

**TELECOM REGULATORY AUTHORITY OF INDIA**New Delhi, 16th June, 2022

(www.traigov.in)

Highlights of Telecom Subscription Data as on 30th April, 2022

Particulars	Wireless	Wireline	Total (Wireless+ Wireline)
Total Telephone Subscribers (Million)	1142.66	25.16	1167.82
Net Addition in March, 2022 (Million)	0.56	0.32	0.88
Monthly Growth Rate	0.05%	1.29%	0.08%
Urban Telephone Subscribers (Million)	623.78	23.22	646.99
Net Addition in March, 2022 (Million)	-0.45	0.33	-0.12
Monthly Growth Rate	-0.07%	1.45%	-0.02%
Rural Telephone Subscribers (Million)	518.88	1.94	520.82
Net Addition in March, 2022 (Million)	1.02	-0.01	1.00
Monthly Growth Rate	0.20%	-0.59%	0.19%
Overall Tele-density* (%)	83.05%	1.83%	84.88%
Urban Tele-density* (%)	129.87%	4.83%	134.70%
Rural Tele-density* (%)	57.94%	0.22%	58.16%
Share of Urban Subscribers	54.59%	92.27%	55.40%
Share of Rural Subscribers	45.41%	7.73%	44.60%
Broadband Subscribers (Million)	760.94	27.83	788.77

- ❖ In the month of April, 2022, 7.82 million subscribers submitted their requests for Mobile Number Portability (MNP). With this, the cumulative MNP requests increased from 689.76 million at the end of March-22 to 697.57 million at the end of April-22, since implementation of MNP.
- ❖ Number of active wireless subscribers (on the date of peak VLR#) in April, 2022 was 1013.81 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.

