



सत्यमेव जयते

TELECOM REGULATORY AUTHORITY OF INDIANew Delhi, 19th August, 2019

(www.trai.gov.in)

**Highlights of Telecom Subscription Data as on 30th June, 2019**

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1165.46	21.17	1186.63
Net Addition in June, 2019 (Million)	3.60	-0.12	3.48
Monthly Growth Rate	0.31%	-0.56%	0.29%
Urban Telephone Subscribers (Million)	657.27	18.31	675.58
Net Addition in June, 2019 (Million)	1.00	-0.08	0.93
Monthly Growth Rate	0.15%	-0.41%	0.14%
Rural Telephone Subscribers (Million)	508.19	2.85	511.05
Net Addition in June, 2019 (Million)	2.60	-0.04	2.56
Monthly Growth Rate	0.51%	-1.50%	0.50%
Overall Tele-density*(%)	88.50	1.61	90.11
Urban Tele-density*(%)	156.42	4.36	160.78
Rural Tele-density*(%)	56.68	0.32	56.99
Share of Urban Subscribers	56.40%	86.51%	56.93%
Share of Rural Subscribers	43.60%	13.49%	43.07%
Broadband Subscribers (Million)	576.17	18.42	594.59

❖ In the month of June, 2019, 4.34 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 437.15 million at the end of May-19 to 441.49 million at the end of Jun-19, since implementation of MNP.

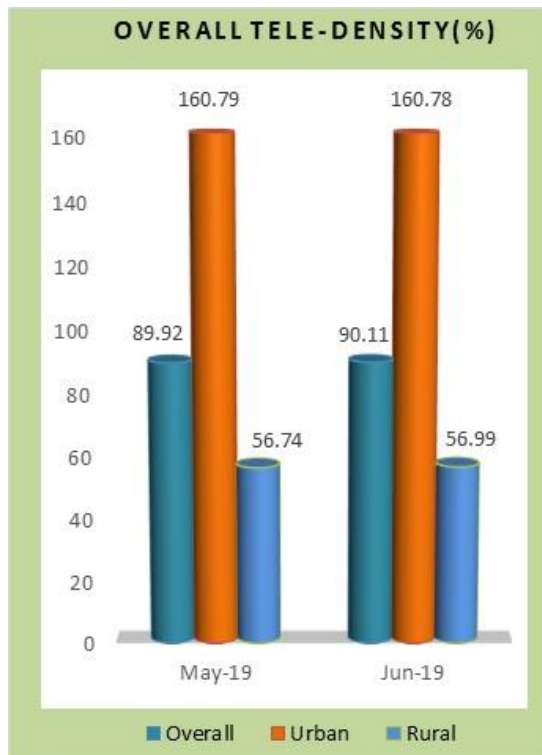
❖ Number of active wireless subscribers (on the date of peak VLR[#]) in June, 2019 was 983.80 million.

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.

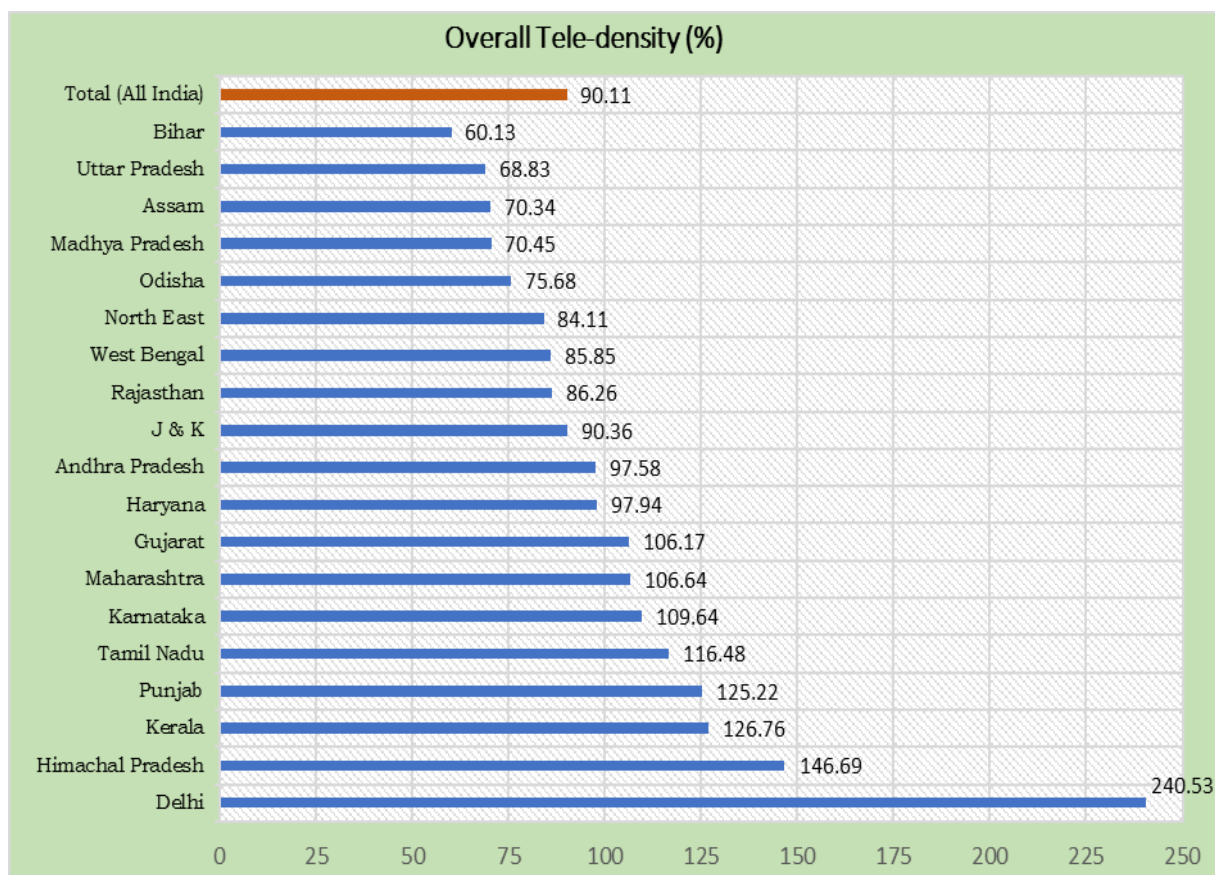
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,183.15 million at the end of May-19 to 1,186.63 million at the end of Jun-19, thereby showing a monthly growth rate of 0.29%. The Urban subscription increased from 674.66 million at the end of May-19 to 675.58 million at the end of Jun-19 and the rural subscription also increased from 508.49 million to 511.05 million during the same period. The monthly growth rates of urban and rural subscription were 0.14% and 0.50% respectively during the month of Jun-19.



