

For immediate release

(Press Release No.46/2023)

Information Note to the Press



TELECOM REGULATORY AUTHORITY OF INDIA

New Delhi, 22nd May, 2023
(www.trai.gov.in)

Highlights of Telecom Subscription Data as on 31st March, 2023

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Broadband Subscribers (Million)	813.08	33.49	846.57
Urban Telephone Subscribers (Million)	627.54	26.16	653.71
Net Addition in March, 2023 (Million)	1.18	0.37	1.54
Monthly Growth Rate	0.19%	1.42%	0.24%
Rural Telephone Subscribers (Million)	516.38	2.25	518.63
Net Addition in March, 2023 (Million)	0.79	0.073	0.86
Monthly Growth Rate	0.15%	3.38%	0.17%
Total Telephone Subscribers (Million)	1143.93	28.41	1172.34
Net Addition in March, 2023 (Million)	1.96	0.44	2.40
Monthly Growth Rate	0.17%	1.58%	0.21%
Overall Tele-density* (%)	82.46%	2.05%	84.51%
Urban Tele-density* (%)	128.45%	5.36%	133.81%
Rural Tele-density* (%)	57.46%	0.25%	57.71%
Share of Urban Subscribers	54.86%	92.09%	55.76%
Share of Rural Subscribers	45.14%	7.91%	44.24%

- ❖ In the month of March, 2023, 11.70 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 808 million at the end of February-23 to 819.70 million at the end of March-23, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR[#]) in March, 2023 was 1034.26 million.

Note:

- Information in this Press Release is based on the data provided by the Service Providers
- * Based on the projection of population from the 'Report of the Technical Group on Population Projections for India and States 2011 – 2036', which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20%20upload_compressed_0.pdf
- # VLR is acronym of Visitor Location Register. The dates of peak VLR for various TSPs are different in different service areas.

I. Broadband Subscriber

- As per the information received from 1,007 operators in March, 2023 in comparison to 1,006 Operator in February 2023, the total Broadband Subscribers increased from 839.33 million at

the end of February-23 to 846.57 million at the end of March-23 with a monthly growth rate of 0.86%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

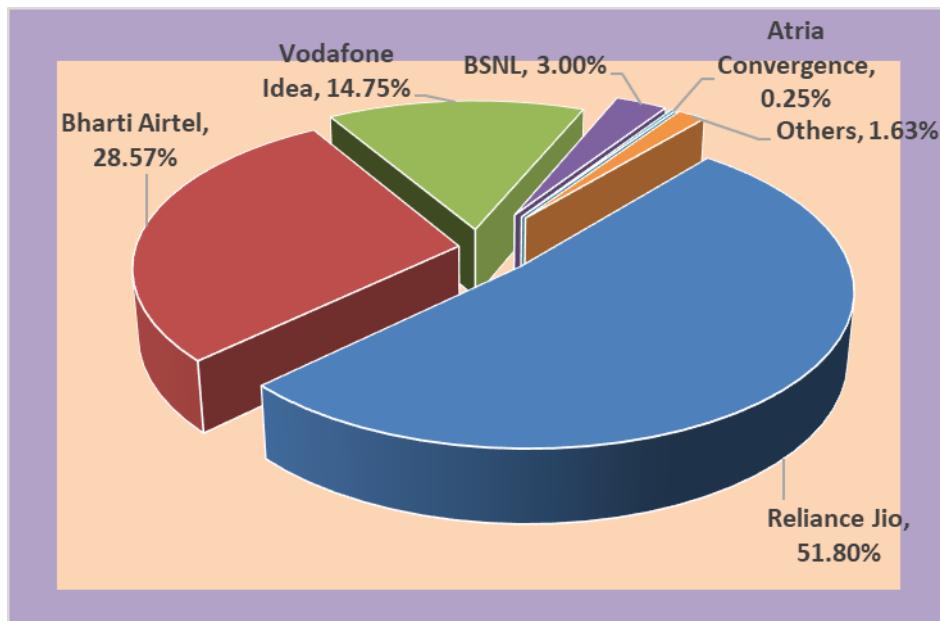
Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of March, 2023

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of March, 2023
	As on 28 th February, 2023	As on 31 st March, 2023	
Wired subscribers	32.82	33.49	2.04%
Mobile devices users (Phones and dongles)	805.38	811.99	0.82%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	1.12	1.09	-2.66%
Total	839.33	846.57	0.86%

- Top five service providers constituted 98.37% market share of the total broadband subscribers at the end of March-23. These service providers were Reliance Jio Infocomm Ltd 438.56 million, Bharti Airtel 241.90 million, Vodafone Idea 124.83 million, BSNL 25.37 million and Atria Convergence 2.14 million.

