

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 18th September, 2018

(www.traigov.in)

**Highlights of Telecom Subscription Data as on 31st July, 2018**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1157.04	22.27	1179.32
Net Addition in July, 2018 (Million)	10.55	-0.12	10.43
Monthly Growth Rate	0.92%	-0.55%	0.89%
Urban Telephone Subscribers (Million)	639.71	19.07	658.78
Net Addition in July, 2018 (Million)	6.12	-0.09	6.02
Monthly Growth Rate	0.97%	-0.48%	0.92%
Rural Telephone Subscribers (Million)	517.33	3.20	520.53
Net Addition in July, 2018 (Million)	4.44	-0.03	4.40
Monthly Growth Rate	0.86%	-0.96%	0.85%
Overall Tele-density*(%)	88.73	1.71	90.44
Urban Tele-density*(%)	154.77	4.61	159.38
Rural Tele-density*(%)	58.09	0.36	58.45
Share of Urban Subscribers	55.29%	85.61%	55.86%
Share of Rural Subscribers	44.71%	14.39%	44.14%
Broadband Subscribers (Million)	442.29	17.95	460.24

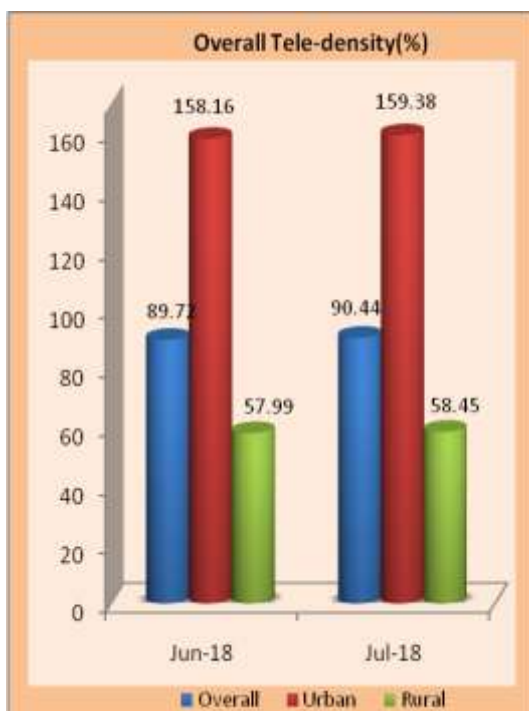
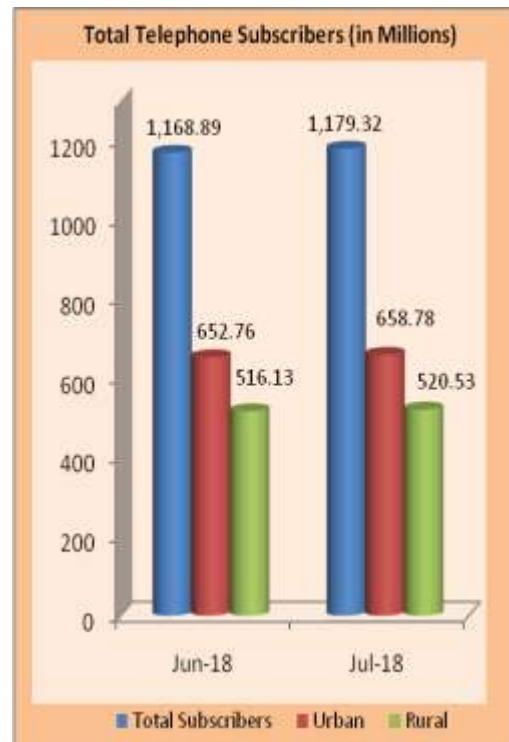
- ❖ In the month of July, 2018, 4.83 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 386.17 million at the end of Jun-18 to 391.00 million at the end of Jul-18, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in July, 2018 was 1,006.27 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.

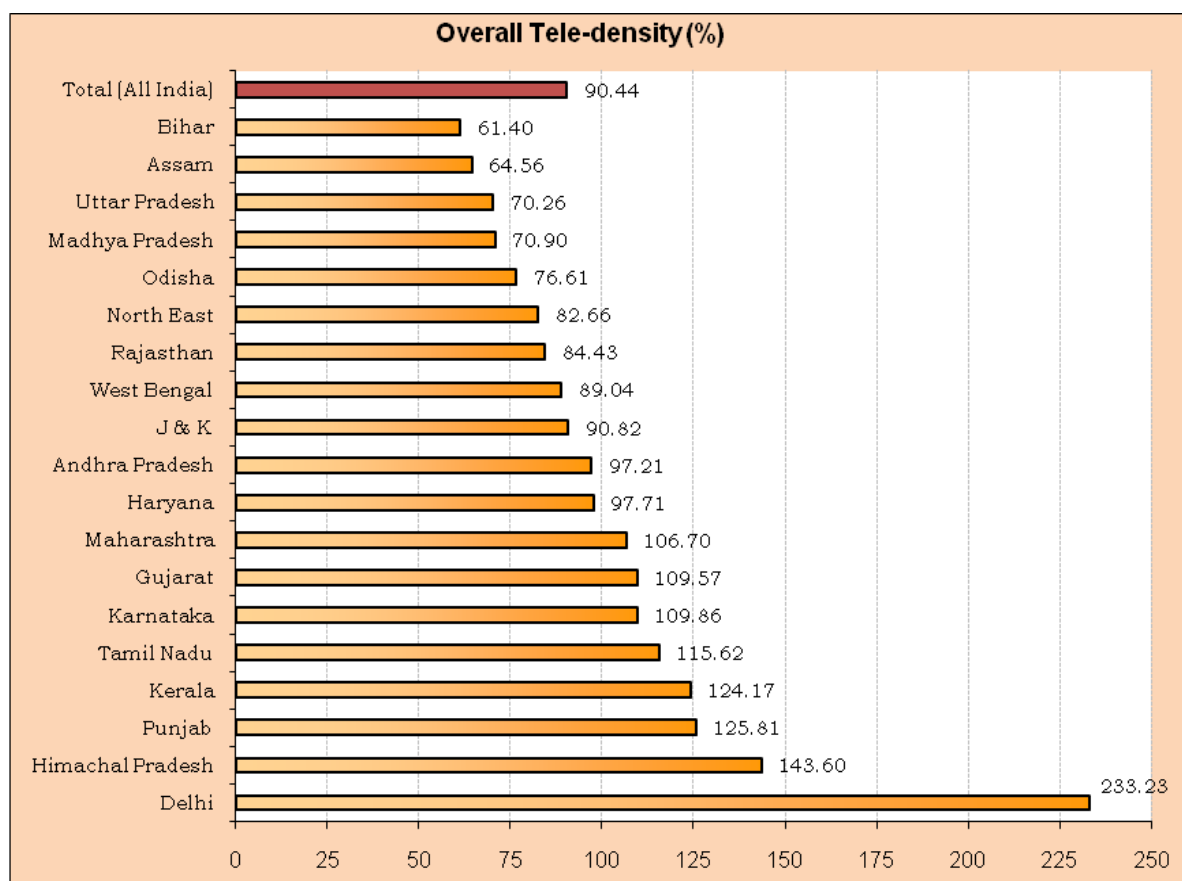
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,168.89 million at the end of Jun-18 to 1,179.32 million at the end of Jul-18, thereby showing a monthly growth rate of 0.89%. The urban subscription increased from 652.76 million at the end of Jun-18 to 658.78 million at the end of Jul-18, and the rural subscription also increased from 516.13 million to 520.53 million during the same period. The monthly growth rates of urban and rural subscription were 0.92% and 0.85% respectively during the month of Jul-18.



