

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 19th July, 2022

(www.traigov.in)

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

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1145.50	25.23	1170.73
Net Addition in May, 2022 (Million)	2.85	0.07	2.92
Monthly Growth Rate	0.25%	0.28%	0.25%
Urban Telephone Subscribers (Million)	624.55	23.26	647.81
Net Addition in May, 2022 (Million)	0.77	0.05	0.82
Monthly Growth Rate	0.12%	0.21%	0.13%
Rural Telephone Subscribers (Million)	520.96	1.97	522.92
Net Addition in May, 2022 (Million)	2.08	0.02	2.10
Monthly Growth Rate	0.40%	1.10%	0.40%
Overall Tele-density*(%)	83.20%	1.83%	85.03%
Urban Tele-density*(%)	129.83%	4.84%	134.66%
Rural Tele-density*(%)	58.15%	0.22%	58.37%
Share of Urban Subscribers	54.52%	92.21%	55.33%
Share of Rural Subscribers	45.48%	7.79%	44.67%
Broadband Subscribers (Million)	766.58	28.10	794.68

- ❖ In the month of May, 2022, 7.97 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 697.57 million at the end of April-22 to 705.54 million at the end of May-22, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in May, 2022 was 1017.68 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.

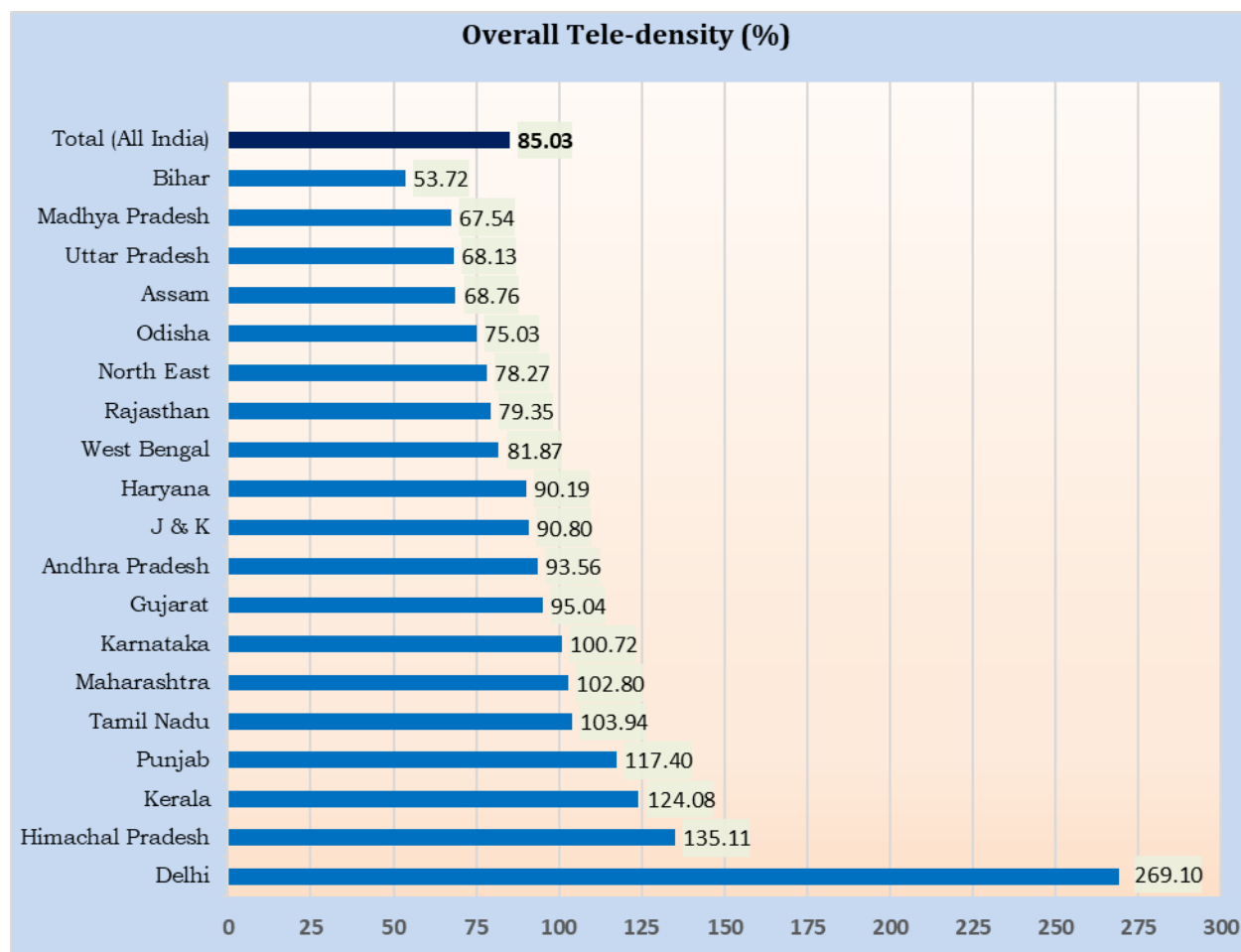
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,167.82 million at the end of April-22 to 1,170.73 million at the end of May-22, thereby showing a monthly growth rate of 0.25%. Urban telephone subscription increased from 646.99 million at the end of April-22 to 647.81 million at the end of May-22 and the rural subscription also increased from 520.82 million to 522.92 million during the same period. The monthly growth rates of urban and rural telephone subscription were 0.13% and 0.40% respectively during the month of May-22.