- 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 31st March, 2023**

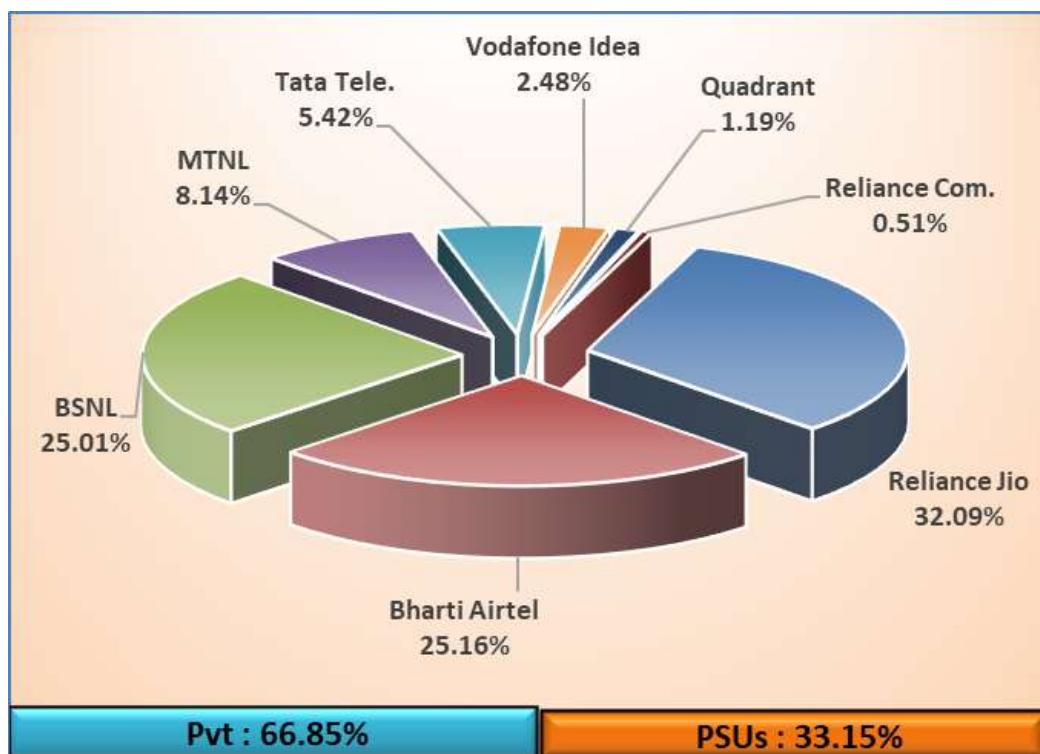


- As on 31st March, 2023, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd 8.33 million, Bharti Airtel 6.12 million, BSNL 3.60 million, Atria Convergence Technologies 2.14 million and Hathway Cable & Datacom 1.12 million.
- As on 31st March, 2023, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd 430.23 million, Bharti Airtel 235.78 million, Vodafone Idea 124.82 million, BSNL 21.77 million and Intech Online Pvt. Ltd. 0.23 million.

II. Wireline Subscribers

- Wireline subscribers increased from 27.97 million at the end of February-23 to 28.41 million at the end of March-23. Net increase in the wireline subscriber base was 0.44 million with a monthly growth rate of 1.58%. The share of urban and rural subscribers in total wireline subscribers were 92.09% and 7.91% respectively at the end of March, 2023.
- The Overall Wireline Tele-density in India increased from 2.02% at the end of February-23 to 2.05% at the end of March-23. Urban and Rural Wireline Tele-density were 5.36% and 0.25% respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 33.15% of the wireline market share as on 31st March, 2023. Detailed statistics of wireline subscriber base are available at **Annexure-I**.

**Access Service Provider-wise Market Share of Wireline Subscribers
as on 31st March, 2023**



Access Service Provider-wise Net Addition/Decline in Wireline Subscribers during the month of Mrch, 2023