- The overall Tele-density in India increased from 89.72 at the end of Jun-18 to 90.44 at the end of Jul-18. The Urban Tele-density increased from 158.16 at the end of Jun-18 to 159.38 at the end of Jul-18, and Rural Tele-density also increased from 57.99 at the end of Jun-18 to 58.45 at the end of Jul-18. The share of urban and rural subscribers in total number of telephone subscribers at the end of Jul-18 was 55.86% and 44.14% respectively.

Overall Tele-density (Circle/State Wise) – As on 31st July, 2018



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 Chhatisgarh, 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 July, 2018

Circle Category	Net additions in the month of July, 2018		Telephone Subscriber base as on 31 st July, 2018	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-61,756	844,767	8,748,605	399,495,578
Circle B	-41,764	5,495,666	5,603,966	472,018,259
Circle C	-7,469	3,981,790	989,517	174,165,805
Metro	-12,062	228,797	6,930,162	111,364,866
All India	-123,051	10,551,020	22,272,250	1,157,044,508

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of July, 2018

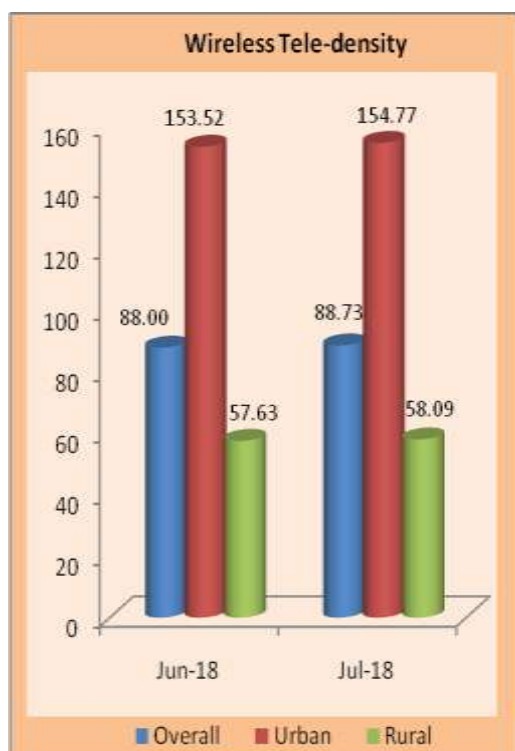
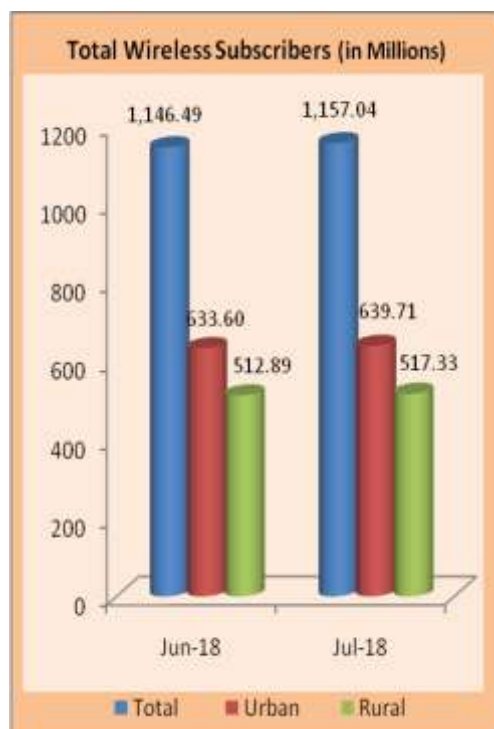
Circle Category	Monthly growth rate (%) (Jun-18 to Jul-18)		Yearly growth rate (%) (Jul-17 to Jul-18)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.70	0.21	-6.93	-3.33
Circle B	-0.74	1.18	-9.83	-0.34
Circle C	-0.75	2.34	-9.03	-2.37
Metro	-0.17	0.21	-1.81	-8.32
All India	-0.55	0.92	-6.27	-2.51

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 all categories showed positive growth in their subscriber base during the month of Jul-18. However, on yearly (Y-o-Y) basis, all categories showed negative growth in wireless subscriber base during the same period.
- In Wireline segment, Circles of all Categories showed monthly and yearly (Y-o-Y basis) decline in their number of wireline subscribers during the month of Jul-18.

