

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 29th January, 2024

(www.trai.gov.in)

Highlights of Telecom Subscription Data as on 30th November, 2023

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Broadband Subscribers (Million)	858.82	37.79	896.61
Urban Telephone Subscribers (Million)	630.72	28.87	659.58
Net Addition in November, 2023 (Million)	0.36	0.24	0.60
Monthly Growth Rate	0.06%	0.84%	0.09%
Rural Telephone Subscribers (Million)	523.45	2.70	526.15
Net Addition in November, 2023 (Million)	2.83	0.00	2.83
Monthly Growth Rate	0.54%	0.01%	0.54%
Total Telephone Subscribers (Million)	1154.17	31.57	1185.73
Net Addition in November, 2023 (Million)	3.18	0.24	3.42
Monthly Growth Rate	0.28%	0.76%	0.29%
Overall Tele-density*(%)	82.71%	2.26%	84.97%
Urban Tele-density*(%)	127.53%	5.84%	133.36%
Rural Tele-density*(%)	58.10%	0.30%	58.40%
Share of Urban Subscribers	54.65%	91.44%	55.63%
Share of Rural Subscribers	45.35%	8.56%	44.37%

- ❖ In the month of November, 2023, 11.95 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 902.80 million at the end of October-23 to 914.75 million at the end of November-23, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in November, 2023 was 1045.95 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 1,126 operators in November, 2023 in comparison to 1,115 Operator in October 2023, the total Broadband Subscribers increased from 888.27 million at the end of October-23 to 896.61 million at the end of November-23 with a monthly growth rate of 0.94%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

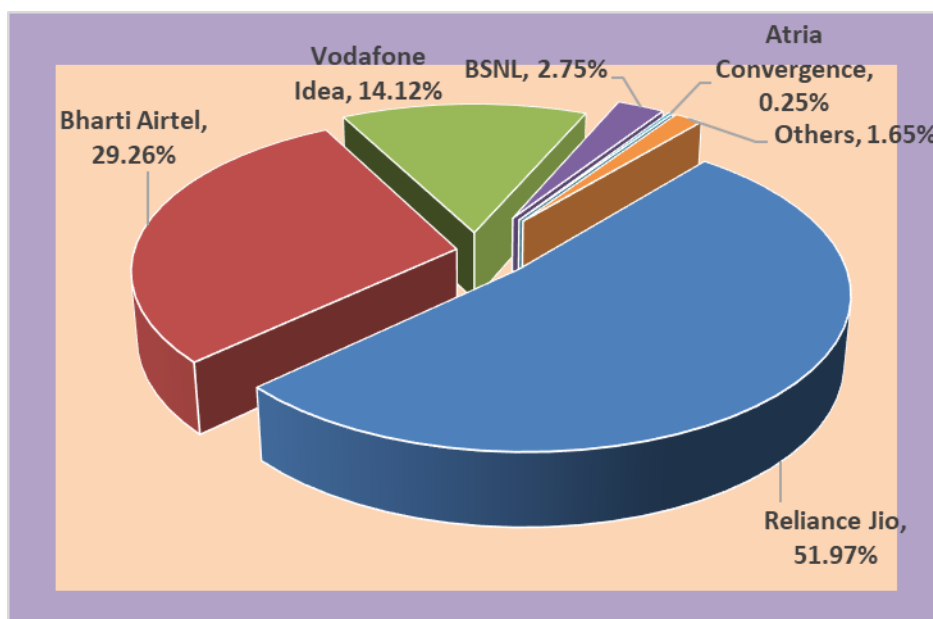
Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of November, 2023

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of November, 2023
	As on 31 st October 2023	As on 30 th November 2023	
Wired subscribers	37.35	37.79	1.18%
Mobile devices users (Phones and dongles)	849.97	857.98	0.94%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	0.95	0.83	-12.83%
Total	888.27	896.61	0.94%

- Top five service providers constituted 98.35% market share of the total broadband subscribers at the end of November-23. These service providers were Reliance Jio Infocomm Ltd 465.97 million, Bharti Airtel 262.35 million, Vodafone Idea 126.64 million, BSNL 24.65 million and Atria Convergence 2.21 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 30th November, 2023**