III. Wireless subscriber

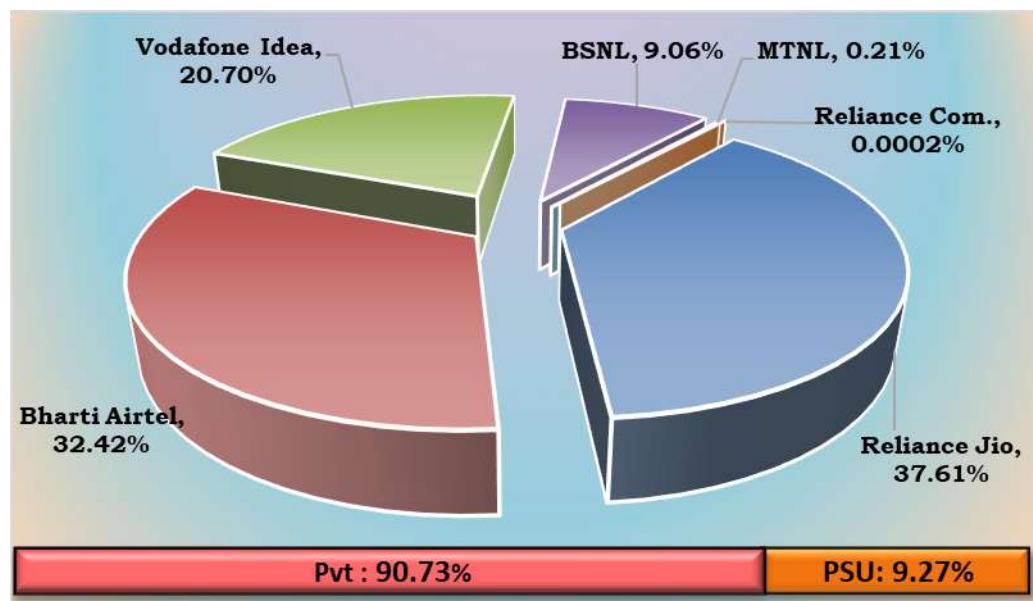
- Total wireless subscribers increased from 1,141.96 million at the end of February-23, to 1,143.93 million at the end of March-23, thereby registering a monthly growth rate of 0.17%. Wireless subscription in urban areas increased from 626.37 million at the end of February-23 to 627.54 million at the end of March-23 and wireless subscription in rural areas also increased from 515.60 million to 516.38 million during the same period. Monthly growth rates of urban and rural wireless subscription were 0.19% and 0.15% respectively.



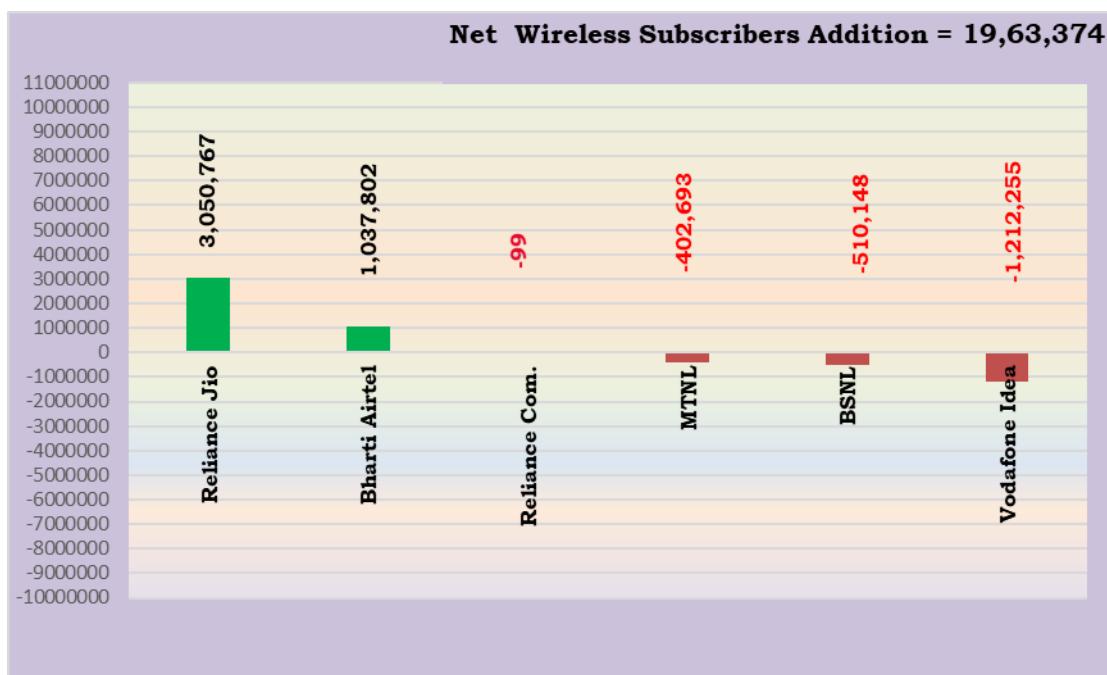
- The Wireless Tele-density in India increased from 82.38% at the end of February-23 to 82.46% at the end of March-23. The Urban Wireless Tele-density increased from 128.41% at the end of February-23 to 128.45% at the end of March-23 and Rural Tele-density also increased from 57.39% to 57.46% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.86% and 45.14% respectively at the end of March-23. Detailed statistics of wireless subscriber base is available at **Annexure-II**.

