

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 1st August, 2023

(www.traigov.in)

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

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Broadband Subscribers (Million)	822.34	34.47	856.81
Urban Telephone Subscribers (Million)	626.26	27.18	653.43
Net Addition in May, 2023 (Million)	-0.49	0.04	-0.45
Monthly Growth Rate	-0.08%	0.14%	-0.07%
Rural Telephone Subscribers (Million)	516.95	2.19	519.14
Net Addition in May, 2023 (Million)	0.56	-0.061	0.50
Monthly Growth Rate	0.11%	-2.72%	0.10%
Total Telephone Subscribers (Million)	1143.21	29.36	1172.57
Net Addition in May, 2023 (Million)	0.07	-0.02	0.05
Monthly Growth Rate	0.01%	-0.07%	0.004%
Overall Tele-density*(%)	82.29%	2.11%	84.40%
Urban Tele-density*(%)	127.79%	5.55%	133.34%
Rural Tele-density*(%)	57.49%	0.24%	57.73%
Share of Urban Subscribers	54.78%	92.55%	55.73%
Share of Rural Subscribers	45.22%	7.45%	44.27%

- ❖ In the month of May, 2023, 11.47 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 830.65 million at the end of April-23 to 842.12 million at the end of May-23, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR[#]) in May, 2023 was 1043.41 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 1,015 operators in May, 2023 in comparison to 1,011 Operator in April 2023, the total Broadband Subscribers increased from 850.94

million at the end of April-23 to 856.81 million at the end of May-23 with a monthly growth rate of 0.69%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

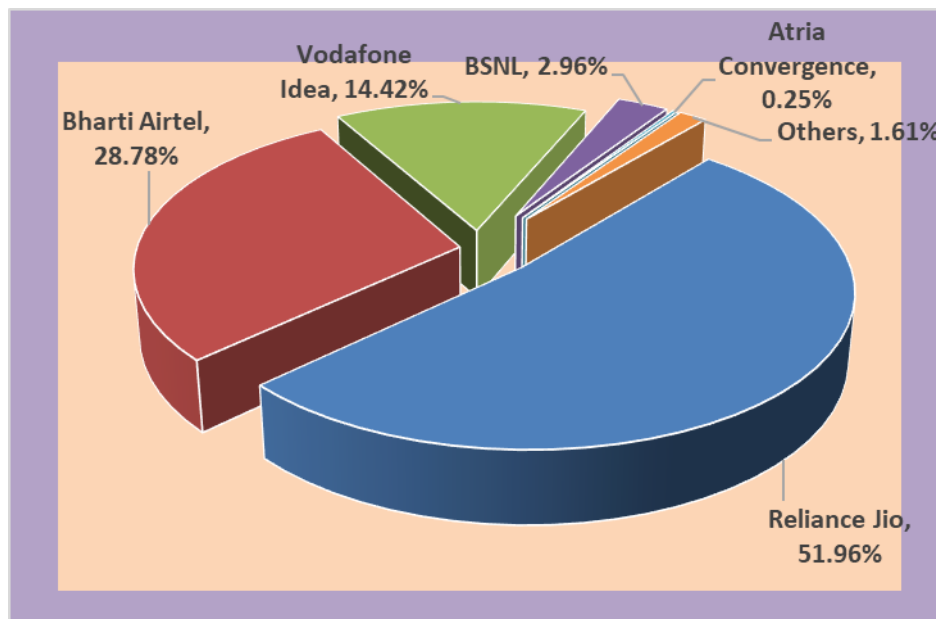
Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of May, 2023

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of April, 2023
	As on 30 th April, 2023	As on 31 st May, 2023	
Wired subscribers	33.89	34.47	1.69%
Mobile devices users (Phones and dongles)	816.07	821.41	0.65%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.97	0.94	-3.46%
Total	850.94	856.81	0.69%

- Top five service providers constituted 98.39% market share of the total broadband subscribers at the end of May-23. These service providers were Reliance Jio Infocomm Ltd 445.23 million, Bharti Airtel 246.61 million, Vodafone Idea 123.58 million, BSNL 25.40 million and Atria Convergence 2.15 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 May, 2023**

