

**TELECOM REGULATORY AUTHORITY OF INDIA**

New Delhi, 24th April, 2018
(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 28th February, 2018**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1156.87	22.97	1179.83
Net Addition in February, 2018 (Million)	4.93	-0.10	4.83
Monthly Growth Rate	0.43%	-0.45%	0.41%
Urban Telephone Subscribers (Million)	650.03	19.60	669.63
Net Addition in February, 2018 (Million)	-2.82	-0.09	-2.91
Monthly Growth Rate	-0.43%	-0.47%	-0.43%
Rural Telephone Subscribers (Million)	506.84	3.37	510.20
Net Addition in February, 2018 (Million)	7.75	-0.01	7.74
Monthly Growth Rate	1.55%	-0.34%	1.54%
Overall Tele-density* (%)	89.12	1.77	90.89
Urban Tele-density* (%)	158.46	4.78	163.24
Rural Tele-density* (%)	57.09	0.38	57.47
Share of Urban Subscribers	56.19%	85.34%	56.76%
Share of Rural Subscribers	43.81%	14.66%	43.24%
Broadband Subscribers (Million)	374.34	17.72	392.06

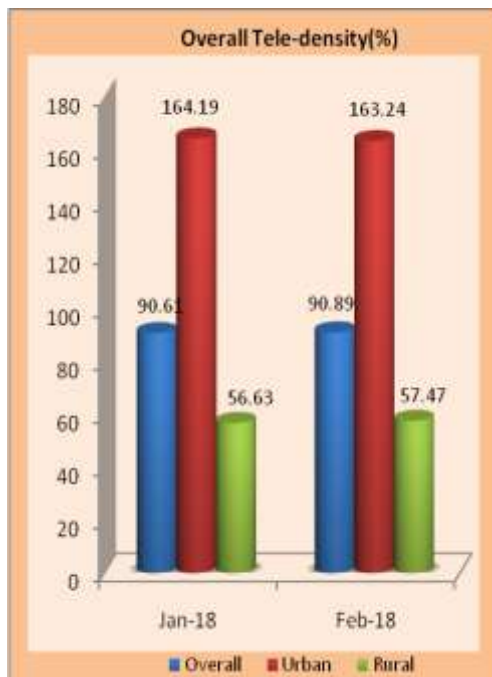
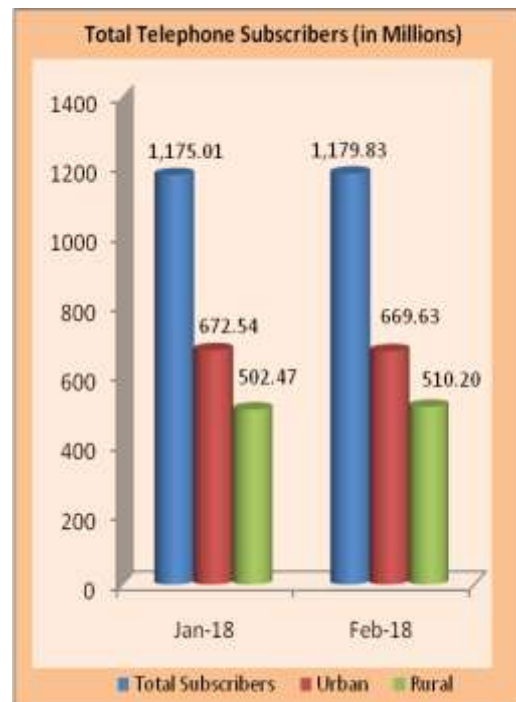
- ❖ In the month of February, 2018, 6.57 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 344.59 million at the end of Jan-18 to 351.16 million at the end of Feb-18, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in February, 2018 was 981.21 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.

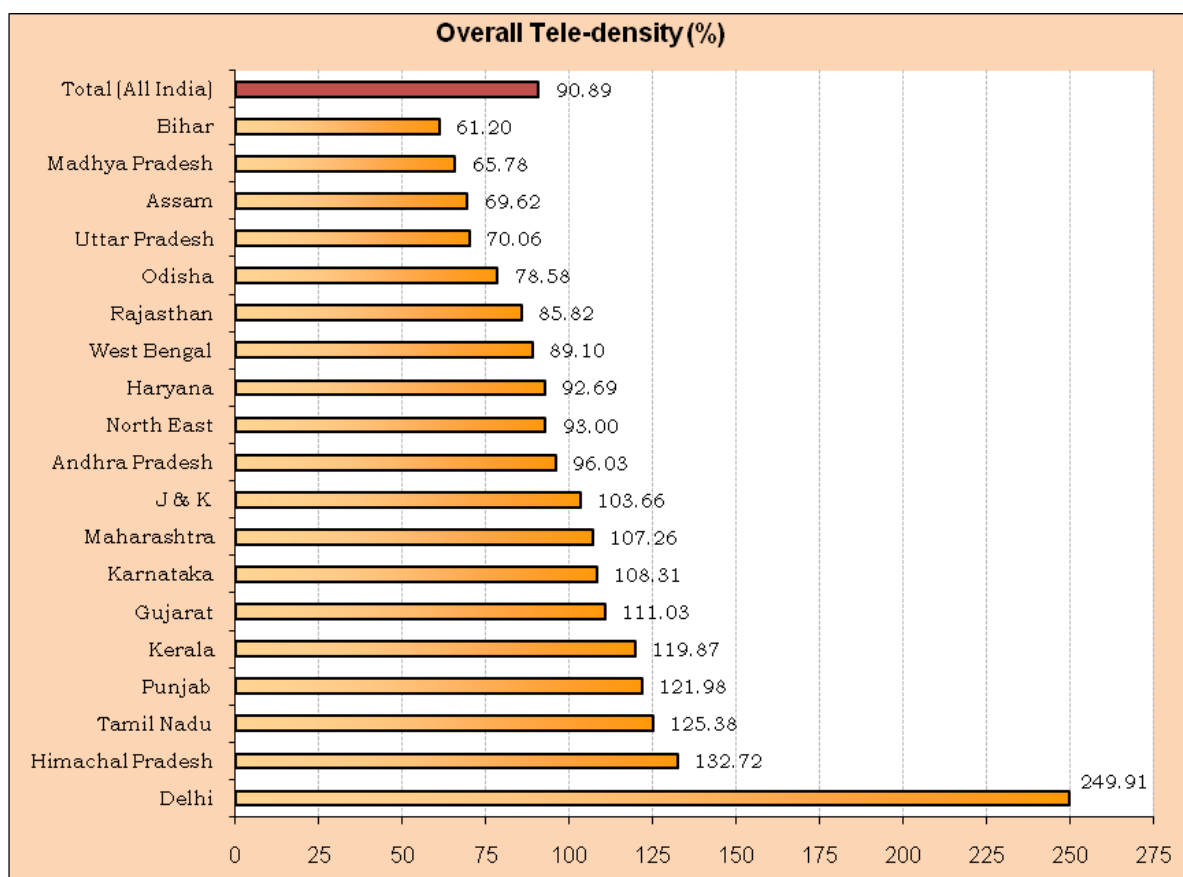
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,175.01 million at the end of Jan-18 to 1,179.83 million at the end of Feb-18, thereby showing a monthly growth rate of 0.41%. The urban subscription declined from 672.54 million at the end of Jan-18 to 669.63 million at the end of Feb-18, however the rural subscription increased from 502.47 million to 510.20 million during the same period. The monthly growth rates of urban and rural subscription were -0.43% and 1.54% respectively during the month of Feb-18.