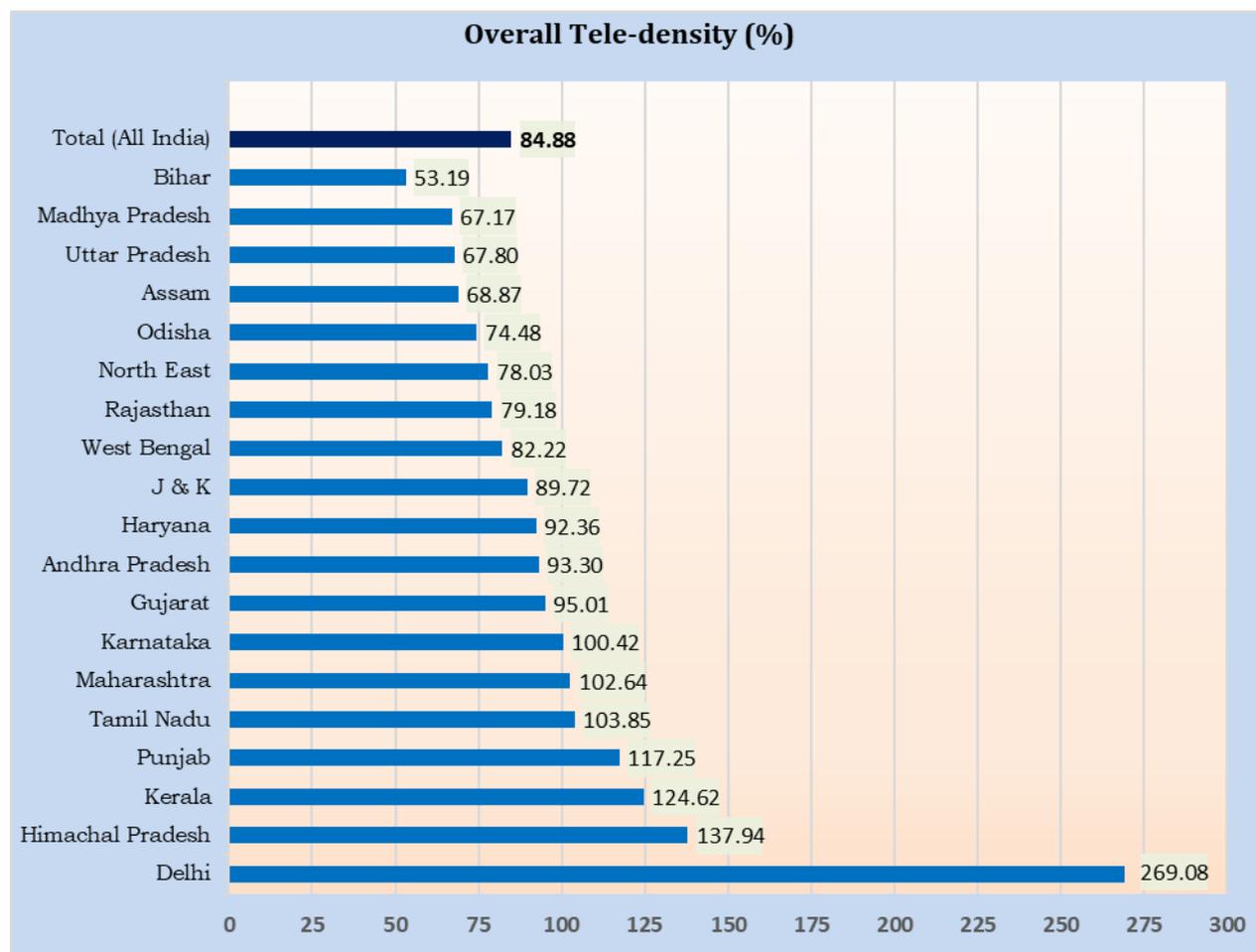
I. Total Telephone Subscribers

- The number of telephone subscribers in India increased from 1,166.93 million at the end of March-22 to 1,167.82 million at the end of April-22, thereby showing a monthly growth rate of 0.08%. Urban telephone subscription decreased from 647.11 million at the end of March-22 to 646.99 million at the end of April-22, however the rural subscription increased from 519.82 million to 520.82 million during the same period. The monthly growth rates of urban and rural telephone subscription were -0.02% and 0.19% respectively during the month of April-22.



- The overall Tele-density in India remained same i.e. 84.88% which was at the end of March-22. The Urban Tele-density decreased from 134.94% at the end of March-22 to 134.70% at the end of April-22 however Rural Tele-density increased from 58.07% to 58.16% during the same period. The share of urban and rural subscribers in total number of telephone subscribers at the end of April-22 was 55.40% and 44.60% respectively.

Overall Tele-density (LSA Wise) – As on 30th April, 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 April-22. Delhi service area has maximum tele-density of 269.08% and the Bihar service area has minimum tele-density of 53.19% at the end of April-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 April 2022

Circle Category	Net additions in the month of April, 2022		Telephone Subscriber base as on 30 th April, 2022	
	Wireline segment	Wireless segment	Wireline segment	Wireless segment
Circle A	88,376	-6,86,105	95,86,951	38,55,53,520
Circle B	152,169	-4,52,119	60,14,747	46,81,59,634
Circle C	51,670	10,27,054	15,93,955	17,79,60,240
Metro	28,746	6,73,725	79,65,064	11,09,83,046
All India	3,20,961	5,62,555	2,51,60,717	1,14,26,56,440

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

Circle Category	Monthly growth rate (%) (March-22 to April-22)		Yearly growth rate (%) (April-21 to April-22)	
	Wireline Segment	Wireless Segment	Wireline Segment	Wireless Segment
Circle A	0.93%	-0.18%	24.40%	-4.70%
Circle B	2.60%	-0.10%	37.57%	-2.19%
Circle C	3.35%	0.58%	62.49%	-2.01%
Metro	0.36%	0.61%	9.08%	-6.17%
All India	1.29%	0.05%	23.57%	-3.42%

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

- As can be seen in the above tables, in wireless segment, on monthly basis except Circle 'A' and Circle 'B', all 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, both on monthly and yearly basis, Circles of all categories have registered growth rate in their subscriber base.

III. Wireless subscriber

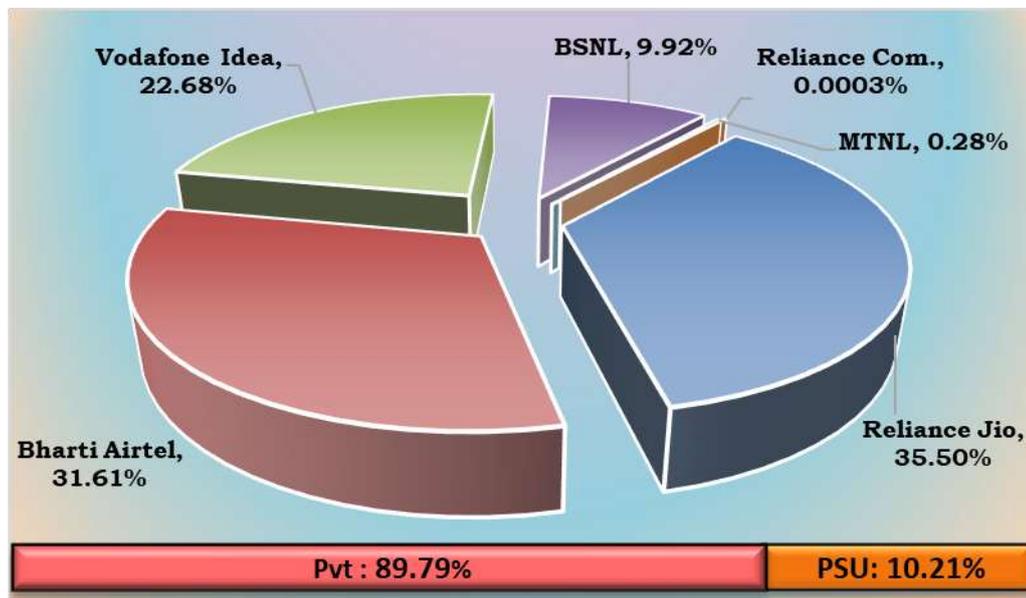
• Total wireless subscribers increased from 1,142.09 million at the end of March-22, to 1,142.66 million at the end of April-22, thereby registering a monthly growth rate of 0.05%. Wireless subscription in urban areas decreased from 624.23 million at the end of March-22 to 623.78 million at the end of April-22 however wireless subscription in rural areas increased from 517.86 million to 518.88 million during the same period. Monthly growth rates of urban and rural wireless subscription were -0.07% and 0.20% respectively.