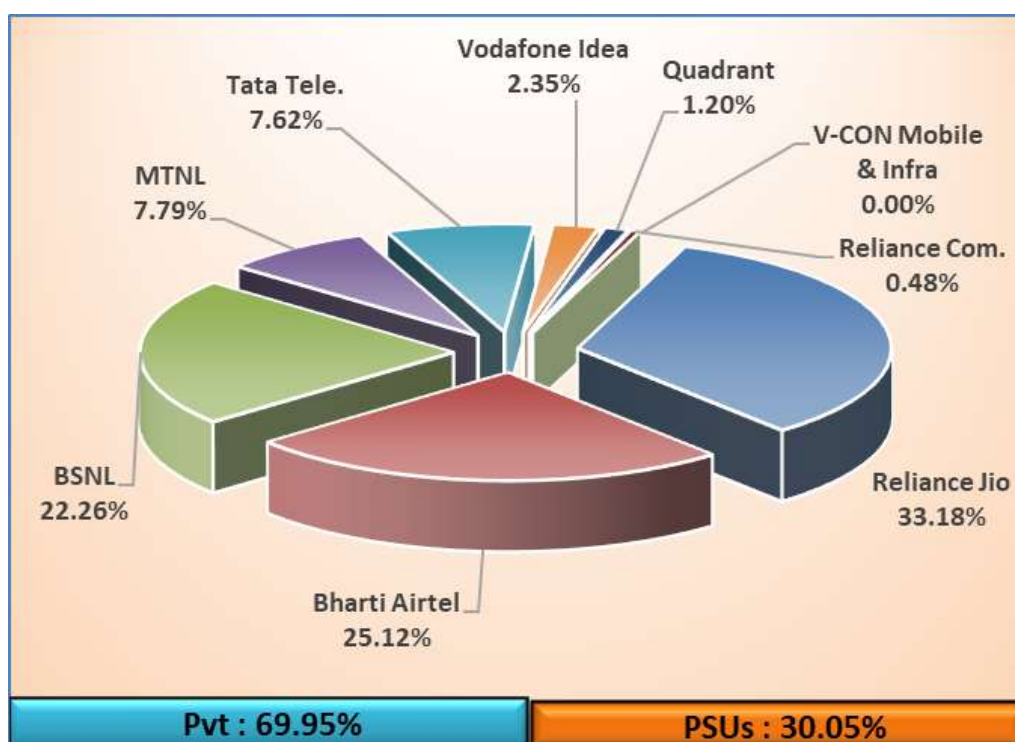


- As on 31st May, 2023, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd 8.92 million, Bharti Airtel 6.40 million, BSNL 3.61 million, Atria Convergence Technologies 2.15 million and Hathway Cable & Datacom 1.12 million.
- As on 31st May, 2023, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd 436.31 million, Bharti Airtel 240.21 million, Vodafone Idea 123.58 million, BSNL 21.79 million and Intech Online Pvt. Ltd. 0.24 million.