- The overall Tele-density in India increased 84.88% at the end of April-22 to 85.03% at the end of May-22. The Urban Tele-density decreased from 134.70% at the end of April-22 to 134.66% at the end of May-22 however Rural Tele-density increased from 58.16% to 58.37% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of May-22 was 55.33% and 44.67% respectively.

Overall Tele-density (LSA Wise) – As on 31st May, 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 May-22. Delhi service area has maximum tele-density of 269.10% and the Bihar service area has minimum tele-density of 53.72% at the end of May-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.

II. Category-wise Growth in subscriber base

Circle Category-wise Net Additions in Telephone Subscribers in the month of May 2022

Circle Category	Net additions in the month of May, 2022		Telephone Subscriber base as on 31 st May, 2022	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	72,380	9,10,284	96,59,331	38,64,63,804
Circle B	82,277	7,40,222	60,97,024	46,88,99,856
Circle C	29,088	11,76,217	16,23,043	17,91,36,457
Metro	-1,13,409	19,150	78,51,655	11,10,02,196
All India	70,336	28,45,873	2,52,31,053	1,14,55,02,313

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

Circle Category	Monthly growth rate (%) (April-22 to May-22)		Yearly growth rate (%) (May-21 to May-22)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	0.75%	0.24%	16.65%	-3.71%
Circle B	1.37%	0.16%	24.39%	-1.73%
Circle C	1.82%	0.66%	37.30%	-1.09%
Metro	-1.42%	0.02%	7.56%	-5.29%
All India	0.28%	0.25%	16.46%	-2.66%

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, all circles have registered growth rate in their subscriber base. On yearly basis, all circles have registered decline rate in their subscriber base.
- In Wireline segment, on monthly basis except Circle 'Metro', all circles have registered growth rate in their subscriber base. On yearly basis, all circles have registered decline rate in their subscriber base.

III. Wireless subscriber

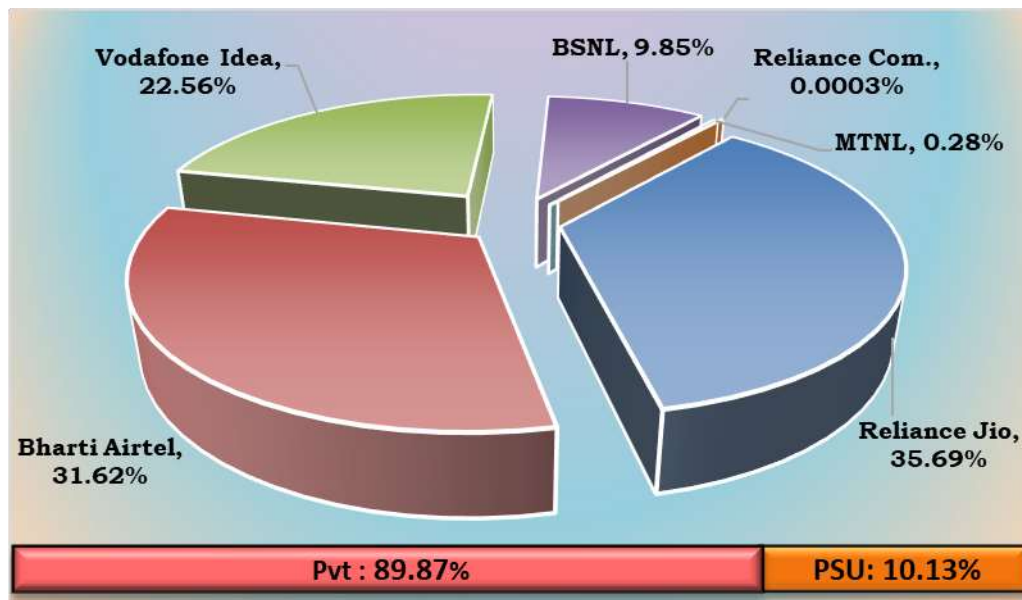
• Total wireless subscribers increased from 1,142.66 million at the end of April-22, to 1,145.50 million at the end of May-22, thereby registering a monthly growth rate of 0.25%. Wireless subscription in urban areas increased from 623.78 million at the end of April-22 to 624.55 million at the end of May-22 and wireless subscription in rural areas also increased from 518.88 million to 520.96 million during the same period. Monthly growth rates of urban and rural wireless subscription were 0.12% and 0.40% respectively.



