



सत्यमेव जयते

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 29th July, 2021

(www.traigov.in)

Highlights of Telecom Subscription Data as on 31st May, 2021

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1176.84	21.66	1198.50
Net Addition in May, 2021 (Million)	-6.27	1.30	-4.97
Monthly Growth Rate	-0.53%	6.40%	-0.41%
Urban Telephone Subscribers (Million)	641.48	19.70	661.18
Net Addition in May, 2021 (Million)	-4.14	0.98	-3.15
Monthly Growth Rate	-0.64%	5.25%	-0.47%
Rural Telephone Subscribers (Million)	535.36	1.96	537.32
Net Addition in May, 2021 (Million)	-2.14	0.32	-1.82
Monthly Growth Rate	-0.40%	19.51%	-0.34%
Overall Tele-density* (%)	86.25%	1.59%	87.84%
Urban Tele-density*(%)	135.86%	4.17%	140.04%
Rural Tele-density*(%)	60.00%	0.22%	60.22%
Share of Urban Subscribers	54.51%	90.93%	55.17%
Share of Rural Subscribers	45.49%	9.07%	44.83%
Broadband Subscribers (Million)	757.53	22.74	780.27

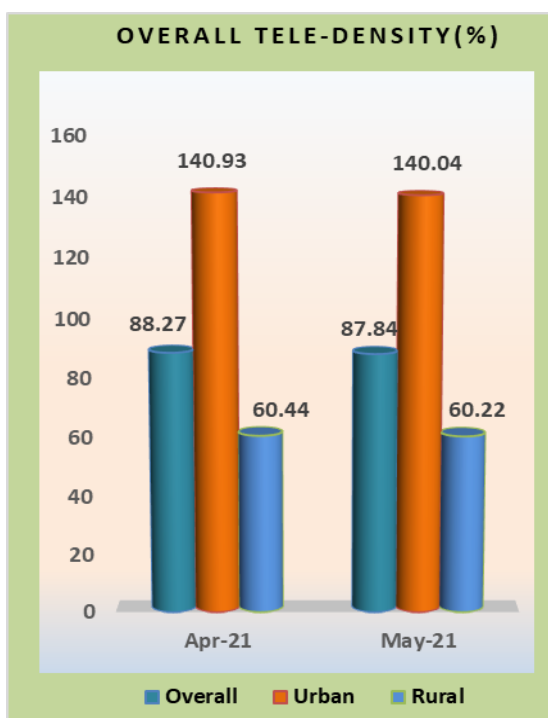
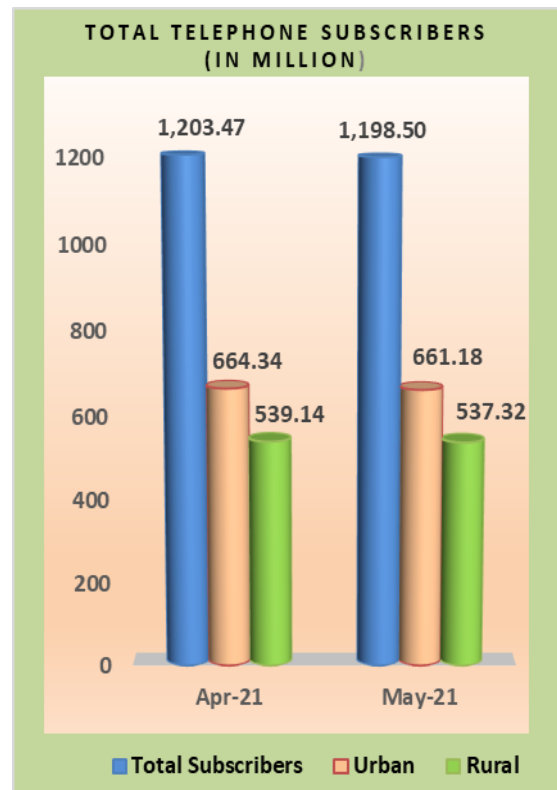
- ❖ In the month of May, 2021, 7.28 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 586.33 million at the end of April-21 to 593.61 million at the end of May-21, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in May, 2021 was 986.11 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.