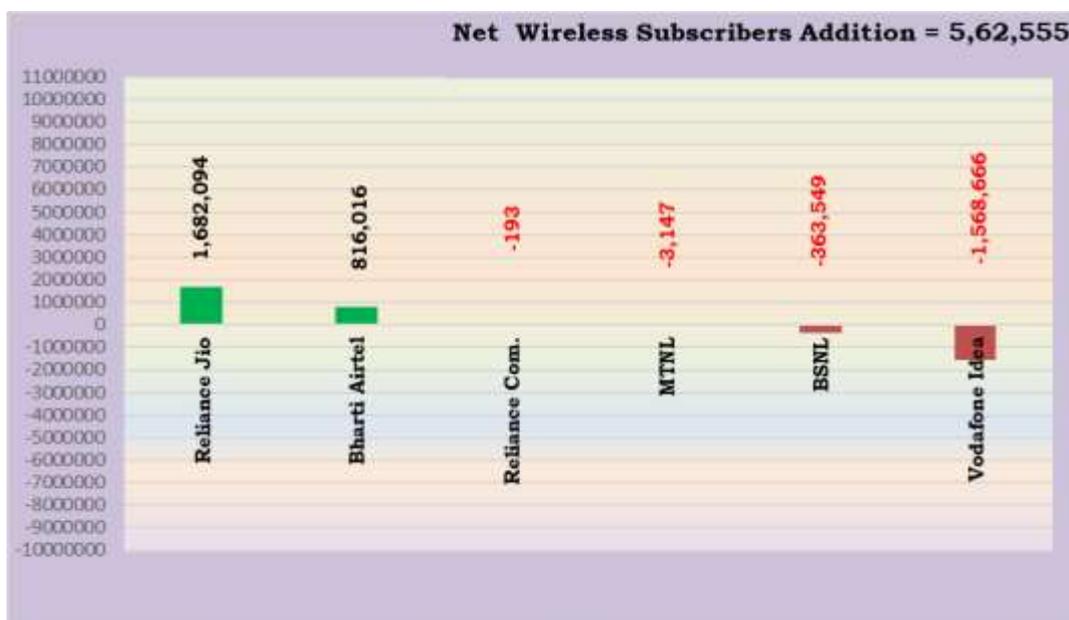
• The Wireless Tele-density in India decreased from 83.07% at the end of March-22 to 83.05% at the end of April-22. The Urban Wireless Tele-density decreased from 130.17% at the end of March-22 to 129.87% at the end of April-22, however Rural Tele-density increased from 57.85% to 57.94% during the same period. The share of urban and rural wireless subscribers in total number of wireless subscribers was 54.59% and 45.41% respectively at the end of April-22. Detailed statistics of wireless subscriber base is available at **Annexure-I**.

- As on 30th April, 2022, the private access service providers held 89.79% market share of the wireless subscribers whereas BSNL and MTNL, the two PSU access service providers, had a market share of only 10.21%.
- 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 April, 2022



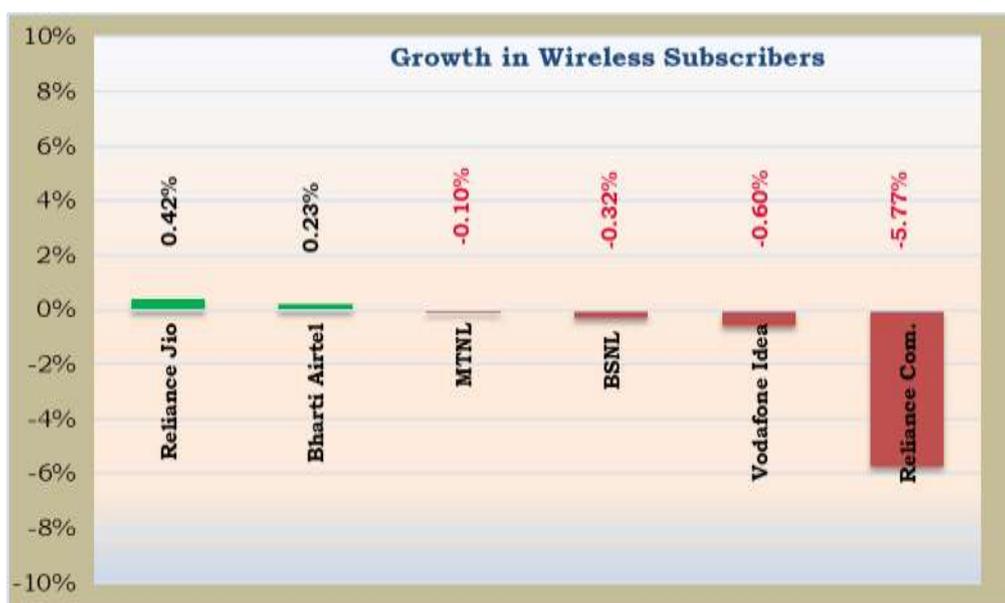
Net Addition in Wireless Subscribers of Access Service Providers in the month of April, 2022