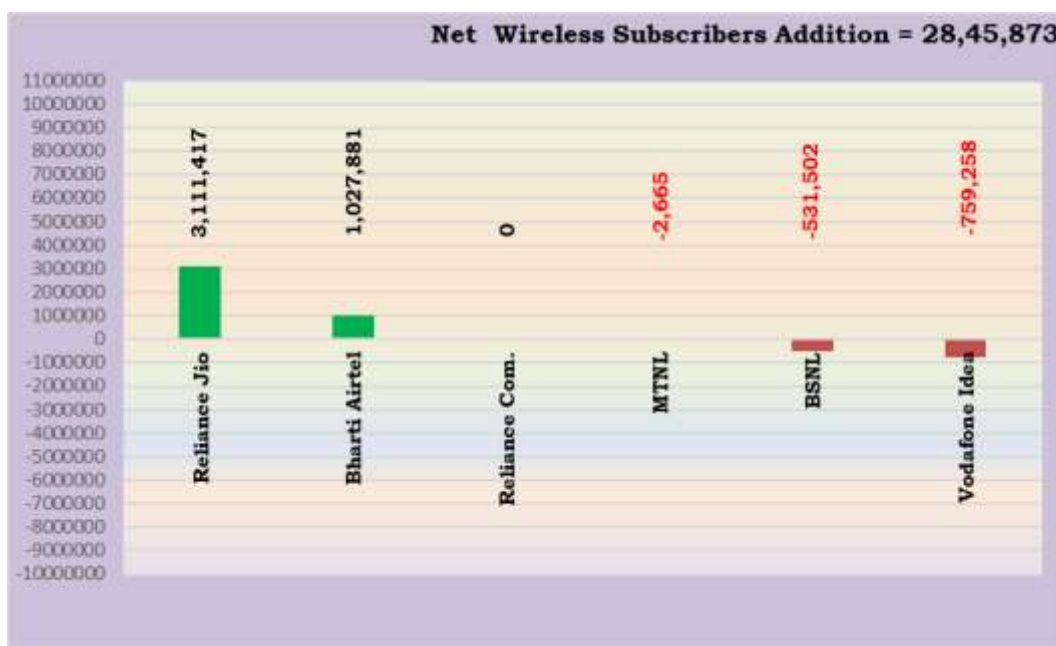
• The Wireless Tele-density in India increased from 83.05% at the end of April-22 to 83.20% at the end of May-22. The Urban Wireless Tele-density decreased from 129.87% at the end of April-22 to 129.83% at the end of May-22, however Rural Tele-density increased from 57.94% to 58.15% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.52% and 45.48% respectively at the end of May-22. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 31st May, 2022, the private access service providers held 89.87% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.13%.
- 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, 2022



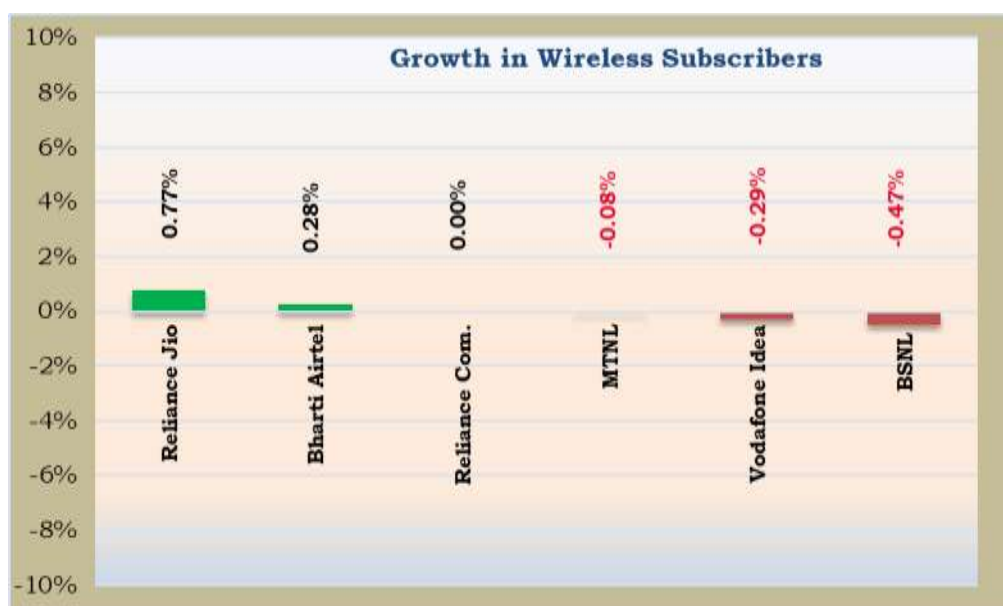
Net Addition in Wireless Subscribers of Access Service Providers in the month of May, 2022