III. Wireless Subscribers

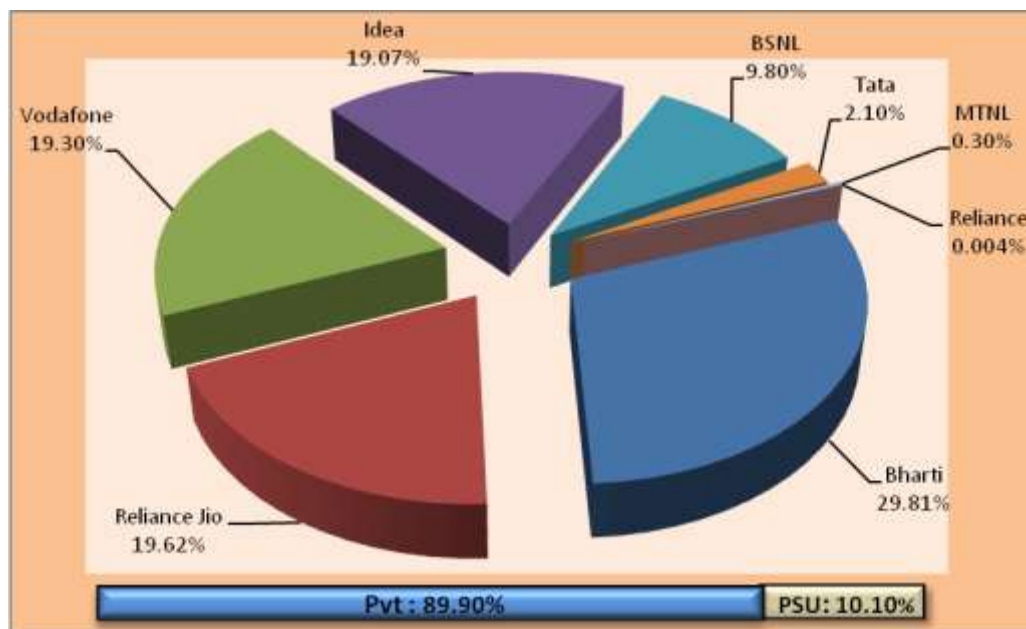
- Total wireless subscribers (GSM, CDMA & LTE) increased from 1,146.49 million at the end of Jun-18 to 1,157.04 million at the end of Jul-18, thereby registering a monthly growth rate of 0.92%. The Wireless subscription in urban areas increased from 633.60 million at the end of Jun-18 to 639.71 million at the end of Jul-18, and wireless subscriptions in rural areas also increased from 512.89 million to 517.33 million during the month. The monthly growth rates of urban and rural wireless subscription were 0.97% and 0.86% respectively.



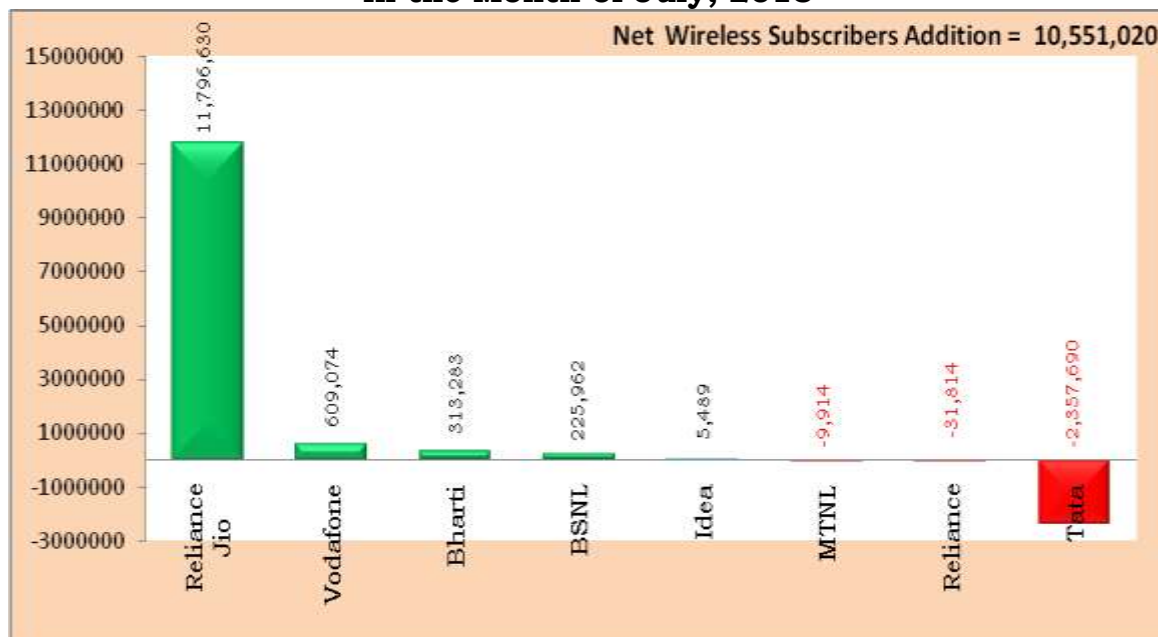
- The Wireless Tele-density in India increased from 88.00 at the end of Jun-18 to 88.73 at the end of Jul-18. The Urban Wireless Tele-density increased from 153.52 at the end of Jun-18 to 154.77 at the end of Jul-18, and Rural Wireless Tele-density also increased from 57.63 to 58.09 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 55.29% and 44.71% respectively at the end of Jul-18. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 31st July, 2018, the private access service providers held 89.90% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.10%. 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 31st July, 2018



Net Additions in Wireless Subscribers of Access Service Providers in the Month of July, 2018