- The overall Tele-density in India increased from 90.61 at the end of Jan-18 to 90.89 at the end of Feb-18. The Urban Tele-density declined from 164.19 at the end of Jan-18 to 163.24 at the end of Feb-18, however Rural Tele-density increased from 56.63 at the end of Jan-18 to 57.47 at the end of Feb-18. The share of urban and rural subscribers in total number of telephone subscribers at the end of Feb-18 was 56.76% and 43.24% respectively.

Overall Tele-density (Circle/State Wise) – As on 28th February, 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 February, 2018

Circle Category	Net additions in the month of February, 2018		Telephone Subscriber base as on 28 th February, 2018	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-52,570	185,293	9,078,107	402,993,202
Circle B	-28,859	1,782,367	5,822,998	459,283,378
Circle C	3,433	3,778,268	1,045,138	177,963,053
Metro	-26,262	-814,498	7,018,779	116,628,219
All India	-104,258	4,931,430	22,965,022	1,156,867,852

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

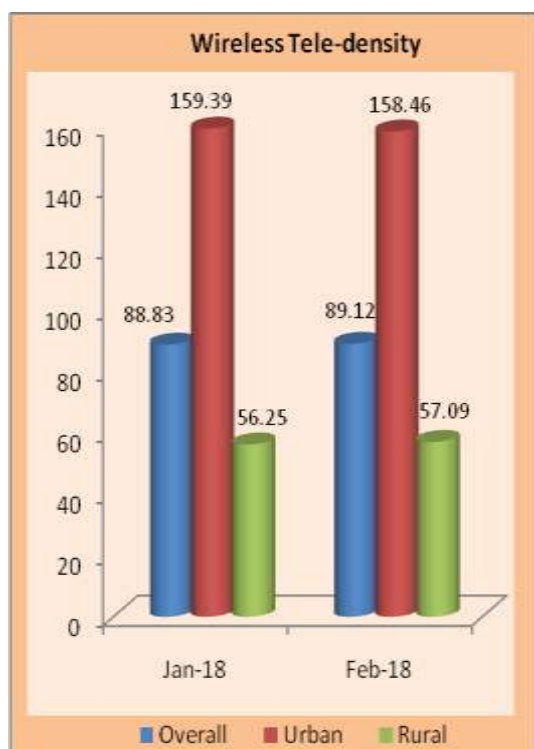
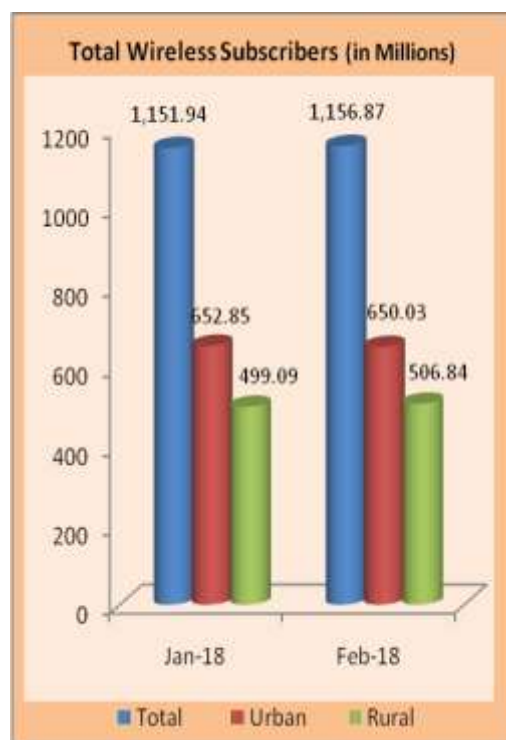
Circle Category	Monthly growth rate (%) (Jan-18 to Feb-18)		Yearly growth rate (%) (Feb-17 to Feb-18)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.58	0.05	-5.43	-0.95
Circle B	-0.49	0.39	-9.85	-1.20
Circle C	0.33	2.17	-10.26	2.62
Metro	-0.37	-0.69	-1.46	-2.06
All India	-0.45	0.43	-5.68	-0.63

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, Metro Circles showed negative monthly growth in subscriber base during the month of Feb-18. Circles of all other categories showed positive monthly growth rate in wireless subscribers during the month.
- In Wireline segment, Circles of Category-C showed positive monthly growth rate in number of wireline subscribers during the month of Feb-18. Circles of all other categories showed decline in their subscriber base during the same period.

