



PERFORMANCE OF TELECOM INDUSTRY IN INDIA, JULY 2020.

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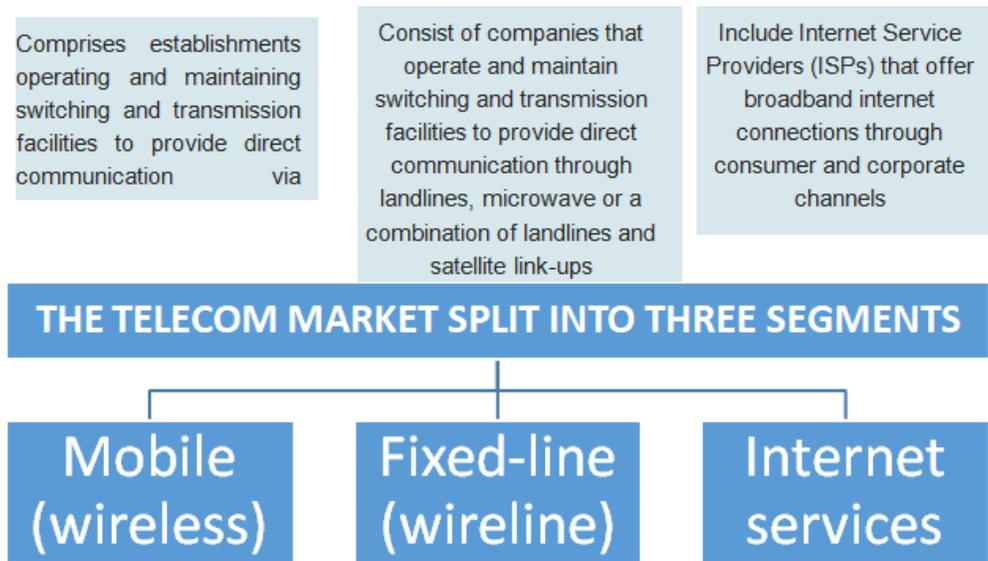
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INTRODUCTION

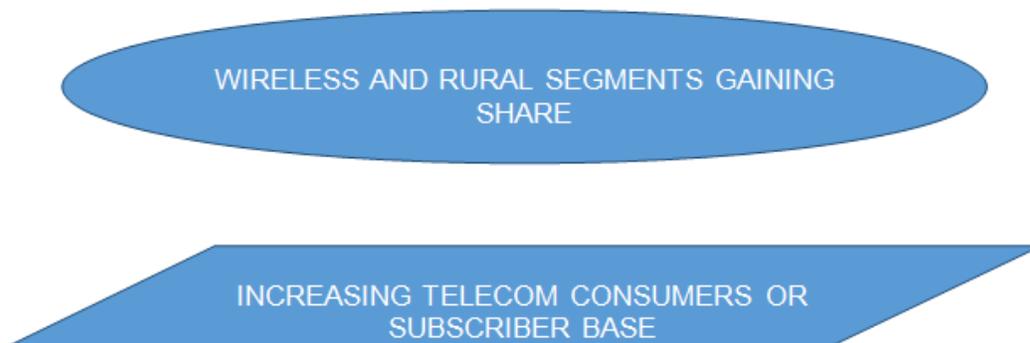
India has the second biggest telecom arrange on the world. All out subscriber or follower base in the nation remained at 1,177.97 million as on March 2020. Telecom infiltration, otherwise called tele-thickness, has become quickly in the course of the most recent couple of years, Tele-thickness or tele-density developed from 18.23 percent in FY16 to 87.37 percent in FY20 (till March 2020) India has the second most elevated number of web endorsers all inclusive. India's dynamic web membership arrived at 530 million of every 2018 at a run pace of 65 million clients for every year over the most recent two years. According to a report by Ericsson, India had the world's most elevated information utilization per cell phone, averaging 9.8 GB every month in 2019. Accessibility of moderate cell phones and lower paces of information are required to drive development in the Indian telecom industry.