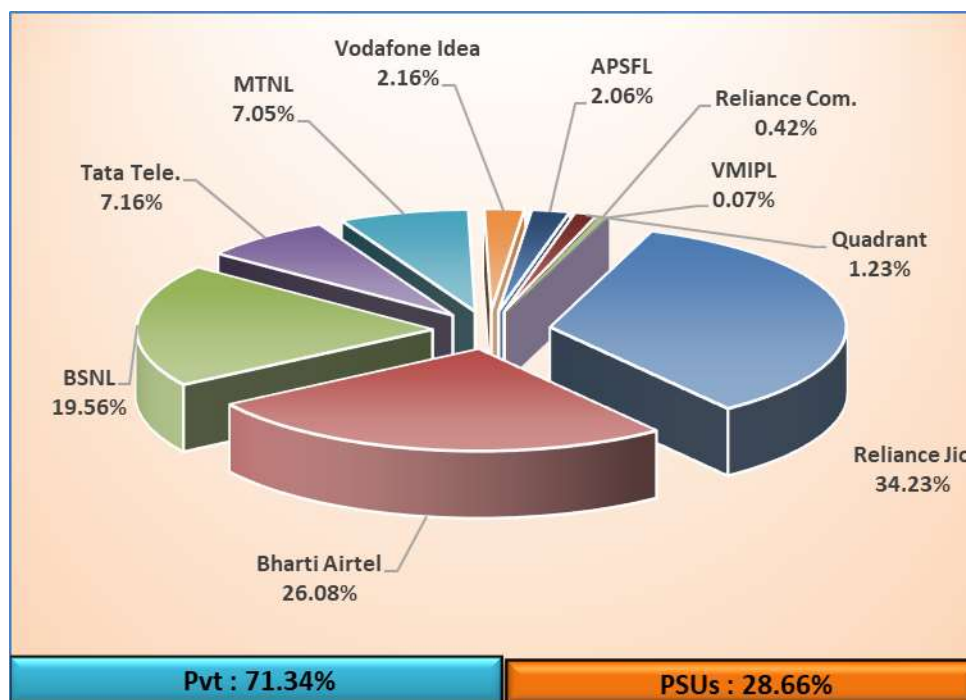


- As on 30th November, 2023, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd 10.15 million, Bharti Airtel 7.28 million, BSNL 3.80 million, Atria Convergence Technologies 2.21 million and Oneott Entertainment Limited 1.14 million.
- As on 30th November, 2023, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd 455.82 million, Bharti Airtel 255.07 million, Vodafone Idea 126.63 million, BSNL 20.85 million and Intech Online Pvt. Ltd. 0.24 million.