III. Wireless Subscribers

- Total wireless subscribers (GSM, CDMA & LTE) increased from 1,151.94 million at the end of Jan-18 to 1,156.87 million at the end of Feb-18, thereby registering a monthly growth rate of 0.43%. The Wireless subscription in urban areas declined from 652.85 million at the end of Jan-18 to 650.03 million at the end of Feb-18, however wireless subscriptions in rural areas increased from 499.09 million to 506.84 million during the month. The monthly growth rates of urban and rural wireless subscription were -0.43% and 1.55% respectively.

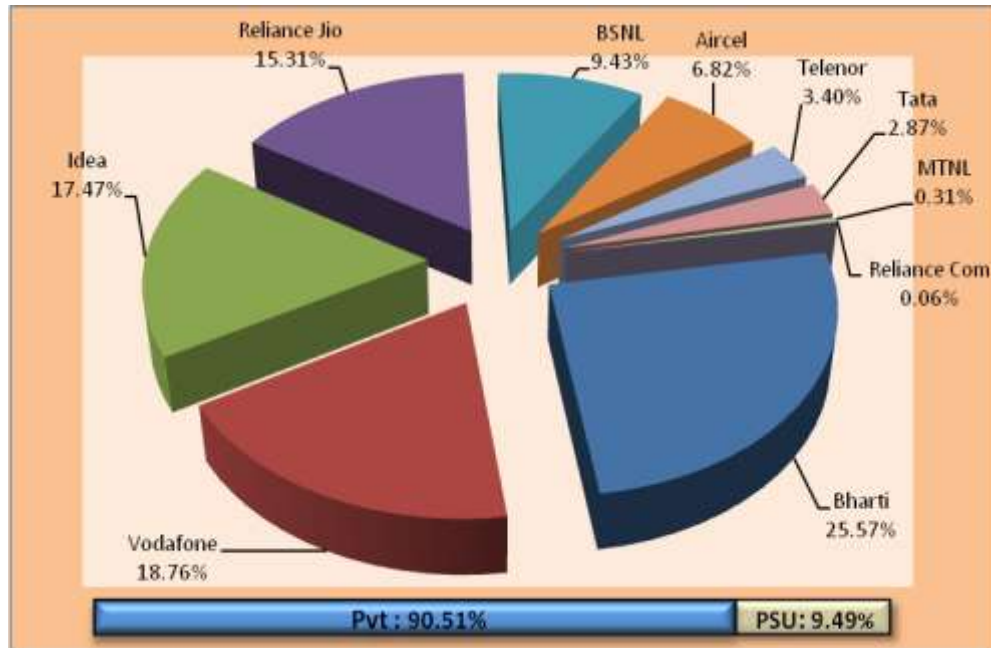


- The Wireless Tele-density in India increased from 88.83 at the end of Jan-18 to 89.12 at the end of Feb-18. The Urban Wireless Tele-density declined from 159.39 at the end of Jan-18 to 158.46 at the end of Feb-18, however Rural Wireless Tele-density increased from 56.25 to 57.09 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 56.19% and 43.81% respectively at the end of Feb-18. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

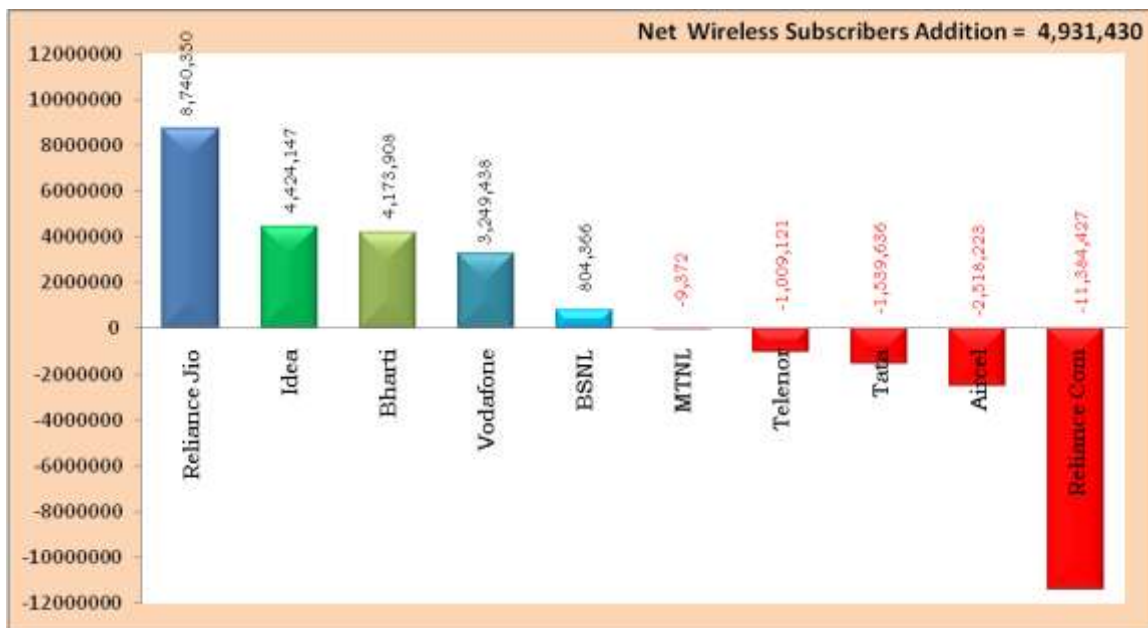
- As on 28th February, 2018, the private access service providers held 90.51% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 9.49%.