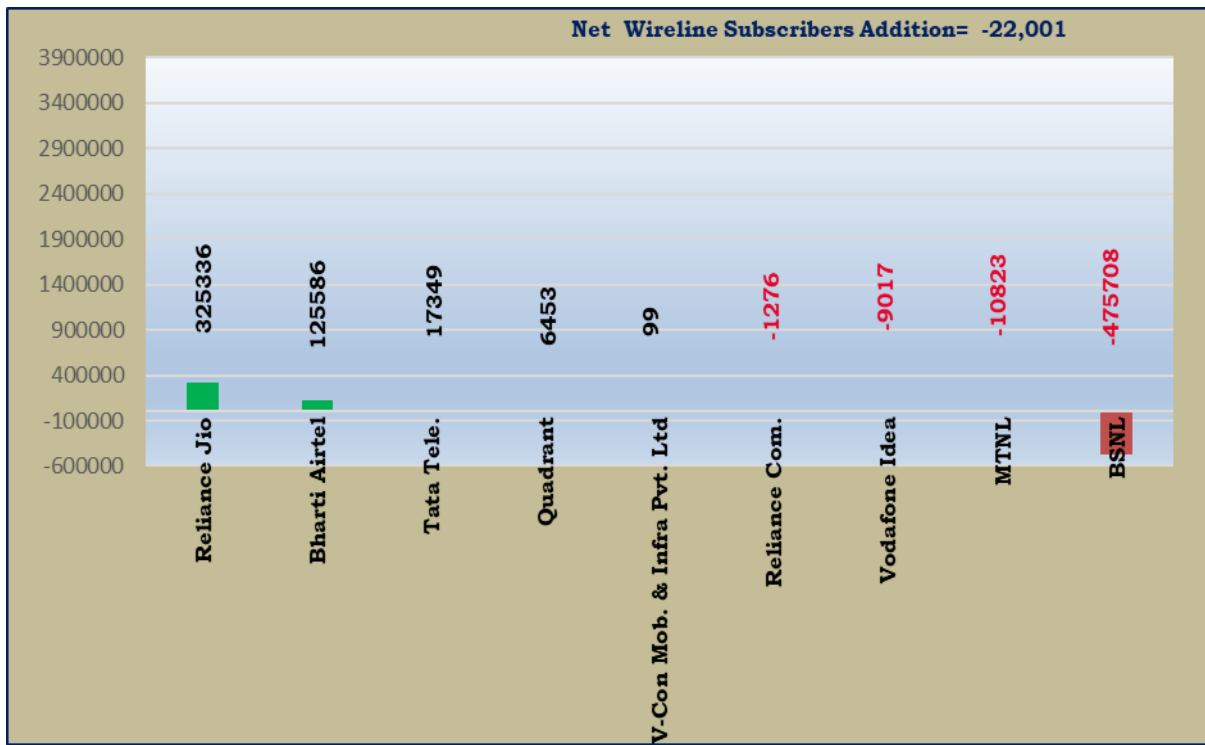
II. Wireline Subscribers

- Wireline subscribers decreased from 29.39 million at the end of April-23 to 29.36 million at the end of May-23. Net decrease in the wireline subscriber base was 0.02 million with a monthly decline rate of 0.07%. The share of urban and rural subscribers in total wireline subscribers were 92.55% and 7.45% respectively at the end of May, 2023.
- The Overall Wireline Tele-density in India decreased from 2.12% at the end of April-23 to 2.11% at the end of May-23. Urban and Rural Wireline Tele-density were 5.55% and 0.24% respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 30.05% of the wireline market share as on 31st May, 2023. Detailed statistics of wireline subscriber base are available at **Annexure-I**.

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



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



III. Wireless subscriber

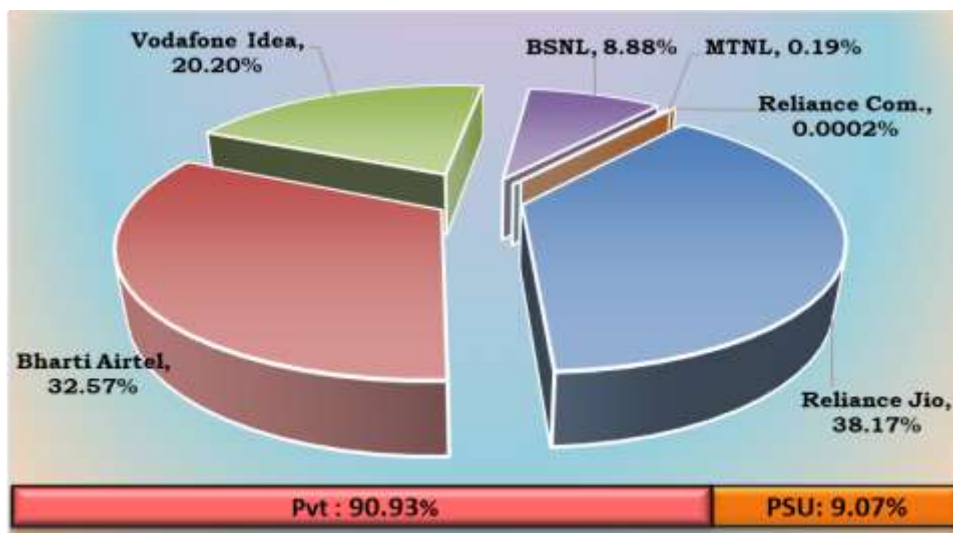
• Total wireless subscribers decreased from 1,143.13 million at the end of April-23, to 1,143.21 million at the end of May-23, thereby registering a monthly growth rate of 0.01%. Wireless subscription in urban areas decreased from 626.74 million at the end of April-23 to 626.26 million at the end of May-23 however wireless subscription in rural areas increased from 516.39 million to 516.95 million during the same period. Monthly growth rate of urban and rural wireless subscription was -0.08% and 0.11% respectively.