- As on 31st March, 2023, the private access service providers held 90.73% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 9.27%.
- 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 31st March, 2023

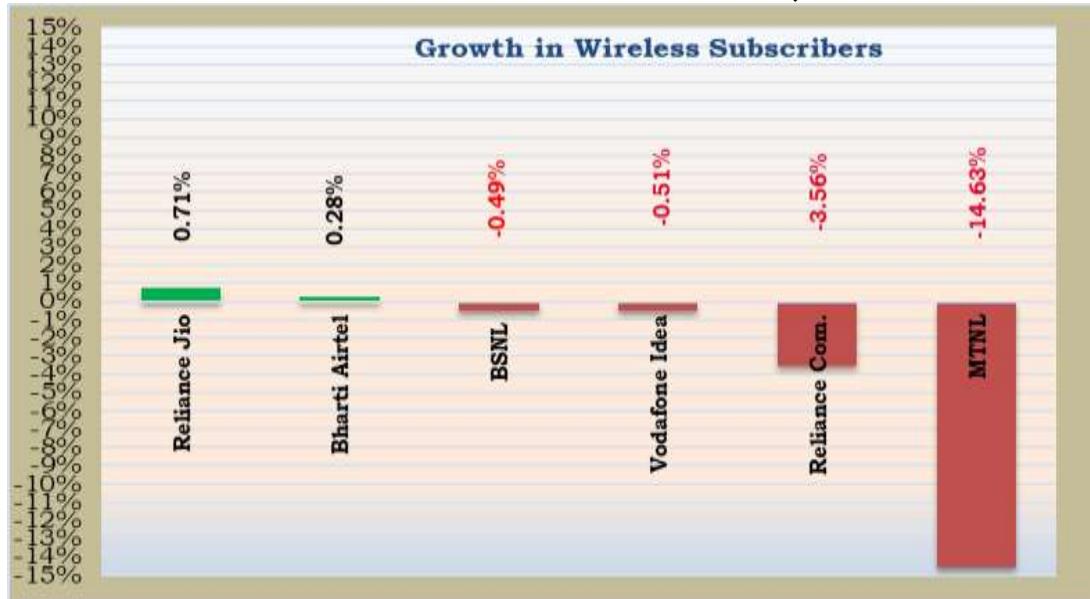


Net Addition in Wireless Subscribers of Access Service Providers in the month of March, 2023



Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the month of March, 2023



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

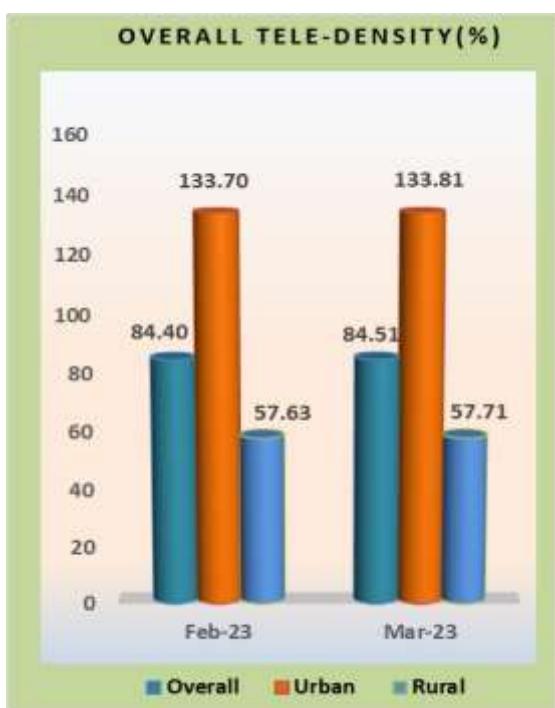
Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of March, 2023



- Except Punjab, Kolkata, U.P.(W), Andhra Pradesh, Karnataka, Kerala and Mumbai, all other service areas have showed growth rate in their wireless subscribers during the month of March-23.

IV. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,169.93 million at the end of February-23 to 1,172.84 million at the end of March-23, thereby showing a monthly growth rate of 0.21%. Urban telephone subscription increased from 652.16 million at the end of February-23 to 653.71 million at the end of March-23 and the rural subscription also increased from 517.77 million to 518.63 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.24% and 0.17% respectively during the month of March-23.



- The overall Tele-density in India increased 84.40% at the end of February-23 to 84.51% at the end of March-23. The Urban Tele-density increased from 133.70% at the end of February-23 to 133.81% at the end of March-23 and Rural Tele-density also increased from 57.63% to 57.71% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of March-23 was 55.76% and 44.24% respectively.

