

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 16th February, 2023

(www.trai.gov.in)

Highlights of Telecom Subscription Data as on 31st December, 2022

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Broadband Subscribers (Million)	799.82	32.35	832.20
Urban Telephone Subscribers (Million)	627.03	25.35	652.39
Net Addition in December, 2022 (Million)	0.44	0.27	0.71
Monthly Growth Rate	0.07%	1.09%	0.11%
Rural Telephone Subscribers (Million)	515.89	2.10	517.99
Net Addition in December, 2022 (Million)	-0.55	0.048	-0.50
Monthly Growth Rate	-0.11%	2.32%	-0.10%
Total Telephone Subscribers (Million)	1142.93	27.45	1170.38
Net Addition in December, 2022 (Million)	-0.12	0.32	0.20
Monthly Growth Rate	-0.01%	1.18%	0.02%
Overall Tele-density*(%)	82.57%	1.98%	84.56%
Urban Tele-density*(%)	128.94%	5.21%	134.16%
Rural Tele-density*(%)	57.46%	0.23%	57.69%
Share of Urban Subscribers	54.86%	92.35%	55.74%
Share of Rural Subscribers	45.14%	7.65%	44.26%

- ❖ In the month of December, 2022, 12.49 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 771.94 million at the end of November-22 to 784.43 million at the end of December-22, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in December, 2022 was 1020.91 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 907 operators in December, 2022 in comparison to 887 Operator in November 2022, the total Broadband Subscribers increased from 825.38 million at the end of November-22 to 832.20 million at the end of December-22 with a monthly growth rate of 0.83%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

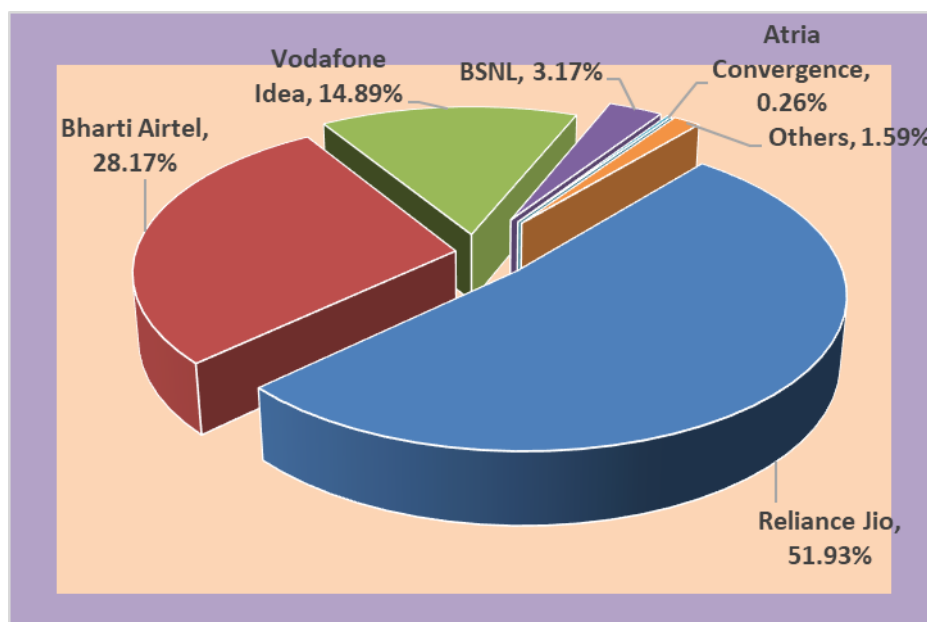
Segment-wise Broadband Subscribers and Monthly Growth Rate in the month of December, 2022

Segment	Broadband subscribers (in million)		Monthly growth rate in the month of December, 2022
	As on 30 th November, 2022	As on 31st December, 2022	
Wired subscribers	31.83	32.35	1.76%
Mobile devices users (Phones and dongles)	792.47	798.69	0.78%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to- Point Radio & VSAT)	1.08	1.13	4.44%
Total	825.38	832.20	0.83%

- Top five service providers constituted 98.41% market share of the total broadband subscribers at the end of December-22. These service providers were Reliance Jio Infocomm Ltd (432.16 million), Bharti Airtel (234.46 million), Vodafone Idea (123.87 million), BSNL (26.35 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 December, 2022**

