For immediate release

(Press Release No. 128/2019)

Information Note to the Press





TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 30th December, 2019 (www.trai.gov.in)

Highlights of Telecom Subscription Data as on 31st October, 201											
Particulars	Wireless	Wireline	Total (Wireless+ Wireline)								
Total Telephone Subscribers (Million)	1183.40	21.45	1204.85								
Net Addition in October, 2019 (Million)	9.66	-0.04	9.61								
Monthly Growth Rate	0.82%	-0.20%	0.80%								
Urban Telephone Subscribers (Million)	662.92	18.76	681.69								
Net Addition in October, 2019 (Million)	3.74	0.00	3.74								
Monthly Growth Rate	0.57%	-0.02%	0.55%								
Rural Telephone Subscribers (Million)	520.48	2.68	523.16								
Net Addition in October, 2019 (Million)	5.91	-0.04	5.87								
Monthly Growth Rate	1.15%	-1.47%	1.14%								
Overall Tele-density*(%)	89.55	1.62	91.17								
Urban Tele-density*(%)	156.83	4.44	161.27								
Rural Tele-density*(%)	57.91	0.30	58.21								
Share of Urban Subscribers	56.02%	87.49%	56.58%								
Share of Rural Subscribers	43.98%	12.51%	43.42%								
Broadband Subscribers (Million)	625.00	19.08	644.08								

- In the month of October, 2019, 4.08 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 457.65 million at the end of Sep-19 to 461.73 million at the end of Oct-19, since implementation of MNP.
- Number of active wireless subscribers (on the date of peak VLR[#]) in October, 2019 was 981.19 million.

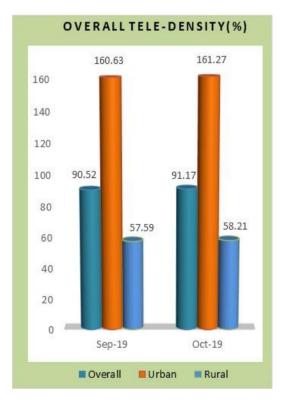
Note:

- 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

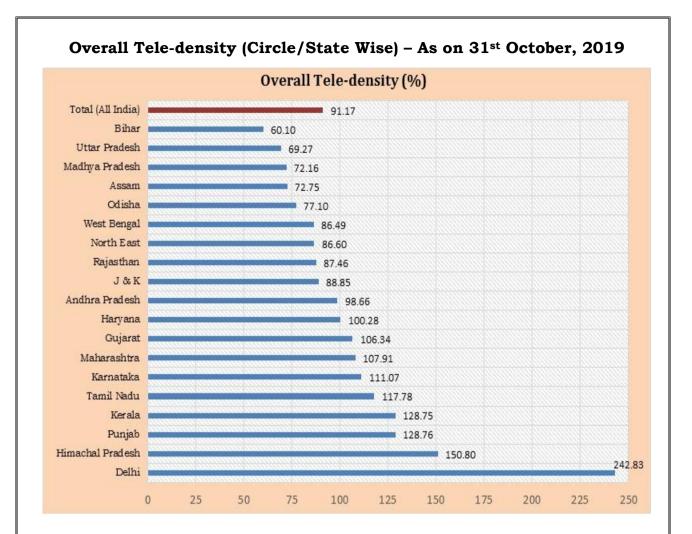
• The number of telephone subscribers in India increased from 1,195.24 million at the end of Sep-19 to 1,204.85 million at the end of Oct-19, thereby showing a monthly growth rate of 0.80%. Urban telephone subscription increased from 677.95 million at the end of Sep-19 to 681.69 million at the end of Oct-19, and the rural subscription also from 517.29 increased million to 523.16 million during the same period. The monthly growth rates of urban and rural subscription were 0.55% and 1.14% respectively during the month of Oct-19.





• The overall Tele-density in India increased from 90.52 at the end of Sep-19 to 91.17 at the end of Oct-19. The Urban Tele-density increased from 160.63 at the end of Sep-19 to 161.27 at the end of Oct-19. Rural Teledensity also increased from 57.59 at the end of Sep-19 to 58.21 at the end of Oct-19. The share of rural and urban subscribers in total number of telephone subscribers at the end of Oct-19 was 56.58% and 43.42% respectively.