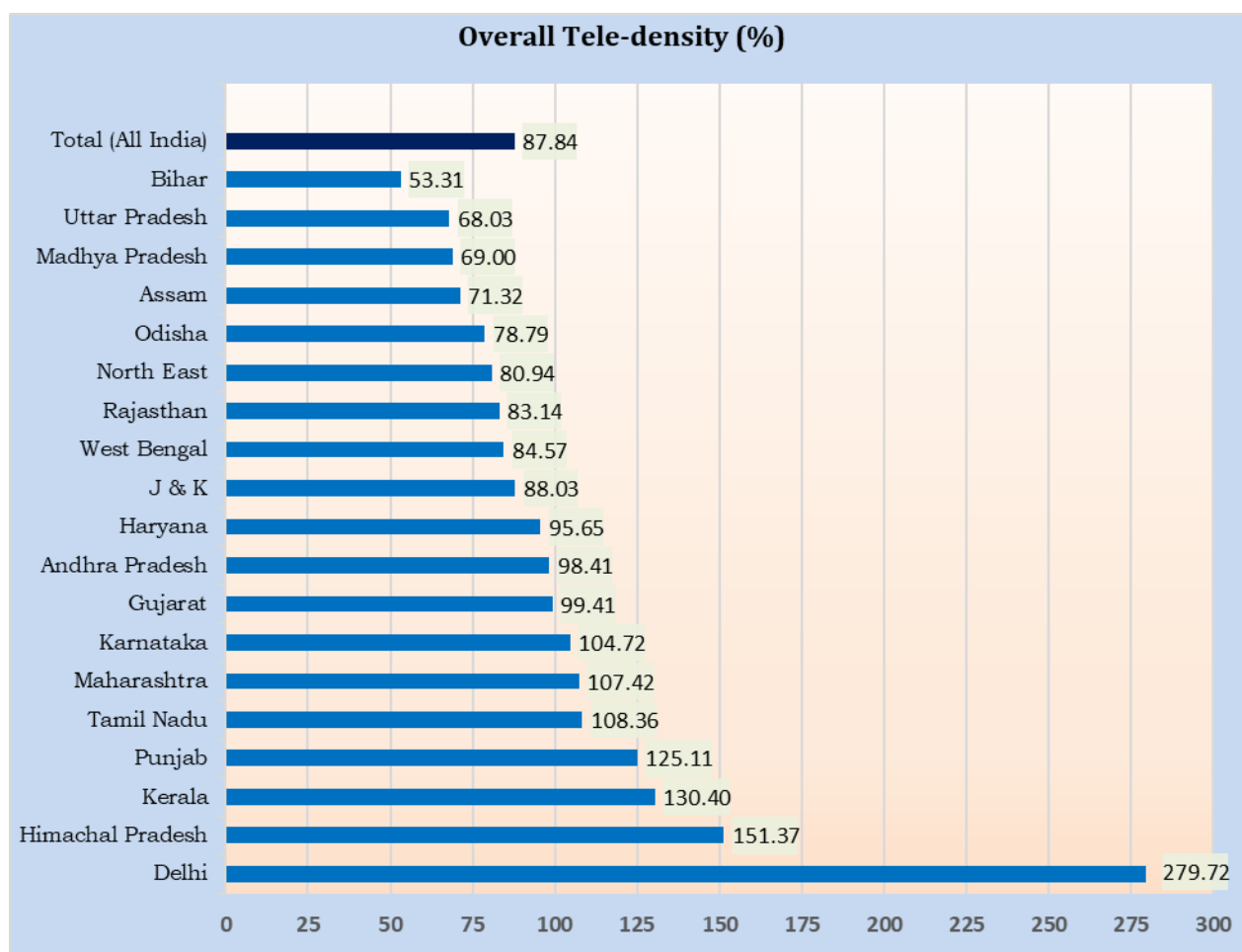
I. Total Telephone Subscribers

- The number of telephone subscribers in India decreased from 1,203.47 million at the end of April-21 to 1,198.50 million at the end of May-21, thereby showing a monthly decline rate of 0.41%. Urban telephone subscription decreased from 664.34 million at the end of April-21 to 661.18 million at the end of May-21 and the rural subscription also decreased from 539.14 million to 537.32 million during the same period. The monthly decline rates of urban and rural telephone subscription were 0.47% and 0.34% respectively during the month of May-21.



- The overall Tele-density in India decreased from 88.27% at the end of April-21 to 87.84% at the end of May-21. The Urban Tele-density decreased from 140.93% at the end of April-21 to 140.04% at the end of May-21 and Rural Tele-density also decreased from 60.44% to 60.22% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of May-21 was 55.17% and 44.83% respectively.

Overall Tele-density (LSA Wise) – As on 31st May, 2021



- As may be seen in the above chart, eight states have less tele-density than the all India average tele-density at the end of May-21. Delhi service area has maximum tele-density of 279.72% and the Bihar service area has minimum tele-density of 53.31% at the end of May-21.

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 Chhatisgarh, Bihar includes Jharkhand, Maharashtra includes Goa, Uttar Pradesh includes Uttarakhand, West Bengal includes Sikkim and North-East includes Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland & Tripura States.

II. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of May 2021

Circle Category	Net additions in the month of May, 2021		Telephone Subscriber base as on 31 st May, 2021	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	574,179	-2,781,488	8,280,482	401,795,749
Circle B	529,485	-1,980,265	4,901,652	476,660,302
Circle C	201,187	-749,743	1,182,149	180,861,954
Metro	-1,798	-762,394	7,300,002	117,521,354
All India	1,303,053	-6,273,890	21,664,285	1,176,839,359

Circle Category-wise monthly and yearly Growth Rates in Telephone Subscribers in the month of May 2021

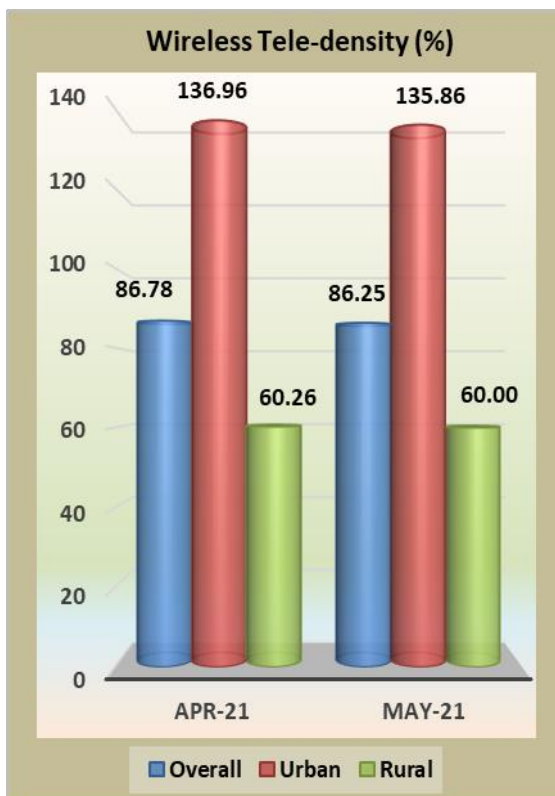
Circle Category	Monthly growth rate (%) (April-21 to May-21)		Yearly growth rate (%) (May-20 to May-21)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	7.45%	-0.69%	8.41%	2.59%
Circle B	12.11%	-0.41%	10.92%	2.89%
Circle C	20.51%	-0.41%	43.03%	3.62%
Metro	-0.02%	-0.64%	6.06%	2.69%
All India	6.40%	-0.53%	9.60%	2.88%

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, Circle of all categories showed decline rate in their subscribers during the month of May, 2021. On yearly basis Circles of all categories have registered growth rate in their subscriber base.
- In Wireline segment, on monthly basis except Circle 'Metro', circle of all categories showed growth rate in their number of wireline subscribers during the month of May, 2021. On yearly basis, Circles of all categories have registered growth rate in their subscriber base.