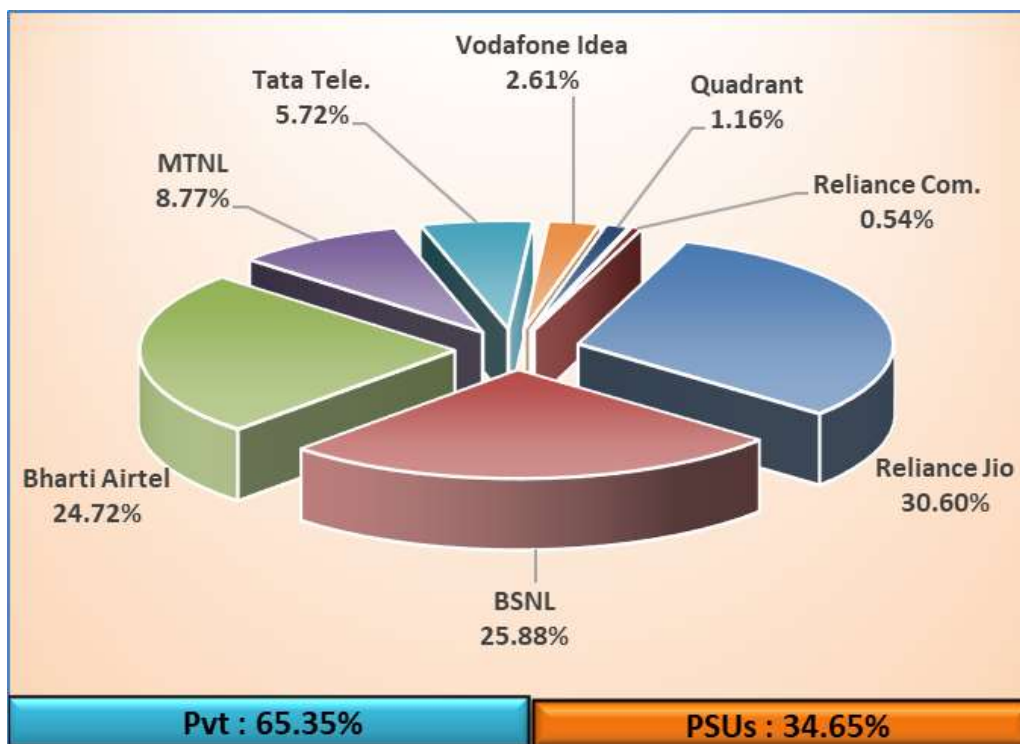


- As on 31st December, 2022, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd (7.65 million), Bharti Airtel (5.71 million), BSNL (4.11 million), Atria Convergence Technologies (2.14 million) and Hathway Cable & Datacom (1.13 million).
- As on 31st December, 2022, the top five Wireless Broadband Service providers were Reliance Jio Infocomm Ltd (424.52 million), Bharti Airtel (228.76 million), Vodafone Idea (123.87 million), BSNL (22.24 million) and Intech Online Pvt. Ltd. (0.23 million).