- The overall Tele-density in India increased from 89.92 at the end of May-19 to 90.11 at the end of Jun-19. The Urban Tele-density slightly declined from 160.79 at the end of May-19 to 160.78 at the end of Jun-19. However, Rural Tele-density increased from 56.74 at the end of May-19 to 56.99 at the end of Jun-19. The share of rural and urban subscribers in total number of telephone subscribers at the end of Jun-19 was 56.93% and 43.07% respectively.

Overall Tele-density (Circle/State Wise) – As on 30th June, 2019



- Delhi service area has maximum tele-density of 240.53 at the end of Jun-19 and the Bihar service area has minimum tele-density of 60.13 during the same period.

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 June, 2019

Circle Category	Net additions in the month of June, 2019		Telephone Subscriber base as on 30 th June, 2019	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-62,270	947,967	8,196,541	398,773,195
Circle B	-46,003	1,560,153	5,216,309	473,144,757
Circle C	-14,134	656,635	866,725	175,924,695
Metro	2,792	435,384	6,889,957	117,617,113
All India	-119,615	3,600,139	21,169,532	1,165,459,760

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

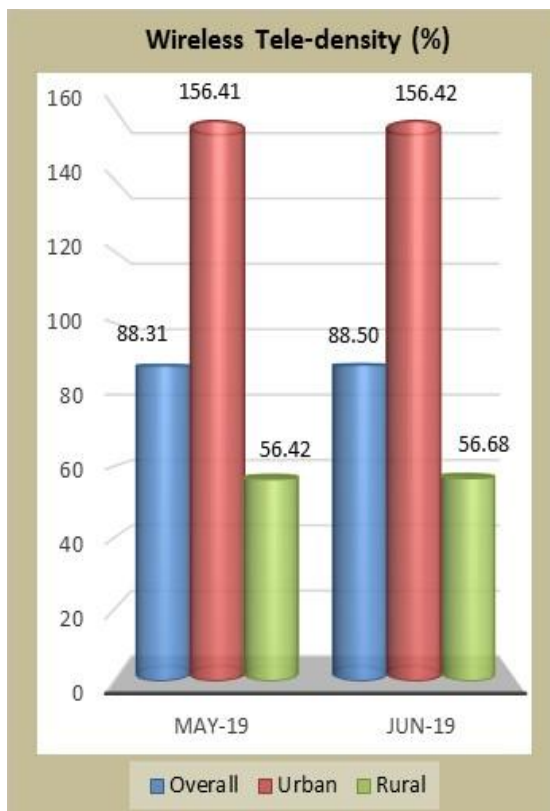
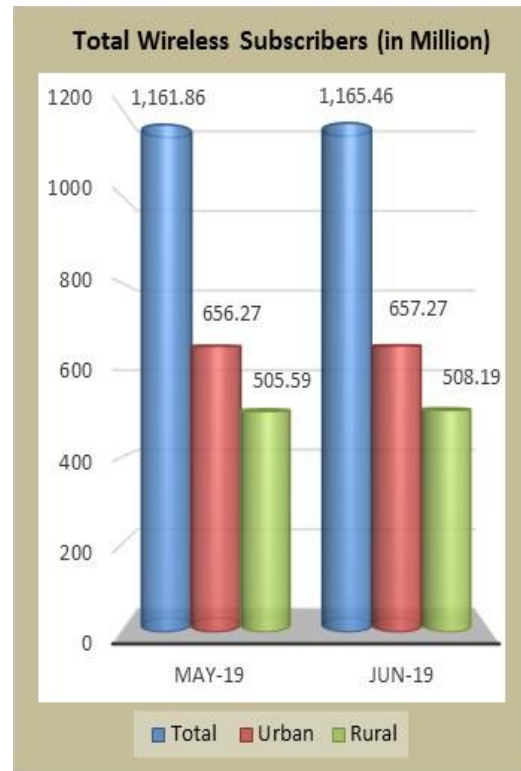
Circle Category	Monthly growth rate (%) (May-19 to Jun-19)		Yearly growth rate (%) (Jun-18 to Jun-19)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-0.75	0.24	-6.97	0.03
Circle B	-0.87	0.33	-7.61	1.42
Circle C	-1.60	0.37	-13.07	3.37
Metro	0.04	0.37	-0.75	5.83
All India	-0.56	0.31	-5.47	1.65

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 growth in their subscribers during Jun-19. Circles in Category 'B' showed maximum net addition in their wireless subscribers during the month.
- In Wireline segment, Metro Circles showed monthly growth in their subscriber during Jun-19. All other Categories showed decline rate in their subscribers during the month.