India's positions second as far as number of media transmission memberships, web supporters or consumers and application downloads* all around. In addition, India is likewise perhaps the biggest datum purchasers all around. It has most noteworthy information use per cell phone, averaging 9.8GB every month. In the period of 5G, telecom will procure 70 percent of its income from center recipients of 5G. At present, it is acquiring 30 percent from undertakings. The Government of India has presented Digital India program where parts, for example, social insurance, retail, and so forth will be associated through web. For household utilization and fare, Ericsson will begin fabricating 5G radio items in India. As of January 2019, consumption on telecom framework and administrations by Government of India grew six-overlay to Rs 60,000 crore (US\$ 8.31 billion) between 2014-19. The Government has been proactive in its endeavors to change India into a worldwide media transmission center point. The Government of India revealed National Digital Communications Policy 2018 in September 2018. The strategy was intended to draw in US\$ 100 billion worth of venture and produce 4 million employments in the segment by 2022.





India is as of now the second biggest media transmission showcase and has the second most noteworthy number of web clients in the world. India's phone endorser base extended at a CAGR of 2.70 percent between FY16-20 and arrived at 1,177.97 million in FY20. Tele-thickness (characterized as the quantity of phone associations for each 100 people) in India remained at 87.37 percent in FY20.



The portion of the wireless segment in India's media communications advertise has expanded consistently. Remote portion represented 98.28 percent of the complete phone memberships in FY20. Media communications infiltration has seen a flood in rustic territories with country entrance increasing a huge pie of the general membership base. Country endorsers structure 44.27 percent of the complete phone supporters in FY20 contrasted with 33.35 percent in FY11.

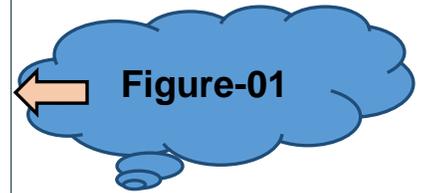
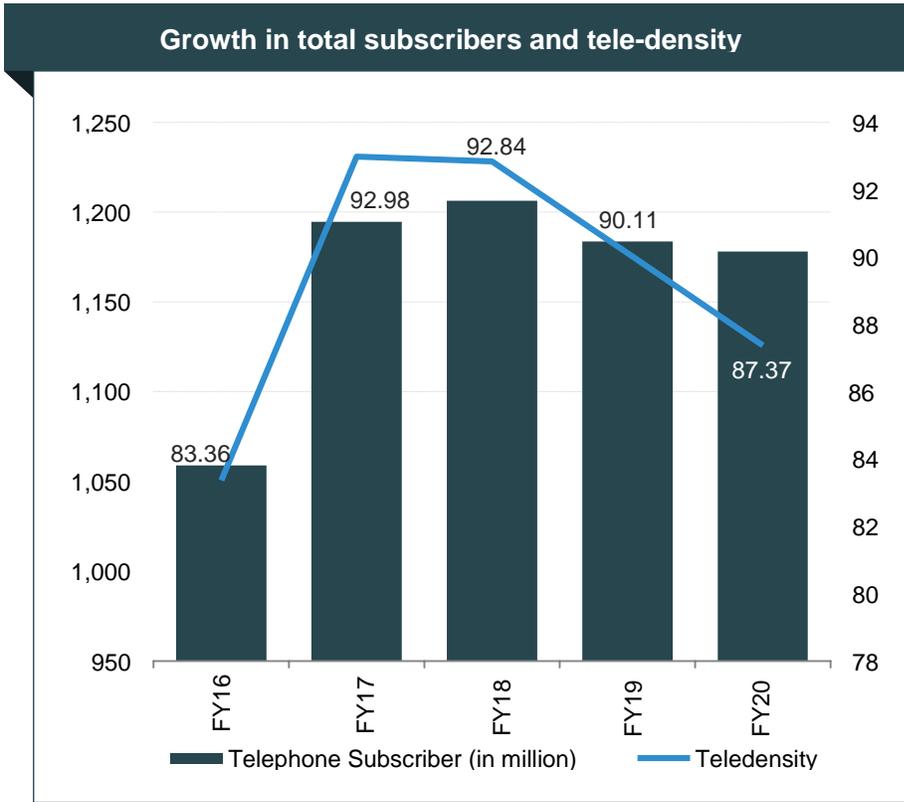
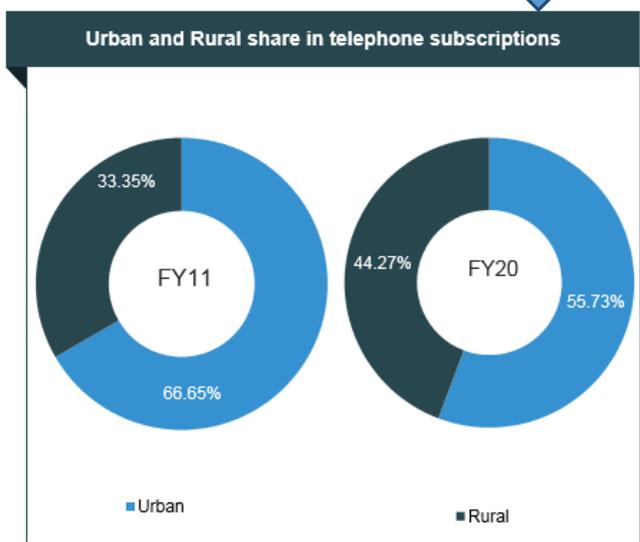
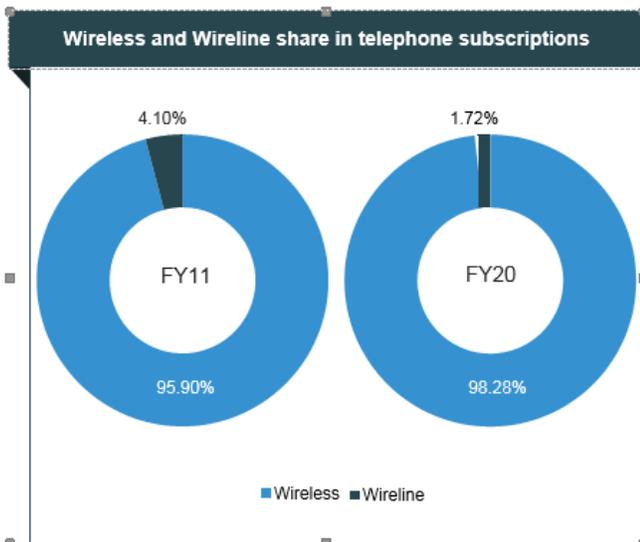