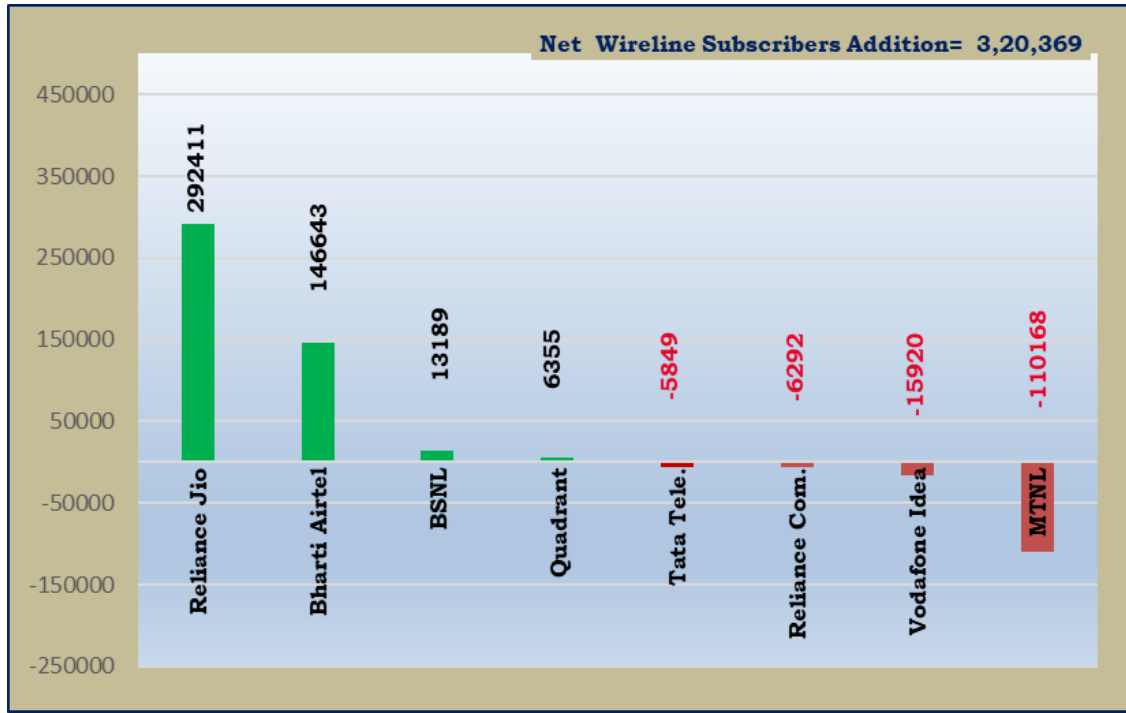
II. Wireline Subscribers

- Wireline subscribers increased from 27.13 million at the end of November-22 to 27.45 million at the end of December-22. Net increase in the wireline subscriber base was 0.32 million with a monthly growth rate of 1.18%. The share of urban and rural subscribers in total wireline subscribers were 92.35% and 7.65% respectively at the end of December, 2022.
- The Overall Wireline Tele-density in India increased from 1.96% at the end of November-22 to 1.98% at the end of December-22. Urban and Rural Wireline Tele-density were 5.21% and 0.23% respectively during the same period.
- BSNL and MTNL, the two PSU access service providers, held 34.65% of the wireline market share as on 31st December, 2022. Detailed statistics of wireline subscriber base are available at **Annexure-I**.

Access Service Provider-wise Market Share of Wireline Subscribers as on 31st December, 2022



Access Service Provider-wise Net Addition/Decline in Wireline Subscribers during the month of December, 2022



III. Wireless subscriber

• Total wireless subscribers decreased from 1,143.04 million at the end of November-22, to 1,142.93 million at the end of December-22, thereby registering a monthly decline rate of 0.01%. Wireless subscription in urban areas increased from 626.60 million at the end of November-22 to 627.03 million at the end of December-22 however, wireless subscription in rural areas decreased from 516.45 million to 515.89 million during the same period. Monthly growth rates of urban and rural wireless subscription were 0.07% and -0.11% respectively.

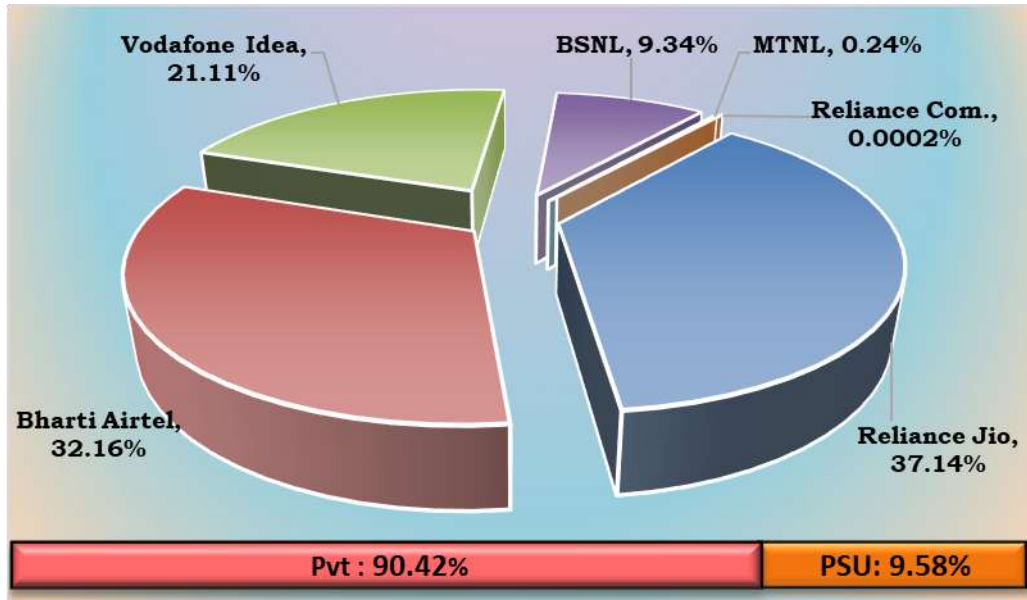


• The Wireless Tele-density in India decreased from 82.64% at the end of November-22 to 82.57% at the end of December-22. The Urban Wireless Tele-density decreased from 129.05% at the end of November-22 to 128.94% at the end of December-22 and Rural Tele-density also decreased from 57.54% to 57.46% during 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 December-22. Detailed statistics of