III. Wireless Subscribers

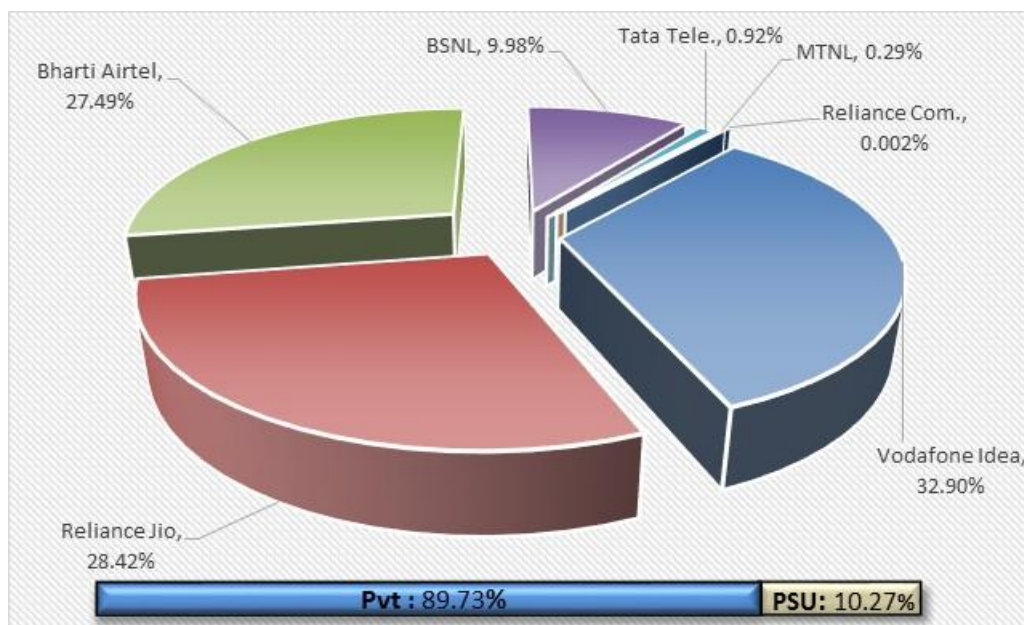
- Total wireless subscribers (GSM, CDMA & LTE) increased from 1,161.86 million at the end of May-19 to 1,165.46 million at the end of Jun-19, thereby registering a monthly growth rate of 0.31%. Wireless subscription in urban areas increased from 656.27 million at the end of May-19 to 657.27 million at the end of Jun-19 and wireless subscription in rural areas increased from 505.59 million at the end of May-19 to 508.19 million at the end of Jun-19. Monthly growth rates of urban and rural wireless subscription were 0.15% and 0.51% respectively.



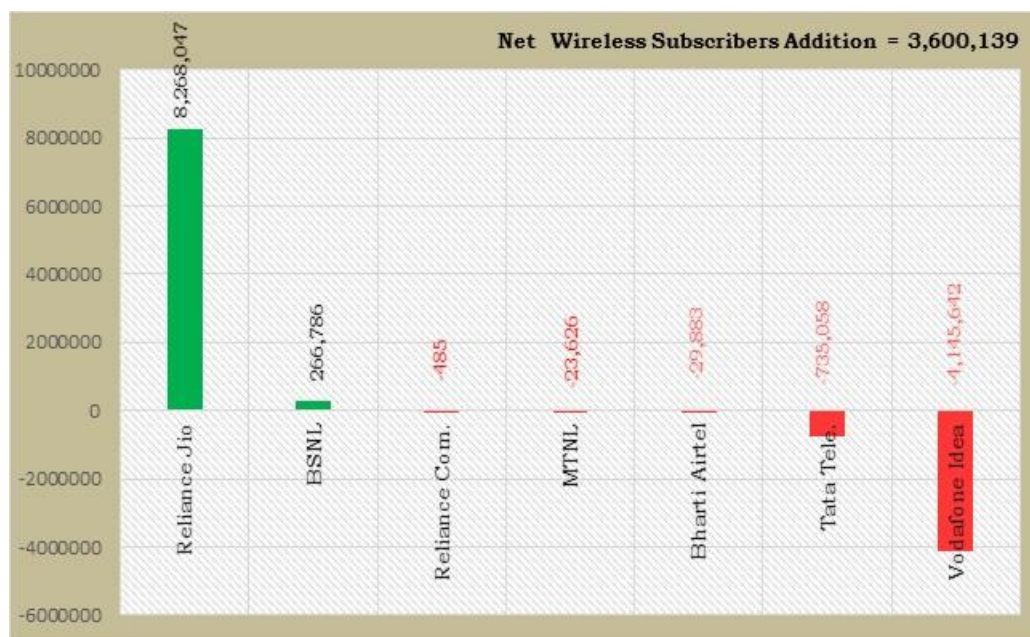
- The Wireless Tele-density in India increased from 88.31 at the end of May-19 to 88.50 at the end of Jun-19. The Urban Wireless Tele-density slightly increased from 156.41 at the end of May-19 to 156.42 at the end of Jun-19 and Rural Wireless Tele-density increased from 56.42 to 56.68 during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 56.40% and 43.60% respectively at the end of Jun-19. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 30th June, 2019, the private access service providers held 89.73% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.27%. 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, 2019