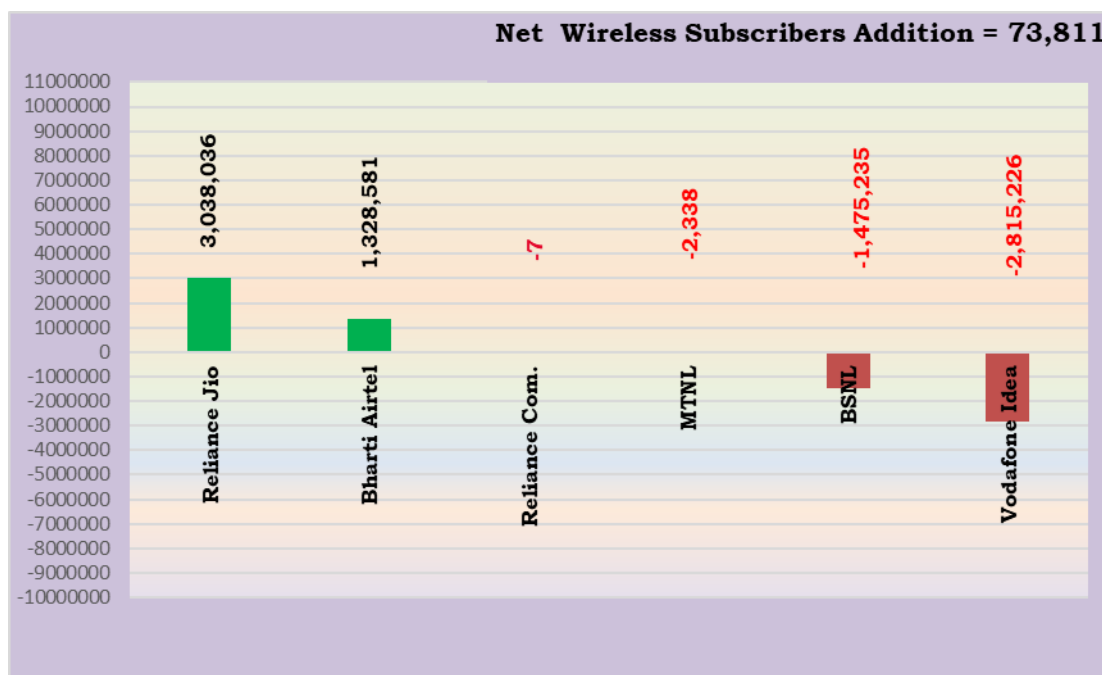
• The Wireless Tele-density in India decreased from 82.34% at the end of April-23 to 82.29% at the end of May-23. The Urban Wireless Tele-density decreased from 128.09% at the end of April-23 to 127.79% at the end of May-23 however Rural Tele-density increased from 57.44% to 57.49% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.78% and 45.22% respectively at the end of May-23. Detailed statistics of wireless subscriber base is available at **Annexure-II**.

- As on 31st May, 2023, the private access service providers held 90.93% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 9.07%.
- 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 May, 2023



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



Growth in Wireless Subscribers

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



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

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



- Except U.P.(E), Kerala, Gujarat, West Bengal, Punjab, Haryana, Kolkata and Tamil Nadu, all other service areas have showed growth in their wireless subscribers during the month of May-23.