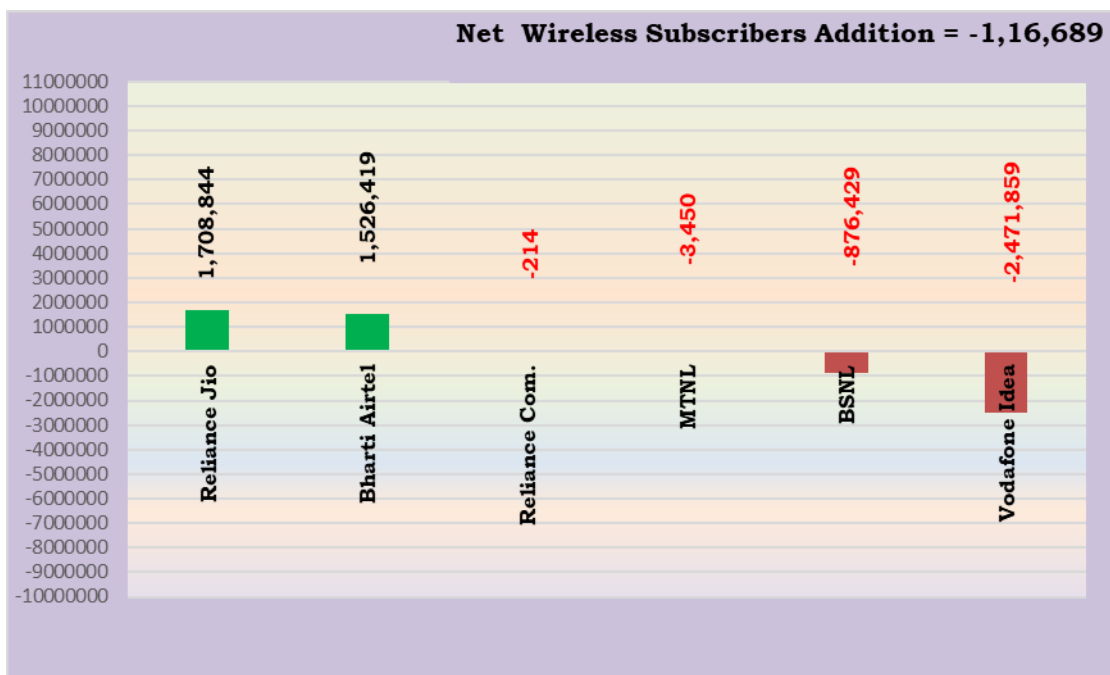
wireless subscriber base is available at **Annexure-II**.

- As on 31st December, 2022, the private access service providers held 90.42% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 9.58%.
- 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 December, 2022



Net Addition in Wireless Subscribers of Access Service Providers in the month of December, 2022



Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the month of December, 2022



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

Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of December, 2022



- Except Kerala, Haryana, West Bengal, Gujarat, Bihar, U.P.(E), U.P.(W) and Himachal Pradesh service areas, all other service areas have showed growth rate in their wireless subscribers during the month of December-22.

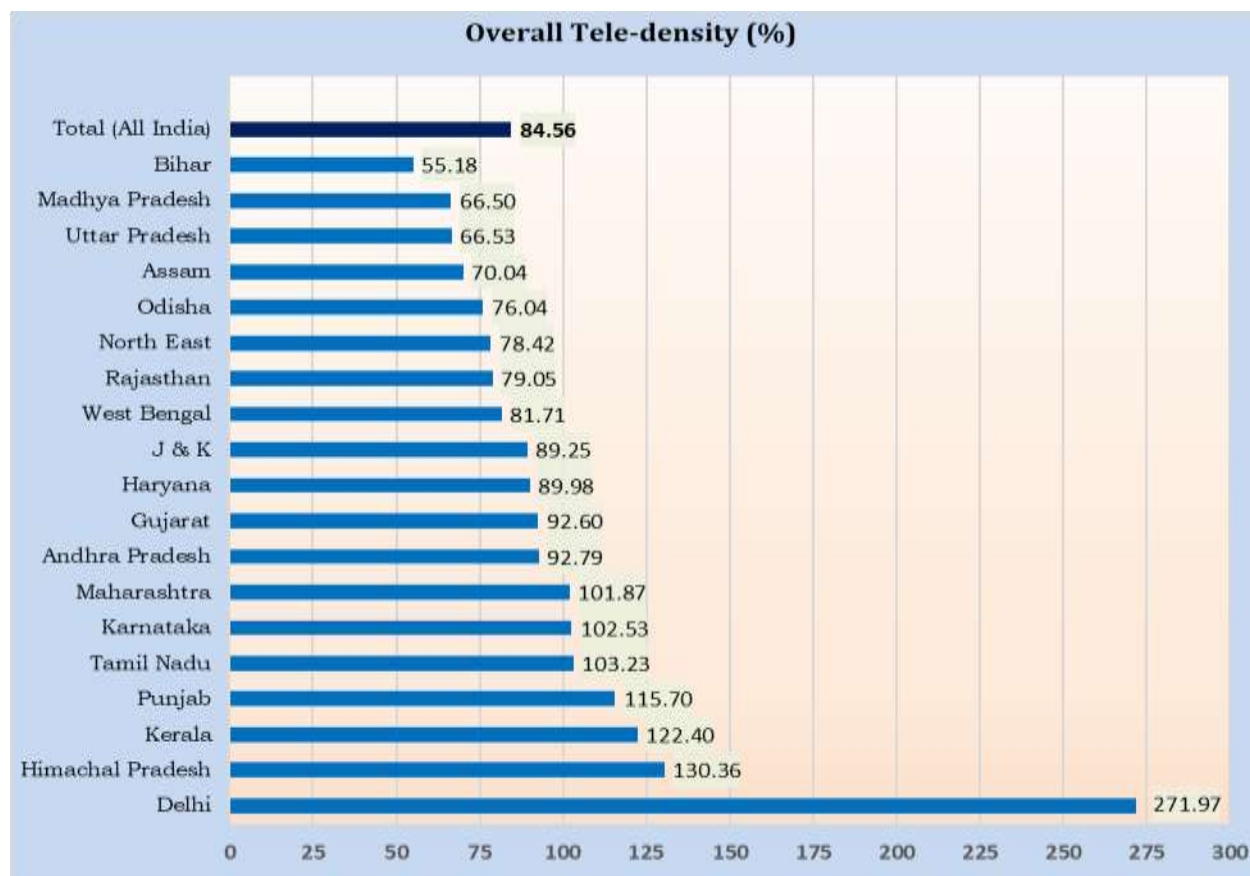
IV. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,170.18 million at the end of November-22 to 1,170.38 million at the end of December-22, thereby showing a monthly growth rate of 0.02%. Urban telephone subscription increased from 651.68 million at the end of November-22 to 652.39 million at the end of December-22 however, the rural subscription decreased from 518.50 million to 517.99 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.11% and -0.10% respectively during the month of December-22.