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

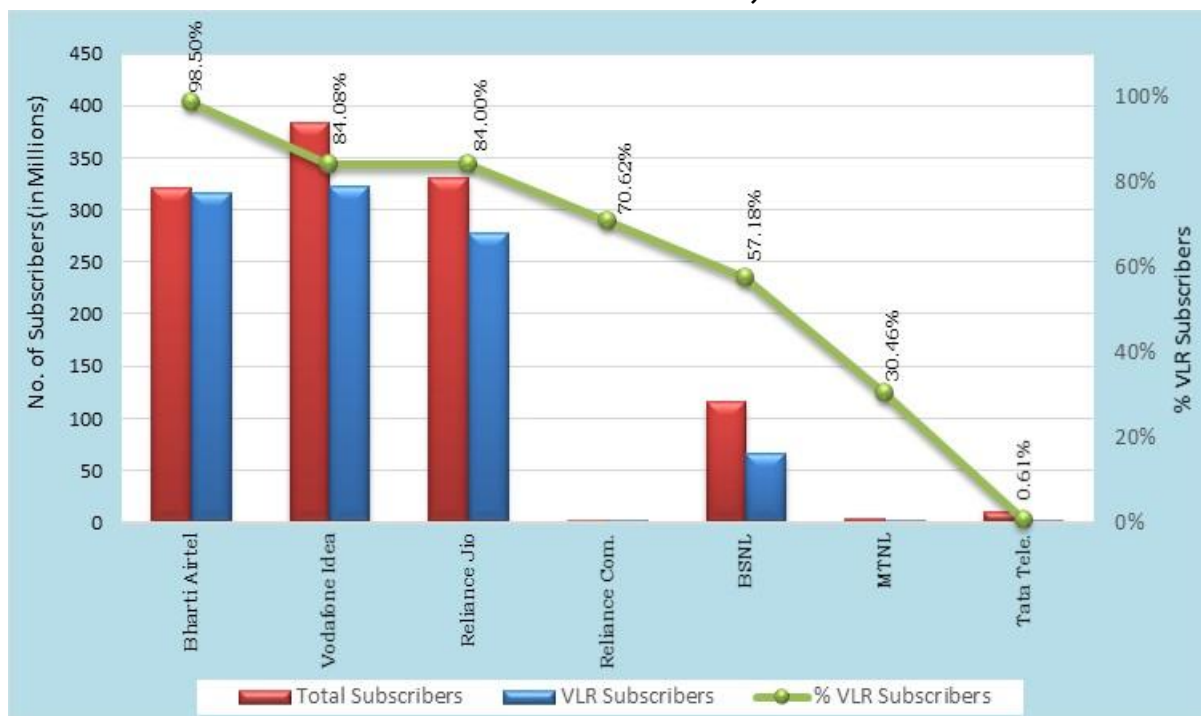


Note: Virtual Network Operator (VNO) of BSNL has started reporting of its subscribers from the month of October, 2018 and the same has been included in the subscriber number of BSNL.

IV. Active Wireless Subscribers (VLR Data)

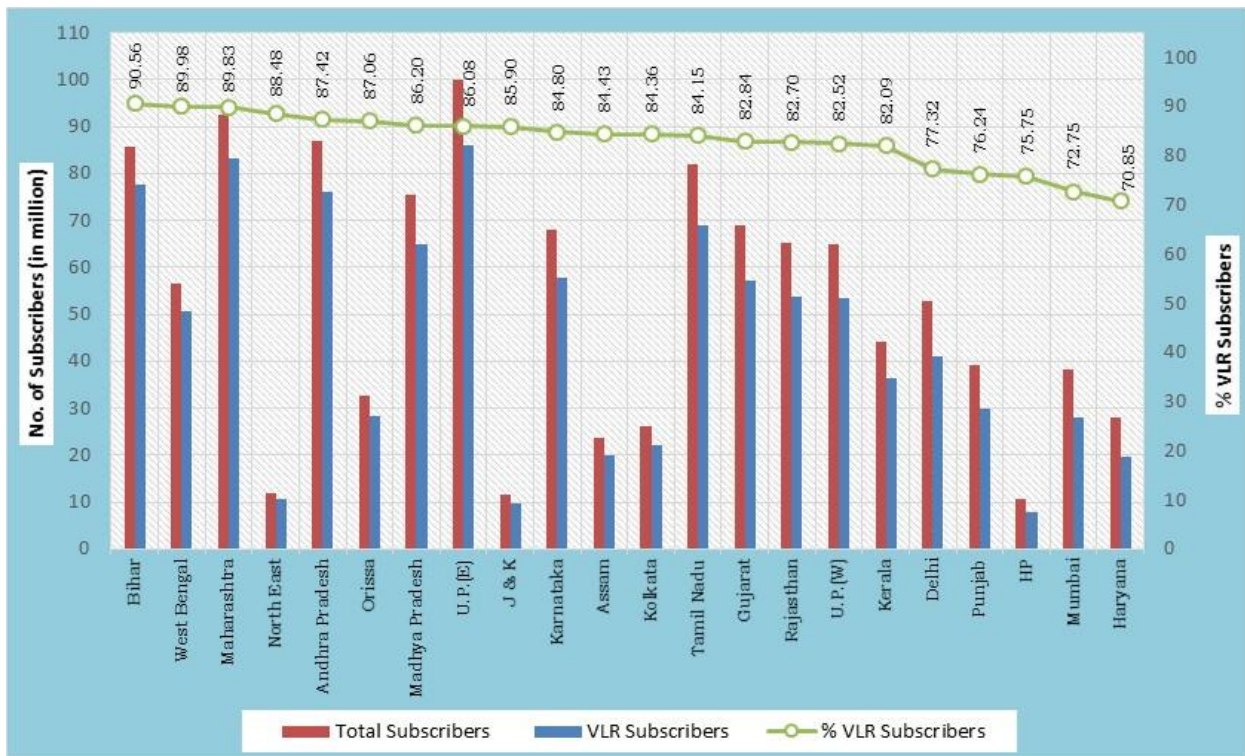
- Out of the total wireless subscribers (1,165.46 million), 983.80 million wireless subscribers were active on the date of peak VLR in the month of Jun-19. The proportion of active wireless subscribers was approximately 84.41% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of Jun-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 June, 2019



- Bharti Airtel has the maximum proportion (98.50%) of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of Jun-19.