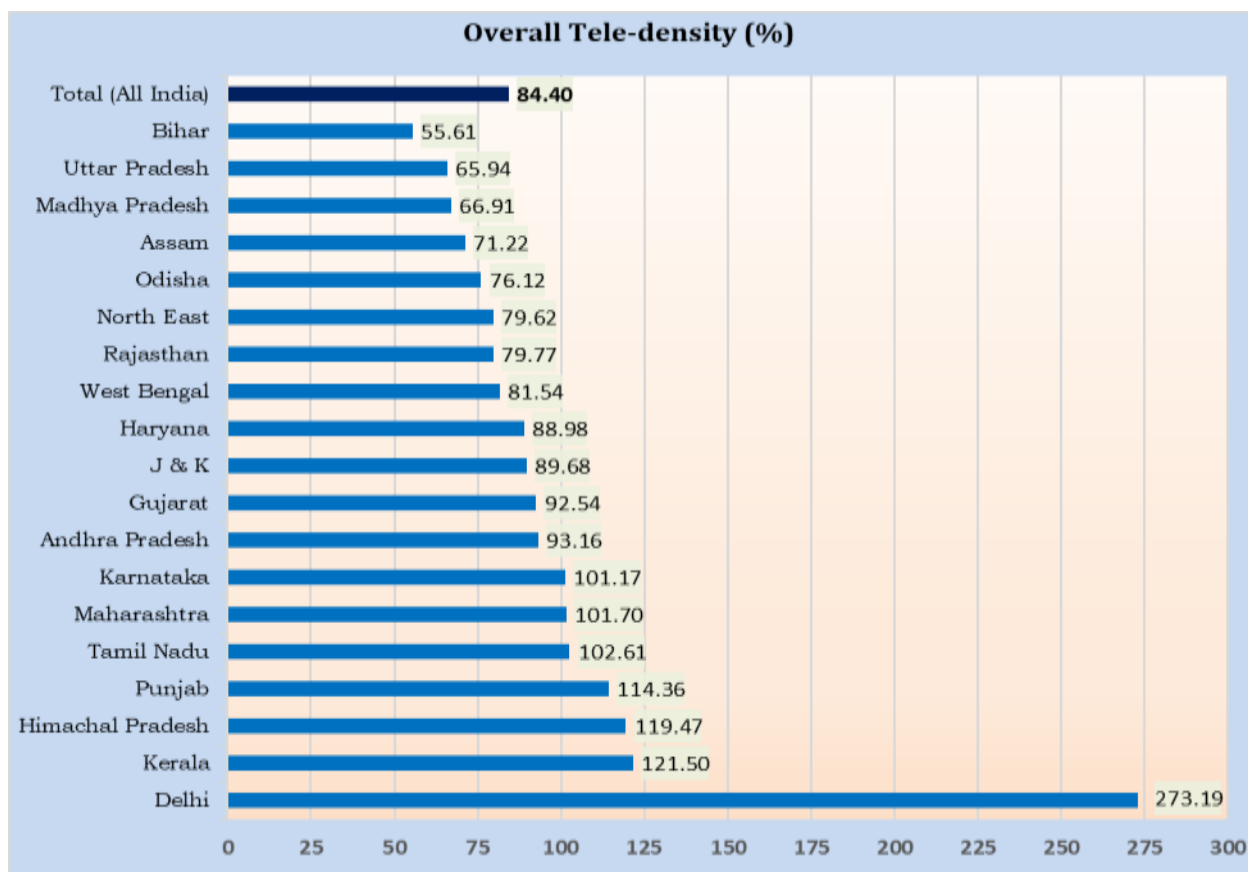
IV. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,172.52 million at the end of April-23 to 1,172.57 million at the end of May-23, thereby showing a monthly growth rate of 0.004%. Urban telephone subscription decreased from 653.88 million at the end of April-23 to 653.43 million at the end of May-23 however the rural subscription increased from 518.64 million to 519.14 million during the same period. The monthly growth rates of urban and rural telephone subscription were -0.07% and 0.10% respectively during the month of May-23.



- The overall Tele-density in India decreased 84.46% at the end of April-23 to 84.40% at the end of May-23. The Urban Tele-density decreased from 133.64% at the end of April-23 to 133.34% at the end of May-23 however Rural Tele-density increased from 57.69% to 57.73% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of May-23 was 55.73% and 44.27% respectively.

Overall Tele-density (LSA Wise) – As on 31st May, 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 May-23. Delhi service area has maximum tele-density of 273.19% and the Bihar service area has minimum tele-density of 55.61% at the end of May-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 Chhathishgarh, 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 May, 2023

Circle Category	Net additions in the month of May, 2023		Telephone Subscriber base as on 31 st May, 2023	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	-2,25,303	-4,93,786	1,11,31,805	38,37,79,433
Circle B	1,12,553	-61,946	74,90,141	46,32,53,921
Circle C	14,922	5,61,812	21,74,825	18,38,18,835
Metro	75,827	67,731	85,67,816	11,23,53,078
All India	-22,001	73,811	2,93,64,587	1,14,32,05,267

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

Circle Category	Monthly growth rate (%) (April-23 to May-23)		Yearly growth rate (%) (May-22 to May-23)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	-1.98%	-0.13%	15.24%	-0.69%
Circle B	1.53%	-0.01%	22.85%	-1.20%
Circle C	0.69%	0.31%	34.00%	2.61%
Metro	0.89%	0.06%	9.12%	1.22%
All India	-0.07%	0.01%	16.38%	-0.20%