- Note:**
1. M/s Bharti Airtel Ltd has reported the wireless subscribers including the subscribers of M/s Tata Teleservices Ltd.
 2. 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, 2022



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

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

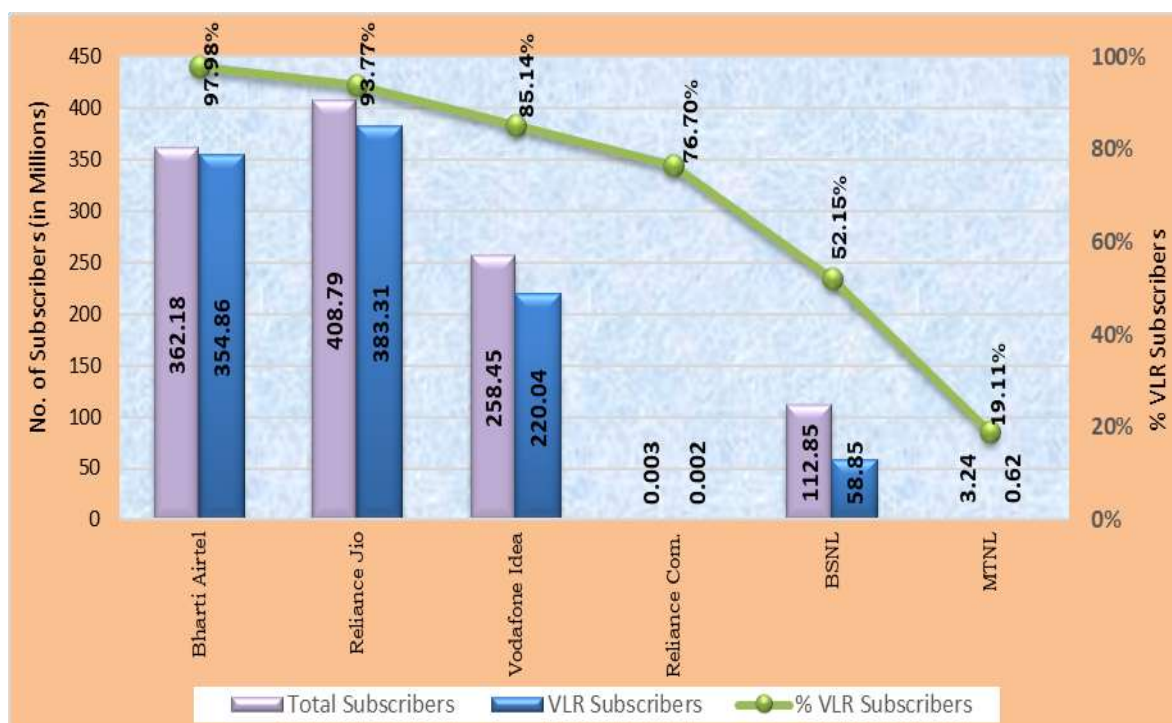


- Except Assam, West Bengal, Kolkata, Kerala, Himachal Pradesh and Haryana service areas, all other service areas have showed growth rate in their wireless subscribers during the month of May-22.

V. Active Wireless Subscribers (VLR Data)

- Out of the total 1,145.50 million wireless subscribers, 1017.68 million wireless subscribers were active on the date of peak VLR in the month of May-22. The proportion of active wireless subscribers was approximately 88.84% 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-22 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, 2022



- Bharti Airtel has the maximum proportion 97.98% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of May-22 and MTNL has the minimum proportion of VLR 19.11% of its HLR during the same period.