- The overall Tele-density in India decreased 84.61% at the end of November-22 to 84.56% at the end of December-22. The Urban Tele-density decreased from 134.22% at the end of November-22 to 134.16% at the end of December-22 and Rural Tele-density also decreased from 57.77% to 57.69% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of December-22 was 55.74% and 44.26% respectively.

Overall Tele-density (LSA Wise) – As on 31st December, 2022



- 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 December-22. Delhi service area has maximum tele-density of 271.97% and the Bihar service area has minimum tele-density of 55.18% at the end of December-22.

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 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 December 2022

Circle Category	Net additions in the month of December, 2022		Telephone Subscriber base as on 31 st December, 2022	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	1,53,581	3,44,086	1,05,14,937	3,84,67,6447
Circle B	1,52,425	-7,11,015	68,53,349	46,37,05,534
Circle C	51,369	-3,47,858	19,62,808	18,26,45,115
Metro	-37,006	5,98,098	81,23,733	11,18,98,137
All India	3,20,369	-1,16,689	2,74,54,827	1,14,29,25,233

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of December 2022

Circle Category	Monthly growth rate (%) (November-22 to December-22)		Yearly growth rate (%) (December-21 to December-22)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	1.48%	0.09%	15.56%	-1.87%
Circle B	2.27%	-0.15%	24.50%	-1.86%
Circle C	2.69%	-0.19%	37.53%	2.05%
Metro	-0.45%	0.54%	4.73%	0.69%
All India	1.18%	-0.01%	15.42%	-1.01%

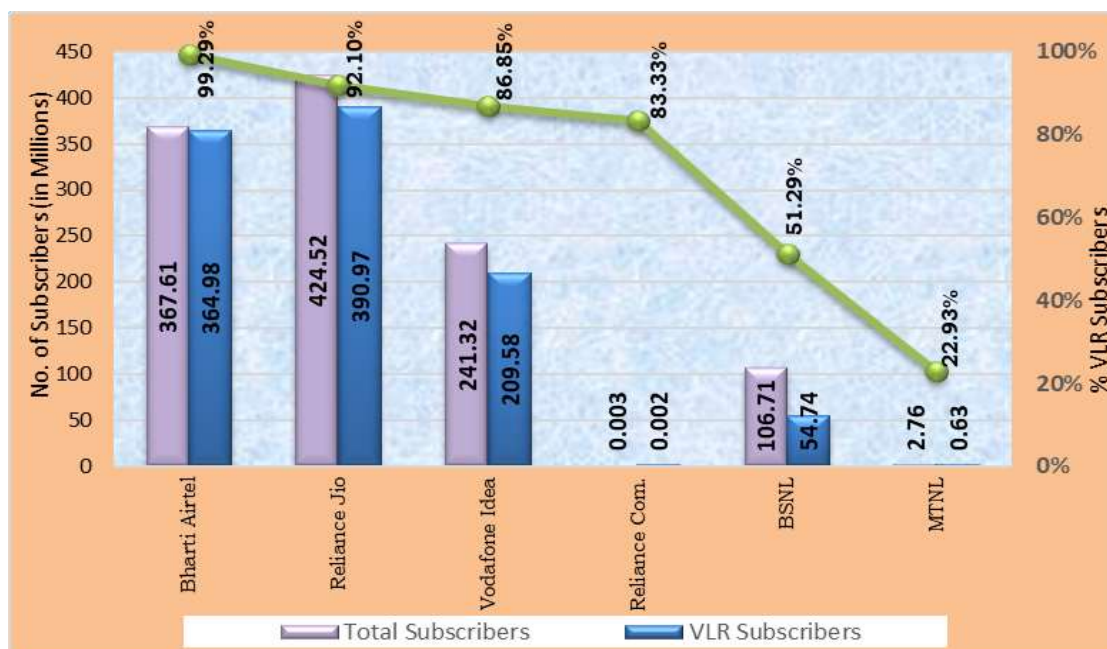
Note: Circle Category-Metro includes Delhi, Mumbai and Kolkata. Data for Chennai has been included in Circle Category-A, as part of TamilNadu.