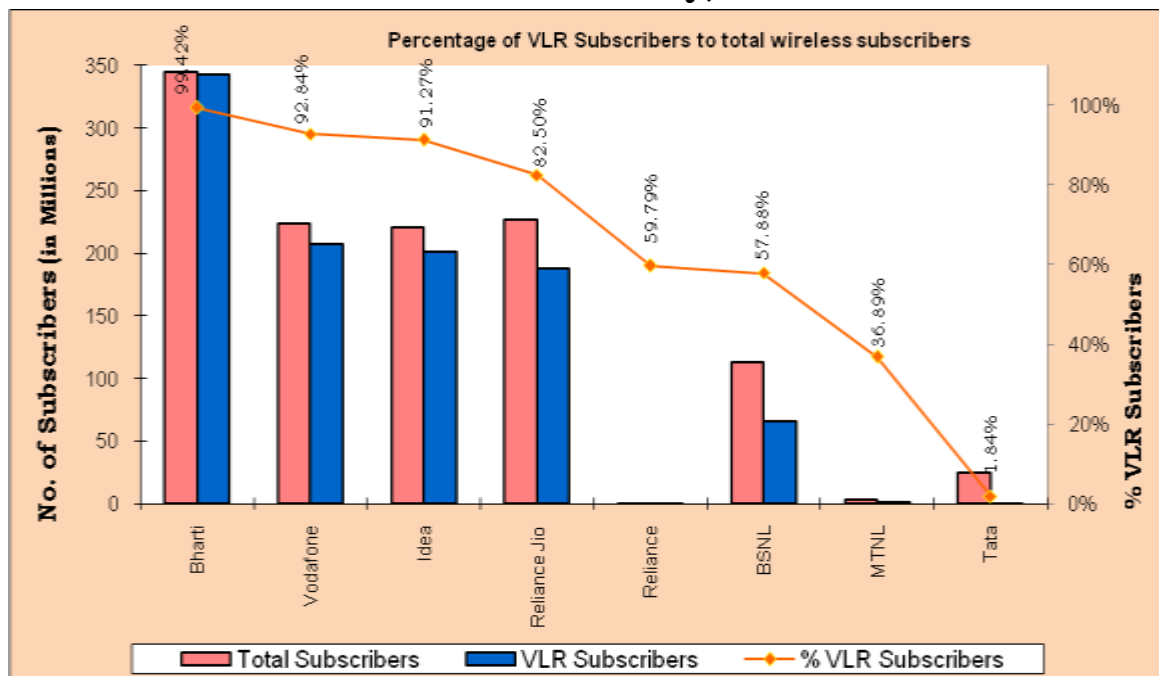


Note: 1. On noticing that while reporting number of subscribers, some of the TSPs were deducting inactive subscribers. A Direction was issued on 18th August 2017 to TSPs to strictly adhere to the Department of Telecommunications' methodology for reporting their number of subscribers. However, some of the Telecom Service Providers are yet to comply with the Direction.

IV. Active Wireless Subscribers (VLR Data)

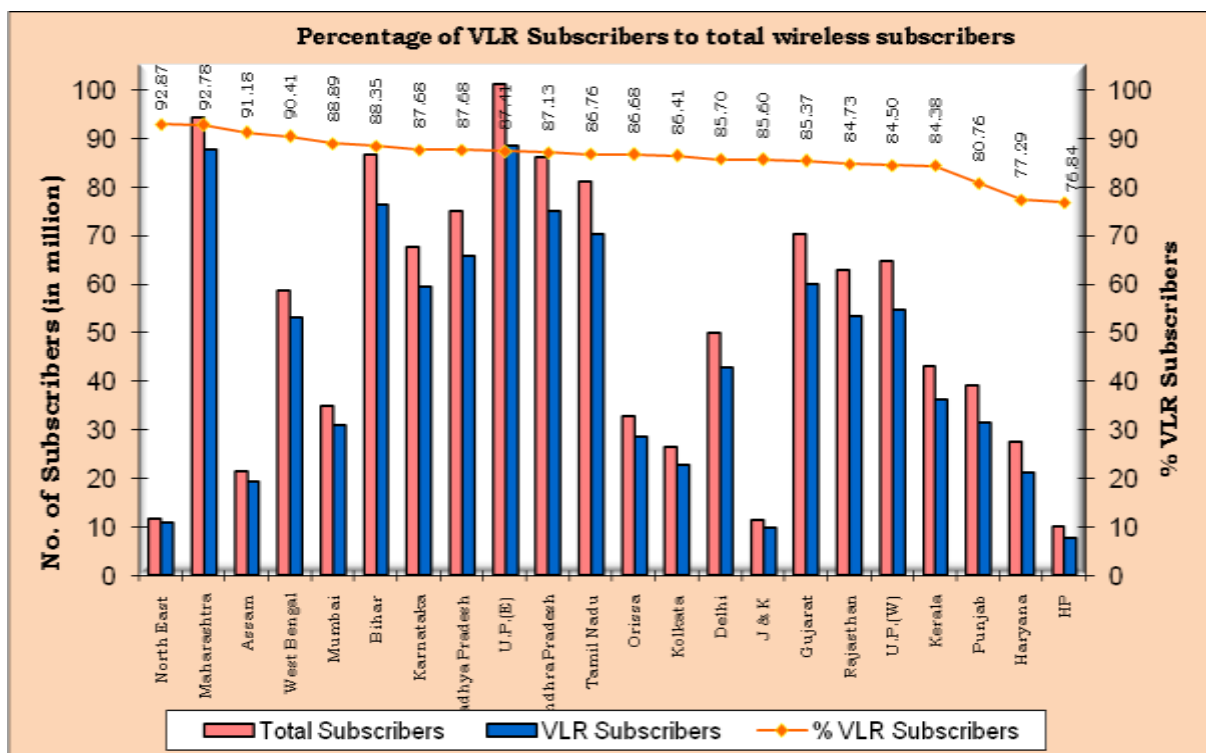
- Out of the total wireless subscribers (1,157.04 million), 1,006.27 million wireless subscribers were active on the date of peak VLR in the month of Jul-18. The proportion of active wireless subscribers was approximately 86.97% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of Jul-18 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 July, 2018