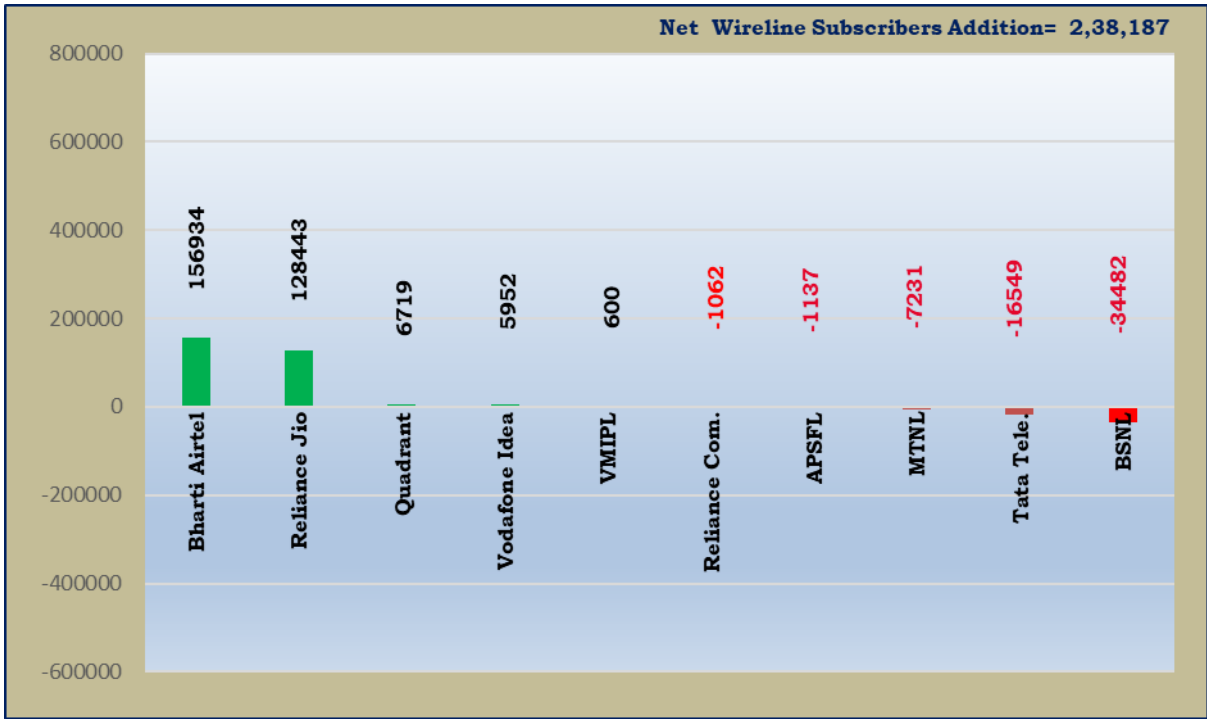
II. Wireline Subscribers

- Wireline subscribers increased from 31.33 million at the end of October-23 to 31.57 million at the end of November-23. Net increase in the wireline subscriber base was 0.24 million with a monthly rate of growth 0.76%. The share of urban and rural subscribers in total wireline subscribers were 91.44% and 8.56% respectively at the end of November, 2023.
- The Overall Wireline Tele-density in India increased from 2.25% at the end of October-23 to 2.26% at the end of November-23. Urban and Rural Wireline Tele-density were 5.84% and 0.30% respectively during the same period.
- BSNL, MTNL and APSFL, the three PSUs access service providers, held 28.66% of the wireline market share as on 30th November, 2023. Detailed statistics of wireline subscriber base are available at **Annexure-I**.

Access Service Provider-wise Market Share of Wireline Subscribers as on 30th November, 2023



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



III. Wireless subscriber

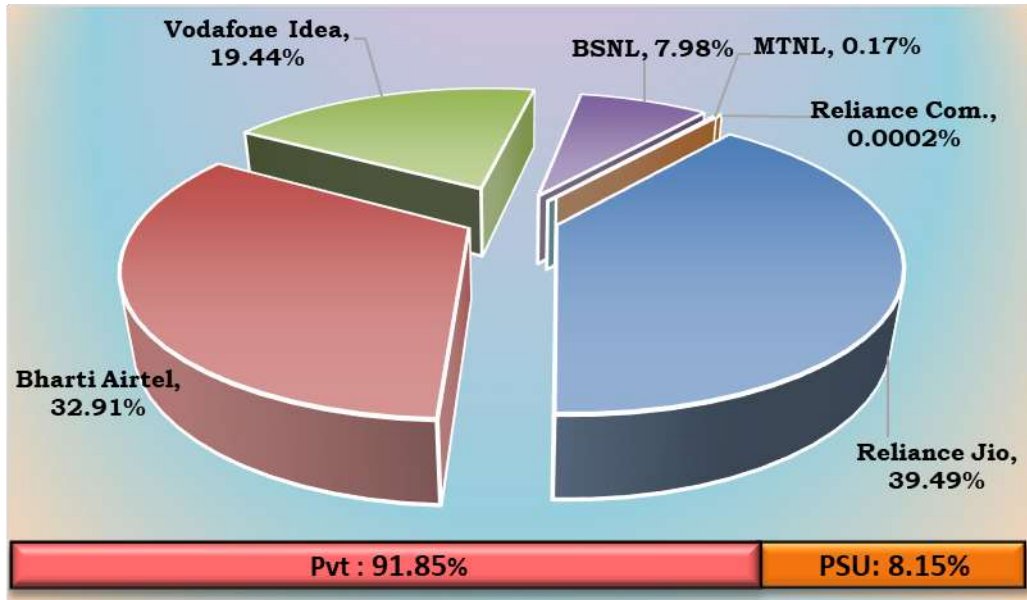
• Total wireless subscribers increased from 1,150.98 million at the end of October-23, to 1,154.17 million at the end of November-23, thereby registering a monthly growth rate of 0.28%. Wireless subscription in urban areas increased from 630.36 million at the end of Oct-23 to 630.72 million at the end of Nov-23 and wireless subscription in rural areas also increased from 520.62 million to 523.45 million during the same period. Monthly growth rate of urban and rural wireless subscription was 0.06% and 0.54% respectively.