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• As may be seen in the above chart, nine states have less tele-density than the all India average tele-density at the end of Oct-19. Delhi service area has maximum tele-density of 242.83 and the Bihar service area has minimum tele-density of 60.10 at the end of October, 2019.

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		s in the month ber, 2019	Telephone Subscriber base as on 31 st October, 2019								
Category	Wireline segment	Wireless segment	Wireline segment	Wireless segment							
Circle A	-14,747	1,734,810	8,295,789	403,611,123							
Circle B	-5,544	5,426,970	5,205,157	481,895,337							
Circle C	6,690	1,803,425	852,953	178,353,169							
Metro	-30,318	690,132	7,092,934	119,543,681							
All India	-43,919	9,655,337	21,446,833	1,183,403,310							

Circle Category-wise Net Additions in Telephone Subscribers in the month of October, 2019

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of October, 2019

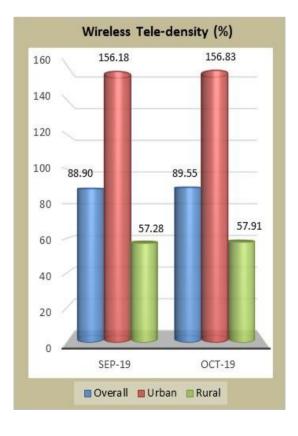
Circle		wth rate (%) to Oct-19)		wth rate (%) to Oct-19)
Category	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.18	0.43	-4.36	0.36
Circle B	-0.11	1.14	-5.55	1.03
Circle C	0.79	1.02	-9.58	1.53
Metro	-0.43	0.58	2.87	3.77
All India	-0.20	0.82	-2.62	1.14

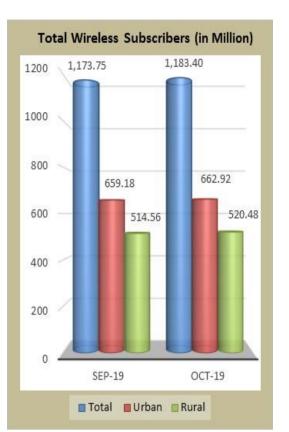
Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

- As can be seen in the above tables, in wireless segment, Circles of all Categories showed monthly and yearly growth in their subscribers during the month of Oct-19. Circles in Category 'B' showed maximum net addition in their number of wireless subscribers.
- In Wireline segment, Circles in Category 'C' showed positive growth in their subscriber base during the month of Oct-19. All other Categories showed decline rate in their subscribers during the month. On yearly basis, Circles in all categories except Metro circles, showed decline in their wireline subscriber base in the month of Oct-19.

III. Wireless Subscribers

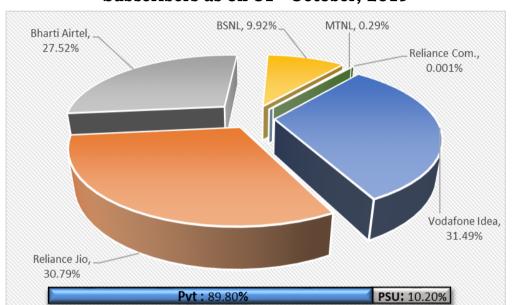
• Total wireless subscribers (2G, 3G & 4G) increased from 1,173.75 million at the end of Sep-19 to 1,183.40 million at the end of Oct-19, thereby registering a monthly growth rate of 0.82%. Wireless subscription in urban areas increased from 659.18 million at the end of Sep-19 to 662.92 million at the of Oct-19, and wireless end subscription in rural areas also increased from 514.56 million at the end of Sep-19 to 520.48 million at the end of Oct-19. Monthly growth rates of urban and rural wireless subscription were 0.57% and 1.15% respectively.