III. Wireless subscriber

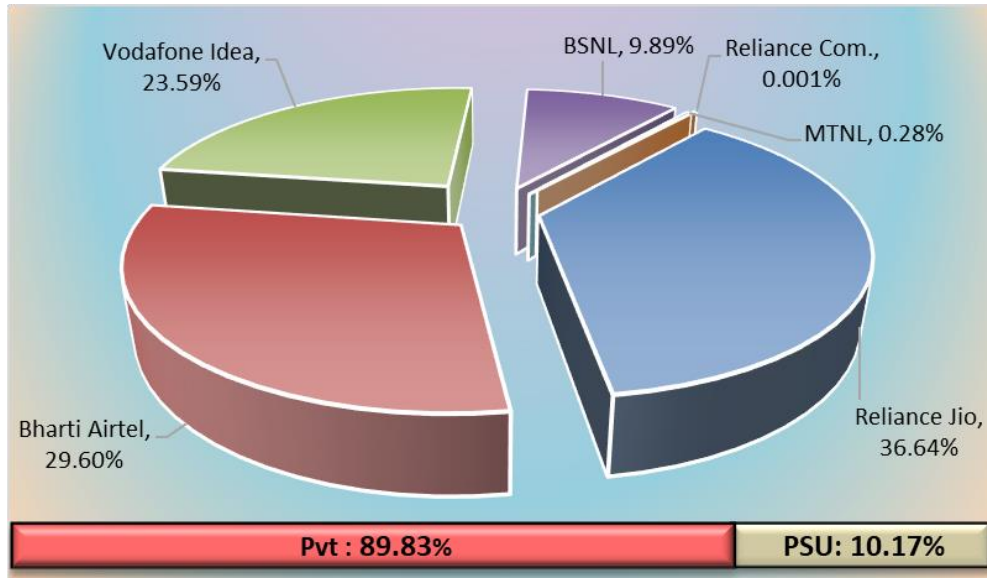
• Total wireless subscribers decreased from 1,183.11 million at the end of April-21 to 1,176.84 million at the end of May-21, thereby registering a monthly decline rate of 0.53%. Wireless subscription in urban areas decreased from 645.62 million at the end of April-21 to 641.48 million at the end of May-21 and wireless subscription in rural areas also decreased from 537.49 million to 535.36 million during the same period. Monthly decline rates of urban and rural wireless subscription were 0.64% and 0.40% respectively.



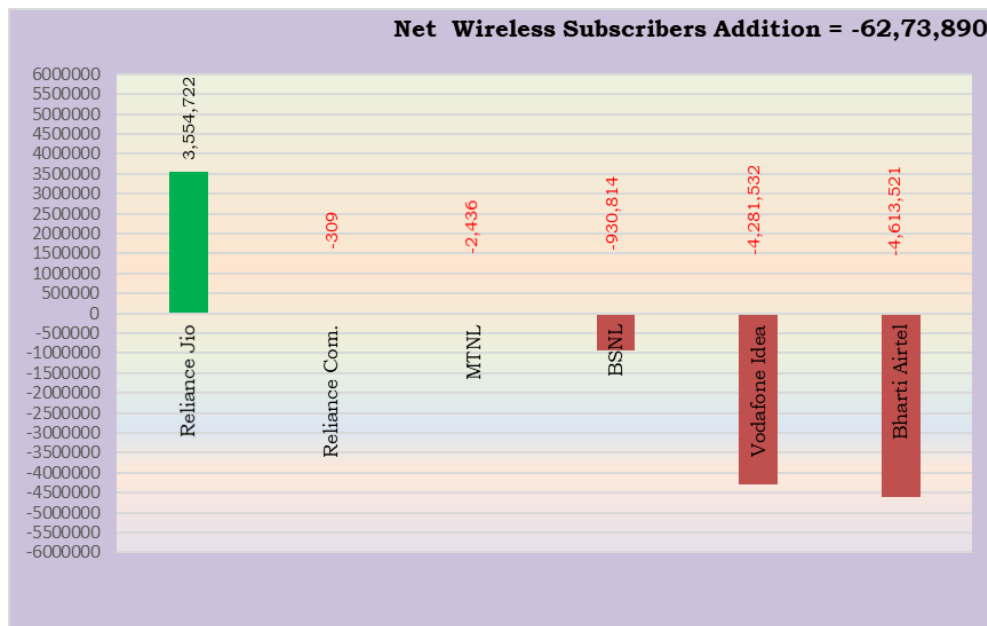
• The Wireless Tele-density in India decreased from 86.78% at the end of April-21 to 86.25% at the end of May-21. The Urban Wireless Tele-density decreased from 136.96% at the end of April-21 to 135.86% at the end of May-21 and Rural Tele-density also decreased from 60.26% to 60% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.51% and 45.49% respectively at the end of May-21. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 31st May, 2021, the private access service providers held 89.83% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.17%.
- 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, 2021



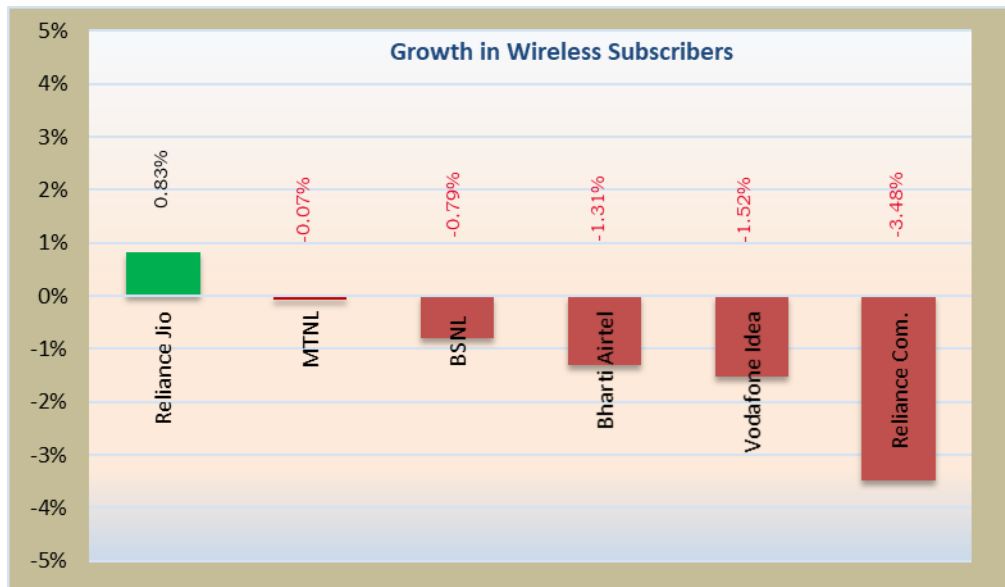
Net Additions/decline in Wireless Subscribers of Access Service Providers in the month of May 2021