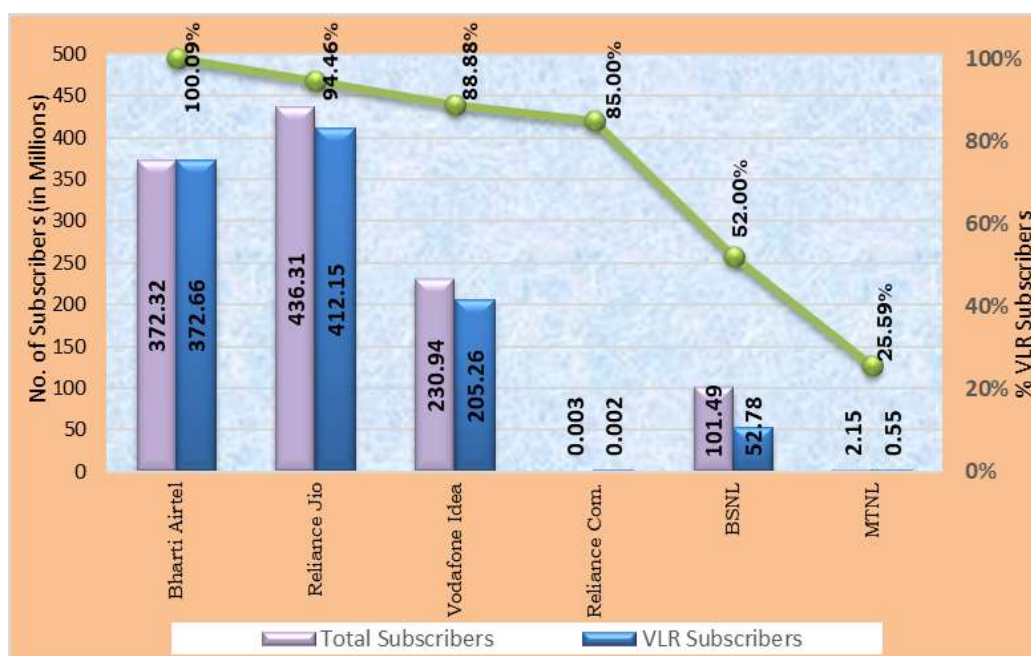
Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

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

VI. Active Wireless Subscribers (VLR Data)

- Out of the total 1,143.21 million wireless subscribers, 1043.41 million wireless subscribers were active on the date of peak VLR in the month of May-23. The proportion of active wireless subscribers was approximately 91.27% 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 May-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 May, 2023