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



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-22, a total of 7.97 million requests were received for MNP. Out of total 7.97 million new requests, 4.49 million requests received from Zone-I and 3.48 million requests received from Zone-II. The cumulative MNP requests increased from 697.57 million at the end of April-22 to 705.54 million at the end of May-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 Maharashtra (about 58.08 million) followed by Uttar Pradesh-East (about 55.13 million) service area.

- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 54.02 million) followed by Andhra Pradesh (about 52.39 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-22	May-22		Apr-22	May-22
Delhi	33.66	34.01	Andhra Pradesh	51.97	52.39
Gujarat	47.13	47.61	Assam	5.01	5.08
Haryana	23.15	23.38	Bihar	35.18	35.74
Himachal Pradesh	3.15	3.18	Karnataka	53.61	54.02
Jammu & Kashmir	1.57	1.60	Kerala	18.60	18.78
Maharashtra	57.46	58.08	Kolkata	14.23	14.35
Mumbai	27.57	27.71	Madhya Pradesh	51.13	51.88
Punjab	25.45	25.70	North East	1.74	1.76
Rajasthan	49.84	50.37	Odisha	13.37	13.49
U.P.(East)	54.09	55.13	Tamil Nadu	50.09	50.44
U.P.(West)	42.52	43.32	West Bengal	37.03	37.52
Total	365.60	370.10	Total	331.97	335.45
Total (Zone-1 + Zone-2)				697.57	705.54
Net Addition (May, 2022)			7.97 million		

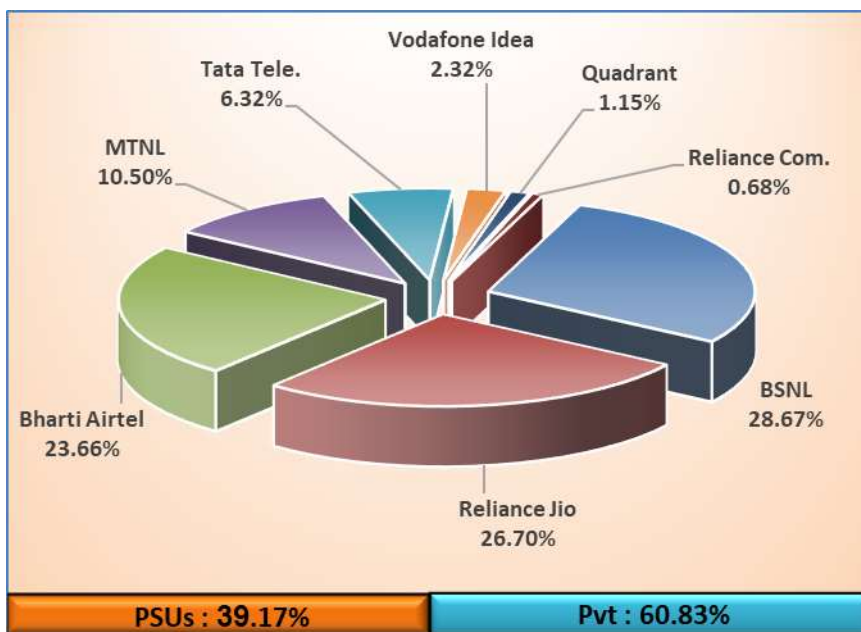
VII. Wireline Subscribers

- Wireline subscribers increased from 25.16 million at the end of April-22 to 25.23 million at the end of May-22. Net increase in the wireline subscriber base was 0.07 million with a monthly growth rate of 0.28%. The share of urban and rural subscribers in total wireline subscribers were 92.21% and 7.79% respectively at the end of May, 2022.
- The Overall Wireline Tele-density in India at the end of May-22 remained same i.e. 1.83% which was at end of April-22. Urban and Rural Wireline Tele-density were 4.84% and 0.22% respectively during the same period.