- Note:**
- M/s Bharti Airtel Ltd has reported the wireless subscribers including the subscribers of M/s Tata Teleservices Ltd.
 - Virtual Network Operator (VNO) of BSNL has started reporting of its subscribers from the month of October, 2018 and the same has been included in the subscriber base of BSNL.

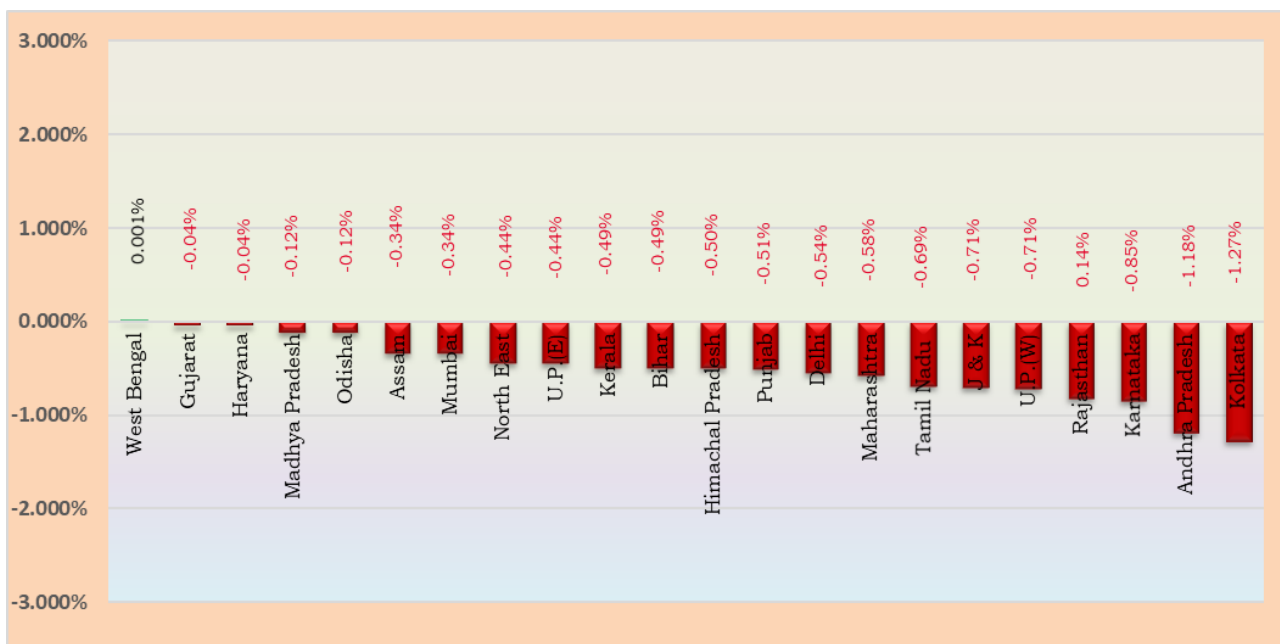
IV. Growth in Wireless Subscribers

Access Service Provider-wise Monthly Growth Rate of Wireless Subscribers in the month of May, 2021



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

Service Area-wise Monthly Growth Rate of Wireless Subscribers in the month of May, 2021

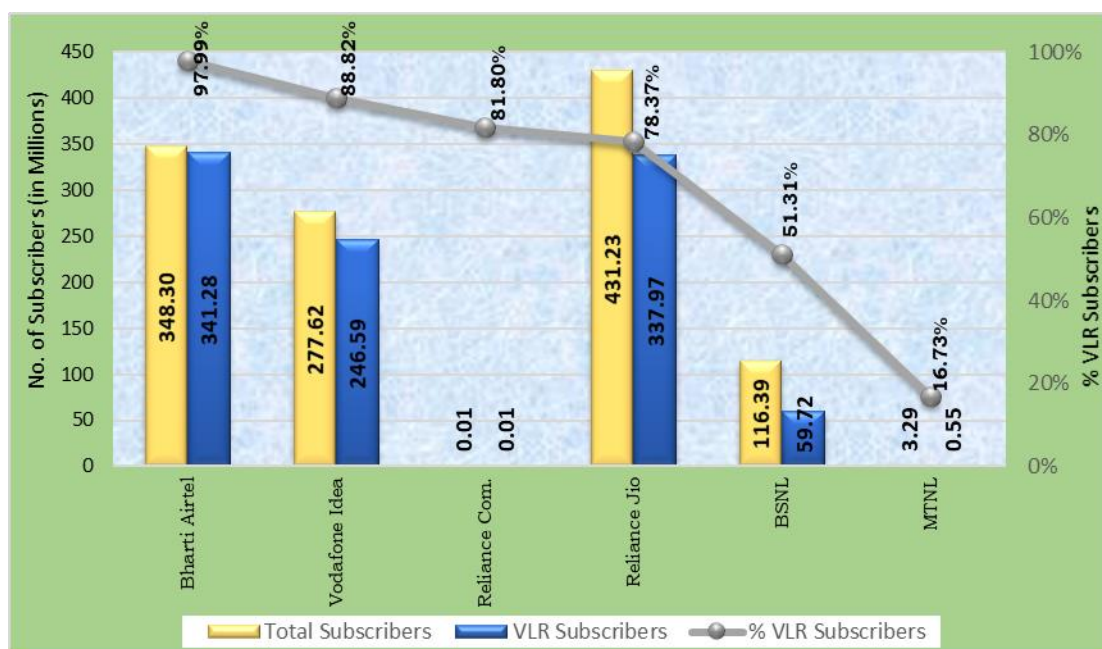


- Except West Bengal, all service areas showed decline in their wireless subscribers during the month of May-21.