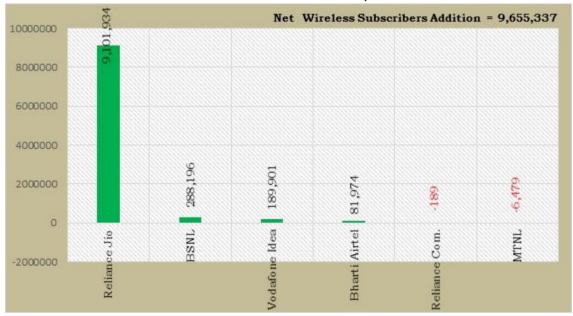
The Wireless Tele-density in India increased from 88.90 at the end of Sep-19 to 89.55 at the end of Oct-19. Wireless Tele-density The Urban increased from 156.18 at the end of Sep-19 to 156.83 at the end of Oct-19 and Rural Wireless Tele-density also increased from 57.28 to 57.91 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 56.02% and 43.98% respectively at the end of Oct-19. Detailed statistics of wireless subscriber base is available at Annexure-I.

• As on 31st October, 2019, the private access service providers held 89.80% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.20%. 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 October, 2019

Net Additions in Wireless Subscribers of Access Service Providers in the month of October, 2019



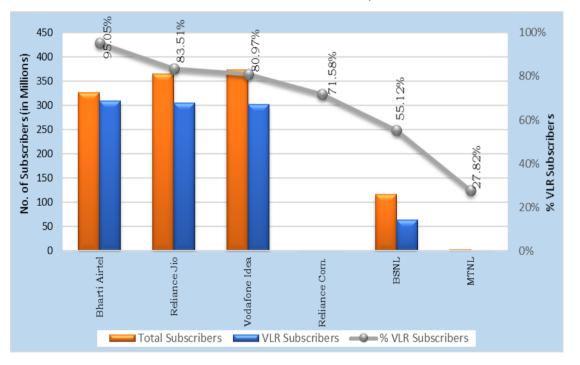
Note: 1. M/s Bharti Airtel Ltd has reported the wireless subscribers including the subscribers of M/s Tata Teleservices Ltd. However, DoT has not yet approved merger of them.

2. Virtual Network Operator (VNO) of BSNL has started reporting of its subscribers from the month of October, 2018 and the same has been included in the subscriber base of BSNL.

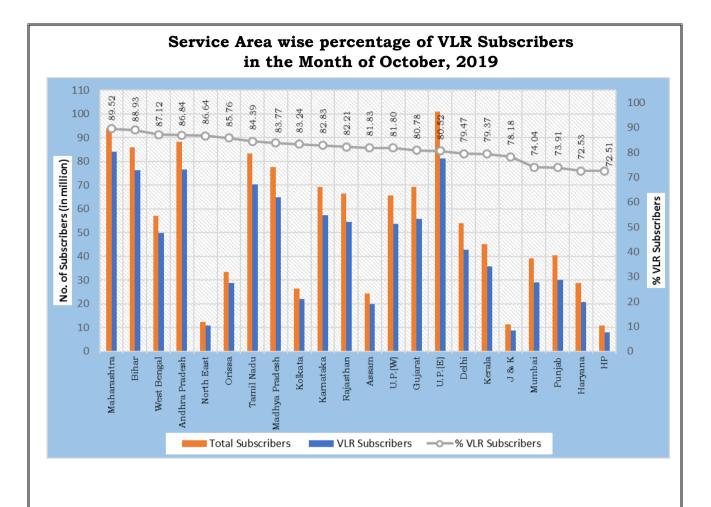
IV. Active Wireless Subscribers (VLR Data)

- of wireless • Out the total subscribers (1.183.40)million). 981.19 million wireless subscribers were active on the date of peak VLR in the month of Oct-19. The proportion of active wireless subscribers was approximately 82.91% 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 Oct-19 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 October, 2019