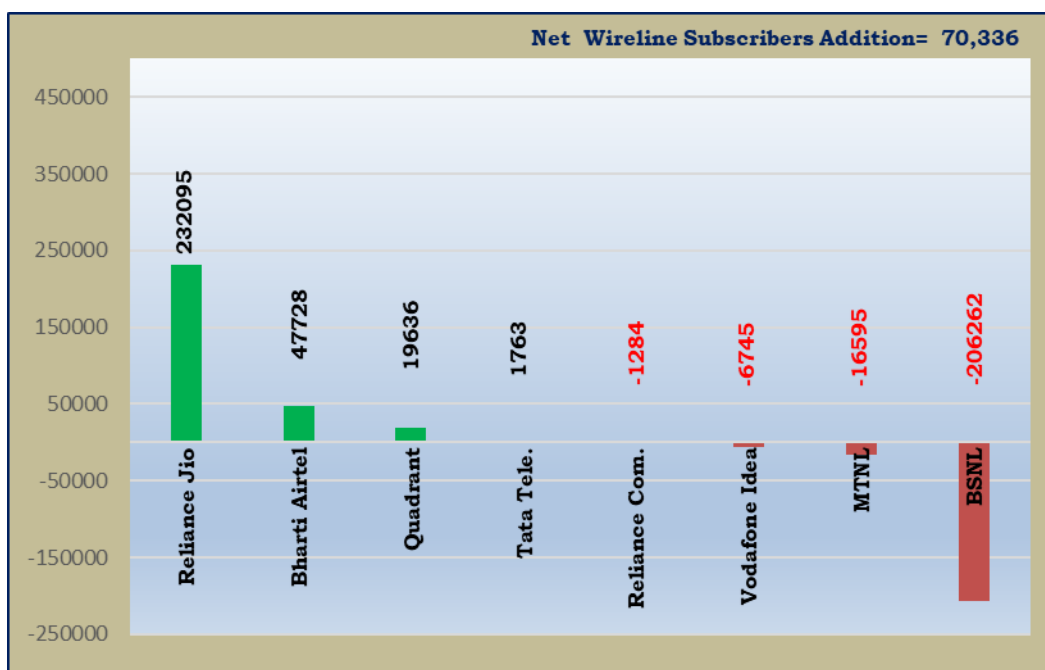
- BSNL and MTNL, the two PSU access service providers, held 39.17% of the wireline market share as on 31st May, 2022.

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

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



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



VIII. Broadband Subscriber

- As per the information received from 664 operators in May, 2022 in comparison to 657 Operator in April 2022, the total Broadband Subscribers increased from 788.77 million at the end of April-22 to 794.68 million at the end of May-22 with a monthly growth rate of 0.75%. 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, 2022

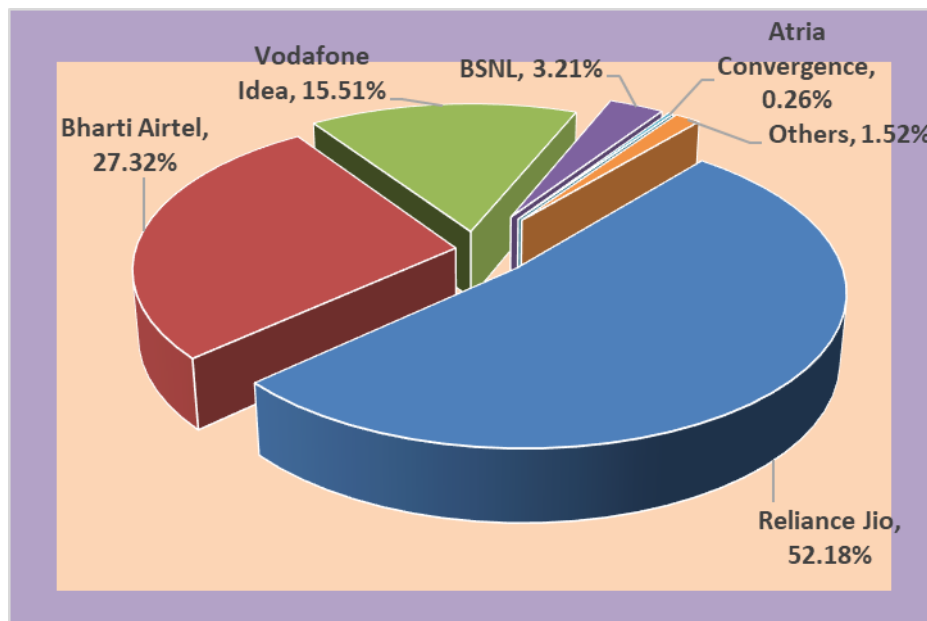
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of May, 2022
	As on 30 th April, 2022	As on 31 st May, 2022	
Wired subscribers	27.83	28.10	0.98%
Mobile devices users (Phones and dongles)	759.83	765.55	0.75%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	1.11	1.03	-7.50%
Total	788.77	794.68	0.75%

- Top five service providers constituted 98.48% market share of the total broadband subscribers at the end of May-22. These service providers were Reliance Jio Infocomm Ltd (414.67 million), Bharti Airtel (217.09 million), Vodafone Idea (123.24 million), BSNL (25.52 million) and Atria Convergence (2.09 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, 2022**



- As on 31st May, 2022, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd (5.89 million), Bharti Airtel (4.74 million), BSNL (3.82 million), Atria Convergence Technologies (2.10 million) and Hathway Cable & Datacom (1.11 million).