- 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 28th February, 2018



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

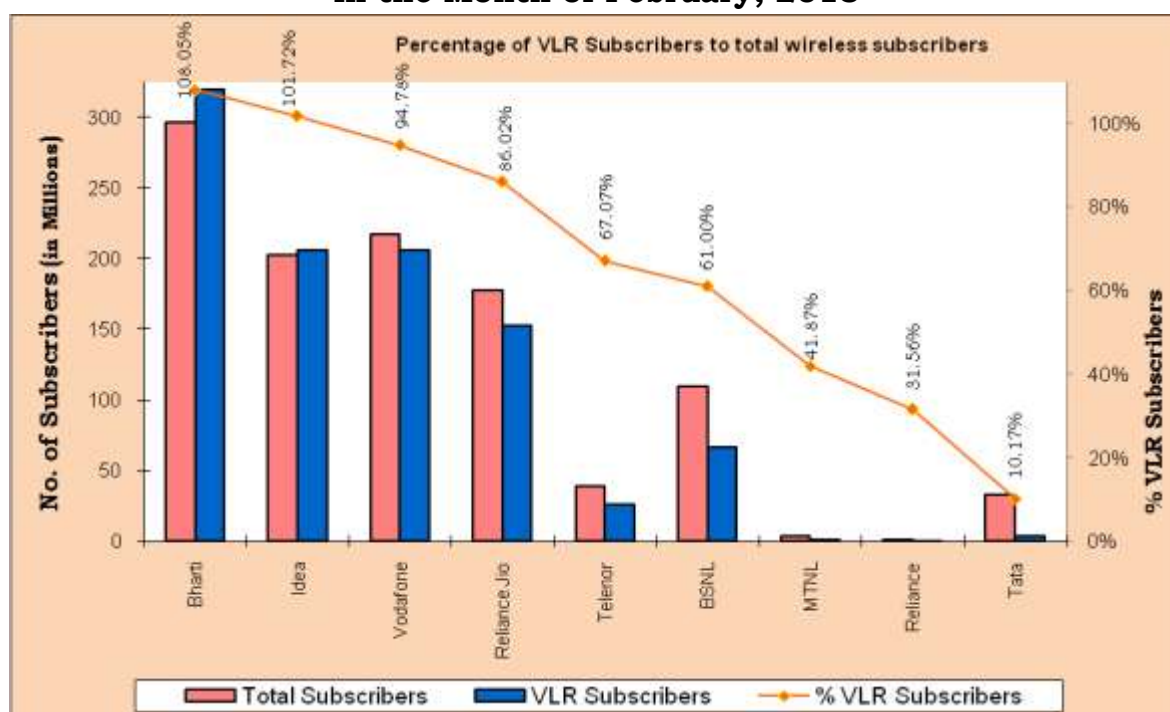


- Note:**
- On noticing that while reporting number of subscribers, some of the TSPs were deducting inactive subscribers. A Direction was issued on 18th August 2017 to TSPs to strictly adhere to the Department of Telecommunications’ methodology for reporting their number of subscribers. However, some of the Telecom Service Providers are yet to comply with the Direction.
 - M/s Aircel Ltd has reported estimated subscriber base for the month of February, 2018 due to some technical problem as majority of their core network nodes are shut down.

IV. Active Wireless Subscribers (VLR Data)

- Out of the total wireless subscribers (1,156.87 million), 981.21 million wireless subscribers were active (except Aircel) on the date of peak VLR in the month of Feb-18. The proportion of active wireless subscribers was approximately 84.82% 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 Feb-18 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

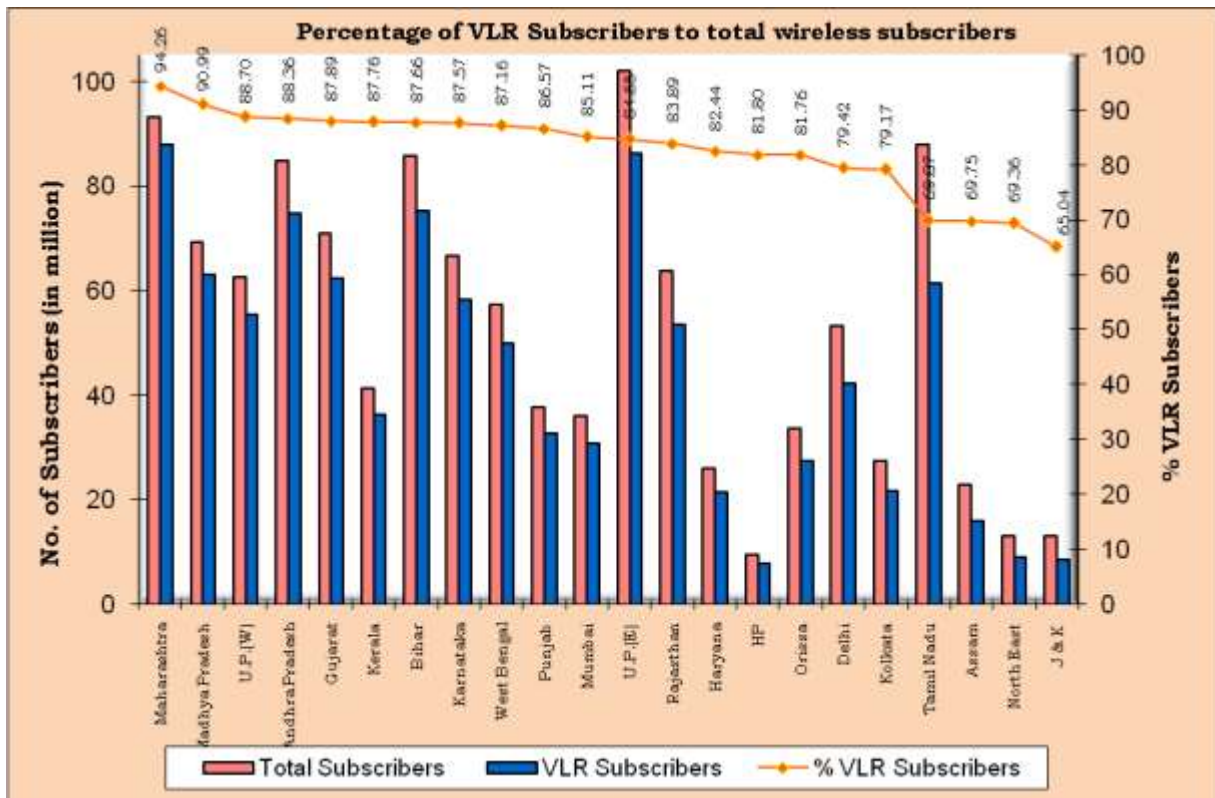
Access Service Provider-wise Percentage of VLR Subscribers in the Month of February, 2018



Note-

1. Number of VLR subscribers of Bharti Airtel and Idea Cellular were more than their subscriber base due to a large number of inroamers in its network.
2. M/s Aircel Ltd has not reported their peak VLR subscribers for the month of February, 2018 due to some technical problem.