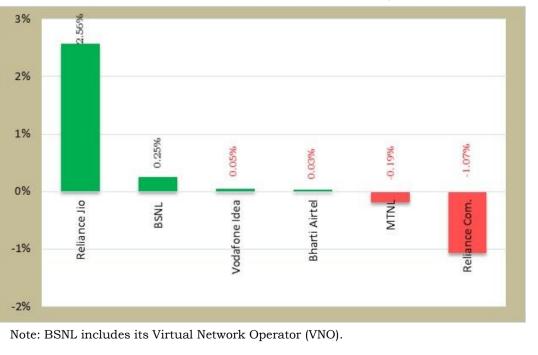


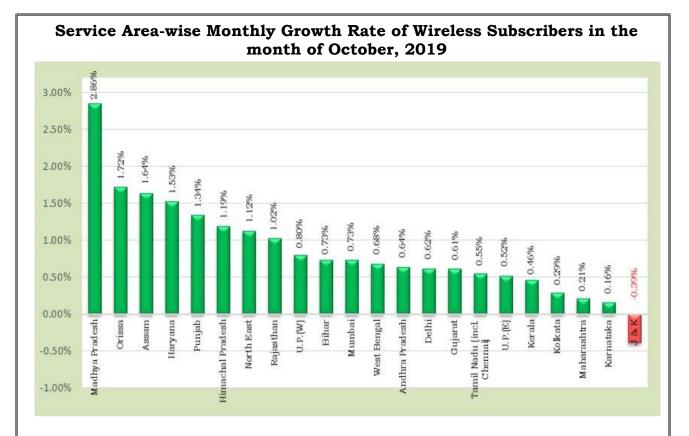
 Bharti Airtel has the maximum proportion (95.05%) of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of Oct-19 and MTNL has the minimum proportion of VLR (27.82%) of its HLR during the same period.



V. Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the month of October, 2019





 Jammu & Kashmir service area showed negative growth of 0.39% in their wireless subscribers during the month of Oct-19. Madhya Pradesh service area showed maximum growth of 2.86% in their wireless subscriber during the month.

VI. Mobile Number Portability (MNP)

- Intra-service area Mobile number portability (MNP) was implemented first in Harvana 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 Oct-19, a total of 4.08 million requests were received for MNP. Out of total 4.08 million new requests, 2.00 million requests received from Zone-I and 2.08 million requests received from Zone-II. The cumulative MNP requests increased from 457.65 million at the end of Sep-19 to 461.73 million at the end of Oct-19, since the implementation of MNP.
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- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Rajasthan (about 36.03 million) followed by Maharashtra (about 34.83 million) service area.
- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 42.26 million) followed by Andhra Pradesh (about 38.90 million).

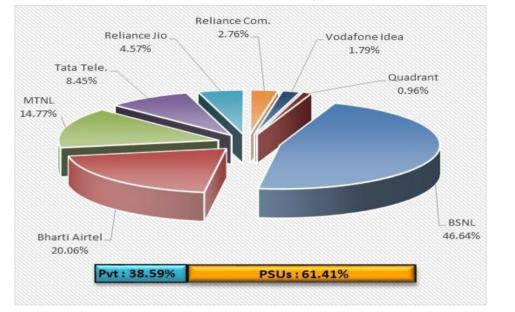
Service Area Wise MNP Status											
Zon	e -1		Zor	ne - 2							
Service Area	Number o Reque Mill		Service Area	Number of Porting Requests (in Million)							
	Sep-19	Oct-19		Sep-19	Oct-19						
Delhi	23.54	23.79	Andhra Pradesh	38.54	38.90						
Gujarat	30.55	30.80	Assam	3.54	3.56						
Haryana	16.70 16.74		Bihar	18.53	18.81						
Himachal Pradesh	2.23	2.23 2.25 Karnataka		42.00	42.26						
Jammu & Kashmir	1.12	1.13	Kerala	11.33	11.53						
Maharashtra	34.34	34.83	Kolkata	10.90	10.97						
Mumbai	23.15	23.24	Madhya Pradesh	30.21	30.54						
Punjab	17.77	17.89	North East	1.38	1.39						
Rajasthan	35.79	36.03	Orissa	9.16	9.24						
U.P.(East)	25.36	25.68	Tamil Nadu	38.29	38.60						
U.P.(West)	20.66 20.8		West Bengal	22.55	22.72						
Total	231.21	233.21	Total	226.44	228.53						
Total (Zone-1 + Zone	e-2)			457.65	461.73						
Net Addition (October	r, 2019)				4.08						

VII. Wireline Subscribers

 Wireline subscribers declined from 21.49 million at the end of Sep-19 to 21.45 million at the end of Oct-19. Net decline in the wireline subscriber base was 0.04 million with a monthly decline rate of 0.20%. The share of urban and rural subscribers in total wireline subscribers were 87.49% and 12.51% respectively at the end of Oct-19.