As on 31st May, 2022, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd (408.79 million), Bharti Airtel (212.35 million), Vodafone Idea (123.23 million), BSNL (21.70 million) and Intech Online Pvt. Ltd. (0.21 million).

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**(V. Raghunandan)
Secretary, TRAI**

Wireless Subscriber Base																Annexure-I	
Circle	Bharti Airtel (including Tata Tele.)		Reliance Com.		Vodafone Idea		BSNL		BSNL (VNO's)		MTNL		Reliance Jio		Total		Net Addition
	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	
Andhra Pradesh	31354740	31426052			13536849	13462041	9235042	9156619					28766185	29093205	82892816	83137917	245101
Assam	10,085,858	10,166,286			2477648	2447450	3221963	3235613					8393920	8303283	24179389	24152632	-26757
Bihar	37,549,526	37,861,463			10098755	10181591	5492014	5537429					33792388	34319905	86932683	87900388	967705
Delhi	16239458	16251949	202	202	16386314	16349276				2151951	2151661	17893256	17987418	52671181	52740506	69325	
Gujarat	11988296	11892823	64	64	23829900	23847573	5578829	5552542					25921360	26114297	67318449	67407299	88850
Haryana	5954121	5982851	18	18	7805801	7798065	4895992	4730055					8620624	8140938	27276556	26651927	-624629
Himachal Pradesh	3314762	3315326	92	92	554253	547019	2731392	2738350					3535548	3326867	10136047	9927654	-208393
J & K	5686516	5751254	0	0	433800	437212	1321582	1324220					4667063	4750984	12108961	12263670	154709
Karnataka	30679364	30667166	615	615	7595906	7572092	6869430	6794850					19747793	20075499	64893108	65110222	217114
Kerala	7746354	7773984	157	157	15752322	15467939	10450523	10413886					9256274	9374307	43205630	43030273	-175357
Kolkata	5715530	5715602	0	0	6094626	6092618	2277634	2143362					9774884	9854666	23862674	23806248	-56426
Madhya Pradesh	15189040	15220231	0	0	19771158	19850888	5908416	5896799					35709424	36104213	76578038	77072131	494093
Maharashtra	20275097	20352908	0	0	28258963	28021176	6533653	6618175					36446587	36795778	91514300	91788037	273737
Mumbai	9724159	9669355	1214	1214	11806736	11872510				1093553	1091178	11823529	11821185	34449191	34455442	6251	
North East	5673080	5705140	0	0	1092187	1085747	1380156	1410852					3884310	3867266	12029733	12069005	39272
Odisha	11067472	11139362	36	36	1787839	1767520	6280513	6293182					13437567	13623008	32573427	32823108	249681
Punjab	11999746	11995354	115	115	8417752	8434928	5333501	5234458					10552937	10678528	36304051	36343383	39332
Rajasthan	21840892	21911912	169	169	11028854	10981737	6480769	6482475					23513424	23676314	62864108	63052607	188499
Tamil Nadu	27323938	27216753	291	291	17752333	17705521	9790342	9758250	59,808	64,524			24008135	24274990	78934847	79020329	85482
U.P.(E)	37297156	37467926	0	0	20347136	20234110	10967785	10918759					32357926	32927495	100970003	101548290	578287
U.P.(W)	18531342	18625214	9	9	18674757	18568913	5881738	5844711					21000155	21415127	64088001	64453974	365973
West Bengal	15910833	16066250	172	172	15702177	15720882	2687329	2697798					22572736	22262169	56873247	56747271	-125976
Total	361147280	362175161	3154	3154	259206066	258446808	113318603	112782385	59808	64524	3245504	3242839	405676025	408787442	1142656440	1145502313	2845873
Net Addition		1027881		0		-759258		-536218		4716		-2665		3111417	0	2845873	
Rural Subscribers	174,853,778	175,875,010	0	0	130414243	129920223	36,430,666	36,228,528	0	0	44976	44970	177134552	178887019	518878215	520955750	2077535