Overall Tele-density (LSA Wise) – As on 31st March, 2023



- As may be seen in the above chart, eight LSA have less tele-density than the all India average tele-density at the end of March-23. Delhi service area has maximum tele-density of 273.67% and the Bihar service area has minimum tele-density of 55.23% at the end of March-23.

Notes: -

- Population data/projections are available state wise only.
- Tele-density figures are derived from the telephone subscriber data provided by the access service providers and the projection of population from the “Report of the Technical Group on Population Projections for India and States 2011 – 2036, which is available under the link https://main.mohfw.gov.in/sites/default/files/Population%20Projection%20Report%202011-2036%20-%20upload_compressed_0.pdf
- 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).
- Data/information for West Bengal includes Kolkata, Maharashtra includes Mumbai and Uttar Pradesh includes UPE & UPW service area(s).
- Data/information for Andhra Pradesh includes Telengana, Madhya Pradesh includes Chhattisgarh, 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.

V. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of March 2023

Circle Category	Net additions in the month of March, 2023		Telephone Subscriber base as on 31 st March, 2023	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	1,78,533	2,25,861	1,08,67,868	38,47,13,764
Circle B	1,78,655	7,90,594	72,41,404	46,38,01,994
Circle C	47,993	10,40,506	20,84,553	18,25,46,222
Metro	35,772	-93,587	82,15,951	11,28,65,963
All India	4,40,953	19,63,374	2,84,09,776	1,14,39,27,943

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of March 2023

Circle Category	Monthly growth rate (%) (February-23 to March-23)		Yearly growth rate (%) (March-22 to March-23)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	1.67%	0.06%	14.42%	-0.40%
Circle B	2.53%	0.17%	23.52%	-1.03%
Circle C	2.36%	0.57%	35.16%	3.17%
Metro	0.44%	-0.08%	3.52%	2.32%
All India	1.58%	0.17%	14.37%	0.16%

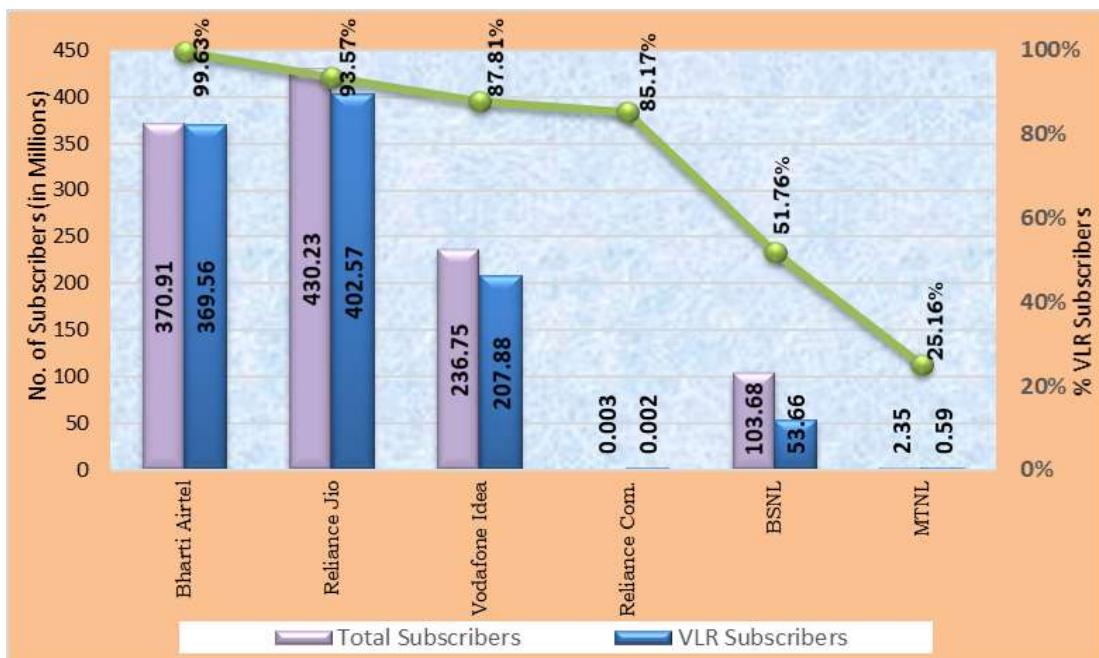
Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

- As can be seen in the above tables, in wireless segment, on monthly basis except Circle 'Metro' all other circles have registered growth rate in their subscriber base. On yearly basis, except Circle 'A' and Circle 'B' other circles have registered growth rate in their subscriber base.
- In Wireline segment both on monthly and yearly basis, all circles have registered growth rate in their subscriber base.