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

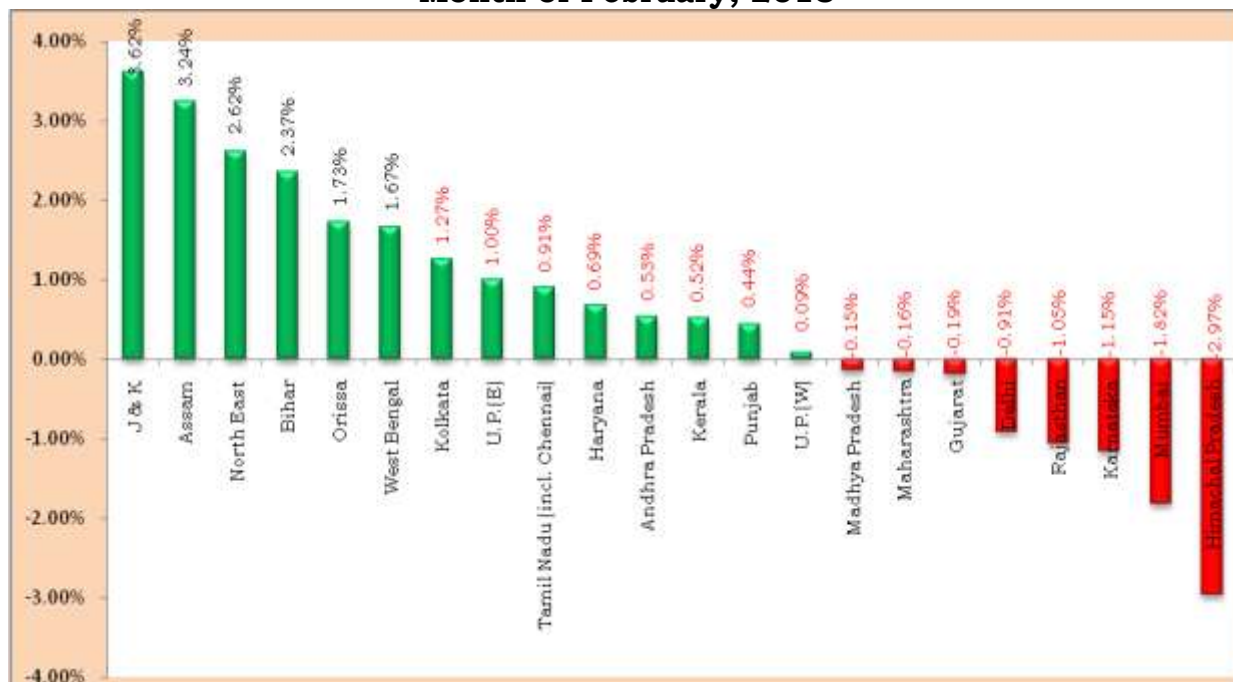


V. Growth in Wireless Subscribers

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



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



- During the month of February, 2018, Jammu & Kashmir service area showed maximum growth rate (3.62%) in wireless subscribers. However, Himachal Pradesh service areas showed maximum decline rate (2.97%) 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 Feb-18, a total of 6.57 million requests were received for MNP. With this, the cumulative MNP requests increased from 344.59 million at the end of Jan-18 to 351.16 million at the end of Feb-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 29.16 million) followed by Maharashtra (about 25.02 million) service area.
- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 35.65 million) followed by Andhra Pradesh (about 30.57 million).

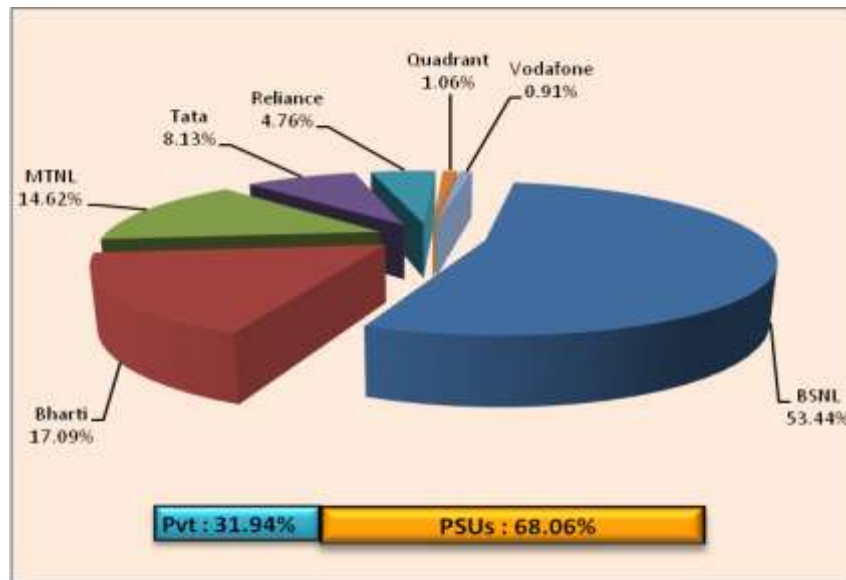
Service Area Wise MNP Status at the end of February, 2018			
Zone -I		Zone - II	
Service Area	Number of Porting Requests	Service Area	Number of Porting Requests
Delhi	17,029,943	Andhra Pradesh	30,571,914
Gujarat	24,215,653	Assam	2,161,672
Haryana	13,459,912	Bihar	12,797,413
Himachal Pradesh	1,769,343	Karnataka	35,651,671
Jammu & Kashmir	403,091	Kerala	8,956,962
Maharashtra	25,016,876	Kolkata	8,003,327
Mumbai	19,215,969	Madhya Pradesh	24,633,003
Punjab	13,424,108	North East	712,500
Rajasthan	29,156,006	Orissa	6,848,257
Uttar Pradesh - East	18,744,840	Tamil Nadu	23,710,410
Uttar Pradesh - West	15,799,896	West Bengal	18,877,405
Total	178,235,637	Total	172,924,534
Total (Zone-I + Zone-II)		351,160,171	
Net Addition (in February, 2018)		6,572,728	