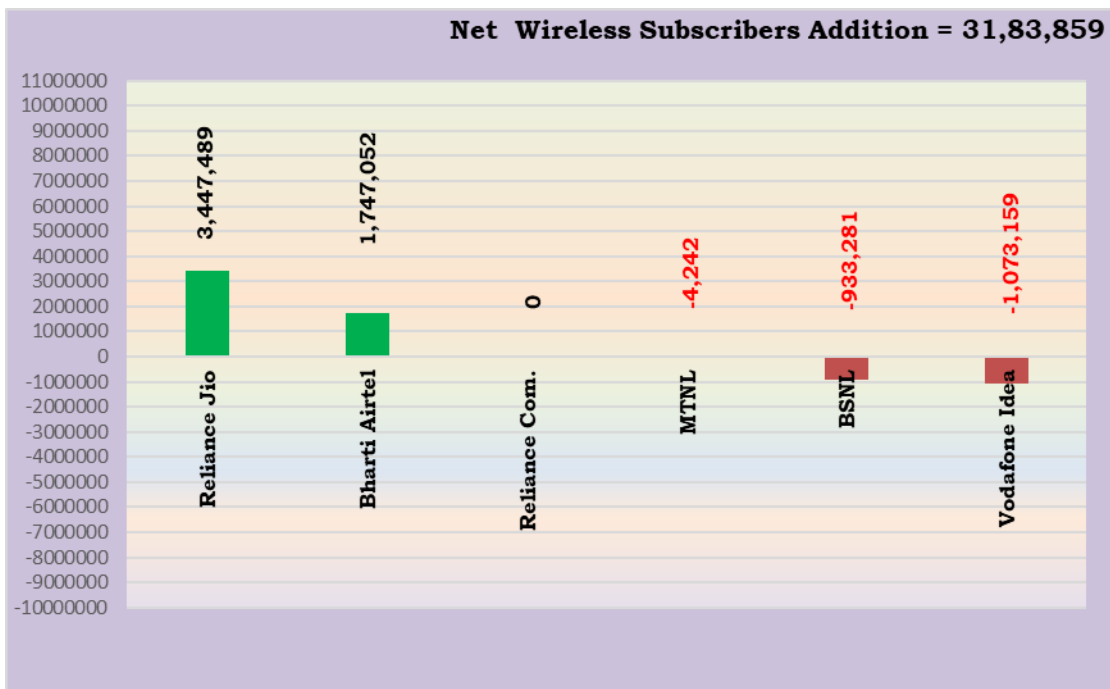
• The Wireless Tele-density in India increased from 82.54% at the end of October-23 to 82.71% at the end of November-23. The Urban Wireless Tele-density decreased from 127.65% at the end of October-23 to 127.53% at the end of November-23 however Rural Tele-density increased from 57.81% to 58.10% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.65% and 45.35% respectively at the end of November-23. Detailed statistics of wireless subscriber base is available at **Annexure-II**.

- As on 30th November, 2023, the private access service providers held 91.85% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 8.15%.
- 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 November, 2023