V. Active Wireless Subscribers (VLR Data)

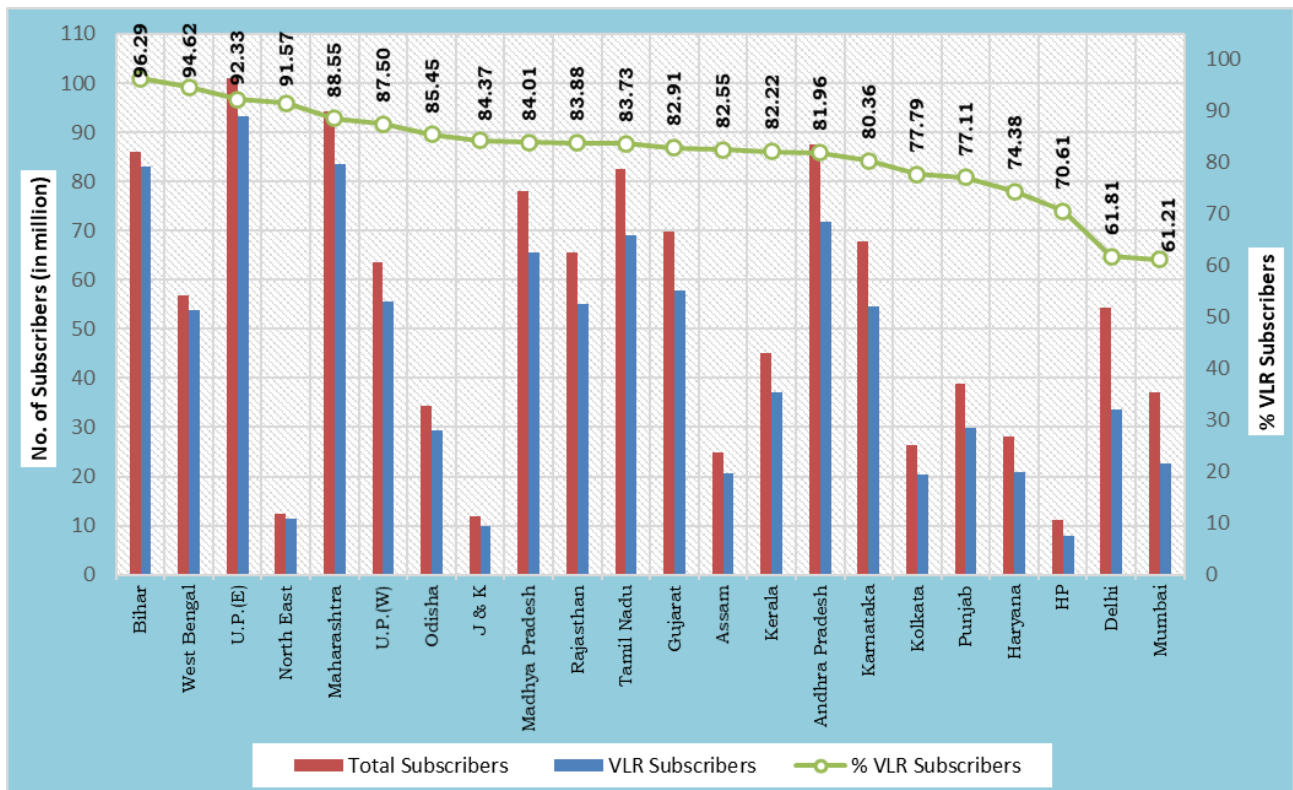
- Out of the total wireless subscribers (1,176.84 million), 986.11 million wireless subscribers were active on the date of peak VLR in the month of May-21. The proportion of active wireless subscribers was approximately 83.79% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of May-21 is available at **Annexure-II** and the methodology used for reporting VLR subscribers is available at **Annexure-IV**.

Access Service Provider-wise Percentage of VLR Subscribers in the month of May, 2021



- Bharti Airtel has the maximum proportion (97.99%) of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of May-21 and MTNL has the minimum proportion of VLR (16.73%) of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of May, 2021



VI. Mobile Number Portability (MNP)

- Intra-service area Mobile number portability (MNP) was implemented first in Haryana service area w.e.f. 25.11.2010 and in the rest of the country w.e.f. 20.01.2011. Inter-Service Area MNP has been implemented in the country w.e.f. 03.07.2015. Now, the wireless telephone subscribers can retain their mobile numbers when they relocate from one service area to another.
- During the month of May-21, a total of 7.28 million requests were received for MNP. Out of total 7.28 million new requests, 4.27 million requests received from Zone-I and 3.01 million requests received from Zone-II. The cumulative MNP requests increased from 586.33 million at the end of April-21 to 593.61 million at the end of May-21, since the implementation of MNP.
- In MNP Zone-I (Northern and Western India), the highest number of requests till date have been received in Maharashtra (about 48.57 million) followed by Rajasthan (about 43.37 million) service area.