- The Overall Wireline Tele-density declined from 1.63 at the end of Sep-19 to 1.62 at the end of Oct-19. Urban and Rural Wireline Tele-density were 4.44 and 0.30 respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 61.41% of the wireline market share as on 31st October, 2019. Detailed statistics of wireline subscriber base are available at Annexure-III.

Access Service Provider-wise Market Shares of Wireline Subscribers as on 31st October, 2019



Access Service Provider-wise Net Additions/declines in Wireline Subscribers during the month of October, 2019



VIII. Broadband (≥ 512 Kbps download)

 As per the reports received from 336 operators in the month of October, 2019, the number of broadband subscribers increased from 625.42 million at the end of Sep-19 to 644.08 million at the end of Oct-19 with a monthly growth rate of 2.98%. Segment-wise broadband subscribers and their monthly growth rates are as below:

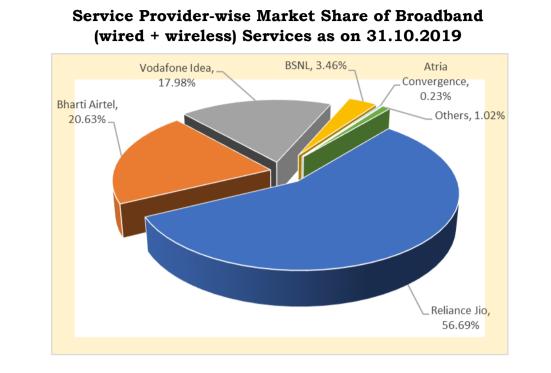
Segment-wise Broadband Subscribers and Monthly Growth Rate in the
month of October, 2019

	Broadband s (in mil	Monthly growth	
Segment	As on 30 th September, 2019	As on 31 st October, 2019	rate in the month of Oct-19
Wired subscribers	19.01	19.08	0.37%
Mobile devices users (Phones and dongles)	605.84	624.41	3.06%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.57	0.59	4.22%
Total	625.42	644.08	2.98%

• Top five service providers constituted 98.98% market share of the total broadband subscribers at the end of Oct-19. These service providers were Reliance Jio Infocom Ltd (365.12 million), Bharti Airtel (132.86 million), Vodafone Idea (115.80 million), BSNL (22.27 million) and Atria Convergence (1.49 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:



- As on 31st October, 2019, the top Broadband Service five Wired providers were BSNL (8.62 million), Bharti Airtel (2.40 million), Atria Convergence Technologies (1.49)million), Hathway Cable 85 (0.87)Datacom million) and Reliance Jio Infocomm Ltd (0.79 million).
- As on 31st October, 2019, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd (364.33 million), Bharti Airtel (130.45 million), Vodafone Idea (115.78 million), BSNL (13.64 million) and MTNL (0.20 million).

Contact details in case of any clarification:

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Authorized to issue:

