493552	5461780	2084003	1970260	7149340	7193939	1120645	1112325
Rajasthan	21302325	21377158	5581933	5497695	12246800	12267926	839672	750376	8329586	8308532	6629478	6617914
Tamil Nadu (incl. Chennai)	18501335	18655505	5566269	5595869	16330058	16347360	3582390	3454839	6060405	6063902	21211743	21132128
U.P.(E)	24494202	24686410	7918421	7640322	21258078	21497341	3038660	2863134	12584358	12629155	6884853	6779256
U.P.(W)	9123736	9169627	5494898	5444410	12616978	12675462	2622453	2480710	16605617	16590969	881255	879065
West Bengal	16605820	16793179	3157872	3063833	20637696	20660773	295773	241699	6296169	6235360	5175029	5157543
Total	278599433	280647317	82345774	81336447	210950939	211939362	45429431	43703905	196242748	196278289	90733532	90323404
Net Addition		2047884		-1009327		988423		-1725526		35541		-410128
Rural Subscribers	140017092	141504704	18548423	18199313	115636984	116169432	10353522	9396202	111014057	110678853	31920068	31894426

Wireless Subscriber Base

Annexure-I (contd.)

Circle	Group												Net Addition
	BSNL		MTNL		Telenor		Sistema		Reliance Jio		Total		
	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	
Andhra Pradesh	9957252	10000799			4866096	4736707			10073359	10576313	85386248	85745535	359287
Assam	1534273	1533721							1728223	1863142	22100879	22139648	38769
Bihar	4061130	4042618			8854268	8801239			6646336	7149271	85744175	86008202	264027
Delhi			2320736	2320627			496365	452581	8129748	8419025	54185824	54547980	362156
Gujarat	4885948	4974646			8119850	8008349	111061	93273	8706682	9121887	71966370	72299273	332903
Haryana	3891198	3994898							2992703	3159776	25408117	25670959	262842
Himachal Pradesh	2221021	2246658							1128718	1195557	10573177	10643881	70704
J & K	1483414	1497313							1328399	1380981	12197232	12348748	151516
Karnataka	7054362	7066186					648880	624197	7450958	7781135	69223591	69632907	409316
Kerala	9402324	9524625					202996	197812	3807210	3955304	39550804	39823618	272814
Kolkata	1050078	1102080					335840	318047	3904958	4077977	29414757	29483812	69055
Madhya Pradesh	5394483	5340905							6738374	7145626	70271257	70916281	645024
Maharashtra	6600498	6557901			7115086	6965231			8302659	8756881	94570556	95087799	517243
Mumbai			1302311	1302170					5420716	5647871	36569992	36772015	202023
North East	1579124	1573755							939453	998167	12628816	12775282	146466
Orissa	5090075	5162151							2817249	2994848	34653590	34721780	68190
Punjab	4735731	4878154							5243693	5493385	36656448	37087341	430893
Rajasthan	5778382	5923673					1135063	1062029	5843726	6169980	67686965	67975283	288318
Tamil Nadu (incl. Chennai)	9468933	9587729					428028	416727	8627767	8990940	89776928	90244999	468071
U.P.(E)	11377505	11492735			11172888	11014512			7451910	7855106	106180875	106457971	277096
U.P.(W)	5830808	5899821			7892135	7811380	91761	81411	6206409	6532070	67366050	67564925	198875
West Bengal	1765276	1756933					929253	884697	3849205	4098628	58712093	58892645	180552
Total	103161815	104157301	3623047	3622797	48020323	47337418	4379247	4130774	117338455	123363870	1180824744	1186840884	6016140
Net Addition		995486		-250		-682905		-248473		6025415		6016140	
Rural Subscribers	33407846	33628856	48503	48501	13942758	13680976	955409	907333	28331094	30076085	504175756	506184681	2008925

Proportion of VLR on the date of Peak VLR in the month of Jun-17 (%)