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 48.66 million) followed by Andhra Pradesh (about 46.69 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-21	May-21		Apr-21	May-21
Delhi	29.06	29.25	Andhra Pradesh	46.41	46.69
Gujarat	39.24	39.69	Assam	4.20	4.23
Haryana	20.13	20.27	Bihar	27.12	27.72
Himachal Pradesh	2.78	2.79	Karnataka	48.47	48.66
Jammu & Kashmir	1.33	1.34	Kerala	15.62	15.72
Maharashtra	47.87	48.57	Kolkata	12.72	12.81
Mumbai	25.64	25.75	Madhya Pradesh	41.53	42.25
Punjab	22.37	22.61	North East	1.58	1.59
Rajasthan	43.00	43.37	Odisha	11.54	11.66
U.P.(East)	39.17	40.21	Tamil Nadu	45.42	45.62
U.P.(West)	31.32	32.34	West Bengal	29.81	30.47
Total	301.92	306.19	Total	284.42	287.42
Total (Zone-1 + Zone-2)				586.33	593.61
Net Addition (May, 2021)			7.28 million		

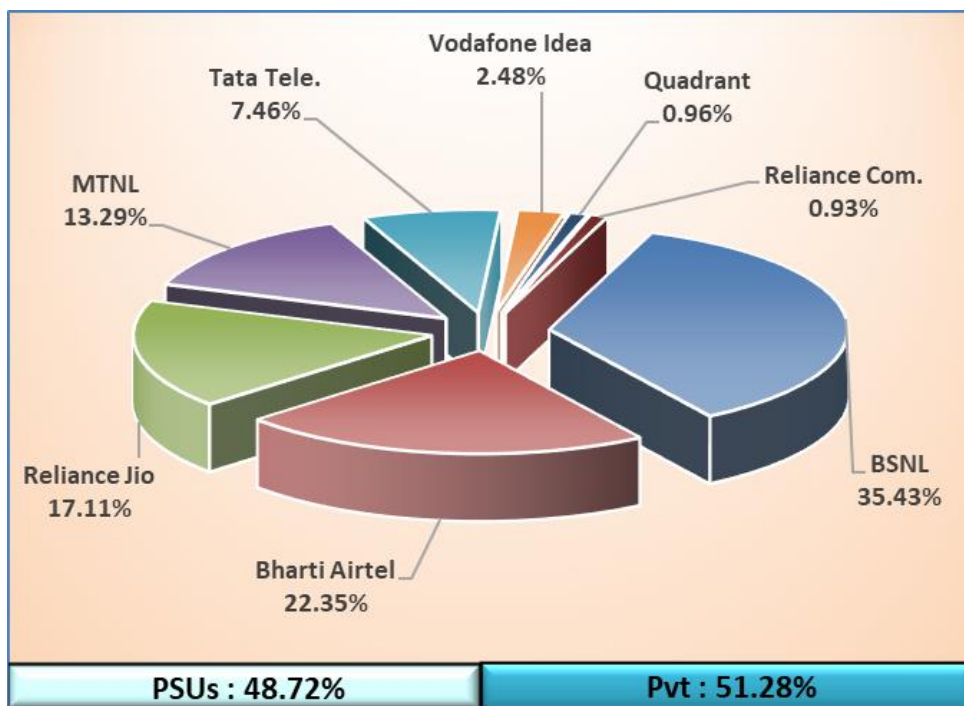
VII. Wireline Subscribers

- Wireline subscribers increased from 20.36 million at the end of April-21 to 21.66 million at the end of May-21. Net increase in the wireline subscriber base was 1.30 million with a monthly growth rate of 6.40%. The share of urban and rural subscribers in total wireline subscribers were 90.93% and 9.07% respectively at the end of May, 2021.
- The Overall Wireline Tele-density in India increased from 1.49% at the end of April-21 to 1.59% at the end of May-21. Urban and Rural Wireline Tele-density were 4.17% and 0.22% respectively during the same period.

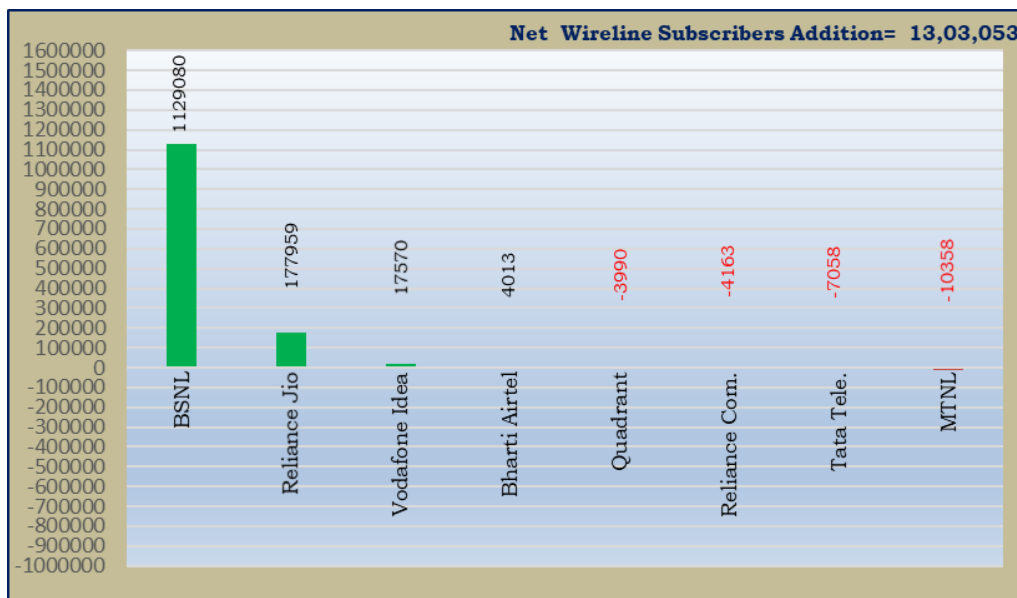
- BSNL and MTNL, the two PSU access service providers, held 48.72% of the wireline market share as on 31st May, 2021.

Detailed statistics of wireline subscriber base are available at **Annexure-III**.