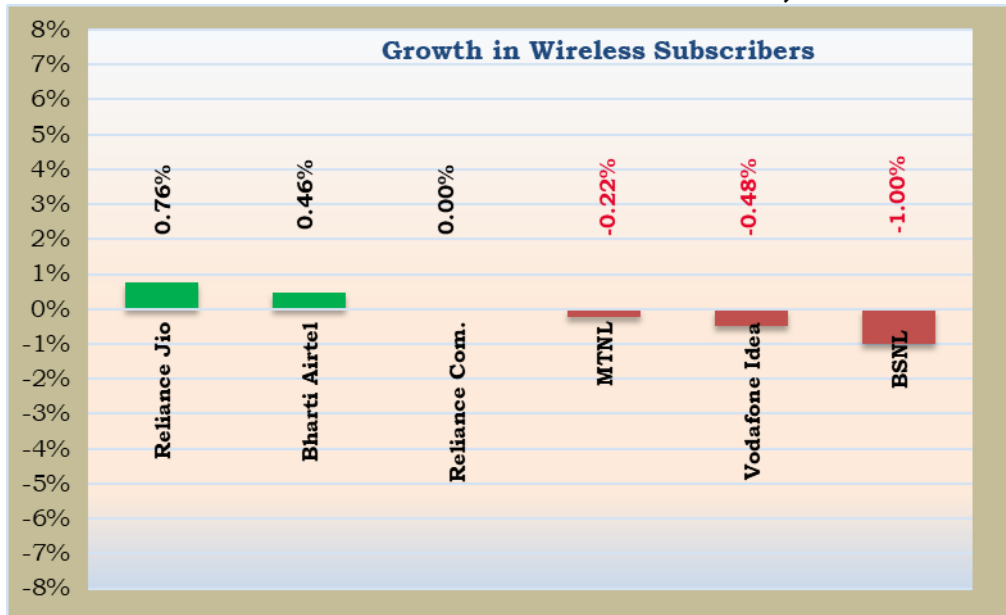


Net Addition in Wireless Subscribers of Access Service Providers in the month of November, 2023



Growth in Wireless Subscribers

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



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

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



- Except, Assam, Kerala, Rajasthan, Himachal Pradesh, J & K and Odisha, all other service areas have showed growth in their wireless subscribers during the month of November-23.

IV. Total Telephone Subscribers7

- The number of telephone subscribers in India increased from 1,182.31 million at the end of October-23 to 1,185.73 million at the end of November-23, thereby showing a monthly growth rate of 0.29%. Urban telephone subscription increased from 658.99 million at the end of October-23 to 659.58 million at the end of November-23 and the rural subscription also increased from 523.32 million to 526.15 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.09% and 0.54% respectively during the month of November-23.



- The overall Tele-density in India increased from 84.79% at the end of October-23 to 84.97% at the end of November-23. The Urban Tele-density decreased from 133.45% at the end of October-23 to 133.36% at the end of November-23 however Rural Tele-density increased from 58.11% to 58.40% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of November-23 were 55.63% and 44.37% respectively.

Overall Tele-density (LSA Wise) – As on 30th November, 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 November-23. Delhi service area has maximum tele-density of 277.80% and the Bihar service area has minimum tele-density of 56.18% at the end of November-23.

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 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
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 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.

V. Category-wise Growth in subscriber base

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

Circle Category	Net additions in the month of November, 2023		Telephone Subscriber base as on 30 th November, 2023	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	98,439	14,59,588	1,23,35,538	38,64,27,805
Circle B	73,920	9,89,843	80,67,216	46,79,96,097
Circle C	60,600	1,73,264	23,91,936	18,57,32,862
Metro	5,228	5,61,164	87,71,594	11,40,09,260
All India	2,38,187	31,83,859	3,15,66,284	1,15,41,66,024

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

Circle Category	Monthly growth rate (%) (October-23 to November-23)		Yearly growth rate (%) (November-22 to November-23)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	0.80%	0.38%	19.05%	0.55%
Circle B	0.92%	0.21%	20.39%	0.77%
Circle C	2.60%	0.09%	25.14%	1.50%
Metro	0.06%	0.49%	7.49%	2.43%
All India	0.76%	0.28%	16.33%	0.97%