- 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 April, 2022



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

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

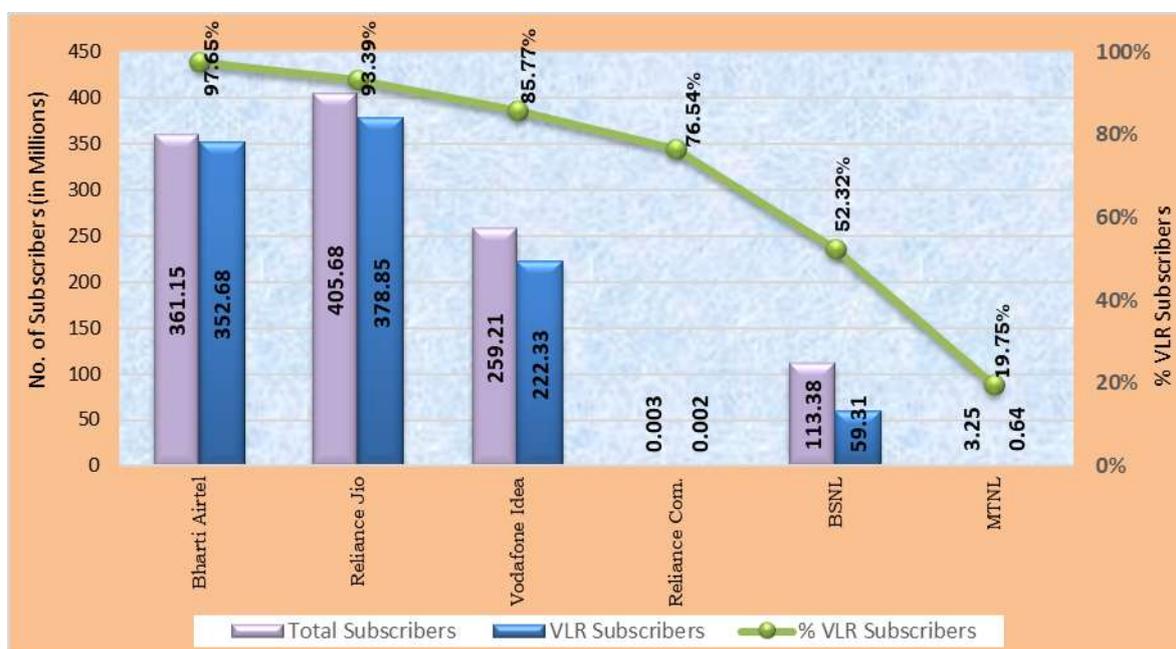


- Except Madhya Pradesh, Andhra Pradesh, Himachal Pradesh, Kerala, Rajasthan, Maharashtra and Punjab service areas, all other service areas have showed growth rate in their wireless subscribers during the month of April-22.

V. Active Wireless Subscribers (VLR Data)

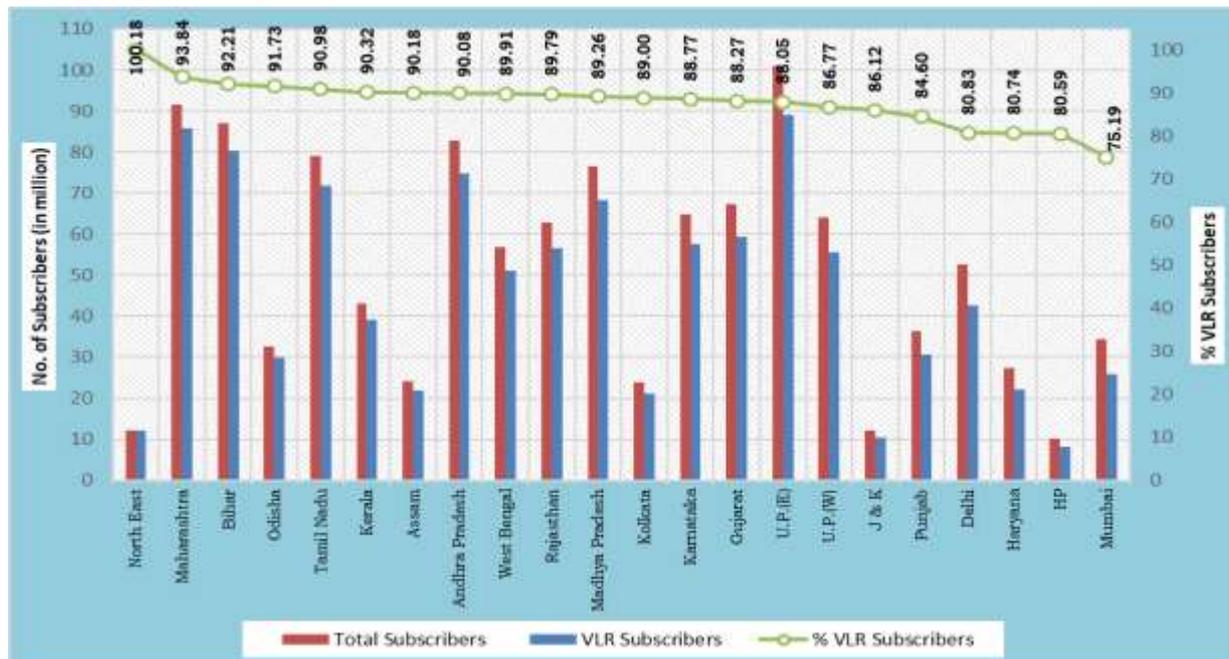
- Out of the total 1,142.66 million wireless subscribers, 1013.81 million wireless subscribers were active on the date of peak VLR in the month of April-22. The proportion of active wireless subscribers was approximately 88.72% of the total wireless subscriber base.
- The detailed statistics on proportion of active wireless subscribers (also referred to as VLR subscribers) on the date of peak VLR in the month of April-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 April, 2022