Annexure-II

Circle	Aircel	Bharti	BSNL	Idea	MTNL	Reliance	Reliance Jio	Sistema	Tata	Telenor	Vodafone	Total
Andhra Pradesh	54.08	96.80	72.45	101.99		81.89	68.61		89.11	71.74	85.37	86.99
Assam	85.22	96.33	74.33	100.92		4.51	90.29				97.79	87.57
Bihar	89.56	95.16	0.00	100.00		9.28	87.24		77.28	76.03	104.00	87.16
Delhi	49.00	92.07		99.33	0.00	81.77	66.72	43.11	0.00		94.01	80.90
Gujarat	2313.55	95.43	58.67	103.49		89.72	75.18	44.22	70.91	61.58	92.59	86.54
Haryana	0.26	94.34	53.07	99.66		92.36	71.26		86.66		92.19	84.88
Himachal Pradesh	44.10	96.24	61.81	117.78		92.19	83.25		31.92		98.31	83.21
J & K	66.88	87.51	67.04	101.89		51.25	83.38				85.97	77.56
Karnataka	47.93	99.73	62.75	98.46		83.78	75.97	60.65	92.54		95.07	87.96
Kerala	60.09	98.69	71.28	102.85		89.84	77.50	45.39	88.20		94.26	89.14
Kolkata	59.60	96.68	76.78	96.05		97.37	70.14	71.26	89.12		96.01	85.75
Madhya Pradesh	1.01	96.55	65.61	103.33		85.49	78.42		79.84		80.36	90.84
Maharashtra	46.97	95.18	66.63	101.23		89.53	85.11		87.17	68.24	94.28	90.06
Mumbai	45.76	99.00		89.27	62.50	82.40	68.12		79.66		88.79	81.75
North East	61.46	98.54	69.62	101.06		15.18	84.79				92.45	88.04
Orissa	58.42	97.58	69.09	105.51		4.66	80.79		82.57		99.09	81.10
Punjab	49.62	96.88	58.78	102.19		88.48	68.84		79.30		87.66	84.65
Rajasthan	45.09	94.53	56.55	98.77		84.38	78.22	58.34	163.24		90.97	84.17
Tamil Nadu (incl. Chennai)	65.64	98.95	66.37	101.16		86.97	71.58	53.88	73.52		96.87	82.81
U.P. (E)	61.97	98.40	50.99	104.57		88.71	78.67		88.08	76.57	94.84	86.29
U.P. (W)	79.17	95.01	51.54	99.41		90.62	69.36	43.32	82.59	73.77	94.37	86.16
West Bengal	82.59	97.48	81.92	104.95		7.57	81.21	73.21	5.30		92.35	88.15
Total	64.01	96.57	63.33	101.37	49.84	77.35	75.50	59.52	83.85	71.76	93.45	86.17

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																Total		Net Addition
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Sistema		Vodafone		May-17	Jun-17	
	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17	May-17	Jun-17			
Andhra Pradesh	1193510	1171208			162270	162352	75354	75219	174954	175383					13110	13260	1619198	1597422	-21776
Assam	149926	147597													2520	2550	152446	150147	-2299
Bihar	283352	267648					6,497	6,497	12584	12706					1620	1920	304053	288771	-15282
Delhi			1592760	1586330	1287084	1292744	171576	169762	139622	139984					30300	30450	3221342	3219270	-2072
Gujarat	1074027	1069105			77403	77421	72483	72364	89639	90250					8836	8931	1322388	1318071	-4317
Haryana	268,382	263,687			22975	22735	4014	4014	39516	38599							334887	329035	-5852
Himachal Pradesh	137,688	135,296					3924	3924	2480	2514					60	60	144152	141794	-2358
J & K	129,074	127,199															129074	127199	-1875
Karnataka	1209714	1196976			621494	623250	158049	158808	251197	251887					24000	24180	2264454	2255101	-9353
Kerala	1981682	1968798			58367	58211	32895	32796	18943	18863					1770	1830	2093657	2080498	-13159
Kolkata	599463	595304			120918	120930	68961	68878	50318	50377					5670	5700	845330	841189	-4141
Madhya Pradesh	704699	704002			273082	272754	19653	19622	15493	15354					540	570	1013467	1012302	-1165
Maharashtra	1381053	1368082			79341	79363	80895	80691	309031	309047					15189	14505	1865509	1851688	-13821
Mumbai			1851843	1847835	358496	358504	254867	253751	552565	553634					22830	24098	3040601	3037822	-2779
North East	118119	117456													150	180	118269	117636	-633
Orissa	271512	268850					3311	3311	8025	7963					1290	1320	284138	281444	-2694
Punjab	559494	543953			119919	119123	20480	20149	16133	16031	264476	266567			1050	1050	981552	966873	-14679
Rajasthan	579215	569465			48652	48694	19706	19706	11520	11407			56466	55069	2700	2700	718259	710041	-8218
Tamil Nadu (incl. Chennai)	1699214	1677493			556432	556447	132469	132050	112992	112831					11070	11520	2512177	2490341	-21836
U.P.(E)	373275	371671			64002	64002	34425	34373	13254	13221					1890	1950	486846	485217	-1629
U.P.(W)	341935	338096			23196	22974	7102	7102	9501	9630					4110	4110	385844	381912	-3932
West Bengal	314146	308967					1984	1938	4017	4149					60	60	320207	315114	-5093
Total	13369480	13210853	3444603	3434165	3873631	3879504	1168645	1164955	1831784	1833830	264476	266567	56466	55069	148765	153944	24157850	23998887	-158963
Net Addition		-158627		-10438		5873		-3690		2046		2091		-1397		5179		-158963	
Rural Subscribers	3619182	3565879	0	0	0	0	1703	1643	54895	54897	58572	58630	9921	9825	0	0	3744273	3690874	-53399

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 based on HLR and numbers available in VLR.

The VLR subscriber data calculated here is based on active subscribers in VLR on the date of Peak subscriber number in 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.