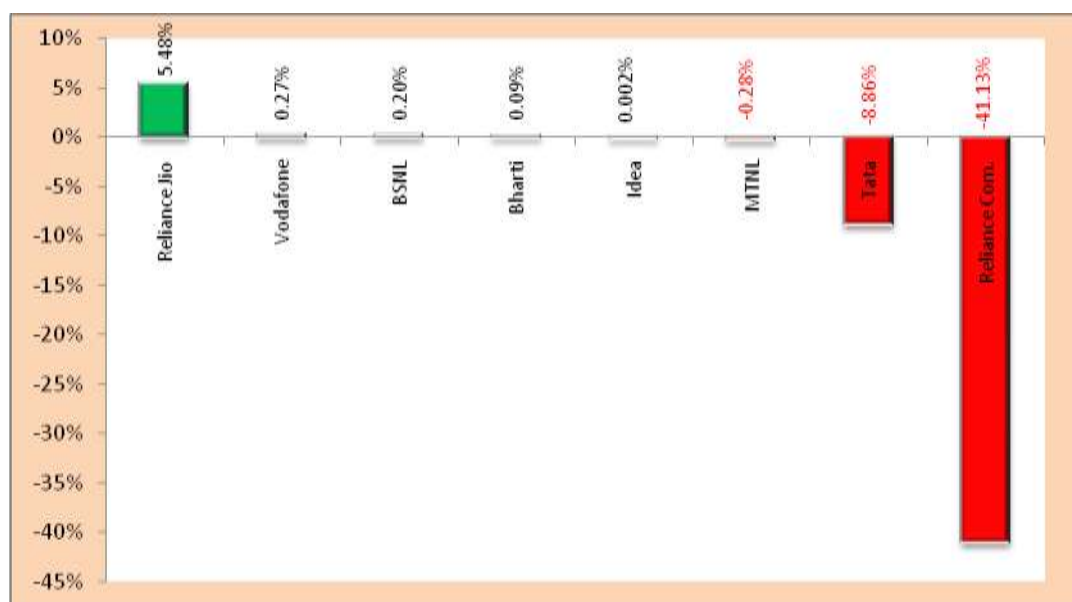
- Bharti Airtel has the maximum proportion (99.42%) of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of Jul-18.

Service Area wise percentage of VLR Subscribers in the Month of July, 2018

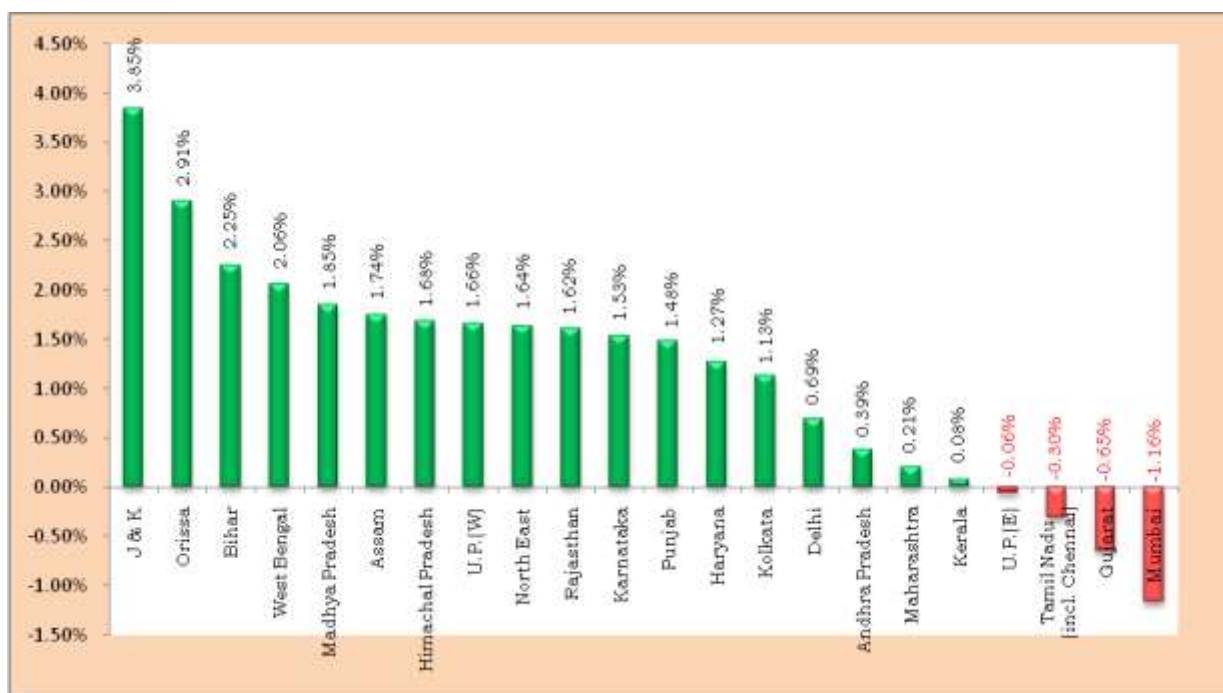


V. Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the Month of July, 2018



Service Area-wise Monthly Growth Rate of Wireless Subscribers in the Month of July, 2018



- During the month of July, 2018, J&K service area showed maximum growth rate of 3.85% and Mumbai service area showed maximum decline rate of 1.16% in their wireless subscriber base.

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 Jul-18, a total of 4.83 million requests were received for MNP. Out of total 4.83 million requests, 2.71 million requests received from Zone-I and 2.12 million requests received from Zone-II. The cumulative MNP requests increased from 386.17 million at the end of Jun-18 to 391.00 million at the end of Jul-18, 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 32.08 million) followed by Maharashtra (about 27.20 million) service area. In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 37.41 million) followed by Tamilnadu (about 33.45 million).