- Bharti Airtel has the maximum proportion 97.65% of its active wireless subscribers (VLR) as against its total wireless subscribers (HLR) on the date of peak VLR in the month of April-22 and MTNL has the minimum proportion of VLR 19.75% of its HLR during the same period.

Service Area wise percentage of VLR Subscribers in the month of April, 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 April-22, a total of 7.82 million requests were received for MNP. Out of total 7.82 million new requests, 4.50 million requests received from Zone-I and 3.31 million requests received from Zone-II. The cumulative MNP requests increased from 689.76 million at the end of March-22 to 697.57 million at the end of April-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 57.46 million) followed by Uttar Pradesh-East (about 54.09 million) service area.
- In MNP Zone-II (Southern and Eastern India), the highest number of requests till date have been received in Karnataka (about 53.61 million) followed by Andhra Pradesh (about 51.97 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)	
	Mar-22	Apr-22		Mar-22	Apr-22
Delhi	33.31	33.66	Andhra Pradesh	51.54	51.97
Gujarat	46.64	47.13	Assam	4.96	5.01
Haryana	22.93	23.15	Bihar	34.65	35.18
Himachal Pradesh	3.12	3.15	Karnataka	53.23	53.61
Jammu & Kashmir	1.55	1.57	Kerala	18.43	18.60
Maharashtra	56.84	57.46	Kolkata	14.12	14.23
Mumbai	27.41	27.57	Madhya Pradesh	50.46	51.13
Punjab	25.21	25.45	North East	1.73	1.74
Rajasthan	49.31	49.84	Odisha	13.24	13.37
U.P.(East)	53.00	54.09	Tamil Nadu	49.73	50.09
U.P.(West)	41.79	42.52	West Bengal	36.57	37.03
Total	361.10	365.60	Total	328.66	331.97
Total (Zone-1 + Zone-2)				689.76	697.57
Net Addition (April, 2022)			7.82 million		

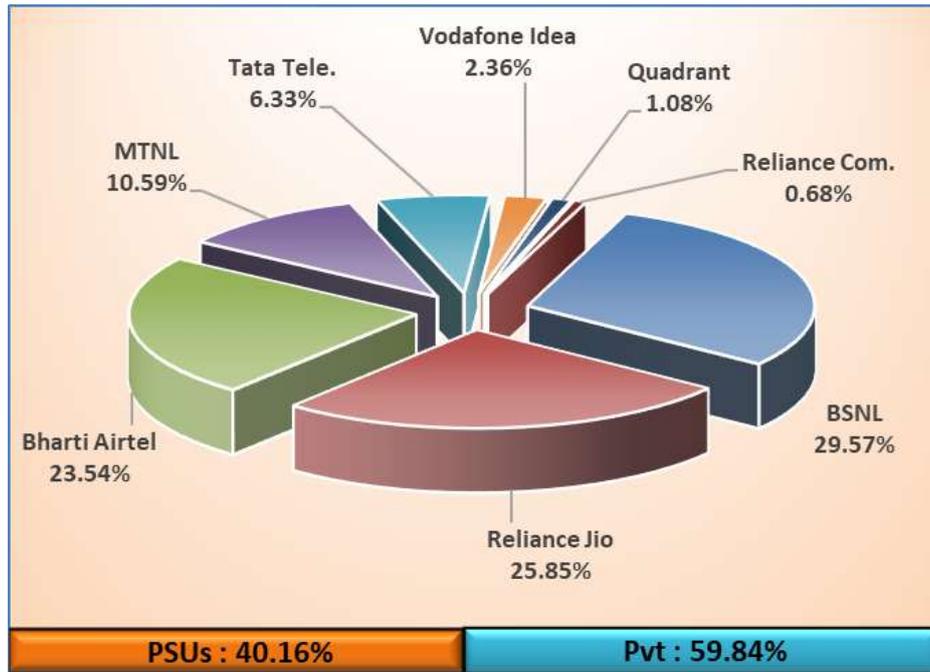
VII. Wireline Subscribers

- Wireline subscribers increased from 24.84 million at the end of March-22 to 25.16 million at the end of April-22. Net increase in the wireline subscriber base was 0.32 million with a monthly growth rate of 1.29%. The share of urban and rural subscribers in total wireline subscribers were 92.27% and 7.73% respectively at the end of April, 2022.
- The Overall Wireline Tele-density in India, increased from 1.81% at the