VII. Wireline Subscribers

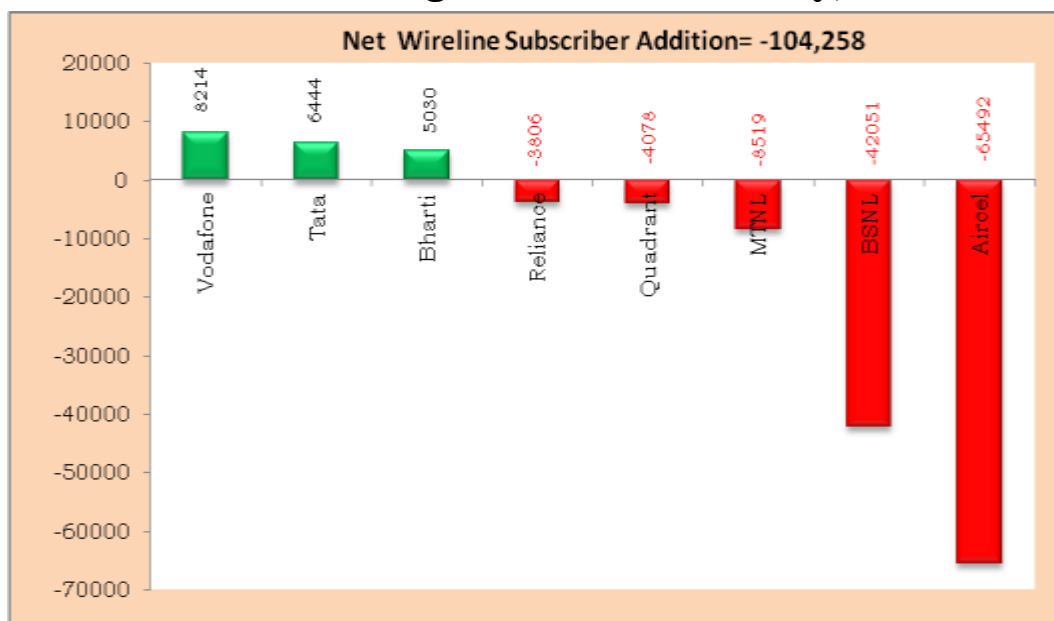
- Wireline subscribers further declined from 23.07 million at the end of Jan-18 to 22.97 million at the end of Feb-18. Net decline in the wireline subscriber base was 0.10 million with a monthly decline rate of 0.45%. The share of urban and rural subscribers in total wireline subscribers were 85.34% and 14.66% respectively at the end of Feb-18.

- The Overall Wireline Tele-density(%) declined from 1.78 at the end of Jan-18 to 1.77 at the end of Feb-18. Urban and Rural Wireline Tele-density were 4.78 and 0.38 respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 68.06% 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 28th February, 2018



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



Note: M/s Aircel Ltd has reported that all their wireline subscribers have been charned out during February, 2018. Hence, their wireline subscriber may be taken as 'NIL'.

VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from the service providers, the number of broadband subscribers increased from 378.10 million at the end of Jan-18 to 392.06 million at the end of Feb-18 with a monthly growth rate of 3.69%. Segment-wise broadband subscribers and their monthly growth rates are as below:

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

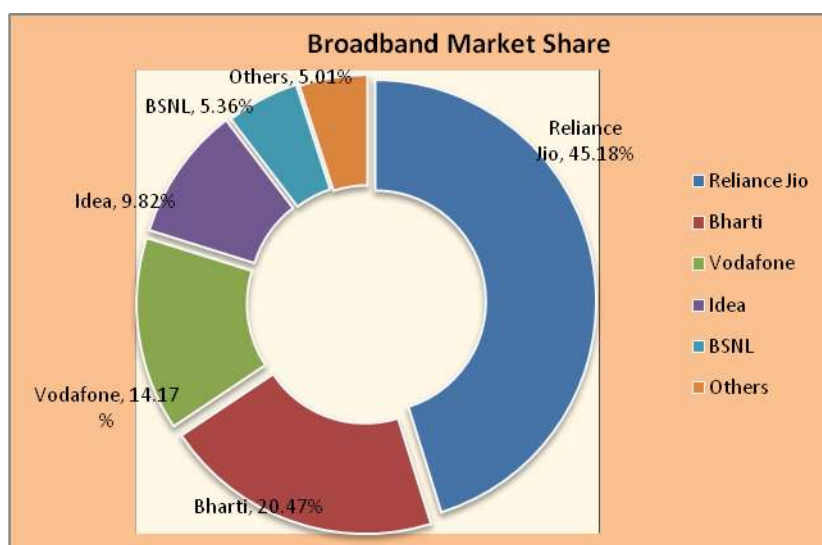
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Feb-18
	As on 31 st January, 2018	As on 28 th February, 2018	
Wired subscribers	17.87	17.72	-0.88%
Mobile devices users (Phones and dongles)	359.80	373.94	3.93%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.43	0.40	-6.82%
Total	378.10	392.06	3.69%

- Top five service providers constituted 94.99% market share of the total broadband subscribers at the end of Feb-18. These service providers were Reliance Jio Infocomm Ltd (177.13 million), Bharti Airtel (80.24 million), Vodafone (55.54 million), Idea Cellular (38.52 million) and BSNL (21.00 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 28.02.2018**



- As on 28th February, 2018, the top five Wired Broadband Service providers were BSNL (9.30 million), Bharti Airtel (2.17 million), Atria Convergence Technologies (1.30 million), MTNL (0.88 million) and Hathway Cable & Datacom (0.75 million).
- As on 28th February, 2018, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (177.13 million), Bharti Airtel (78.07 million), Vodafone (55.54 million), Idea Cellular (38.52 million) and BSNL (11.71 million).