Access Service Provider-wise Market Share of Wireline Subscribers as on 31st May, 2021



Access Service Provider-wise Net Additions/Decline in Wireline Subscribers during the month of May, 2021



VIII. Broadband (\geq 512 Kbps download)

- As per the reports received from 438 operators in the month of May, 2021, the number of broadband subscribers decreased from 782.86 million at the end of April-21 to 780.27 million at the end of May-21 with a monthly decline rate of 0.33%. 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, 2021

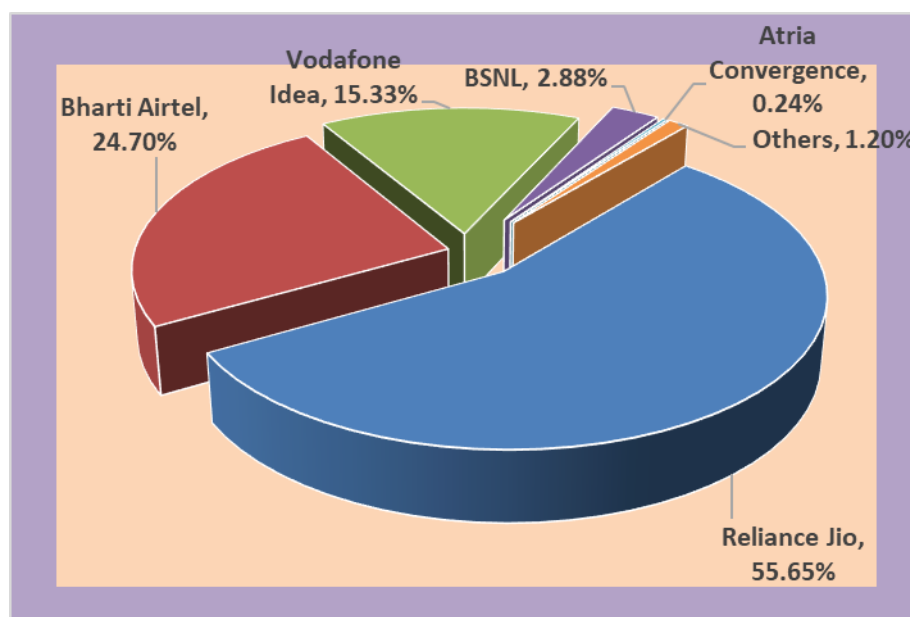
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of May-21
	As on 30 th April, 2021	As on 31 st May, 2021	
Wired subscribers	22.42	22.74	1.43%
Mobile devices users (Phones and dongles)	759.78	756.88	-0.38%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.67	0.65	-2.45%
Total	782.86	780.27	-0.33%

- Top five service providers constituted 98.80% market share of the total broadband subscribers at the end of May-21. These service providers were Reliance Jio Infocomm Ltd (434.23 million), Bharti Airtel (192.73 million), Vodafone Idea (119.64 million), BSNL (22.47 million) and Atria Convergence (1.87 million).

Note: Some wireless service providers exclude incidental data users from their subscriber base, based on minimum usage decided by them.

- The graphical representation of the service provider-wise market share of broadband services is given below: -

**Service Provider-wise Market Share of Broadband
(wired + wireless) Services as on 31st May 2021**



- As on 31st May, 2021, the top five Wired Broadband Service providers were BSNL (6.03 million), Bharti Airtel (3.24 million), Reliance Jio Infocomm Ltd (3 million), Atria Convergence Technologies (1.87 million) and Hathway Cable & Datacom (1.07 million).

As on 31st May, 2021, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd (431.23 million), Bharti Airtel (189.49 million), Vodafone Idea (119.63 million), BSNL (16.44 million) and Tikona Infinet Ltd. (0.32 million).

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Secretary, TRAI

Wireless Subscriber Base															Annexure-I		
Circle	Bharti Airtel (including Tata)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	
Andhra Pradesh	31318378	30910121	1013	938	15587525	15315444	9608341	9192651					32100593	32146712	88615850	87565866	-1049984
Assam	9379532	9255195			3165463	3129613	3048464	3057755					9384721	9450522	24978180	24893085	-85095
Bihar	36139628	35665088	154	153	12007372	11662759	5746822	5736135					32664356	33067494	86558332	86131629	-426703
Delhi	16341350	16130132	443	440	16132680	15978312					2160448	2160035	19911558	19981390	54546479	54250309	-296170
Gujarat	12169824	12011680	193	189	25172519	25022251	5896003	5891951					26511698	26797458	69750237	69723529	-26708
Haryana	5578327	5506028	72	71	8241187	8226254	5013897	5010614					9193650	9272994	28027133	28015961	-11172
Himachal Pradesh	3300897	3258052	96	96	663238	646962	3012651	2995317					4180766	4201402	11157648	11101829	-55819
J & K	5531037	5459282	0	0	498872	484944	1272918	1272874					4646477	4647452	11949304	11864552	-84752
Karnataka	30372948	29978857	1757	1744	9094320	8849389	7152543	7156832					21797029	21847733	68418597	67834555	-584042
Kerala	6813547	6724552	448	444	17218904	17021822	10888112	10896006					10339374	10395303	45260385	45038127	-222258
Kolkata	5809009	5733488	27	27	6974869	6621148	2446659	2466608					11368418	11438926	26598982	26260197	-338785
Madhya Pradesh	15462632	15261811	344	337	21481650	21110885	6210167	6200881					35052363	35538446	78207156	78112360	-94796
Maharashtra	19351657	19097058	380	332	31824364	31283854	6743455	6743800					36824238	37069773	94744094	94194817	-549277
Mumbai	9673482	9548361	861	814	11165679	11106524					1132808	1130785	15165457	15224364	37138287	37010848	-127439
North East	5434984	5363803	0	0	1376369	1348960	1352812	1369472					4308701	4335591	12472866	12417826	-55040
Odisha	11194259	11047738	191	191	2314933	2253847	6391505	6409243					14594479	14742014	34495367	34453033	-42334
Punjab	11577153	11426774	339	338	8720556	8609759	5656446	5505616					13029017	13240912	38983511	38783399	-200112
Rajasthan	21803772	21519647	298	295	12160871	11973038	6300409	6170809					25830189	25886616	66095539	65550405	-545134
Tamil Nadu	27373468	27017998	697	673	19270695	19014909	10728154	10659589	101058	51054			25574387	25732759	83048459	82476982	-571477
U.P.(E)	35688683	35216994	389	319	22362088	21949776	11362370	11260414					31938287	32473715	101351817	100901218	-450599
U.P.(W)	17239660	17009243	256	250	19499892	19183593	5842598	5796235					21380480	21516605	63962886	63505926	-456960
West Bengal	15356786	15155590	913	911	16968931	16827402	2550322	2551036					21875188	22217967	56752140	56752906	766
Total	352911013	348297492	8871	8562	281902977	277621445	117224648	116343838	101058	51054	3293256	3290820	427671426	431226148	1183113249	1176839359	-6273890
Net Addition		-4613521		-309		-4281532		-880810		-50004		-2436		3554722	0	-6273890	
Rural Subscribers	173615546	172497615	0	0	144754607	142210565	37465532	37094370	0	0	45153	45145	181613634	183509862	537494472	535357557	-2136915

Note: 1. The subscribers of M/s Bharti Airtel includes subscribers of M/s Tata Teleservices Ltd.