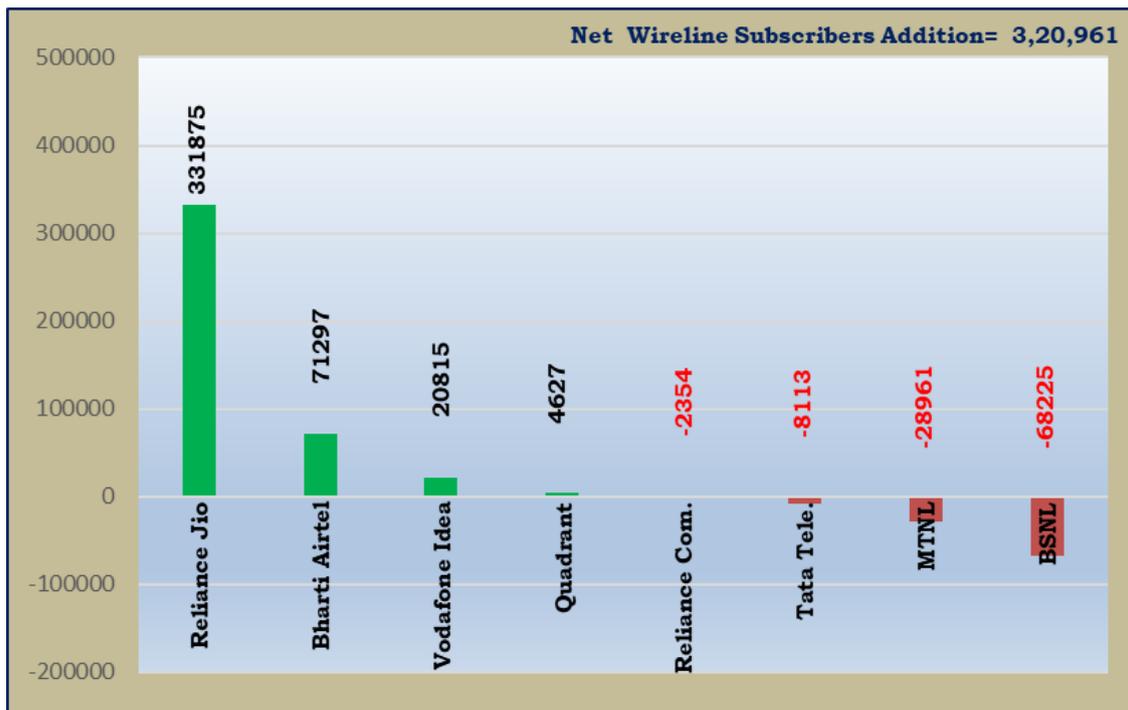
end of March-22 to 1.83% at the end of April-22. Urban and Rural Wireline Tele-density were 4.83% and 0.22% respectively during the same period.

- BSNL and MTNL, the two PSU access service providers, held 40.16% of the wireline market share as on 30th April, 2022. Detailed statistics of wireline subscriber base are available at **Annexure-III**.

Access Service Provider-wise Market Share of Wireline Subscribers as on 30th April, 2022



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



VIII. Broadband (\geq 512 Kbps download)

- As per the information received from 657 operators in April, 2022 in comparison to 653 Operator in March 2022, the total Broadband Subscribers increased from 788.30 million at the end of March-22 to 788.77 million at the end of April-22 with a monthly growth rate of 0.06%. Segment-wise broadband subscribers and their monthly growth rates are as below: -

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

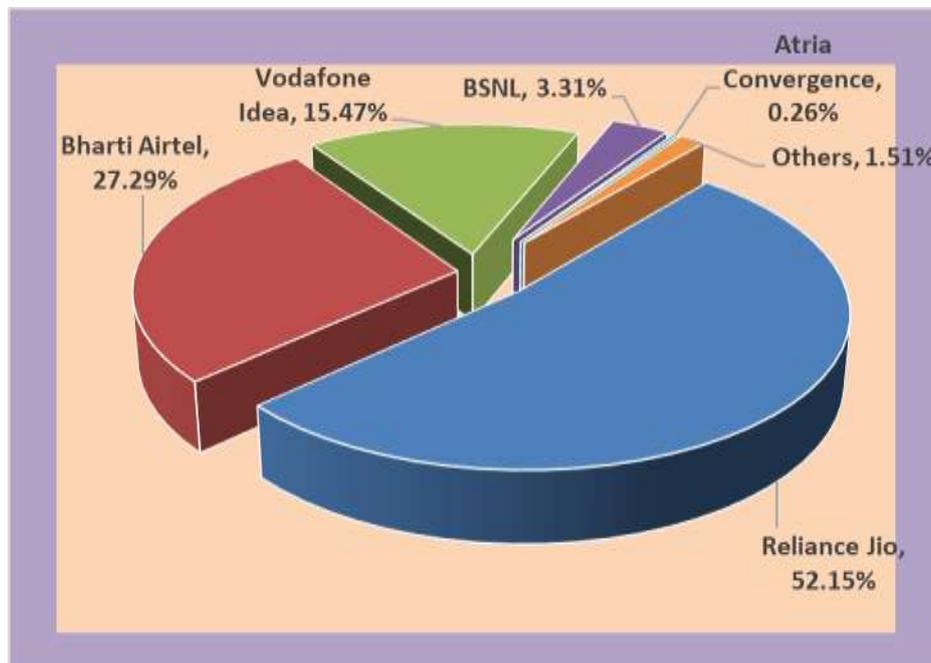
Segment	Broadband subscribers (in million)		Monthly growth rate in the month of April, 2022
	As on 31 st March, 2022	As on 30 th April, 2022	
Wired subscribers	27.25	27.83	2.14%
Mobile devices users (Phones and dongles)	759.87	759.83	-0.01%
Fixed Wireless subscribers (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	1.18	1.11	-5.61%
Total	788.30	788.77	0.06%