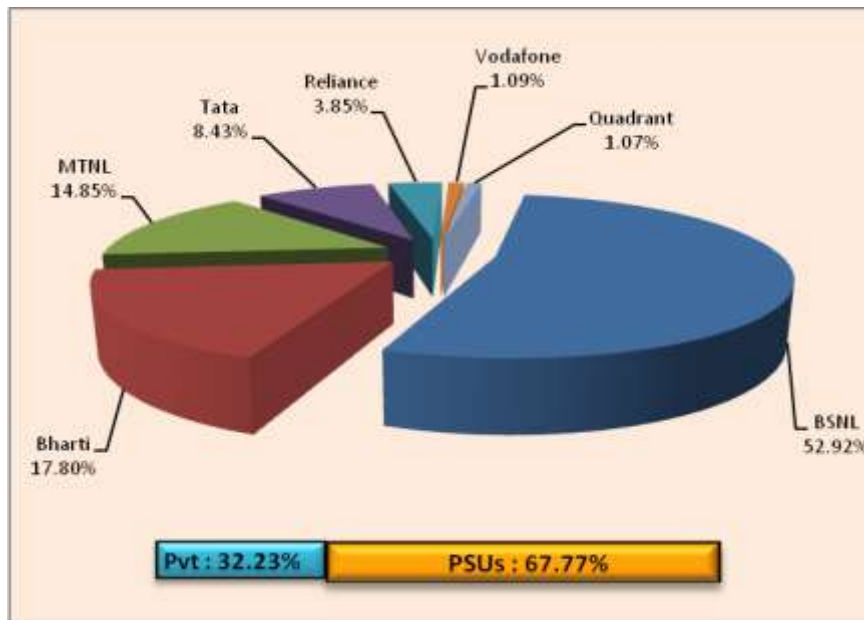
Service Area Wise MNP Status					
Zone - 1			Zone - 2		
Service Area	Number of Porting Requests (in Million)		Service Area	Number of Porting Requests (in Million)	
	Jun-18	Jul-18		Jun-18	Jul-18
Delhi	19.42	19.75	Andhra Pradesh	32.45	32.93
Gujarat	25.26	25.56	Assam	3.10	3.15
Haryana	14.05	14.21	Bihar	14.66	14.86
Himachal Pradesh	1.86	1.88	Karnataka	37.05	37.41
Jammu & Kashmir	0.88	0.91	Kerala	9.35	9.45
Maharashtra	26.69	27.20	Kolkata	9.59	9.68
Mumbai	20.33	20.56	Madhya Pradesh	25.45	25.73
Punjab	14.47	14.71	North East	1.22	1.24
Rajasthan	31.78	32.08	Orissa	7.66	7.74
U.P.(East)	20.84	21.21	Tamil Nadu	33.11	33.45
U.P.(West)	16.73	16.97	West Bengal	20.22	20.33
Total	192.31	195.03	Total	193.86	195.97
Total (Zone-1 + Zone-2)				386.17	391.00
Net Addition (July, 2018)				4.83	

VII. Wireline Subscribers

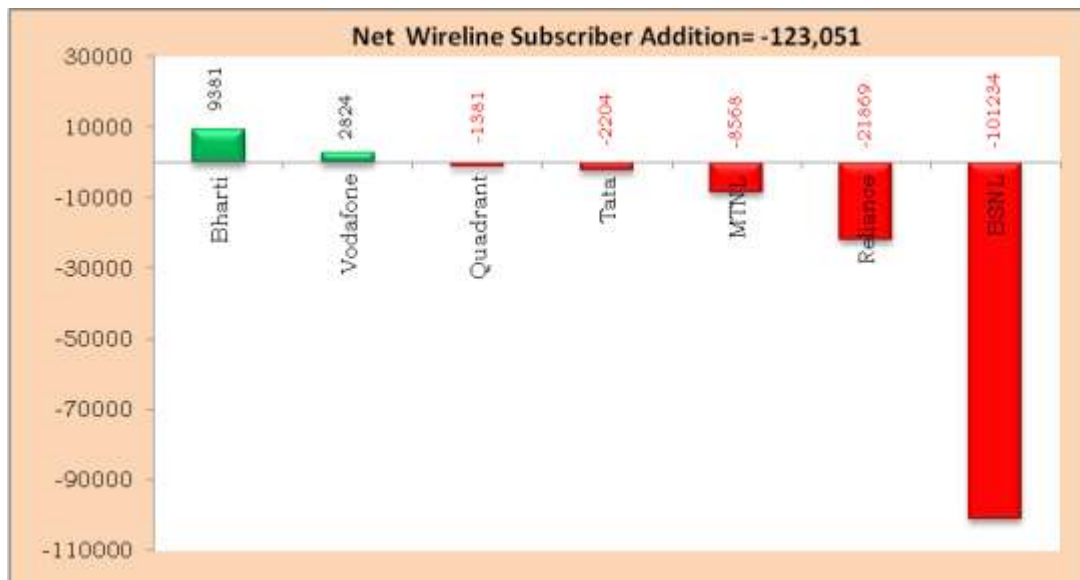
- Wireline subscribers further declined from 22.40 million at the end of Jun-18 to 22.27 million at the end of Jul-18. Net decline in the wireline subscriber base was 0.13 million with a monthly decline rate of 0.55%. The share of urban and rural subscribers in total wireline subscribers were 85.61% and 14.39% respectively at the end of Jul-18.

- The Overall Wireline Tele-density(%) declined from 1.72 at the end of Jun-18 to 1.71 at the end of Jul-18. Urban and Rural Wireline Tele-density were 4.61 and 0.36 respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 67.77% of the wireline market share. Detailed statistics of wireline subscriber base are available at **Annexure-III**.

Access Service Provider-wise Market Shares of Wireline Subscribers as on 31st July, 2018



Access Service Provider-wise Net Additions/declines in Wireline Subscribers during the Month of July, 2018



VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from 293 operators, the number of broadband subscribers increased from 447.12 million at the end of Jun-18 to 460.24 million at the end of Jul-18 with a monthly growth rate of 2.93%. Segment-wise broadband subscribers and their monthly growth rates are as below:

Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of July, 2018

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Jul-18
	As on 30 th June, 2018	As on 31 st July, 2018	
Wired subscribers	17.90	17.95	0.27%
Mobile devices users (Phones and dongles)	428.81	441.85	3.04%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.41	0.44	7.48%
Total	447.12	460.24	2.93%

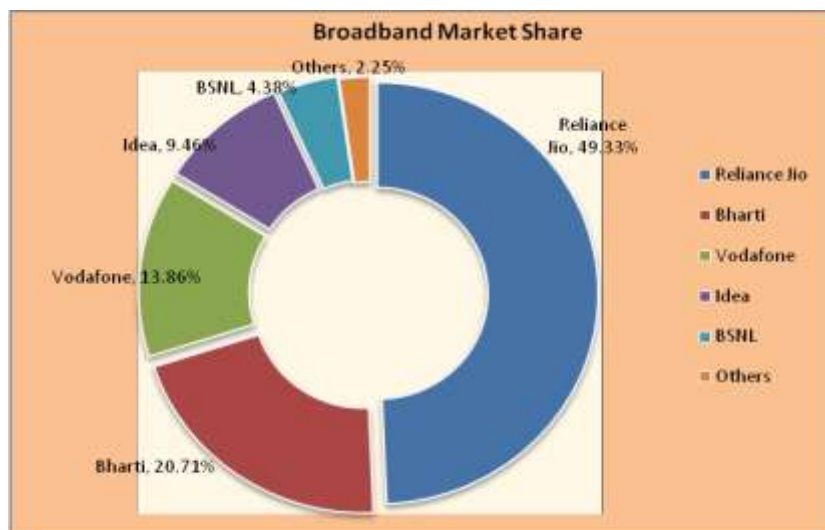
- Top five service providers constituted 97.75% market share of the total broadband subscribers at the end of Jul-18. These service providers were Reliance Jio Infocomm Ltd (227.05 million), Bharti Airtel (95.33 million), Vodafone (63.79 million), Idea Cellular (43.52 million) and BSNL (20.18 million).