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

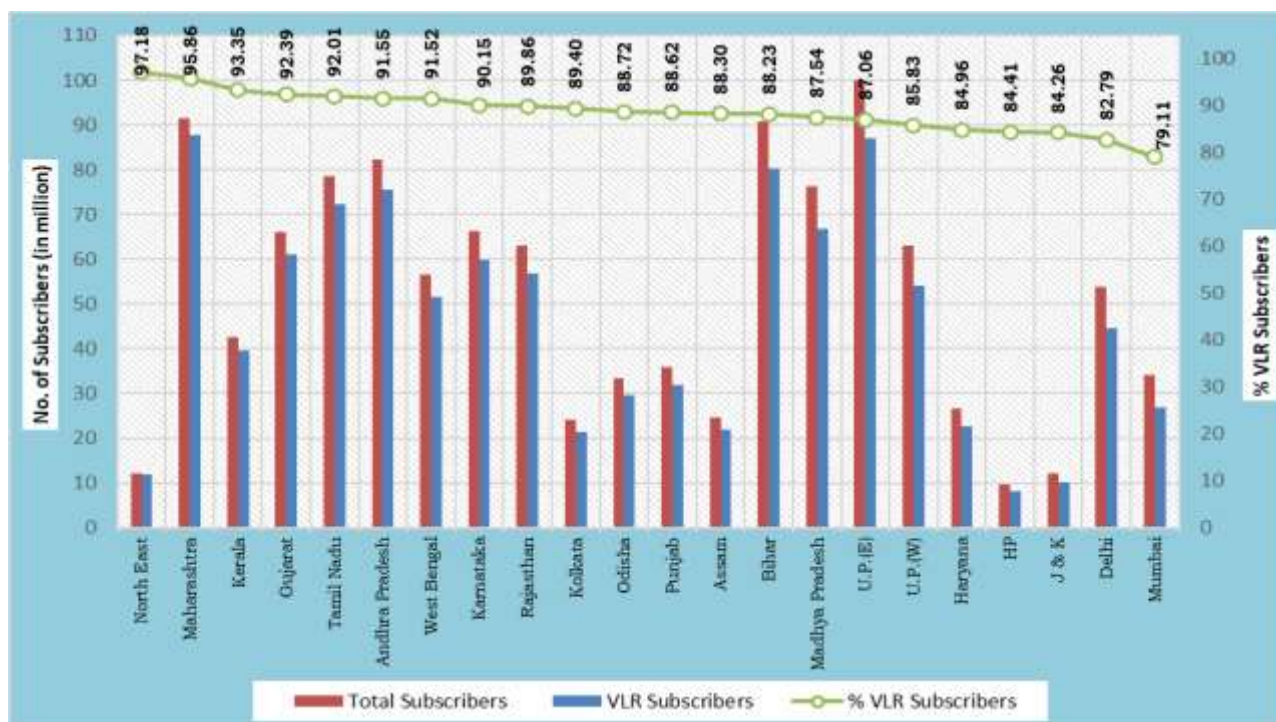
- Out of the total 1,142.93 million wireless subscribers, 1020.91 million wireless subscribers were active on the date of peak VLR in the month of December-22. The proportion of active wireless subscribers was approximately 89.32% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of December-22 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 December, 2022



- Bharti Airtel has the maximum proportion 99.29% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of December-22 and MTNL has the minimum proportion of VLR 22.93% of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of December, 2022



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 December-22, a total of 12.49 million requests were received for MNP. Out of total 12.49 million new requests, 7.24 million requests received from Zone-I and 5.25 million requests received from Zone-II. The cumulative MNP requests increased from 771.94 million at the end of November-22 to 784.43 million at the end of December-22, 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 66.05 million) followed by Maharashtra (about 64.76 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 58.96 million) followed by Karnataka (about 58.21 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)	
	Nov-22	Dec-22		Nov-22	Dec-22
Delhi	36.99	37.60	Andhra Pradesh	55.73	56.38
Gujarat	52.50	53.36	Assam	5.51	5.59
Haryana	25.12	25.44	Bihar	39.98	40.84
Himachal Pradesh	3.43	3.48	Karnataka	57.59	58.21
Jammu & Kashmir	1.77	1.80	Kerala	20.03	20.25
Maharashtra	63.72	64.76	Kolkata	15.20	15.36
Mumbai	29.02	29.28	Madhya Pradesh	57.80	58.96
Punjab	27.47	27.78	North East	1.87	1.89
Rajasthan	54.80	55.56	Odisha	14.33	14.49
U.P.(East)	64.34	66.05	Tamil Nadu	53.15	53.71
U.P.(West)	50.20	51.48	West Bengal	41.40	42.15
Total	409.36	416.60	Total	362.58	367.83
Total (Zone-1 + Zone-2)				771.94	784.43
Net Addition (December, 2022)			12.49 million		