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

Circle - Andhra Pradesh Assam 5 Bihar 5	Bharti (including Sep-19 28582688		Relian	ce Com.	Vadefa												
Andhra Pradesh Assam	28582688	Oct-19			vodato	Vodafone Idea		BSNL		BSNL (VNO's)		'nl	Relian	ce Jio	Total		Net
Assam			Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Addition
		28545826	1996	2013	20785936	20648025	10001515	9974217					28222163	28981853	87594298	88151934	557636
Bihar	8280541	8310285			5552003	5698641	2683040	2705457					7524695	7719510	24040279	24433893	393614
	35817828	35711415	228	228	18001497	18111434	4972729	5035542					26444863	27002003	85237145	85860622	623477
Delhi	15193043	15292490	1955	1779	19008494	19091543					2193766	2190398	17262657	17414580	53659915	53990790	330875
Gujarat	10901828	10904762	584	582	29609720	29598515	6063321	6068524					22169402	22592688	68744855	69165071	420216
Haryana	4345929	4395690	181	172	10140755	10210941	4991794	5007976					8777374	9072816	28256033	28687595	431562
Himachal Pradesh	3396705	3410759	72	72	1176326	1187943	2916101	2929237					3277717	3366959	10766921	10894970	128049
J & K	5401003	5232540			1066457	1078820	1227142	1263290					3642212	3717749	11336814	11292399	-44415
Karnataka	28348715	28361506	1366	1372	14024742	14115962	7318899	7319075					19412784	19419199	69106506	69217114	110608
Kerala	5468854	5519712	513	533	20080491	20123224	10922639	10922653					8415339	8530002	44887836	45096124	208288
Kolkata	6375036	6348947	33	33	8542813	8498065	1725876	1752817					9749967	9869438	26393725	26469300	75575
Madhya Pradesh	14873699	14819228	911	886	27381561	27552061	6376813	7169907					26789375	28033989	75422359	77576071	2153712
Maharashtra	15457252	15490210	872	874	43258812	43065411	7114912	6325755					27855424	28998313	93687272	93880563	193291
Mumbai	9587377	9628598	3362	3334	14695907	14708919					1199522	1196411	13313741	13546329	38799909	39083591	283682
North East	5204449	5208515	;		2299987	2352533	1470027	1458757					3321927	3414911	12296390	12434716	138326
Orissa	11958328	11944911	339	339	4078824	3983604	5773415	5832597					11061289	11675118	32872195	33436569	564374
Punjab	10244140	10277540	297	292	11255026	11418748	5580919	5624285					12985842	13281121	40066224	40601986	535762
Rajasthan	21228489	21184395	447	420	15543253	15541970	6089184	6096708					22804110	23513775	65665483	66337268	671785
Tamil Nadu (incl. Chennai)	25308215	25418608	2849	2878	23230608	23114232	12207346	12181968	87287	87578			21907077	22391177	82743382	83196441	453059
U.P.(E)	30408251	30489866	871	871	32748382	32664058	11594150	11615374					25590939	26091202	100342593	100861371	518778
U.P.(W)	13172868	13249633	62	62	27740350	27683546	5882986	5882081					18307439	18808356	65103705	65623678	519973
West Bengal	16012386	15904162	769	778	22264844	22228494	2059221	2093714					16386914	16884096	56724134	57111244	387110
Total :	325567624	325649598	17707	17518	372486788	372676689	116972029	117259934	87287	87578	3393288	3386809	355223250	364325184	1173747973	1183403310	9655337
Net Addition		81974		-189		189901		287905		291		-6479		9101934	0	9655337	
Rural Subscribers	138335967	141666588	0	0	193670199	193321464	39647015	37368209	0	0	45850	45779	142865666	148076996	514564697	520479036	5914

Note: 1. The subscribers of M/s Bharti Airtel includes subscribers of M/s Tata Teleservices Ltd. However, DoT has not yet approved the merger of them.

2. Virtual Network Operator (VNO) of BSNL has reported its subscriber number from the month of October, 2018.

Proportion of V	LR on the	date of Pea	k VLR in the	month	of Oct-19 (%)	An	nexure-II
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	101.98	65.57	83.62		64.48	81.53	86.84
Assam	96.32	54.78	69.08			85.13	81.83
Bihar	93.88	55.66	72.87		39.04	99.37	88.93
Delhi	87.24		79.75	18.41	1.24	80.05	79.47
Gujarat	92.12	40.06	86.07		341.07	79.30	80.78
Haryana	102.48	44.19	79.25		103.49	66.11	72.53
Himachal Pradesh	95.48	41.68	80.00		45.83	73.41	72.51
J & K	87.85	79.18	40.72		-	75.08	78.18
Karnataka	96.03	51.28	79.33		-	77.98	82.83
Kerala	94.58	66.70	86.31		33.21	69.39	79.37
Kolkata	91.45	79.62	83.22		-	78.60	83.24
Madhya Pradesh	94.28	47.61	78.66		58.47	92.48	83.77
Maharashtra	98.38	55.25	90.32		42.45	91.08	89.52
Mumbai	78.97		71.18	45.06	-	76.19	74.04
North East	97.88	72.72	67.58		-	88.57	86.64
Orissa	93.53	70.19	80.20		14.45	87.49	85.76
Punjab	97.84	42.52	72.36		24.66	70.04	73.91
Rajasthan	95.56	46.26	82.83		35.24	79.09	82.21
Tamil Nadu (incl. Chennai)	93.73	69.69	86.75		79.53	79.42	84.39
U.P. (E)	97.70	38.47	73.15		39.49	88.40	80.52
U.P. (W)	98.75	42.57	81.63		-	82.37	81.80
West Bengal	93.16	84.14	81.14		28.02	89.65	87.12
Total	95.05	55.12	80.97	27.82	71.58	83.51	82.91