- Bharti Airtel has the maximum proportion 100% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of May-23 and MTNL has the minimum proportion of VLR 25.59% of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of May, 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 May-23, a total of 11.47 million requests were received for MNP. Out of total 11.47 million new requests, 4.71 million requests received from Zone-I and 6.76 million requests received from Zone-II. The cumulative MNP requests increased from 830.65 million at the end of April-23 to 842.12 million at the end of May-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 73.21 million) followed by Maharashtra (about 68.62 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 64.36 million) followed by Karnataka (about 60.98 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)	
	Apr-23	May-23		Apr-23	May-23
Delhi	39.91	40.34	Andhra Pradesh	58.78	59.36
Gujarat	56.55	56.81	Assam	5.88	5.98
Haryana	26.75	26.78	Bihar	44.03	44.72
Himachal Pradesh	3.65	4.29	Karnataka	60.46	60.98
Jammu & Kashmir	1.93	2.36	Kerala	21.00	21.33
Maharashtra	68.52	68.62	Kolkata	16.00	16.54
Mumbai	30.30	31.16	Madhya Pradesh	63.04	64.36
Punjab	28.98	29.28	North East	1.96	2.63
Rajasthan	58.29	58.34	Odisha	15.16	15.44
U.P.(East)	72.33	73.21	Tamil Nadu	55.76	56.55
U.P.(West)	56.20	56.93	West Bengal	45.17	46.11
Total	443.41	448.12	Total	387.27	394.00
Total (Zone-1 + Zone-2)				830.65	842.12
Net Addition (May, 2023)			11.47 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		V-CON Mobile & Infra Pvt. Ltd.		Total		Net Addition
	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	
Andhra Pradesh	675962	630954			475885	487407	19562	19318	233049	231165			69555	67055	1101821	1138515			2575834	2574414	-1420
Assam	112,801	110,011			19336	22426	0	0	0	0			2640	2640	156946	162390			291723	297467	5744
Bihar	189,537	167,765			77664	82293	9	9	10090	10172			2080	2380	449344	466587			728724	729206	482
Delhi	0		1018876	1015775	1955167	1971608	20512	20431	211462	211043			86135	82575	864311	893733			4156463	4195165	38702
Gujarat	329674	322122			206390	216254	2787	2726	145779	150624			59046	58356	565027	576652			1308703	1326734	18031
Haryana	210935	207604			115170	118665	0	0	45962	45707			420	420	110258	114457			482745	486853	4108
Himachal Pradesh	89095	89314			4818	5238	0	0	1554	1579			90	90	51274	53333			146831	149554	2723
J & K	86337	82568			82165	85169	0	0	0	0			30	30	187554	192458			356086	360225	4139
Karnataka	875847	542172			1076845	1087930	18906	18591	387952	394029			152163	151893	801538	831931			3313251	3026546	-286705
Kerala	1026610	1011420			90859	92745	3574	3568	20140	19998			7090	7110	244611	254651			1392884	1389492	-3392
Kolkata	196935	194454			189089	192285	4581	4634	62879	62767			14505	14555	437689	454793			905678	923488	17810
Madhya Pradesh	268890	266206			446710	453893	14	5	45217	44113			34355	34575	593486	616849			1388672	1415641	26969
Maharashtra	598148	586830			389729	399195	9229	9012	230687	233285			24161	22662	238669	246581			1490623	1497565	6942
Mumbai			1279943	1272221	548789	558055	40074	39953	609451	612558			172490	171552	779101	794824			3429848	3449163	19315
North East	76808	73602			0		0	0	0	0			510	510	145742	149583			223060	223695	635
Odisha	179063	171185			0		4	4	10456	10554			3930	3930	220026	229005			413479	414678	1199
Punjab	365371	366490			232846	236736	1925	1925	17095	16938	344968	351421	2180	1980	282721	294364	0	99	1247106	1269953	22847
Rajasthan	279826	276514			200229	204976	3561	3537	23924	24742			15085	15135	347276	359560			869901	884464	14563
Tamil Nadu	958470	953700			817963	831235	17406	17154	142626	145939			33408	33498	698824	725020			2668697	2706546	37849
U.P.(E)	132778	126744			176866	181105	24	27	11230	11437			16570	16480	441047	458827			778515	794620	16105
U.P.(W)	179175	178334			116647	119042	8	8	7019	6985			3496	3496	483825	503949			790170	811814	21644
West Bengal	179069	177634			28459	30955	71	69	2450	2736			120	120	217426	225790			427595	437304	9709
Total	7011331	6535623	2298819	2287996	7251626	7377212	142247	140971	2219022	2236371	344968	351421	700059	691042	9418516	9743852	0	99	29386588	29364587	-22001
Net Addition		-475708		-10823		125586		-1276		17349		6453		-9017		325336		99		-22100	
Rural Subscribers	2045375	1977780	34	34	0	0	362	362	9706	10208	19318	19106	0	0	174030	180171	0	0	2248825	2187661	-61164