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-22 (%)							Annexure-II
Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	97.16	58.14	88.54		-	89.68	88.85
Assam	99.02	42.93	91.26		-	96.86	89.98
Bihar	98.23	49.27	83.41		-	99.19	93.80
Delhi	95.86		65.53	13.69	96.04	86.48	79.91
Gujarat	97.40	46.58	88.73		95.31	89.93	87.26
Haryana	103.39	36.49	85.72		77.78	88.70	81.86
Himachal Pradesh	102.70	38.41	107.04		44.57	95.44	82.77
J & K	94.10	49.57	79.68		-	88.85	86.74
Karnataka	95.94	49.80	89.80		94.47	93.46	89.65
Kerala	103.98	75.51	92.26		96.82	95.29	90.98
Kolkata	91.78	47.91	86.60		-	95.54	88.06
Madhya Pradesh	98.83	46.91	81.87		-	93.66	88.07
Maharashtra	103.68	63.08	86.01		-	98.74	93.38
Mumbai	80.15		65.03	29.80	67.96	77.13	72.31
North East	106.97	57.98	91.94		-	108.95	100.53
Odisha	101.39	55.65	93.76		41.67	99.14	91.27
Punjab	98.90	42.72	81.94		68.70	87.52	83.53
Rajasthan	97.46	44.64	91.32		59.76	93.42	89.44
Tamil Nadu	98.06	70.02	92.85		95.53	90.09	90.96
U.P. (E)	99.06	33.29	88.24		-	100.86	90.42
U.P. (W)	100.26	40.68	86.01		77.78	89.35	87.13
West Bengal	94.35	67.88	86.63		41.28	97.48	92.18
Total	97.98	52.15	85.14	19.11	76.70	93.77	88.84

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-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	Apr-22	May-22	
Andhra Pradesh	686735	683743			359273	364508	20305	20436	156170	157188			67320	64345	745866	766378	2035669	2056598	20929
Assam	103,963	105,798			11221	11951	0	0	0	0			2910	2910	104896	110797	222990	231456	8466
Bihar	165,897	160,441			0	0	9	9	8147	8150			1890	1890	277730	290122	453673	460612	6939
Delhi	0	0	1269756	1264251	1753170	1764063	28411	27720	138386	138038			84515	83110	643634	664793	3917872	3941975	24103
Gujarat	385556	378756			156223	152383	2586	2616	77532	77603			44106	47566	403626	416183	1069629	1075107	5478
Haryana	185502	185182			55787	56650	0	0	32339	32160			330	330	72035	74588	345993	348910	2917
Himachal Pradesh	87951	88315			0	0	0	0	1564	1563			30	30	32900	34707	122445	124615	2170
J & K	100810	97989			45440	46445	0	0	0	0			30	30	145041	149330	291321	293794	2473
Karnataka	877298	874980			923938	932965	22548	22516	240952	240826			132247	127437	533140	549241	2730123	2747965	17842
Kerala	1042912	1031702			79755	80434	4284	4242	18848	18919			8990	9020	160648	166945	1315437	1311262	-4175
Kolkata	377629	223720			170812	171461	6254	6209	45850	45757			13525	12565	295682	308609	909752	768321	-141431
Madhya Pradesh	278493	273364			361078	362085	5	5	12099	12179			18790	21435	404033	424644	1074498	1093712	19214
Maharashtra	687805	685334			284668	292861	10109	10084	211713	211860			25493	25773	171655	180451	1391443	1406363	14920
Mumbai	0		1394921	1383831	479022	480863	50208	49540	480603	480127			112176	110331	620510	636667	3137440	3141359	3919
North East	79619	81092			0	0	0	0	0	0			330	330	89146	94224	169095	175646	6551
Odisha	187139	183071			504	676	4	4	8014	8053			3800	3770	134970	141346	334431	336920	2489
Punjab	312866	311548			188990	190410	2312	2414	13855	14186	271426	291062	2040	2010	176704	183966	968193	995596	27403
Rajasthan	290654	288597			142285	145607	3702	3717	12806	12699			15520	15490	247236	256306	712203	722416	10213
Tamil Nadu	1014869	1009032			676419	680821	20988	20939	118412	119772			38135	37090	491264	505644	2360087	2373298	13211
U.P.(E)	145338	144101			130445	131375	20	20	8083	8059			16750	16750	290371	300110	591007	600415	9408
U.P.(W)	195414	192870			97950	99318	9	10	4776	4776			4246	4216	315056	326575	617451	627765	10314
West Bengal	234355	234908			4617	4449	13	2	2557	2554			120	120	148303	154915	389965	396948	6983
Total	7440805	7234543	2664677	2648082	5921597	5969325	171767	170483	1592706	1594469	271426	291062	593293	586548	6504446	6736541	25160717	25231053	70336
Net Addition		-206262		-16595		47728		-1284		1763		19636		-6745		232095		70336	
Rural Subscribers	1792482	1783579	0	0	0	0	388	388	37564	37593	22055	21811	0	0	92217	122699	1944706	1966070	21364

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.