- Top five service providers constituted 98.49% market share of the total broadband subscribers at the end of April-22. These service providers were Reliance Jio Infocomm Ltd (411.31 million), Bharti Airtel (215.28 million), Vodafone Idea (122.06 million), BSNL (26.10 million) and Atria Convergence (2.08 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 30th April 2022**



- As on 30th April, 2022, the top five Wired Broadband Service providers were Reliance Jio Infocomm Ltd (5.63 million), Bharti Airtel (4.85 million), BSNL (3.80 million), Atria Convergence Technologies (2.08 million) and Hathway Cable & Datacom (1.11 million).

As on 30th April, 2022, the top five Wireless Broadband Service providers were Reliance Jio Infocom Ltd (405.68 million), Bharti Airtel (210.43 million), Vodafone Idea (122.05 million), BSNL (22.29 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
	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	
Andhra Pradesh	31366746	31354740			13692242	13536849	9299811	9235042					28761926	28766185	83120725	82892816	-227909
Assam	10,043,796	10,085,858			2501259	2477648	3210135	3221963					8290308	8393920	24045498	24179389	133891
Bihar	37,414,631	37,549,526			10189484	10098755	5438780	5492014					33276206	33792388	86319101	86932683	613582
Delhi	16235553	16239458	204	202	16130457	16386314					2152246	2151951	17752242	17893256	52270702	52671181	400479
Gujarat	11978342	11988296	78	64	23787229	23829900	5584147	5578829					25949345	25921360	67299141	67318449	19308
Haryana	5921655	5954121	19	18	7833440	7805801	4935801	4895992					8531886	8620624	27222801	27276556	53755
Himachal Pradesh	3317454	3314762	93	92	558401	554253	2773564	2731392					3521078	3535548	10170590	10136047	-34543
J & K	5632326	5686516	0	0	430021	433800	1321119	1321582					4566655	4667063	11950121	12108961	158840
Karnataka	30664024	30679364	653	615	7639731	7595906	6858477	6869430					19505818	19747793	64668703	64893108	224405
Kerala	7734058	7746354	165	157	15953380	15752322	10520191	10450523					9166678	9256274	43374472	43205630	-168842
Kolkata	5709242	5715530	0	0	6076759	6094626	2260124	2277634					9726519	9774884	23772644	23862674	90030
Madhya Pradesh	15080492	15189040	0	0	19984148	19771158	6026898	5908416					35667197	35709424	76758735	76578038	-180697
Maharashtra	20274742	20275097	0	0	28714243	28258963	6656723	6533653					36653409	36446587	92299117	91514300	-784817
Mumbai	9693295	9724159	1270	1214	11837333	11806736					1096405	1093553	11637672	11823529	34265975	34449191	183216
North East	5628807	5673080	0	0	1099337	1092187	1358731	1380156					3831508	3884310	11918383	12029733	111350
Odisha	11069813	11067472	54	36	1829944	1787839	6262887	6280513					13366795	13437567	32529493	32573427	43934
Punjab	11909677	11999746	117	115	8546865	8417752	5301931	5333501					11227549	10552937	36986139	36304051	-682088
Rajasthan	21819804	21840892	170	169	11073954	11028854	6545223	6480769					23746244	23513424	63185395	62864108	-321287
Tamil Nadu	27403128	27323938	293	291	17928621	17752333	9665252	9790342	53,545	59,808			23801100	24008135	78851939	78934847	82908
U.P.(E)	37152947	37297156	0	0	20543055	20347136	11047872	10967785					31861176	32357926	100605050	100970003	364953
U.P.(W)	18499362	18531342	9	9	18762746	18674757	5955327	5881738					20868507	21000155	64085951	64088001	2050
West Bengal	15781370	15910833	222	172	15662083	15702177	2665422	2687329					22284113	22572736	56393210	56873247	480037
Total	360331264	361147280	3347	3154	260774732	259206066	113688415	113318603	53545	59808	3248651	3245504	403993931	405676025	1142093885	1142656440	562555
Net Addition		816016		-193		-1568666		-369812		6263		-3147		1682094	0	562555	
Rural Subscribers	173,975,045	174,853,778	0	0	131451546	130414243	36,623,398	36,430,666	0	0	44982	44976	175767566	177134552	517862537	518878215	1015678