Service Area wise percentage of VLR Subscribers in the Month of June, 2019



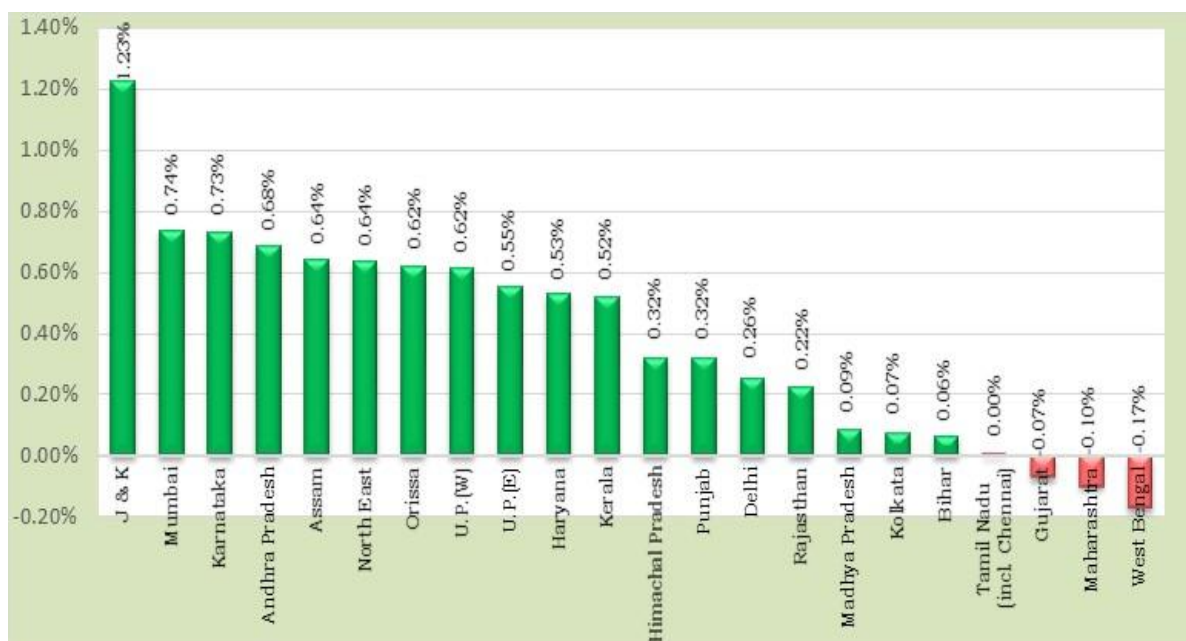
V. Growth in Wireless Subscribers

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



Note: BSNL includes its Virtual Network Operator (VNO).

Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of June, 2019



- Out of the total 22 service areas, three service areas showed negative growth in their wireless subscribers during the month of June, 2019. J&K service area

showed maximum growth of 1.23% and West Bengal service area showed maximum decline (0.17%) in their wireless subscriber 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-19, a total of 4.34 million requests were received for MNP. Out of total 4.34 million new requests, 2.34 million requests received from Zone-I and 2.00 million requests received from Zone-II. The cumulative MNP requests increased from 437.15 million at the end of May-19 to 441.49 million at the end of Jun-19, 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 34.98 million) followed by Maharashtra (about 32.50 million) service area. In MNP Zone-II

(Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 40.77 million) followed by Andhra Pradesh (about 37.31 million) and Tamil Nadu (about 37.19 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)	
	May-19	Jun-19		May-19	Jun-19
Delhi	22.54	22.77	Andhra Pradesh	36.97	37.31
Gujarat	29.11	29.44	Assam	3.43	3.45
Haryana	15.94	16.09	Bihar	17.55	17.79
Himachal Pradesh	2.13	2.15	Karnataka	40.45	40.77
Jammu & Kashmir	1.07	1.09	Kerala	10.58	10.75
Maharashtra	32.03	32.50	Kolkata	10.46	10.52
Mumbai	22.37	22.53	Madhya Pradesh	28.65	28.94
Punjab	16.87	17.04	North East	1.34	1.35
Rajasthan	34.72	34.98	Orissa	8.72	8.80
U.P.(East)	24.01	24.31	Tamil Nadu	36.89	37.19
U.P.(West)	19.41	19.66	West Bengal	21.90	22.04
Total	220.22	222.56	Total	216.94	218.93
Total (Zone-1 + Zone-2)				437.15	441.49
Net Addition (June, 2019)				4.34	