VI. Active Wireless Subscribers (VLR Data)

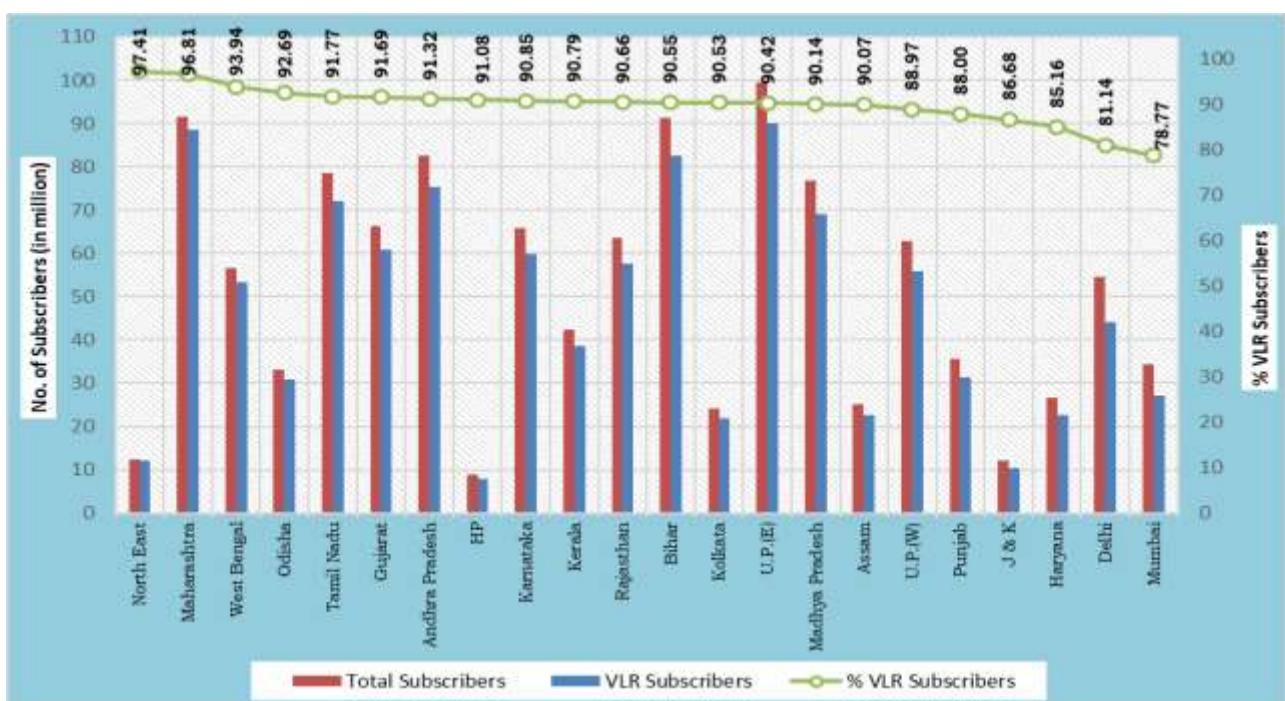
- Out of the total 1,143.93 million wireless subscribers, 1034.26 million wireless subscribers were active on the date of peak VLR in the month of March-23. The proportion of active wireless subscribers was approximately 90.41% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of March-23 is available at **Annexure-III** 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 March, 2023



- Bharti Airtel has the maximum proportion 99.63% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of March-23 and MTNL has the minimum proportion of VLR 25.16% of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of March, 2023



VII. 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 March-23, a total of 11.70 million requests were received for MNP. Out of total 11.70 million new requests, 6.77 million requests received from Zone-I and 4.92 million requests received from Zone-II. The cumulative MNP requests increased from 808 million at the end of February-23 to 819.70 million at the end of March-23, since the implementation of MNP.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Uttar Pradesh-East (about 70.86 million) followed by Maharashtra (about 67.68 million) service area.

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Madhya Pradesh (about 62.08 million) followed by Karnataka (about 59.91 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)	
	Feb-23	Mar-23		Feb-23	Mar-23
Delhi	38.79	39.36	Andhra Pradesh	57.58	58.20
Gujarat	55.00	55.80	Assam	5.74	5.82
Haryana	26.11	26.45	Bihar	42.49	43.29
Himachal Pradesh	3.56	3.61	Karnataka	59.32	59.91
Jammu & Kashmir	1.86	1.89	Kerala	20.64	20.84
Maharashtra	66.74	67.68	Kolkata	15.68	15.85
Mumbai	29.79	30.06	Madhya Pradesh	61.12	62.08
Punjab	28.38	28.67	North East	1.92	1.94
Rajasthan	56.91	57.62	Odisha	14.80	14.98
U.P.(East)	69.25	70.86	Tamil Nadu	54.71	55.25
U.P.(West)	53.93	55.10	West Bengal	43.67	44.43
Total	430.33	437.10	Total	377.67	382.60
Total (Zone-1 + Zone-2)				808.00	819.70
Net Addition (March, 2023)				11.70 million	