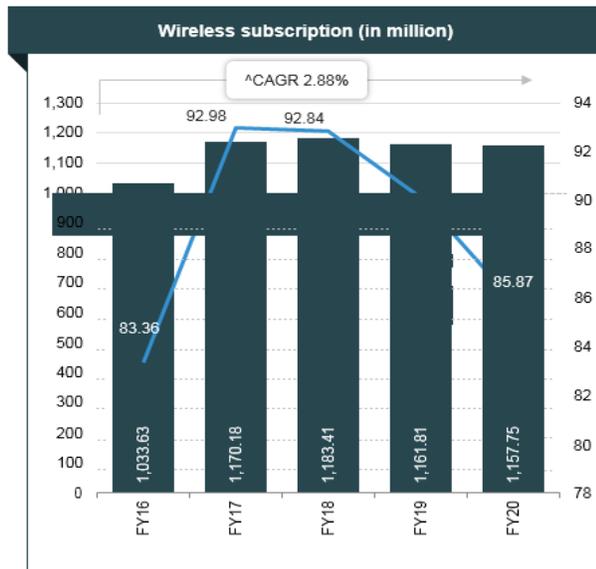
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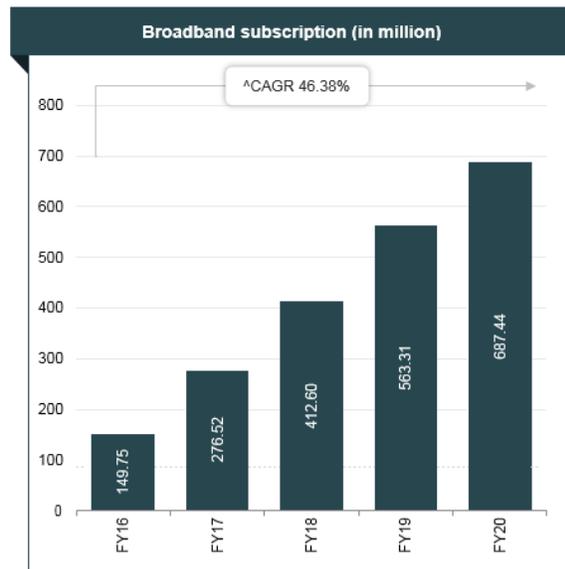
*Notes: *Combined iOS App Store, Google Play and third-party android, ^Nokia MBit Index 2018, PB- Petabytes
 Source: Economic Times, TRAI, App Annie, Department of Telecommunications
 CAGR - Compound Annual Growth Rate*

WIRELESS SUBSCRIPTIONS ONLOOKER ROBUST GROWTH OVER THE YEARS

Wireless subscription has grown robustly over the past few years. The growth in wireless subscriptions has led to a significant rise in wireless tele-density. In FY20, wireless subscription stood at 1,157.75 million, whereas, wireless tele-density reached 85.57 per cent. Total broadband subscription in the country grew from 149.75 million in FY16 to 687.44 in FY20. The number of wired broadband subscriptions stood at 19.18 million in FY20. Wireless broadband subscribers[#] stood at 668.26 million in FY20.