VII. Wireline Subscribers

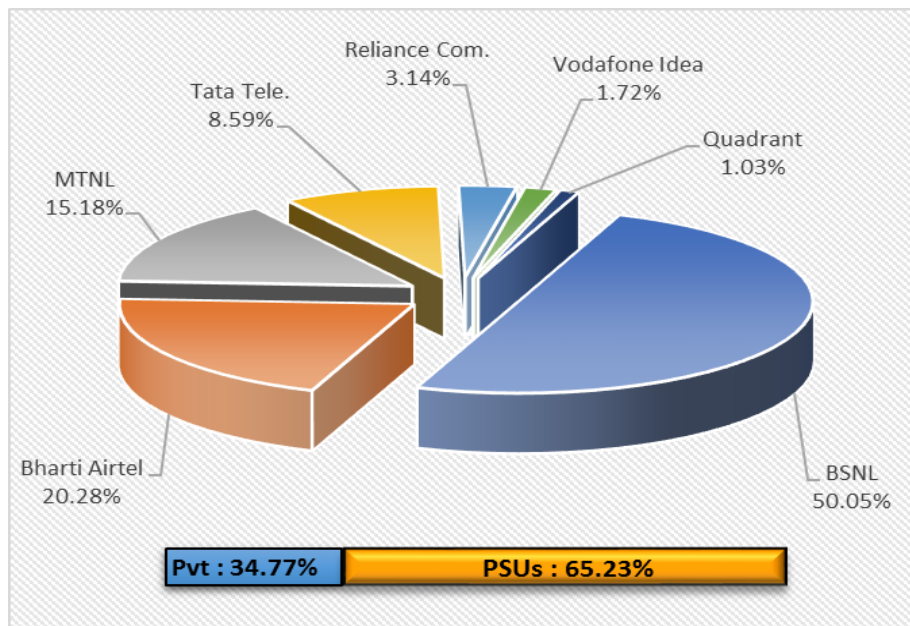
• Wireline subscribers further declined from 21.29 million at the end of May-19 to 21.17 million at the end of Jun-19. Net decline in the wireline subscriber base was 0.12 million with a monthly

decline rate of 0.56%. The share of urban and rural subscribers in total wireline subscribers were 86.51% and 13.49% respectively at the end of Jun-19.

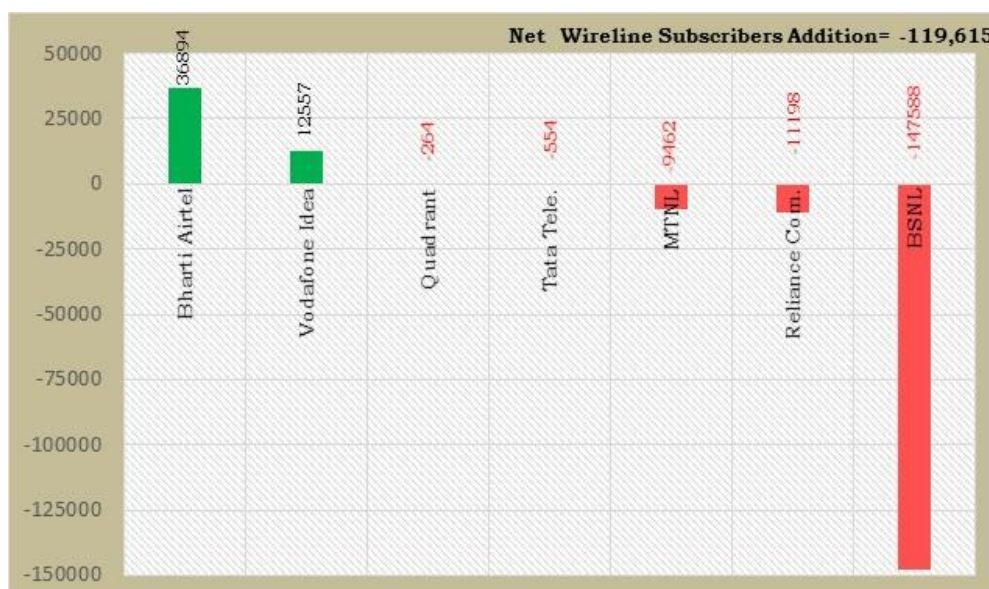
- The Overall Wireline Tele-density declined from 1.62 at the end of May-19 to 1.61 at the end of Jun-19. Urban and Rural Wireline Tele-density were 4.36 and 0.32 respectively during the same period.

- BSNL and MTNL, the two PSU access service providers, held 65.23% of the wireline market share as on 30th June, 2019. Detailed statistics of wireline subscriber base are available at **Annexure-III.**

Access Service Provider-wise Market Shares of Wireline Subscribers as on 30th June, 2019



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



VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from 324 operators in the month of June, 2019, the number of broadband subscribers increased from 581.51 million at the end of May-19 to 594.59 million at the end of Jun-19 with a monthly growth rate of 2.257%. 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, 2019