Note: 1. Some wireless service providers exclude incidental data users from their subscriber base, based on minimum usage decided by them.

2. As information of broadband subscribers from M/s Bharti Airtel has not been received so far for the month of July, 2018, the previous month data of broadband subscribers has been taken.

- 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 31.07.2018**



- As on 31st July, 2018, the top five Wired Broadband Service providers were BSNL (9.15 million), Bharti Airtel (2.21 million), Atria Convergence Technologies (1.34 million), MTNL (0.83 million) and Hathway Cable & Datacom (0.75 million).
- As on 31st July, 2018, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (227.05 million), Bharti Airtel (93.11 million), Vodafone (63.79 million), Idea Cellular (43.52 million) and BSNL (11.03 million).

Contact details in case of any clarification:

Shri S. K. Mishra, Pr. Advisor (F&EA),
Telecom Regulatory Authority of India
Mahanagar Doorsanchar Bhawan
Jawahar Lal Nehru Marg,
New Delhi – 110002,
Ph: 011-23221856
Fax: 011-23235249
E-mail: skmishra.tra@nic.in

Authorized to issue:

(S. K. Mishra)
Pr. Advisor (F&EA)

Wireless Subscriber Base

Annexure-I

Circle	Group									
	Bharti		Reliance Com.		Vodafone		Tata		Idea	
	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18
Andhra Pradesh	30772427	30245997	7512	2907	6158618	6286735	2423008	2146639	18489040	18479243
Assam	8466018	8415936	1		4378717	4521478			1544518	1538404
Bihar	39327547	39712271	93	93	10309247	10655746	561478	460930	14769833	14987914
Delhi	14594774	15059591	14922	11167	12300497	12108492	690474	281389	7560308	7517479
Gujarat	13567103	12748899	2288	1786	20376688	20214692	1290280	1185423	15051326	15026444
Haryana	4111712	3964732	70	60	6288917	6560649	1160855	1087264	5559462	5604538
Himachal Pradesh	3643647	3666657	70	70	526865	554611	12557	8416	1055896	1054130
J & K	5395378	5627156			851022	870166			749744	754735
Karnataka	26059540	26960332	11908	4391	7898945	7566096	3953783	3823261	9899489	9840902
Kerala	5116047	5045729	2229	1869	8003882	7802221	484342	450428	12719595	12816302
Kolkata	6551316	6483611	805	556	6776764	6973621	1391749	1299712	3139528	3122905
Madhya Pradesh	15714386	15995298	2286	2059	6039325	6229620	2530115	2418709	29102862	29049911
Maharashtra	17768594	17061688	4960	1962	19953885	20165589	2713128	2351323	31125189	31044981
Mumbai	8279834	8273996	14646	8980	10024536	9575029	1547139	1258713	4887193	4889040
North East	5362395	5398981			1820579	1881936			609305	569397
Orissa	12814537	13252628	103	48	4461769	4660582	831959	765620	2269471	2265724
Punjab	10031756	10506700	566	498	4880951	4728152	1152795	1104389	7916754	7900145
Rajasthan	23363145	23951747	1433	1414	12458500	12342091	285598	205950	8503358	8477637
Tamil Nadu (incl. Chennai)	25777781	25700859	11834	6616	21051180	20186968	1908910	1846493	6644475	6640140
U.P.(E)	34987402	33348991	1298	812	24074363	24864759	1931993	1897958	13866909	13871522
U.P.(W)	14649194	14616068	162	87	12241906	12703033	1675701	1609017	18279598	18317485
West Bengal	18209588	18839537	169	166	21855824	21889788	77763	64303	6854810	6835174
Total	344564121	344877404	77355	45541	222732980	223342054	26623627	24265937	220598663	220604152
Net Addition		313283		-31814		609074		-2357690		5489
Rural Subscribers	<i>171532375</i>	<i>171774609</i>	<i>0</i>	<i>0</i>	<i>119492611</i>	<i>119616507</i>	<i>3795912</i>	<i>3383551</i>	<i>119232509</i>	<i>118028321</i>

Note: M/s Reliance Com. has not reported its rural wireless subscriber base for the months of June & July, 2018 and hence their rural wireless subscriber base has been taken as NIL.

Wireless Subscriber Base

Annexure-I (Contd.)

Circle	Group								Net Addition
	BSNL		MTNL		Reliance Jio		Total		
	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	
Andhra Pradesh	10125005	10138678			17705512	18710921	85681122	86011120	329998
Assam	2298077	2337780			4323989	4564317	21011320	21377915	366595
Bihar	4735039	4807354			14896598	15879969	84599835	86504277	1904442
Delhi			2257250	2249613	12196458	12729546	49614683	49957277	342594
Gujarat	5691260	5641982			14832731	15534770	70811676	70353996	-457680
Haryana	4623506	4612494			5380953	5640792	27125475	27470529	345054
Himachal Pradesh	2643178	2668626			2205994	2305170	10088207	10257680	169473
J & K	1417374	1448459			2598401	2734821	11011919	11435337	423418
Karnataka	7137640	7116523			11754210	12425648	66715515	67737153	1021638
Kerala	10729192	10796023			5958439	6135163	43013726	43047735	34009
Kolkata	1607222	1622728			6651592	6912094	26118976	26415227	296251
Madhya Pradesh	6172590	6193498			14079350	15116763	73640914	75005858	1364944
Maharashtra	6843506	6878876			15796135	16899160	94205397	94403579	198182
Mumbai			1268005	1265728	9381057	9720876	35402410	34992362	-410048
North East	1708973	1728292			2020993	2132627	11522245	11711233	188988
Orissa	5507640	5507870			6065010	6426891	31950489	32879363	928874
Punjab	5340035	5256533			9162538	9560124	38485395	39056541	571146
Rajasthan	5627488	5622061			11733748	12373966	61973270	62974866	1001596
Tamil Nadu (incl. Chennai)	11603497	11667350			14239424	14941304	81237101	80989730	-247371
U.P.(E)	11754257	11709991			14659312	15521127	101275534	101215160	-60374
U.P.(W)	5810769	5865767			10897871	11501384	63555201	64612841	1057640
West Bengal	1739538	1720863			8715386	9284898	57453078	58634729	1181651
Total	113115786	113341748	3525255	3515341	215255701	227052331	1146493488	1157044508	10551020
Net Addition		225962		-9914		11796630	0	10551020	
Rural Subscribers	36113947	35997461	47177	47017	62679600	68482619	512894131	517330085	4435954