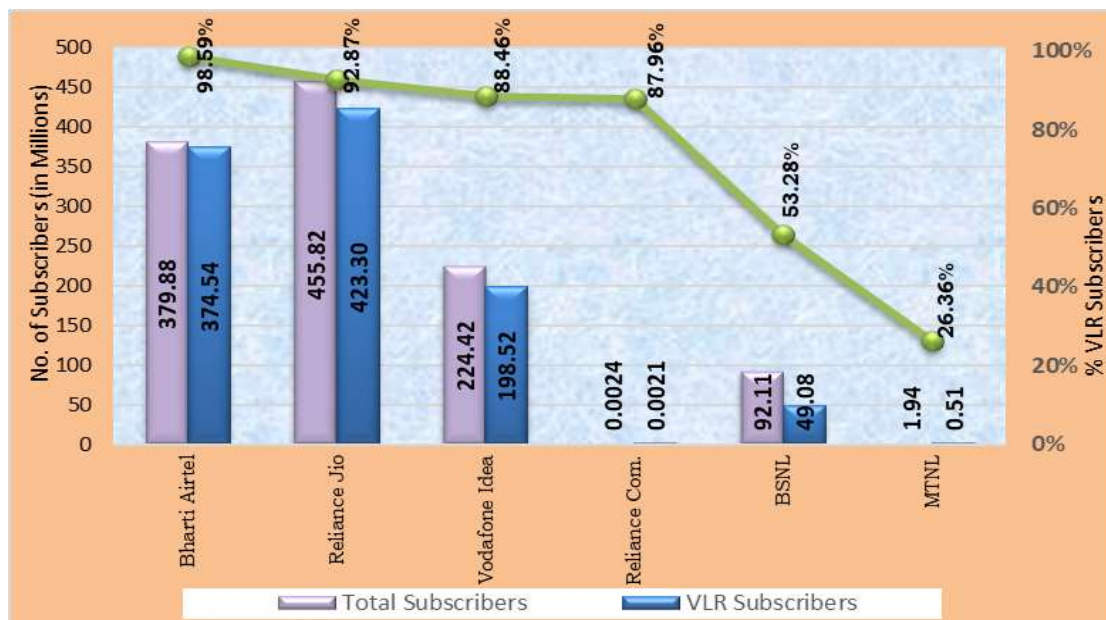
Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

- As can be seen in the above tables, in wireless segment, during the month of November, 2023, both on monthly and yearly basis all circles have registered growth rate in their subscriber.
- During the month of November, 2023, 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 1,154.17 million wireless subscribers, 1045.95 million wireless subscribers were active on the date of peak VLR in the month of November-23. The proportion of active wireless subscribers was approximately 90.62% 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 November-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 November, 2023



- Bharti Airtel has the maximum proportion 98.59% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of November-23 and MTNL has the minimum proportion of VLR 26.36% of its HLR during the same period.

**Service Area wise percentage of VLR Subscribers
in the month of November, 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 November-23, a total of 11.95 million requests were received for MNP. Out of total 11.95 million, new requests received from Zone-I & Zone-II were 6.74 million and 5.21 million respectively. The cumulative MNP requests increased from 902.80 million at the end of October-23 to 914.75 million at the end of November-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 83.78 million) followed by Maharashtra (about 75.25 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 70.24 million) followed by Karnataka (about 64.62 million).