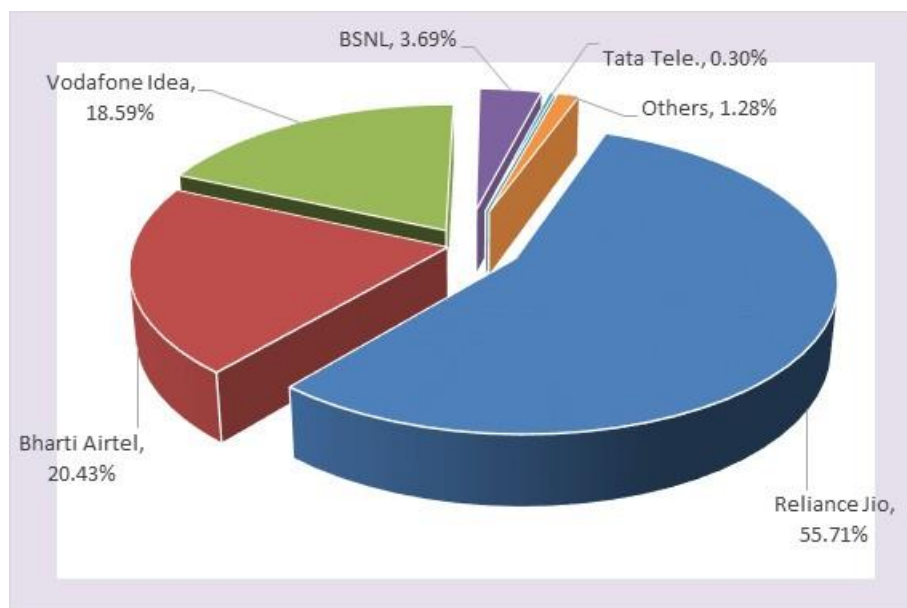
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of Jun-19
	As on 31 st May, 2019	As on 30 th June, 2019	
Wired subscribers	18.45	18.42	-0.16%
Mobile devices users (Phones and dongles)	562.52	575.63	2.33%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.54	0.54	0.00%
Total	581.51	594.59	2.25%

- Top five service providers constituted 98.72% market share of the total broadband subscribers at the end of Jun-19. These service providers were Reliance Jio Infocomm Ltd (331.26 million), Bharti Airtel (121.49 million), Vodafone Idea (110.52 million), BSNL (21.93 million) and Tata Teleservices (1.76 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 30.06.2019**



- As on 30th June, 2019, the top five Wired Broadband Service providers were BSNL (9.05 million), Bharti Airtel (2.40 million), Atria Convergence Technologies (1.45 million), Hathway Cable & Datacom (0.84 million) and MTNL (0.74 million).

- As on 30th June, 2019, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (331.26 million), Bharti Airtel (119.09 million), Vodafone Idea (110.50 million), BSNL (12.87 million) and Tata Teleservices (1.40 million).

Contact details in case of any clarification:

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Wireless Subscriber Base																			Annexure-I	
Circle	Bharti Airtel		Reliance Com.		Vodafone Idea		Tata Teleservices		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition	
	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19		
Andhra Pradesh	27714365	27865264	2045	2055	21538117	21546770	1113693	1057674	10090124	10086993					25924717	26415879	86383061	86974635	591574	
Assam	8228147	8256291			5847108	5724541			2603739	2627522					6715313	6936372	23394307	23544726	150419	
Bihar	36704417	36581493	204	221	20401067	19836397	160956	150191	4690284	4759554					23557154	24241071	85514082	85568927	54845	
Delhi	15501614	15480285	2604	2473	19084424	19042181	20	20					2207109	2205188	16025999	16226566	52821770	52956713	134943	
Gujarat	10795246	10821334	542	581	31094343	30758854	447972	411284	6029818	6035935					20608506	20898968	68976427	68926956	-49471	
Haryana	3884290	3882928	179	182	10496204	10387003	536647	508760	4927066	4982715					7906729	8136927	27751115	27898515	147400	
Himachal Pradesh	3345519	3336699	72	72	1338986	1290579	964	1347	2850927	2866605					2993689	3068725	10530157	10564027	33870	
J & K	5501488	5575369			1164945	1145475			1174065	1188249					3499149	3569571	11339647	11478664	139017	
Karnataka	26535307	26717239	1667	1666	14303981	14197272	2079570	1958861	7213922	7213935					17523697	18064488	67658144	68153461	495317	
Kerala	5204715	5216404	452	498	20181134	20199999	167426	154633	10907078	10917598					7577299	7777070	44038104	44266202	228098	
Kolkata	6039082	6009035	34	0	8925949	8792103	697901	658279	1613991	1639440					9003329	9200591	26280286	26299448	19162	
Madhya Pradesh	14389328	14250639	780	839	28871781	28465545	1148975	1078651	6443731	6400394					24481522	25204518	75336117	75400586	64469	
Maharashtra	14839639	14821509	808	4897	45064239	44465283	880679	815897	7184116	7108632					24733559	25393380	92703040	92609598	-93442	
Mumbai	8925469	9098608	4654	0	15053353	14973795	450416	419481					1231056	1209351	12414725	12659717	38079673	38360952	281279	
North East	5203314	5211537			2333501	2287414		0	1445788	1456548					2976541	3079691	11959144	12035190	76046	
Orissa	12054684	12050968	257	299	4655611	4563459	273934	250289	5747843	5707785					9798394	10160361	32530723	32733161	202438	
Punjab	9964909	9926077	255	294	10979406	10994036	571145	538027	5436068	5464880					12243425	12397296	39195208	39320610	125402	
Rajasthan	21568720	21388759	390	396	16479114	16224497	50294	45853	6036695	6048835					20875207	21446728	65010420	65155068	144648	
Tamil Nadu (incl. Chennai)	24826496	24787901	2910	2784	23883853	23497069	878291	811497	12122159	12169578	104041	104720			20286806	20734996	82104556	82108545	3989	
U.P.(E)	30136237	30075971	768	869	33683802	33500937	1101249	1015730	11627544	11703066					22720001	23523837	99269601	99820410	550809	
U.P.(W)	12458412	12422236	62	0	28511989	28434559	906062	853305	5849878	5853201					16746156	17306295	64472559	64869596	397037	
West Bengal	16561960	16576929	675	747	23663966	23083463	8778	10135	1900451	1929929					14375650	14812567	56511480	56413770	-97710	
Total	320383358	320353475	19358	18873	387556873	383411231	11474972	10739914	115895287	116161394	104041	104720	3438165	3414539	322987567	331255614	1161859621	1165459760	3600139	
Net Addition		-29883		-485	-4145642			-735058		266107			679	-23626		8268047	0	3600139		
<i>Rural Subscribers</i>	143151329	143000085	0	0	200304689	199149941	1393578	1296064	36673588	36683933	0	0	46129	46088	124024266	128016044	505593579	508192155	2598576	