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Pr. Advisor (F&EA)

Wireless Subscriber Base

Annexure-I

Circle	Group											
	Bharti		Reliance Com.		Vodafone		Tata		Idea		Aircel	
	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18
Andhra Pradesh	27243637	27251565	282891	19827	6540448	6494795	2956652	2859999	16732811	16959683	2315578	2280719
Assam	6781535	7105674	43786	191	3787660	3888691			1156627	1232547	5840961	5811412
Bihar	31266989	31709390	107582	2546	9605053	9971851	772008	717505	12177362	12973886	7361102	7301632
Delhi	13124580	13430668	1693900	190170	11819724	12073447	1324675	1273486	6862009	7054416	6576054	6463337
Gujarat	9654665	9694772	872692	4778	20661425	20777643	1773289	1682979	13521096	13827984	63	0
Haryana	3958397	3959144	158084	1795	6351878	6415596	1443777	1388730	5117357	5192491	0	0
Himachal Pradesh	3456770	3494635	191102	2250	593564	591311	19608	18776	915167	933628	249378	0
J & K	4092834	4380565	20618	678	846617	864896			565191	614123	3457011	3447971
Karnataka	24437369	24560021	1063543	24871	7673507	7731099	5081163	4854192	9339800	9419029	2772679	2709742
Kerala	4870592	4893666	149461	4425	7893797	7917355	831541	759349	11656555	11826218	241862	234634
Kolkata	5644255	5731923	146994	12036	6055728	6183545	1793665	1716310	2461891	2579685	4170547	4117033
Madhya Pradesh	15116472	15278517	1427387	238352	6548274	6596051	3195543	3092328	26596987	27011779	52	0
Maharashtra	14695353	14618006	360042	8776	20397736	20535989	3658218	3490226	28863475	29414944	604533	0
Mumbai	7754611	7834821	1123339	99793	9726376	9775597	2085651	2007357	4506549	4571220	2370747	2324424
North East	4431631	4598186	0	0	1576256	1619941			468784	496730	3349248	3341127
Orissa	12017446	12197449	99785	817	4314124	4455900	1140557	1075049	1746062	1852991	3967939	3937802
Punjab	9787421	9821577	298669	3319	4939076	4960073	1375384	1324804	7447396	7536584	821072	801576
Rajasthan	21822760	21941342	1486119	17834	11808027	11886569	408296	381492	7850159	7957854	6169611	6118012
Tamil Nadu (incl. Chennai)	20028886	21035649	951604	22251	16630703	17407912	2573186	2418833	5567682	5620972	20139301	19448120
U.P.(E)	25288013	25655097	812885	11754	22752762	23240071	2264851	2172047	11714732	12058084	6248159	6171020
U.P.(W)	9212063	9390765	653653	8099	12304037	12415851	1957605	1897864	16632960	16999958	268618	0
West Bengal	16929555	17206310	117220	2367	20983852	21255879	127887	112594	5742153	5932146	4518390	4416121
Total	291615834	295789742	12061356	676929	213810624	217060062	34783556	33243920	197642805	202066952	81442905	78924682
Net Addition		4173908		-11384427		3249438		-1539636		4424147		-2518223
Rural Subscribers	149298001	152300293	1794103	72864	115620406	117208473	5808882	5378104	106186586	109293224	30051108	29457658

Wireless Subscriber Base

Annexure-I (contd.)

Circle	Group										Net Addition
	BSNL		MTNL		Telenor		Reliance Jio		Total		
	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	
Andhra Pradesh	10092416	10116142			4075080	3944730	13952799	14711909	84192312	84639369	447057
Assam	1656069	1722298					2965719	3192794	22232357	22953607	721250
Bihar	4184999	4248552			7585823	7357619	10765422	11527727	83826340	85810708	1984368
Delhi			2293024	2287665			9883575	10316656	53577541	53089845	-487696
Gujarat	5634211	5700170			6835021	6572212	12087518	12647923	71039980	70908461	-131519
Haryana	4306538	4352454					4372494	4575236	25708525	25885446	176921
Himachal Pradesh	2504005	2520709					1796778	1876235	9726372	9437544	-288828
J & K	1553874	1566655					2022972	2138379	12559117	13013267	454150
Karnataka	7265239	7266839					9643863	9936567	67277163	66502360	-774803
Kerala	10283343	10374603					5214732	5344457	41141883	41354707	212824
Kolkata	1334008	1382818					5478242	5706181	27085330	27429531	344201
Madhya Pradesh	5910914	5912472					10416340	10981815	69211969	69111314	-100655
Maharashtra	7039426	7069321			5412303	5156825	12325133	12911454	93356219	93205541	-150678
Mumbai			1281108	1277095			7931465	8218536	36779846	36108843	-671003
North East	1518611	1522923					1451637	1552237	12796167	13131144	334977
Orissa	5266457	5305906					4492062	4790869	33044432	33616783	572351
Punjab	5199175	5242265					7597707	7941457	37465900	37631655	165755
Rajasthan	5560512	5616033					9241448	9750616	64346932	63669752	-677180
Tamil Nadu (incl. Chennai)	9928807	10016832					11122066	11766902	86942235	87737471	795236
U.P.(E)	11510334	11614218			9447236	9403657	10795225	11515140	100834197	101841088	1006891
U.P.(W)	5831668	5842535			6947009	6858308	8602178	9053407	62409791	62466787	56996
West Bengal	1730836	1722063					6231921	6675149	56381814	57322629	940815
Total	108311442	109115808	3574132	3564760	40302472	39293351	168391296	177131646	1151936422	1156867852	4931430
Net Addition		804366		-9372		-1009121		8740350	0	4931430	
Rural Subscribers	35115090	35319309	47924	47812	11438006	11151469	43727373	46606443	499087479	506835649	7748170