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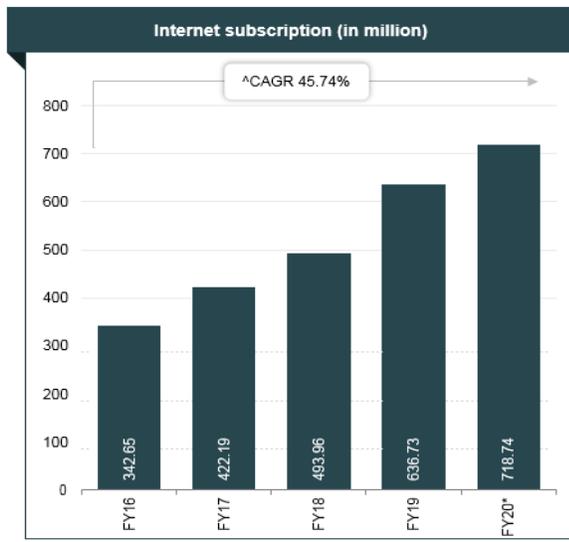
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NUMBER OF INTERNET SUBSCRIBERS GROWING AT A FAST PACE

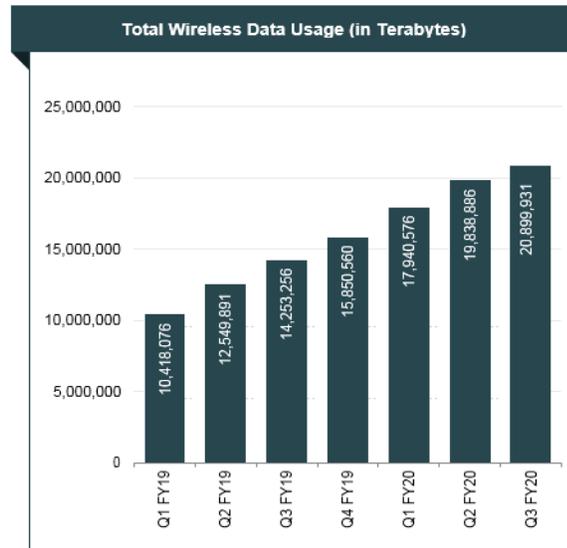
The number of internet subscribers in the country increased at a CAGR of 45.74 per cent during FY16-FY19 to reach 636.73 million in FY19. The number of internet subscribers in the country is expected to double by 2021 to 829 million[#]. Overall IP traffic is expected to grow four-fold at a CAGR of 30 per cent by 2021. As of 2019, India holds the world's highest data usage per smartphone, averaging 9.8 GB per month. It is expected to double to 18 GB by 2024. As of May 2020, India had over 500 million active internet users (accessed Internet in the last one month). India holds the distinction of being the largest consumer of mobile data globally. Data consumption in the country has witnessed exponential growth over the course of the past few years. Total wireless data usage in India grew 5.5 per cent quarterly to

20,899,931 TB in Q3FY20. The contribution of 3G and 4G data usage in total volume of wireless data usage was 4.47 per cent and 94.82 per cent, respectively, in Q3FY20. Share of 2G data usage remained 0.71 per cent during the quarter.

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Indian telecom area's gross income declined from US\$ 40.29 billion in FY16 to US\$ 33.97 billion in FY19. Gross income of the telecom area remained at Rs 185,291 crore (US\$ 26.51 billion) in FY20 (April-December 2019). Indian telecom area's income is relied upon to grow seven percent in FY20 dependent on balancing out duty wars and expanded spending by end users because of least energize plans.

A flood in the supporter base has required system extension covering a more extensive zone, along these lines making a requirement for huge interest in telecom framework. To check cost and spotlight on center activities, telecom organizations have been isolating their pinnacle resources into independent organizations. For instance, Reliance Communications has chosen to finish an arrangement to sell its stake in Reliance Infra-tel. The estimation of the arrangement is around US\$ 3.68 billion. Creating separate pinnacle organizations has helped telecom organizations lower working cost and improve capital structure. This has likewise given an extra income stream. Inspired by the achievement seen by Indian parts in towers business, the greater part of the administrators around the globe are recreating the model.