Contact details in case of any clarification: -

Shri Amit Sharma, Advisor (F&EA),
Telecom Regulatory Authority of India,
Mahanagar Doorsanchar Bhawan,
Jawahar Lal Nehru Marg,
New Delhi – 110002,
Ph: 011-23234367, Fax: 011-23235249
E-mail: advfea2@traigov.in

(V. Raghunandan)
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
	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	
Andhra Pradesh	676231	676133			409727	421335	20185	20335	155357	155414			71965	71275	941194	979388	2274659	2323880	49221
Assam	108,550	109,461			15576	16417	0	0	0	0			2670	2640	134656	139677	261452	268195	6743
Bihar	165,899	171,257			63293	66258	3	9	8959	8920			2050	2080	373523	390312	613727	638836	25109
Delhi	0	0	1200701	1097894	1864543	1889035	21890	20651	143425	142415			89550	89445	772955	795691	4093064	4035131	-57933
Gujarat	347835	343420			172625	195551	2656	2649	77431	76557			59146	59236	478580	494177	1138273	1171590	33317
Haryana	194277	201075			92696	96292	0	0	31295	31111			420	420	92122	95765	410810	424663	13853
Himachal Pradesh	87954	87556			3546	3807	0	0	1538	1535			30	30	43967	45443	137035	138371	1336
J & K	89322	88336			71256	73600	0	0	0	0			30	30	169279	173497	329887	335463	5576
Karnataka	882307	885635			1002087	1019470	20939	19717	225345	221897			165972	157652	697201	721102	2993851	3025473	31622
Kerala	1013989	1014448			86680	87613	3676	3663	19000	18986			6860	6830	206734	214788	1336939	1346328	9389
Kolkata	211488	209708			180137	181903	4463	4513	48581	48667			14925	13855	374132	387984	833726	846630	12904
Madhya Pradesh	258892	261323			406415	414607	20	14	12591	12409			35245	35245	501098	519977	1214261	1243575	29314
Maharashtra	635365	624800			345065	354018	9708	9599	211021	210820			27123	25958	207755	215592	1436037	1440787	4750
Mumbai			1318057	1310696	512533	520336	46029	43056	471150	471710			176145	171225	710035	724949	3233949	3241972	8023
North East	75703	75707			0	0	0	0	0	0			510	510	123731	128643	199944	204860	4916
Odisha	173283	172912			246	0	4	4	8408	8409			3960	3960	183493	191798	369394	377083	7689
Punjab	323156	335015			207648	212790	1983	1982	15346	15450	311991	318346	2210	2210	229669	239793	1092003	1125586	33583
Rajasthan	282290	280128			178384	182960	3595	3600	12956	12901			15355	15325	299519	310574	792099	805488	13389
Tamil Nadu	979124	974808			756648	771994	19576	18641	118062	117545			37913	38433	607213	631786	2518536	2553207	34671
U.P.(E)	136164	138197			157371	161936	20	23	8215	8150			16720	16660	370382	385876	688872	710842	21970
U.P.(W)	187788	188774			101011	103285	9	12	4931	4894			3788	3648	407264	423462	704791	724075	19284
West Bengal	261610	265723			11861	12784	80	76	2617	2589			120	120	184861	191500	461149	472792	11643
Total	7091227	7104416	2518758	2408590	6639348	6785991	154836	148544	1576228	1570379	311991	318346	732707	716787	8109363	8401774	27134458	27454827	320369
Net Addition		13189		-110168		146643		-6292		-5849		6355		-15920		292411		320369	
Rural Subscribers	1851575	1892671	34	34	0	0	423	393	29966	29919	20308	20084	0	0	150030	156893	2052336	2099994	47658