Proportion of VLR on the date of Peak VLR in the month of Jul-18 (%)

Annexure-II

Circle	Bharti	BSNL	Idea	MTNL	Reliance	Reliance Jio	Tata	Vodafone	Total
Andhra Pradesh	100.66	69.88	95.01		87.10	76.76	0.47	87.22	87.13
Assam	94.37	67.99	91.88			95.96		92.16	91.18
Bihar	90.33	56.70	87.18		49.46	98.40	0.61	85.70	88.35
Delhi	95.97		92.45	27.80	52.44	72.68	21.77	94.68	85.70
Gujarat	100.38	46.79	91.75		20.83	74.23	0.06	95.48	85.37
Haryana	118.39	38.99	91.30		66.67	64.73	0.67	90.91	77.29
Himachal Pradesh	90.96	50.21	97.99		27.14	72.56	1.64	90.41	76.84
J & K	93.65	65.91	88.59		-	77.13		90.35	85.60
Karnataka	105.85	62.39	91.52		88.04	80.68	0.43	97.31	87.68
Kerala	104.84	64.10	92.94		20.60	74.82	2.06	97.44	84.38
Kolkata	108.61	58.47	85.57		8.63	77.53	9.63	95.77	86.41
Madhya Pradesh	103.50	55.57	93.73		16.51	92.03	0.38	74.11	87.68
Maharashtra	111.35	57.48	93.87		68.71	94.04	3.03	96.86	92.78
Mumbai	114.15		82.62	53.04	71.08	83.54	7.77	91.10	88.89
North East	101.87	70.64	91.45		-	89.98		91.18	92.87
Orissa	93.43	71.90	84.70		64.58	91.60	1.44	93.11	86.68
Punjab	101.56	49.18	92.66		13.65	71.17	0.10	88.05	80.76
Rajasthan	92.35	49.10	88.59		15.21	76.30	0.55	93.38	84.73
Tamil Nadu (incl. Chennai)	100.75	67.16	87.45		77.25	80.61	0.72	92.49	86.76
U.P. (E)	100.24	46.28	90.56		46.92	92.10	0.19	91.56	87.41
U.P. (W)	101.45	44.14	88.82		78.16	75.30	0.24	96.42	84.50
West Bengal	92.20	81.28	85.45		71.08	83.90	1.38	94.15	90.41
Total	99.42	57.88	91.27	36.89	59.79	82.50	1.84	92.84	86.97

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	
	BSNL		MTNL		Bharti		Reliance		Tata		Quadrant		Vodafone		Jun-18	Jul-18
	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18	Jun-18	Jul-18		
Andhra Pradesh	1019418	1009701			169691	168865	51579	49369	175726	174200			30720	30480	1447134	1432615
Assam	128326	127085											2730	2760	131056	129845
Bihar	238514	235667					4582	4383	10983	10868			2190	2280	256269	253198
Delhi			1519100	1514317	1336479	1344985	150310	147610	147112	148106			39480	40770	3192481	3195788
Gujarat	1012307	1010761			81245	81248	26340	25559	94596	92419			13638	13968	1228126	1223955
Haryana	230890	228637			22178	22325	3194	3116	37293	36544			150	150	293705	290772
Himachal Pradesh	117566	116832					3380	3220	2010	1954			30	30	122986	122036
J & K	111388	110452													111388	110452
Karnataka	1074243	1063309			654011	654881	151405	148674	275845	277803			38625	39305	2194129	2183972
Kerala	1833642	1824114			58523	59018	21004	20752	18776	19668			2730	2880	1934675	1926432
Kolkata	540418	533562			124674	125060	44538	44061	52669	52245			7500	7710	769799	762638
Madhya Pradesh	656620	656591			242248	241552	12540	11543	15510	16091			780	780	927698	926557
Maharashtra	1206056	1189720			85434	86158	59079	57108	300860	301418			17854	16416	1669283	1650820
Mumbai			1796131	1792346	361994	361611	210738	204563	571134	571247			39947	41969	2979944	2971736
North East	108258	108330											270	270	108528	108600
Orissa	254203	253372					2907	2682	7849	7592			1800	1740	266759	265386
Punjab	446168	438450			123770	124353	12422	11868	14430	14076	239215	237834	1440	1590	837445	828171
Rajasthan	489358	482385			50709	50924	26048	25803	12323	12036			7200	6990	585638	578138
Tamil Nadu (incl. Chennai)	1496764	1485173			557697	556595	81038	79573	118790	118442			17400	17460	2271689	2257243
U.P.(E)	362574	362105			64175	64501	11142	10788	12130	11181			11430	11580	461451	460155
U.P.(W)	298803	294324			22276	22409	4852	4555	8296	8332			4230	3840	338457	333460
West Bengal	261949	255661					1769	1771	2853	2759			90	90	266661	260281
Total	11887465	11786231	3315231	3306663	3955104	3964485	878867	856998	1879185	1876981	239215	237834	240234	243058	22395301	22272250
Net Addition		-101234		-8568		9381		-21869		-2204		-1381		2824		-123051
Rural Subscribers	3130151	3099640	0	0	0	0	1576	1553	53379	53440	50359	49844	0	0	3235465	3204477

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.