Contact details in case of any clarification: -

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Secretary, TRAI

Wireline Subscriber Base																	Annexure-I		
Service Area	BSNL		MTNL		Bharti Airtel		Reliance Com.		Tata Tele.		Quadrant		Vodafone Idea		Reliance Jio		Total		Net Addition
	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	
Andhra Pradesh	674237	677375			442997	463880	19706	19577	153383	150693			71275	69555	1027443	1075325	2389041	2456405	67364
Assam	110,412	110,813			17842	18633	0	0	0	0			2640	2640	146965	151238	277859	283324	5465
Bihar	178,415	183,542			72225	75020	9	9	8869	8869			2050	2110	413672	429093	675240	698643	23403
Delhi	0	0	1057704	1025773	1919716	1936257	20721	20766	139382	136709			87725	87055	823398	856769	4048646	4063329	14683
Gujarat	334832	332838			200357	203095	2796	2796	75393	75026			59146	59016	524632	540046	1197156	1212817	15661
Haryana	206370	211535			102658	111826	0	0	29872	28827			420	420	101141	104916	440461	457524	17063
Himachal Pradesh	87706	88613			4239	4508	0	0	1525	1585			90	90	47163	48812	140723	143608	2885
J & K	87250	86802			78056	80012	0	0	0	0			30	30	179221	182694	344557	349538	4981
Karnataka	872913	877482			1046599	1064579	19476	19083	217286	219217			154262	152833	765657	781440	3076193	3114634	38441
Kerala	1017237	1026253			89048	90055	3613	3610	18270	18014			7130	7120	227949	236123	1363247	1381175	17928
Kolkata	203904	197829			185127	187078	4392	4359	48186	47021			14655	14535	403527	416893	859791	867715	7924
Madhya Pradesh	262966	267567			428400	439670	14	14	19059	18859			34445	34445	543702	559905	1288586	1320460	31874
Maharashtra	599238	603067			370682	381032	9506	9353	210075	207645			23931	24161	223338	231804	1436770	1457062	20292
Mumbai			1294458	1286780	536276	541934	43103	42777	469847	464355			172520	172330	755538	776731	3271742	3284907	13165
North East	73852	73127			0	0	0	0	0	0			510	510	136289	140732	210651	214369	3718
Odisha	173306	173215			0	0	4	4	8303	8406			3960	3930	201957	209516	387530	395071	7541
Punjab	349276	360097			221537	228239	1898	1897	14726	13665	330626	337922	2210	2180	255213	268731	1175486	1212731	37245
Rajasthan	278156	279372			192261	196591	3568	3596	12809	13833			15325	15085	322417	331385	824536	839862	15326
Tamil Nadu	965940	964498			797867	810621	18141	17762	115108	112911			36698	34918	656421	686240	2590175	2626950	36775
U.P.(E)	133952	132975			169656	173386	23	24	7903	8023			16600	16570	406191	420010	734325	750988	16663
U.P.(W)	177982	179140			107481	114686	8	8	4926	4893			3526	3526	445591	461312	739514	763565	24051
West Bengal	275324	279683			18926	26370	71	71	2577	2601			120	120	199576	206254	496594	515099	18505
Total	7063268	7105823	2352162	2312553	7001950	7147472	147049	145706	1557499	1541152	330626	337922	709268	703179	8807001	9115969	27968823	28409776	440953
Net Addition		42555		-39609		145522		-1343		-16347		7296		-6089		308968		440953	
Rural Subscribers	1961252	2034776	34	34	0	0	362	362	29763	24831	19489	19442	0	0	163587	168530	2174487	2247975	73488