Service Area Wise MNP Status					
Zone-I			Zone-II		
Service Area	Number of Porting Requests (in Million)		Service Area	Number of Porting Requests (in Million)	
	Oct-23	Nov-23		Oct-23	Nov-23
Delhi	43.36	43.91	Andhra Pradesh	62.23	62.82
Gujarat	61.62	62.39	Assam	6.44	6.54
Haryana	28.80	29.14	Bihar	48.96	49.77
Himachal Pradesh	3.92	3.97	Karnataka	64.03	64.62
Jammu & Kashmir	2.18	2.22	Kerala	22.33	22.57
Maharashtra	74.32	75.25	Kolkata	17.06	17.24
Mumbai	31.80	32.06	Madhya Pradesh	69.23	70.24
Punjab	30.86	31.15	North East	2.09	2.11
Rajasthan	62.75	63.40	Odisha	16.19	16.36
U.P.(East)	82.08	83.78	Tamil Nadu	59.05	59.62
U.P.(West)	63.19	64.35	West Bengal	50.33	51.26
Total	484.87	491.61	Total	417.93	423.15
Total (Zone-I + Zone-II)				902.80	914.75
Net Addition (November, 2023)		11.95 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.		APSFL		Total		Net Addition
	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	
Andhra Pradesh	533620	526385			574004	593727	19215	19083	237946	237541			64615	64745	1259518	1277274			650008	648871	3338926	3367626	28700
Assam	101,923	101,497			27477	28389	0	0	0	0			2610	2610	175395	177490					307405	309986	2581
Bihar	163,059	163,128			99122	136882	9	9	11220	11163			2380	2380	505507	512362					781297	825924	44627
Delhi			1003018	1000383	2069651	2082769	18759	18483	210674	209656			78355	78360	936497	937398					4316954	4327049	10095
Gujarat	292265	289467			243467	251644	2902	2892	165430	165350			62566	65866	638831	644913					1405461	1420132	14671
Haryana	195687	190533			144379	147562	0	0	44806	43533			420	420	127265	129239					512557	511287	-1270
Himachal Pradesh	88668	88378			7405	7731	0	0	1458	1461			90	90	57286	57870					154907	155530	623
J & K	77873	76678			101882	104792	0	0	0	0			30	30	201069	202246					380854	383746	2892
Karnataka	527527	519877			1152933	1179008	17319	17158	418962	410994			136188	141340	930195	939808					3183124	3208185	25061
Kerala	989466	986195			99514	100764	3264	3286	19718	19742			6880	6850	285953	291022					1404795	1407859	3064
Kolkata	182243	182138			203351	203666	4583	4602	64904	65118			15070	15020	490011	494399					960162	964943	4781
Madhya Pradesh	245380	245544			505681	516447	5	5	57584	57505			45280	46210	694866	707180					1548796	1572891	24095
Maharashtra	538695	551979			452434	457598	8107	8159	225936	223878			20671	20631	267377	277321					1513220	1539566	26346
Mumbai			1229068	1224472	586427	588763	38013	37681	607143	603464			166401	163276	862198	861946					3489250	3479602	-9648
North East	70857	71010			0	0	0	0	0	0			510	510	168912	173706					240279	245226	4947
Odisha	162253	161068			38753	41812	4	4	12174	12144			3630	3380	249780	253116					466594	471524	4930
Punjab	371526	373391			257018	259880	1893	1877	16557	16528	381325	388044	1800	1800	332493	337853	20829	21429			1383441	1400802	17361
Rajasthan	268171	265620			241819	249103	3523	3493	24078	24492			12635	12545	382703	387512					932929	942765	9836
Tamil Nadu	922912	907098			886521	893265	15949	15772	138388	137944			33983	33923	798615	812027					2796368	2800029	3661
U.P.(E)	119744	120217			202701	205137	38	18	10787	10600			16620	16700	506012	512488					855902	865160	9258
U.P.(W)	177400	177133			133363	134294	8	8	6886	7018			3631	3631	563650	573811					884938	895895	10957
West Bengal	179498	176949			46570	48173	68	67	2618	2589			150	150	241034	242629					469938	470557	619
Total	6208767	6174285	2232086	2224855	8074472	8231406	133659	132597	2277269	2260720	381325	388044	674515	680467	10675167	10803610	20829	21429	650008	648871	31328097	31566284	238187
Net Addition		-34482		-7231		156934		-1062		-16549		6719		5952		128443		600		-1137		238187	
Rural Subscribers	1974626	1972177	34	34	2962	2383	361	331	9097	8745	17246	17065	0	0	215504	220134	0	481006	480165	2700836	2701034	198	