Wireless Subscriber Base

Annexure-II

Circle	Bharti Airtel (including Tata Tele.)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	Apr-23	May-23	
Andhra Pradesh	32415587	32578763			11621123	11447975	7985490	7934099					30445264	30638869	82467464	82599706	132242
Assam	11,096,541	11,140,124			1980752	1937529	3189306	3191181					8869670	8928523	25136269	25197357	61088
Bihar	40,318,716	40,422,573			8282431	8133798	5808203	5833901					37338732	37644388	91748082	92034660	286578
Delhi	17107892	17156018	23	23	16646441	16509158					1689493	1689628	18957473	19069518	54401322	54424345	23023
Gujarat	11360507	11373055	47	47	22136400	21932937	5064564	5028454					27753846	27901111	66315364	66235604	-79760
Haryana	6547075	6551136	11	11	7300487	7254897	4550713	4438346					8158151	8230575	26556437	26474965	-81472
Himachal Pradesh	3415983	3423864	92	92	458068	442699	1597504	1603132					3293390	3313440	8765037	8783227	18190
J & K	5826409	5866248	0	0	353914	335707	828960	828900					5039343	5099753	12048626	12130608	81982
Karnataka	31243043	31365250	589	589	6869528	6777831	5704777	5437302					21681487	21984476	65499424	65565448	66024
Kerala	8003269	8045718	113	113	14355479	14245870	9767943	9719202					10120112	10193682	42246916	42204585	-42331
Kolkata	5696931	5648094	0	0	5787009	5686855	2182290	2185623					10382129	10433799	24048359	23954371	-93988
Madhya Pradesh	15366862	15375233	0	0	17011751	16943923	5273599	5214330					39202923	39409857	76855135	76943343	88208
Maharashtra	21137817	21162263	0	0	24148630	23830542	6249033	6169234					39898935	40302352	91434415	91464391	29976
Mumbai	9847047	10020846	925	925	11267067	11163757					458103	455630	12262524	12333204	33835666	33974362	138696
North East	5959686	5964169	0	0	928935	917433	1,362,179	1,356,886					4092809	4108805	12343609	12347293	3684
Odisha	11272875	11330083	29	29	1596649	1580880	6,220,306	6,212,785					14125541	14201913	33215400	33325690	110290
Punjab	12261917	12270513	106	106	7104029	6957971	4,636,709	4,586,885					11443278	11524524	35446039	35339999	-106040
Rajasthan	22516495	22743075	155	155	10150599	9990444	6,020,483	5,928,371					25035943	25262849	63723675	63924894	201219
Tamil Nadu	27840944	27901544	269	262	16457624	16340816	9,899,833	9,190,220	114,812	127,804			24243070	24353638	78556552	77914284	-642268
U.P.(E)	36545104	36629543	0	0	18690203	18298890	8,652,063	8,695,592					35739311	35908799	99626681	99532824	-93857
U.P.(W)	18302909	18327556	8	8	16336895	16182069	5,372,662	5,311,274					22266265	22545744	62278739	62366651	87912
West Bengal	16903592	17020114	147	147	14272647	14029454	2,484,821	2,497,494					22921038	22919451	56582245	56466660	-115585
Total	370987201	372315782	2514	2507	233756661	230941435	102851438	101363211	114812	127804	2147596	2145258	433271234	436309270	1143131456	1143205267	73811
Net Addition		1328581		-7		-2815226		-1488227		12992		-2338		3038036	0	73811	
Rural Subscribers	179,972,084	180,996,231	0	0	113969351	112470485	32,163,139	31,791,810	0	0	35310	33388	190249650	191657999	516389534	516949913	560379

Proportion of VLR on the date of Peak VLR in the month of May-23 (%)							Annexure-III
Circle	Bharti	BSNL	Vodafone Idea	M TNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	99.66	59.29	93.82		-	89.98	91.38
Assam	97.90	41.95	94.27		-	95.70	89.76
Bihar	98.36	38.65	91.87		-	97.76	93.76
Delhi	94.76		61.31	17.72	100.00	86.62	79.37
Gujarat	107.41	43.44	92.53		112.77	91.20	90.80
Haryana	99.81	32.37	90.29		109.09	95.48	84.55
Himachal Pradesh	101.86	58.17	112.98		43.48	106.62	96.24
J & K	92.35	68.97	86.37		-	90.76	89.92
Karnataka	100.92	53.11	89.94		94.23	94.85	93.79
Kerala	96.85	83.17	94.96		129.20	95.10	92.64
Kolkata	95.64	42.04	88.72		-	95.67	89.12
Madhya Pradesh	102.90	47.69	87.23		-	92.25	90.26
Maharashtra	109.08	63.92	92.53		-	99.02	97.29
Mumbai	81.14		66.89	54.78	85.84	78.33	75.08
North East	105.16	53.65	94.94		-	107.43	99.49
Odisha	104.17	50.21	95.97		41.38	100.54	92.17
Punjab	99.31	40.42	93.33		65.09	91.11	87.82
Rajasthan	99.08	42.15	92.33		60.00	96.21	91.61
Tamil Nadu	100.66	67.10	94.59		96.18	93.13	93.02
U.P. (E)	101.55	33.63	93.29		-	96.41	92.24
U.P. (W)	101.71	37.72	93.42		100.00	93.72	91.22
West Bengal	99.95	66.21	90.84		50.34	99.79	96.13
Total	100.09	52.00	88.88	25.59	85.00	94.46	91.27

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.