Wireless Subscriber Base																Annexure-II		
Circle	Bharti Airtel (including Tata)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition	
	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23	Feb-23	Mar-23		
Andhra Pradesh	32382829	32404916			11892711	11770855	8083648	8010334					30247101	30263784	82606289	82449889	-156400	
Assam	10,876,301	11,006,187			2014311	2002622	3325153	3184184					8759422	8800862	24975187	24993855	18668	
Bihar	39,915,814	40,323,738			8546733	8393253	5769604	5775195					36277336	36728575	90509487	91220761	711274	
Delhi	17064890	17103766	194	193	16892598	16860622					1689986	1689688	18742893	18825690	54390561	54479959	89398	
Gujarat	11419809	11363192	47	47	22241710	22217191	5058071	5033390					27196049	27618299	65915686	66232119	316433	
Haryana	6515872	6553650	11	11	7379979	7350432	4577797	4565552					8096274	8170269	26569933	26639914	69981	
Himachal Pradesh	3405349	3424408	92	92	480781	468009	1580346	1592496					3303037	3313438	8769605	8798443	28838	
J & K	5750880	5788180	0	0	367587	362900	827909	827594					5024575	5045033	11970951	12023707	52756	
Karnataka	31223176	31217992	593	589	7321249	7232272	6193288	5987361					21335296	21467203	66073602	65905417	-168185	
Kerala	7986929	7991307	114	113	14593288	14470640	9927452	9878402					10026710	10070654	42534493	42411116	-123377	
Kolkata	5702909	5711563	0	0	5865376	5830683	2178779	2183653					10342817	10357855	24089881	24083754	-6127	
Madhya Pradesh	15336981	15424526	0	0	17262577	17190019	5357338	5340998					38451661	38715471	76408557	76671014	262457	
Maharashtra	21075856	21153731	0	0	24488946	24401860	6385821	6322365					39373287	39627049	91323910	91505005	181095	
Mumbai	9839424	9844278	1014	925	11370449	11420368					1062877	660482	12205344	12376197	34479108	34302250	-176858	
North East	5895394	5934222	0	0	945983	941136	1,367,171	1,365,085					4022467	4110061	12231015	12350504	119489	
Odisha	11165546	11185393	29	29	1638594	1630429	6,222,700	6,223,547					14022602	14119554	33049471	33158952	109481	
Punjab	12287266	12298603	106	106	7259383	7185176	4,796,164	4,755,245					11326102	11423723	35669021	35662853	-6168	
Rajasthan	22288079	22436534	155	155	10300552	10262160	6,164,189	6,111,223					24652557	24778828	63405532	63588900	183368	
Tamil Nadu	27753090	27796556	269	269	16790527	16686494	9,774,447	9,886,073	94,104	102,964			24155979	24148978	78568416	78621334	52918	
U.P.(E)	36627036	36684413	0	0	18806694	18771392	8,561,096	8,619,448					34992735	35366666	98987561	99441919	454358	
U.P.(W)	18554765	18419382	8	8	16925483	16850342	5,502,874	5,445,784					21804979	22007333	62788109	62722849	-65260	
West Bengal	16804876	16844336	151	147	14577211	14451612	2,445,695	2,472,605					22820261	22894729	56648194	56663429	15235	
Total	369873071	370910873	2783	2684	237962722	236750467	104099542	103580534	94104	102964	2752863	2350170	427179484	430230251	1141964569	1143927943	1963374	
Net Addition		1037802		-99		-1212255		-519008		8860		-402693		3050767	0	1963374		
Rural Subscribers	178,389,665	179,789,840	0	0	116199084	115373879	33,826,616	32,516,022	0	0	35321	35315	187146682	188669162	515597368	516384218	786850	

Proportion of VLR on the date of Peak VLR in the month of Mar-23 (%)							Annexure-III
Circle	Bharti	BSNL	Vodafone Idea	M TNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	99.97	60.58	93.55		-	89.32	91.32
Assam	97.20	42.27	94.47		-	97.45	90.07
Bihar	95.49	40.55	89.62		-	93.21	90.55
Delhi	97.46		62.26	18.01	82.90	88.89	81.14
Gujarat	110.13	45.07	93.60		112.77	91.07	91.69
Haryana	102.00	32.44	90.74		109.09	96.09	85.16
Himachal Pradesh	99.12	58.95	106.06		43.48	96.10	91.08
J & K	90.88	69.10	82.29		-	85.05	86.68
Karnataka	99.33	49.51	84.50		94.91	92.19	90.85
Kerala	100.58	80.55	93.18		130.09	89.61	90.79
Kolkata	96.47	42.85	88.47		-	98.48	90.53
Madhya Pradesh	103.05	47.51	86.69		-	92.42	90.14
Maharashtra	109.23	62.43	90.76		-	99.40	96.81
Mumbai	89.72		70.46	43.46	86.38	79.62	78.77
North East	103.28	55.08	95.26		-	103.47	97.41
Odisha	105.36	51.17	96.66		41.38	100.50	92.69
Punjab	100.06	40.29	92.57		66.98	91.98	88.00
Rajasthan	100.56	41.74	91.67		61.94	93.35	90.66
Tamil Nadu	99.72	63.80	93.72		94.80	92.84	91.77
U.P. (E)	96.86	35.09	89.59		-	97.67	90.42
U.P. (W)	101.50	37.46	88.78		100.00	91.36	88.97
West Bengal	96.85	67.99	89.29		50.34	97.53	93.94
Total	99.63	51.76	87.81	25.16	85.17	93.57	90.41

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.

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.