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 April-22 (%) Annexure-II

Circle	Bharti	BSNL	Vodafone Idea	MTNL	Reliance Com.	Reliance Jio	Total
Andhra Pradesh	97.47	57.90	89.70		-	92.54	90.08
Assam	99.44	43.10	92.13		-	96.55	90.18
Bihar	96.84	49.75	82.29		-	96.94	92.21
Delhi	95.17		68.14	13.54	96.53	87.53	80.83
Gujarat	98.15	47.18	90.08		96.88	90.89	88.27
Haryana	104.24	36.10	87.67		77.78	83.60	80.74
Himachal Pradesh	101.60	38.82	106.30		30.43	89.12	80.59
J & K	94.05	50.20	81.90		-	87.02	86.12
Karnataka	94.46	49.50	90.16		94.63	93.05	88.77
Kerala	103.84	74.23	91.65		100.00	94.91	90.32
Kolkata	93.30	46.96	89.12		-	96.19	89.00
Madhya Pradesh	99.31	47.59	83.42		-	95.11	89.26
Maharashtra	104.28	64.19	86.79		-	98.82	93.84
Mumbai	82.97		69.17	31.97	67.96	78.80	75.19
North East	105.96	60.90	92.90		-	107.74	100.18
Odisha	101.30	56.06	96.30		38.89	99.91	91.73
Punjab	99.64	43.07	84.06		67.83	88.91	84.60
Rajasthan	98.18	45.65	91.40		59.76	93.40	89.79
Tamil Nadu	97.50	70.32	93.54		95.88	90.13	90.98
U.P. (E)	96.72	33.47	86.06		-	97.81	88.05
U.P. (W)	99.89	40.97	84.06		77.78	90.43	86.77
West Bengal	94.76	69.42	86.38		41.86	91.38	89.91
Total	97.65	52.32	85.77	19.75	76.54	93.39	88.72

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
	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	Mar-22	Apr-22	
Andhra Pradesh	692320	686735			352032	359273	20035	20305	156683	156170			65410	67320	708510	745866	1994990	2035669	40679
Assam	103,782	103,963			0	11221	0	0	0	0			2820	2910	102291	104896	208893	222990	14097
Bihar	167,828	165,897			0	0	9	9	8152	8147			1890	1890	261865	277730	439744	453673	13929
Delhi	0	0	1284568	1269756	1773430	1753170	28539	28411	138455	138386			84260	84515	617697	643634	3926949	3917872	-9077
Gujarat	393836	385556			160949	156223	3420	2586	77575	77532			43986	44106	382794	403626	1062560	1069629	7069
Haryana	184984	185502			48246	55787	0	0	32688	32339			330	330	69179	72035	335427	345993	10566
Himachal Pradesh	88425	87951			0	0	0	0	1563	1564			30	30	31160	32900	121178	122445	1267
J & K	101378	100810			40024	45440	0	0	0	0			30	30	139539	145041	280971	291321	10350
Karnataka	879553	877298			920943	923938	22923	22548	246903	240952			121757	132247	511274	533140	2703353	2730123	26770
Kerala	1054283	1042912			79432	79755	4666	4284	18781	18848			8960	8990	153820	160648	1319942	1315437	-4505
Kolkata	382575	377629			170510	170812	6310	6254	45506	45850			12535	13525	281928	295682	899364	909752	10388
Madhya Pradesh	281090	278493			354987	361078	5	5	12164	12099			16560	18790	370286	404033	1035092	1074498	39406
Maharashtra	701616	687805			276161	284668	10148	10109	211678	211713			25463	25493	163694	171655	1388760	1391443	2683
Mumbai	0	0	1409070	1394921	478389	479022	50549	50208	481882	480603			106951	112176	583164	620510	3110005	3137440	27435
North East	80057	79619			0	0	0	0	0	0			330	330	84129	89146	164516	169095	4579
Odisha	188482	187139			0	504	4	4	7990	8014			3710	3800	126797	134970	326983	334431	7448
Punjab	313453	312866			186740	188990	1578	2312	13882	13855	266799	271426	2040	2040	166589	176704	951081	968193	17112
Rajasthan	292244	290654			139265	142285	3981	3702	12822	12806			15700	15520	225772	247236	689784	712203	22419
Tamil Nadu	1026022	1014869			672072	676419	21915	20988	118938	118412			38570	38135	471395	491264	2348912	2360087	11175
U.P.(E)	146270	145338			100907	130445	20	20	8159	8083			16780	16750	278805	290371	550941	591007	40066
U.P.(W)	196937	195414			96213	97950	7	9	4450	4776			4246	4246	300745	315056	602598	617451	14853
West Bengal	233895	234355			0	4617	12	13	2548	2557			120	120	141138	148303	377713	389965	12252
Total	7509030	7440805	2693638	2664677	5850300	5921597	174121	171767	1600819	1592706	266799	271426	572478	593293	6172571	6504446	24839756	25160717	320961
Net Addition		-68225		-28961		71297		-2354		-8113		4627		20815		331875		320961	
Rural Subscribers	1806675	1792482	0	0	0	0	150	388	37562	37564	22618	22055	0	0	89170	92217	1956175	1944706	-11469

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.