NOTABLE TRENDS IN THE INDIAN TELECOM SECTOR

GREEN TELECOM

The green telecom idea is planned for diminishing carbon impression of the telecom business through lower vitality utilization. The Government of India's National Digital Communication Policy, which delivered in September 2018, imagined fortifying of portable pinnacle industry by advancing and boosting arrangement of sun oriented and environmentally friendly power vitality for telecom towers. The Government proposed a joint team between Ministry of New and Renewable Energy (MNRE) and Department of Telecommunication to advance green innovation in the division.

EXPANSION TO RURAL MARKET

Over 62,443 revealed towns in India will be given town phone office with appropriation support from the administration's Universal Service Obligation Fund (in this way expanding country tele-thickness). Broadband specialist co-op, Excite, plans to raise Rs 200 crore (US\$ 28.37 million) in subsidizing as it intends to extend FTTH (fiber to the home) sending on its system and build up nearness in 50 urban communities by December 2021.

EMERGENCE OF BWA TECHNOLOGIES

BWA technologies, such as WiMAX and LTE, is among the most recent and significant developments in wireless communication. Bharti Airtel VoLTE and Reliance Jio 4G services are live across all the 22 telecom circles since 2019. India is expected to be the second largest market in 5G services followed by China in the next 10 years.

INTERNET OF THINGS (IOT)

IOT is the concept of electronically interconnected and integrated machines, which can help in gathering and sharing data. The Indian Government is planning to develop 100 smart city projects where IOT will play a vital role in development of those cities. Reliance Jio has partnered with Samsung Electronics to set up a nationwide IOT network. Jio's IOT platform is ready to be commercially available in 2020.

CONSOLIDATION

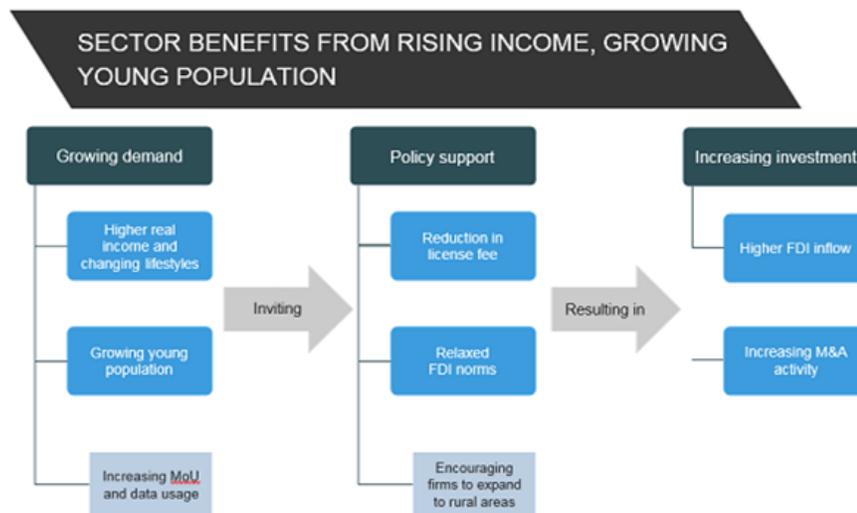
Vodafone India and Idea have merged into Vodafone idea. Vodafone Idea is unifying assets and aims to complete network integration by June 2020.

RISING INVESTMENTS

Between April 23 and July 16, 2020, Jio Platforms Ltd. sold 25.24 per cent stake worth Rs 1.52 trillion (US\$ 21.57 billion) to various global investors in separate deals involving Facebook, Silver Lake, Vista, General Atlantic, Mubadala, Abu Dhabi Investment Authority (ADIA), TPG Capital, L. Catterton, Public Investment Fund (PIF), Intel Capital, Qualcomm Ventures and Google. This is the largest continuous fundraise by any company in the world. In April 2020, Vodafone Group Plc infused Rs 1,530 crore (US\$ 217.05 million) in Vodafone Idea as accelerated payment to help it manage its operations.

MOBILE BANKING

Department of Posts launched mobile banking for its saving account customers. By October 2019, the number of mobile wallet transactions stood at 3.59 billion. As of January 2020, more than 542 banks have been permitted to provide mobile banking services in India.



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