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 S		Subscri	ber Base	:								Annexure	e-III
		NL	MT	NL	Bharti	ti Airtel Reliance Com. Tata		Tata	Tele.	Quad	lrant	Vodafo	ne Idea	Reliar	ice Jio	Tot	al	
Service Area	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19	Sep-19	Oct-19
Andhra Pradesh	825255	818180			213024	212705	36093	34897	174689	173281			45400	45835	82615	94057	1377076	137895
Assam	101798	101030											3330	3330	8164	9541	113292	1139
Bihar	159224	158276					2455	2382	8316	8347			1920	1920	11492	13300	183407	18422
Delhi			1449474	1442500	1503158	1493575	88482	84650	152806	152184			66535	67165	90098	77776	3350553	331785
Gujarat	853515	847524			97626	97387	14983	14519	87974	87629			31386	31476	122230	133529	1207714	121206
Haryana	192571	189959			22751	22362	2130	1970	38745	38792			270	270	4531	19081	260998	27243
Himachal Pradesh	101583	100412					1684	1573	1902	1897			60	60	259	256	105488	10419
J & K	113382	120911													4128	6140	117510	12705
Karnataka	947721	940274			716038	720736	110456	107469	274740	274799			53007	53567	46582	51317	2148544	214816
Kerala	1716430	1705177			62538	62819	13402	12798	19714	19761			4500	5250	9380	11027	1825964	181683
Kolkata	432700	427302			133472	132047	36288	35987	53862	53328			11470	11600	29775	31913	697567	69217
Madhya Pradesh	629848	599419			242992	241111	6186	5699	15215	14964			1230	1770	39713	45804	935184	90876
Maharashtra	969251	952275			104364	105354	42071	41041	266368	265370			25753	26503	31824	35171	1439631	142571
Mumbai			1730772	1725228	383002	384665	159114	155253	549234	548975			67487	69707	185523	199079	3075132	308290
North East	97145	95509											240	240	3115	3712	100500	9946
Orissa	205227	201943					1944	1911	8221	8511			5430	5460	5244	6292	226066	22411
Punjab	349295	342884			137774	137495	10515	10393	12214	12265	209109	205232	1860	3000	32417	36356	753184	74762
Rajasthan	397932	391762			58353	57595	16928	15438	11598	11622			12990	13560	33213	38063	531014	52804
Tamil Nadu (incl. Chennai)	1308841	1294695			547608	546741	60323	58510	125959	125506			23940	25210	70900	80232	2137571	213089
U.P.(E)	310533	306281			63977	63235	4474	3904	8333	8277			12440	12470	26238	30449	425995	42461
U.P.(W)	238018	233204			24144	24164	2469	2368	4773	4885			5430	5460	14358	50251	289192	32033
West Bengal	179223	175070					1654	1654	2511	2530			120	120	5662	7137	189170	18651
Total	10129492	10002087	3180246	3167728	4310821	4301991	611651	592416	1817174	1812923	209109	205232	374798	383973	857461	980483	21490752	2144683
Net Addition		-127405		-12518		-8830		-19235		-4251		-3877		9175		123022		-4391
Rural Subscribers	2630924	2591960	0	0	0	0	1247	1125	47243	47069	41297	40322	0	0	2056	2322	2722767	268279

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.