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

Proportion of VLR on the date of Peak VLR in the month of May-21 (%)							Annexure-II
Circle	Bharti	BSNL	Vodafone Idea	M TNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	96.82	58.93	89.67		117.16	70.59	81.96
Assam	101.11	45.97	88.89		-	74.11	82.55
Bihar	105.08	48.10	92.84		109.32	96.39	96.29
Delhi	76.21		63.83	8.82	79.89	54.28	61.81
Gujarat	90.44	49.00	88.08		79.89	82.16	82.91
Haryana	103.24	34.56	88.64		78.87	66.11	74.38
Himachal Pradesh	102.86	35.78	98.75		32.29	66.09	70.61
J & K	97.16	55.26	84.52		-	77.30	84.37
Karnataka	91.35	48.89	84.02		80.68	74.10	80.36
Kerala	100.65	66.35	94.13		51.13	67.43	82.22
Kolkata	88.81	41.33	86.47		-	75.10	77.79
Madhya Pradesh	95.59	43.31	85.26		99.70	85.40	84.01
Maharashtra	98.39	57.08	91.52		129.82	86.69	88.55
Mumbai	69.51		69.33	31.85	108.23	52.26	61.21
North East	104.11	63.59	88.37		-	85.90	91.57
Orissa	101.46	59.28	92.15		24.61	83.80	85.45
Punjab	98.34	42.17	88.99		38.76	65.57	77.11
Rajasthan	98.97	46.40	91.83		49.83	76.58	83.88
Tamil Nadu	94.03	66.76	92.13		166.57	73.78	83.73
U.P. (E)	110.23	37.02	96.35		55.17	89.38	92.33
U.P. (W)	109.83	41.78	92.89		11.60	77.35	87.50
West Bengal	102.48	73.01	99.50		20.42	88.05	94.62
Total	97.99	51.31	88.82	16.73	81.80	78.37	83.79

Note: Peak VLR figures in some circles of some of the service providers are more than their HLR figures due to a large number of inroamers.

Wireline Subscriber Base																	Annexure-III		
Service Area	BSNL		MTNL		Bharti Airtel		Reliance Com.		Tata Tele.		Quadrant		Vodafone Idea		Reliance Jio		Total		Net Addition
	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	Apr-21	May-21	
Andhra Pradesh	555408	667510			269110	280160	21989	21650	158767	157929			56180	60480	381051	405915	1442505	1593644	151139
Assam	81482	99667											3420	3420	51096	55937	135998	159024	23026
Bihar	129656	169197					19	19	7486	7519			1740	1740	111406	124307	250307	302782	52475
Delhi			1316203	1314010	1566713	1553509	33359	31862	137638	137656			86309	89304	436986	439849	3577208	3566190	-11018
Gujarat	445841	463174			124499	125291	4188	4245	79567	79482			39675	40337	244461	248807	938231	961336	23105
Haryana	123560	162476			31932	31850	2	2	35126	35011			360	360	39178	42631	230158	272330	42172
Himachal Pradesh	73834	87497			0	0	3	0	1673	1608			30	30	13224	14989	88764	104124	15360
J & K	83895	114091			16872	17391	0	0	0	0			0	0	85964	90849	186731	222331	35600
Karnataka	719529	828621			796810	796527	25557	25552	249066	247906			88462	91642	272502	286142	2151926	2276390	124464
Kerala	1016991	1196304			67596	66923	5466	5431	19011	18856			8420	8570	75358	80093	1192842	1376177	183335
Kolkata	311204	314803			155743	150655	7651	7553	46330	46278			14990	14990	140990	151839	676908	686118	9210
Madhya Pradesh	246907	302625			272907	272082	5	5	11341	11236			2360	2505	188901	199128	722421	787581	65160
Maharashtra	739969	819997			165009	170004	12289	12084	224060	223049			27405	27583	103974	107877	1272706	1360594	87888
Mumbai			1573218	1565053	407584	409095	63108	62143	487181	483987			108195	109915	408398	417501	3047684	3047694	10
North East	66204	86515											330	330	38625	42259	105159	129104	23945
Odisha	145268	191609					6	6	8131	8122			6540	6570	54058	58477	214003	264784	50781
Punjab	220156	258917			156676	159399	1988	1747	12509	12714	212298	208308	2175	2175	100274	105982	706076	749242	43166
Rajasthan	240175	296917			86055	84644	4411	4255	11768	11732			9010	13010	127835	135440	479254	545998	66744
Tamil Nadu	847262	1024230			580509	580347	25768	25092	118008	117493			35865	35955	293523	305401	1900935	2088518	187583
U.P.(E)	157182	184513			84389	86020	23	23	7818	7882			20460	20580	149995	159996	419867	459014	39147
U.P.(W)	142021	182456			55191	57711	8	8	4342	4312			6760	6760	148163	162058	356485	413305	56820
West Bengal	200059	224564					13	13	2321	2313			120	120	62551	70995	265064	298005	32941
Total	6546603	7675683	2889421	2879063	4837595	4841608	205853	201690	1622143	1615085	212298	208308	518806	536376	3528513	3706472	20361232	21664285	1303053
Net Addition		1129080		-10358		4013		-4163		-7058		-3990		17570		177959		1303053	
Rural Subscribers	1548316	1869204	0	0	0	0	210	210	39778	39600	27525	27076	0	0	28101	28544	1643930	1964634	320704

Note: - BSNL-FTTH Voice-connections have also been incorporated from the month of May 2021

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.