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

Annexure-II

Circle	Aircel	Bharti	BSNL	Idea	MTNL	Reliance	Reliance Jio	Tata	Telenor	Vodafone	Total
Andhra Pradesh		107.68	71.69	104.18		88.58	81.72	4.96	64.74	89.15	88.36
Assam		98.95	66.79	99.20		87.43	91.82			94.46	69.75
Bihar		102.91	62.07	100.40		42.97	101.34	13.08	75.12	96.52	87.66
Delhi		102.05		99.37	32.63	17.01	83.67	40.47		95.42	79.42
Gujarat		115.00	50.70	102.97		88.84	83.05	3.01	54.05	95.93	87.89
Haryana		120.84	44.82	103.34		80.78	65.27	3.33		96.74	82.44
Himachal Pradesh		97.88	52.97	112.34		52.67	71.62	0.55		96.49	81.80
J & K		100.61	58.34	104.14		3.39	80.18			91.11	65.04
Karnataka		113.49	69.07	100.94		88.15	82.41	2.22		97.23	87.57
Kerala		108.26	67.85	99.76		77.97	82.85	12.37		96.41	87.76
Kolkata		114.58	65.65	98.42		83.19	89.12	23.24		100.39	79.17
Madhya Pradesh		109.67	61.50	102.90		10.67	85.08	2.78		79.47	90.99
Maharashtra		120.05	58.74	102.16		85.43	91.29	26.95	63.89	97.76	94.26
Mumbai		118.00		91.70	58.42	36.57	88.69	30.28		88.12	85.11
North East		102.74	69.70	100.91		-	85.40			92.31	69.36
Orissa		104.40	71.92	106.17		13.83	94.95	3.61		98.28	81.76
Punjab		113.02	49.29	99.21		76.23	84.63	1.37		94.27	86.57
Rajasthan		99.31	70.19	100.23		71.58	82.04	16.97		97.81	83.89
Tamil Nadu (incl. Chennai)		106.94	66.31	102.66		77.59	84.50	2.35		94.06	69.87
U.P. (E)		110.35	47.22	106.45		84.64	92.74	2.56	69.18	96.08	84.65
U.P. (W)		115.12	46.74	98.70		77.45	85.94	3.25	71.73	99.21	88.70
West Bengal		103.80	82.18	103.36		78.24	81.28	1.64		89.98	87.16
Total		108.05	61.00	101.72	41.87	31.56	86.02	10.17	67.07	94.78	84.82

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		Vodafone		Aircel		Jan-18	Feb-18	
	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18	Jan-18	Feb-18					
Andhra Pradesh	1058998	1052864			166960	167392	72859	72693	172249	172716			26650	26650	5312		1503028	1492315	-10713
Assam	136323	135368											2610	2670			138933	138038	-895
Bihar	253850	257218					6227	6227	11404	11442			2070	2100			273551	276987	3436
Delhi			1549194	1544304	1314227	1314917	160418	159614	142490	144949			31620	32630	14801		3212750	3196414	-16336
Gujarat	1041879	1043825			79090	80352	69936	69887	92601	92600			9857	10037	0		1293363	1296701	3338
Haryana	240,439	239,079			22505	22137	3618	3618	38062	38252							304624	303086	-1538
Himachal Pradesh	119,934	119,801					3864	3864	2352	2343			60	60			126210	126068	-142
J & K	115,041	115,204															115041	115204	163
Karnataka	1111834	1106334			642505	644318	148115	147473	270488	271532			34395	34455	32194		2239531	2204112	-35419
Kerala	1872165	1867853			58253	58299	25385	25241	18791	18672			2460	2520			1977054	1972585	-4469
Kolkata	567354	563998			122368	122699	67209	67205	50668	51912			6600	6630	2568		816767	812444	-4323
Madhya Pradesh	672888	667834			261120	258006	19294	19294	15431	15467			660	660			969393	961261	-8132
Maharashtra	1270492	1264121			81437	82063	74440	74219	308179	308892			15967	16267	0		1750515	1745562	-4953
Mumbai			1816050	1812421	357872	360852	245260	243930	559221	559256			30058	33462	7063		3015524	3009921	-5603
North East	113036	112345											210	210			113246	112555	-691
Orissa	261738	263180					3186	3180	8270	8276			1530	1650			274724	276286	1562
Punjab	476204	472000			120311	121130	18781	18677	15986	15935	247608	243530	1380	1560	30		880300	872832	-7468
Rajasthan	508307	505874			49936	50046	18907	18898	12951	13279			5970	6240	3522		599593	594337	-5256
Tamil Nadu (incl. Chennai)	1541172	1535658			555813	555920	116214	115901	115921	116458			15120	15480			2344240	2339417	-4823
U.P.(E)	365435	366035			64172	63738	33791	33778	13067	12801			9160	11280	2		485627	487632	2005
U.P.(W)	310539	309463			22497	22227	6937	6936	9100	8864			4050	4080			353123	351570	-1553
West Bengal	277118	274641					1831	1831	3134	3163			60	60			282143	279695	-2448
Total	12314746	12272695	3365244	3356725	3919066	3924096	1096272	1092466	1860365	1866809	247608	243530	200487	208701	65492	0	23069280	22965022	-104258
Net Addition		-42051		-8519		5030		-3806		6444		-4078		8214	-65492				-104258
Rural Subscribers	3269102	3258614	0	0	0	0	1699	1693	54692	54808	53769	52620	0	0	0	0	3379262	3367735	-11527

Note: M/s Aircel Ltd has reported that all their wireline subscribers have been charned out during February, 2018. Hence, their wireline subscriber may be taken as 'NIL'.

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.