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
	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	Nov-22	Dec-22	
Andhra Pradesh	31986320	32163984			12189800	12060526	8294784	8156707					29858919	29991757	82329823	82372974	43151
Assam	10,574,415	10,648,415			2169994	2128563	3297907	3308505					8542805	8621292	24585121	24706775	121654
Bihar	39,646,114	39,726,581			9533826	9195941	5730724	5705175					36310101	36246456	91220765	90874153	-346612
Delhi	16689920	16826426	197	194	16773385	16872359					1690857	1690527	18318430	18487734	53472789	53877240	404451
Gujarat	11286317	11380155	56	47	22802688	22528058	5186621	5139655					26979972	27017956	66255654	66065871	-189783
Haryana	6459040	6489254	12	11	7567239	7563522	4702058	4621826					8026673	8027774	26755022	26702387	-52635
Himachal Pradesh	3408687	3414229	92	92	505671	496145	2526660	2391457					3328111	3286812	9769221	9588735	-180486
J & K	5819809	5795811	0	0	399193	387466	832052	830350					5006524	5045691	12057578	12059318	1740
Karnataka	31070659	31169983	596	593	7748135	7598993	6514593	6492981					20933629	21045839	66267612	66308389	40777
Kerala	7902200	7942467	127	114	14775767	14684250	9980393	9961133					9873408	9911488	42531895	42499452	-32443
Kolkata	5698150	5699449	0	0	5929730	5876479	2158282	2166601					10155835	10258126	23941997	24000655	58658
Madhya Pradesh	15219958	15216078	0	0	17630923	17368867	5504944	5443063					37819183	38223356	76175008	76251364	76356
Maharashtra	20815369	20934562	0	0	25224424	24958114	6390616	6428378					38794891	39162702	91225300	91483756	258456
Mumbai	9427519	9480918	1186	1015	11433688	11367552					1071148	1068028	11951712	12102729	33885253	34020242	134989
North East	5813244	5836711	0	0	990057	935069	1,379,535	1,373,270					3944651	3983794	12127487	12128844	1357
Odisha	11390700	11381082	30	29	1653617	1647883	6,323,737	6,318,998					13864717	13939298	33232801	33287290	54489
Punjab	12176302	12232409	113	106	7467094	7386768	4,987,442	4,920,829					11129275	11273435	35760226	35813547	53321
Rajasthan	21858415	21980740	159	155	10349423	10406709	6,356,440	6,293,169					24375102	24445346	62939539	63126119	186580
Tamil Nadu	27429986	27579698	271	269	17288073	17142543	9,538,723	9,643,192	82,002	98,287			23914917	23981468	78253972	78445457	191485
U.P.(E)	36188001	36435124	0	0	19299489	19023762	9,786,103	9,436,080					35011960	34975500	100285553	99870466	-415087
U.P.(W)	18596553	18556736	8	8	17259455	17073244	5,615,695	5,579,253					21881903	21763217	63353614	62972458	-381156
West Bengal	16624598	16717883	151	151	14804270	14621269	2,401,996	2,405,969					22784677	22724469	56615692	56469741	-145951
Total	366082276	367608695	2998	2784	243795941	241324082	107509305	106616591	82002	98287	2762005	2758555	422807395	424516239	1143041922	1142925233	-116689
Net Addition		1526419		-214		-2471859		-892714		16285		-3450		1708844	0	-116689	
Rural Subscribers	176,534,657	177,390,767	0	0	119796159	118187193	34,409,406	34,068,540	0	0	35339	35332	185669882	186211122	516445443	515892954	-552489

Proportion of VLR on the date of Peak VLR in the month of Dec-22 (%) Annexure-III							
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	99.26	60.96	93.55		-	90.80	91.55
Assam	97.38	41.39	91.40		-	94.33	88.30
Bihar	92.74	42.42	81.69		-	92.16	88.23
Delhi	101.73		64.08	17.95	86.60	88.55	82.79
Gujarat	110.28	45.17	93.43		114.89	92.98	92.39
Haryana	104.44	32.20	88.21		109.09	96.52	84.96
Himachal Pradesh	99.40	40.56	104.29		43.48	97.75	84.41
J & K	88.55	72.03	80.00		-	81.68	84.26
Karnataka	97.99	47.78	83.50		94.77	94.02	90.15
Kerala	105.68	80.34	93.64		131.58	96.12	93.35
Kolkata	96.06	44.46	88.81		-	95.54	89.40
Madhya Pradesh	99.88	46.59	86.33		-	89.01	87.54
Maharashtra	109.24	61.88	89.60		-	98.28	95.86
Mumbai	92.49		70.80	30.81	79.70	80.69	79.11
North East	102.79	54.49	98.27		-	103.43	97.18
Odisha	100.11	51.56	96.44		41.38	95.34	88.72
Punjab	102.59	41.94	90.97		66.98	92.29	88.62
Rajasthan	100.99	41.08	91.07		61.94	91.88	89.86
Tamil Nadu	99.60	66.94	92.19		98.14	93.34	92.01
U.P. (E)	96.69	32.85	87.73		-	91.30	87.06
U.P. (W)	101.99	36.66	85.98		100.00	84.55	85.83
West Bengal	94.87	70.33	88.12		49.01	93.48	91.52
Total	99.29	51.29	86.85	22.93	83.33	92.10	89.32

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.