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

Proportion of VLR on the date of Peak VLR in the month of Jun-19 (%)								Annexure-II
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Tata Tele.	Total
Andhra Pradesh	103.82	66.14	86.93		66.76	82.12	0.65	87.42
Assam	96.58	57.42	74.61			88.32		84.43
Bihar	94.28	59.56	77.17		46.15	102.55	0.02	90.56
Delhi	89.24		77.88	20.96	99.31	72.95	-	77.32
Gujarat	98.20	49.69	87.00		33.91	79.98	0.01	82.84
Haryana	111.31	36.63	80.14		45.60	65.03	0.50	70.85
Himachal Pradesh	98.54	43.41	87.00		55.56	76.47	-	75.75
J & K	93.55	68.58	72.46		-	84.02		85.90
Karnataka	101.04	61.92	83.36		94.96	80.23	0.32	84.80
Kerala	97.75	66.10	92.38		39.56	68.85	5.17	82.09
Kolkata	108.34	61.57	82.72		-	80.08	4.04	84.36
Madhya Pradesh	101.20	52.15	86.23		48.27	90.01	0.22	86.20
Maharashtra	102.27	55.21	89.44		11.09	95.83	0.15	89.83
Mumbai	77.48		70.20	47.78	-	77.12	-	72.75
North East	97.84	75.75	73.10		-	90.08		88.48
Orissa	95.59	73.30	80.34		21.40	89.84	0.37	87.06
Punjab	100.20	47.74	81.46		31.63	68.28	0.08	76.24
Rajasthan	95.85	47.51	83.79		43.94	78.86	0.30	82.70
Tamil Nadu (incl. Chennai)	96.82	69.70	88.16		71.23	76.28	0.82	84.15
U.P. (E)	105.01	41.85	82.76		42.12	92.30	0.17	86.08
U.P. (W)	107.60	45.20	83.79		-	79.12	0.14	82.52
West Bengal	94.44	91.13	84.31		30.66	93.73	0.71	89.98
Total	98.50	57.18	84.08	30.46	70.62	84.00	0.61	84.41

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	
Service Area	BSNL		MTNL		Bharti Airtel		Reliance Com.		Tata Tele.		Quadrant		Vodafone Idea		Total		Net Addition
	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	May-19	Jun-19	
Andhra Pradesh	904091	882330			209347	212945	43647	42141	172679	173592			59670	60820	1389434	1371828	-17606
Assam	108515	106661											2940	2970	111455	109631	-1824
Bihar	208772	204211					3184	2957	8476	8428			1800	1950	222232	217546	-4686
Delhi			1471685	1466619	1483397	1496226	109546	107370	156851	155335			57150	59040	3278629	3284590	5961
Gujarat	882568	866711			93777	97329	17499	16648	88073	88408			29040	30940	1110957	1100036	-10921
Haryana	203350	202096			23420	23336	2270	2170	35618	36461			210	240	264868	264303	-565
Himachal Pradesh	106942	106212					2810	1710	1831	1772			30	60	111613	109754	-1859
J & K	101465	101706													101465	101706	241
Karnataka	987511	978200			694705	702520	118466	114402	270580	272182			51117	53407	2122379	2120711	-1668
Kerala	1766137	1750579			62211	62207	15280	14491	18774	18923			3720	3750	1866122	1849950	-16172
Kolkata	467369	459691			131505	132527	38077	37334	52934	53053			10930	11380	700815	693985	-6830
Madhya Pradesh	645734	643404			244661	244404	9708	9478	14271	14354			1110	1140	915484	912780	-2704
Maharashtra	1044829	1026765			98871	101564	44431	43420	270599	269841			23241	23777	1481971	1465367	-16604
Mumbai			1752113	1747717	379134	383620	163151	167421	557555	555495			55768	57129	2907721	2911382	3661
North East	102591	100547											270	270	102861	100817	-2044
Orissa	218168	214462					2265	2195	8490	8304			2310	2310	231233	227271	-3962
Punjab	379139	374052			136015	137834	10734	10651	12264	12084	219353	219089	1620	1680	759125	755390	-3735
Rajasthan	428428	423266			56725	57651	19486	18901	11683	11617			12330	12600	528652	524035	-4617
Tamil Nadu (incl. Chennai)	1390337	1375905			553410	551464	65804	64152	123599	124018			20920	23060	2154070	2138599	-15471
U.P.(E)	331316	324057			64600	65091	5692	5495	8440	8203			12200	12350	422248	415196	-7052
U.P.(W)	257702	254593			24180	24134	3089	3056	4888	4954			4350	4410	294209	291147	-3062
West Bengal	207445	199373					1613	1562	2426	2453			120	120	211604	203508	-8096
Total	10742409	10594821	3223798	3214336	4255958	4292852	676752	665554	1820031	1819477	219353	219089	350846	363403	21289147	21169532	-119615
Net Addition		-147588		-9462		36894		-11198		-554		-264		12557		-119615	
Rural Subscribers	2804486	2762250	0	0	0	0	1349	1319	47976	47829	44298	43325	0	0	2898109	2854723	-43386

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.