Wireless Subscriber Base

Annexure-II

Circle	Bharti Airtel (including Tata)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	Oct-23	Nov-23	
Andhra Pradesh	33228319	33362834			10910051	10952353	6528946	6525300					31679570	31980716	82346886	82821203	474317
Assam	11,540,572	11,548,817			1773143	1739650	3186369	3136425					9127459	9197447	25627543	25622339	-5204
Bihar	40,673,476	41,025,566			7760256	7718352	5407684	5191375					39268897	39607432	93110313	93542725	432412
Delhi	17733883	17872157	23	23	16502307	16560519					1687496	1687182	19604655	19707070	55528364	55826951	298587
Gujarat	11507371	11605707	43	43	21198361	21077128	4409497	4406518					28629180	29007074	65744452	66096470	352018
Haryana	6762479	6812086	11	11	6920434	6884301	4249899	4312759					8494178	8510805	26427001	26519962	92961
Himachal Pradesh	3555543	3558426	92	92	408440	405602	1541724	1546714					3347771	3333512	8853570	8844346	-9224
J & K	5929524	5901934	0	0	304916	302020	819143	811267					5193883	5169270	12247466	12184491	-62975
Karnataka	31673762	31840225	574	574	6608091	6543662	4324722	4271752					23112566	23350160	65719715	66006373	286658
Kerala	8359487	8412596	113	113	13826281	13753816	9569307	9484282					10650206	10722479	42405394	42373286	-32108
Kolkata	5685327	5685525	0	0	5422060	5475184	2162466	2135168					10631482	10673453	23901335	23969330	67995
Madhya Pradesh	15749108	15804052	0	0	16056589	15954356	4931282	4866660					40964490	41341599	77701469	77966667	265198
Maharashtra	21285075	21434762	0	0	23253124	23088405	6002034	5932278					42931328	43011738	93471561	93467183	-4378
Mumbai	9930689	9998440	877	877	11210893	11259219					259892	255964	12616046	12698479	34018397	34212979	194582
North East	6122437	6144465	0	0	846756	831926	1,254,836	1,247,564					4139823	4164415	12363852	12388370	24518
Odisha	11422859	11460253	29	29	1524537	1526680	5,735,155	5,452,631					14674274	14710998	33356854	33150591	-206263
Punjab	12439668	12487975	106	106	6595841	6597101	4,046,789	4,018,254					11804802	11886480	34887206	34989916	102710
Rajasthan	23007123	22968577	155	155	11339450	11132160	5,698,869	5,640,275					25760356	26012963	65805953	65754130	-51823
Tamil Nadu	28773048	28959220	238	238	16102580	16092353	7,543,617	7,531,699	170,419	175,984			25095701	25277082	77685603	78036576	350973
U.P.(E)	36809888	36788686	0	0	17646785	17445631	8,128,335	8,096,363					37737625	38234506	100322633	100565186	242553
U.P.(W)	18363549	18551962	8	8	15749526	15625011	4,946,897	4,934,370					23302582	23517154	62362562	62628505	265943
West Bengal	17580024	17655998	115	115	13529567	13451400	2,381,712	2,388,783					23602618	23702149	57094036	57198445	104409
Total	378133211	379880263	2384	2384	225489988	224416829	92869283	91930437	170419	175984	1947388	1943146	452369492	455816981	1150982165	1154166024	3183859
Net Addition		1747052	0	0		-1073159		-938846	3.1E+07	5565		-4242	3447489	31344019	3183859		
Rural Subscribers	182,609,294	185,002,870	0	0	109647922	108955900	29,146,142	28,749,844	0	0	35269	35262	199182599	200703370	520621226	523447246	2826020

Proportion of VLR on the date of Peak VLR in the month of Nov-23 (%)							Annexure-III
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	98.43	64.32	93.48		-	88.42	91.22
Assam	96.08	39.30	92.75		-	93.93	88.13
Bihar	93.55	36.26	91.76		-	92.81	89.91
Delhi	90.27		61.55	16.96	100.00	90.44	79.59
Gujarat	104.31	44.79	92.83		120.93	95.69	92.90
Haryana	100.75	28.61	92.34		109.09	94.71	84.90
Himachal Pradesh	96.27	54.08	102.12		43.48	109.40	94.11
J & K	89.82	68.01	86.54		-	84.20	85.90
Karnataka	98.09	61.37	84.23		99.48	92.17	92.24
Kerala	102.01	86.44	94.03		126.55	89.48	92.77
Kolkata	94.59	41.97	96.13		-	97.42	91.51
Madhya Pradesh	101.62	45.89	86.11		-	92.98	90.39
Maharashtra	108.05	63.16	91.08		-	95.41	95.19
Mumbai	85.13		70.03	88.36	87.46	84.53	79.96
North East	103.82	55.54	94.43		-	105.57	98.91
Odisha	106.58	50.46	93.07		41.38	95.74	91.91
Punjab	100.46	41.81	93.76		63.21	94.25	90.35
Rajasthan	101.57	44.17	93.58		59.35	95.11	92.74
Tamil Nadu	97.53	76.52	92.56		99.58	90.07	92.02
U.P. (E)	98.56	32.14	90.69		-	91.94	89.33
U.P. (W)	102.66	36.51	93.38		100.00	91.16	90.81
West Bengal	98.89	65.18	91.56		63.48	94.81	94.07
Total	98.59	53.28	88.46	26.36	87.96	92.87	90.62

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.