

SURVEY ON RELIANCE JIO

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ABSTRACT:

In a developing INDIA first 4G network is launched by Reliance. The 4G services were launched internally to Jio's partners, its staff and their families on 27 December 2015. The company commercially launched its services on 5 September 2016. Reliance Jio Smart Coverage map offers you a quick way to check Jio 4G network coverage in your area. It offers Jio's signal strength, quality of network and user verified layers for extra authenticity. According to Telecom Regulator Authority of India's MySpeed portal, Jio offers an average data speed of 15.04 Mbps, which accounts for the highest rank when compared to other telecom networks. These details available at the MySpeed portal shows Reliance Jio to be the fastest 4G network, followed by Idea, Airtel, Vodafone, Reliance, Tata Docomo, BSNL, Aircel, and the last position in the list is taken over by MTNL.

Keywords: Reliance network, 4G.

1. INTRODUCTION

Reliance JioInfocomm Limited, or Jio, is a LTE mobile network operator in India. It is a wholly owned subsidiary of Reliance Industries headquarter in Navi Mumbai, Maharashtra that provides wireless 4G LTE service network (without 2G/3G based services) and is the only 'VoLTE-only' (Voice over LTE) operator in the country which lacks legacy

network support of 2G and 3G, with coverage across all 22 telecom circles in India.

The services were first beta-launched to Jio's partners and employees on 27 December 2015 on the eve of 83rd birth anniversary of late Dhirubhai Ambani, founder of Reliance Industries, and later services were commercially launched on 5 September 2016.

The 4G services were launched internally to Jio's partners, its staff and their families on 27 December 2015. Bollywood actor Shah Rukh Khan, who is also the brand ambassador of Jio, kick started the launch event which took place in Reliance Corporate Park in Navi Mumbai, along with celebrities like musician A R Rahman, actors Ranbir Kapoor and Javed Jaffrey, and filmmaker Rajkumar Hirani. The closed event was witnessed by more than 35000 RIL employees some of whom were virtually connected from around 1000 locations including Dallas in the US.

1.1 COMMERCIAL LAUNCH

The company commercially launched its services on 5 September 2016. Within the first month of commercial operations, Jio announced that it had acquired 16 million subscribers. This is the fastest ramp-up by any mobile network operator anywhere in the world. Jio crossed 50 million subscriber mark in 83 days since its launch. Jio crossed 100 million subscribers on 22 February 2017.

1.2 JIO APPS

Jiosim card pouch as distributed by Reliance JioInfocomm In May 2016, Jio launched a bundle of multimedia apps on Google Play as part of its upcoming 4G services. While the apps are available to download for everyone, a user will require a Jio SIM card to use them. Additionally, most of the apps are in beta phase. Following is a list of the apps:

- MyJio - Manage Jio Account and Digital Services associated with it
- JioTV - A live TV channel service
- JioCinema - An online HD video library
- JioChat Messenger - An instant messaging app
- JioMusic - A music player
- Jio4GVoice (earlier JioJoin) - A VoLTE phone simulator
- JioMags - E-reader for magazines
- JioXpressNews - A news and magazine aggregator
- JioSecurity - Security app
- JioDrive - Cloud-based backup tool
- JioMoney Wallet - An online payments/wallet app
- JioSwitch - Transfer content

1.3 AFFORDABLE 4G PHONES

Reliance Jio has teamed up with Google to manufacture affordable 4G handsets. These phones will run exclusively on Jio network. The two companies are also working on developing a software for smart-TV services. Both are expected to launch in 2017.

1.4 JIOFI

Jio has also launched Wi-Fi routers by the name JioFi

1.5 JIO SPEED

According to Telecom Regulator Authority of India's MySpeed portal, Jio offers an average data

speed of 15.04 Mbps, which accounts for the highest rank when compared to other telecom networks. These details available at the MySpeed portal shows Reliance Jio to be the fastest 4G network, followed by Idea, Airtel, Vodafone, Reliance, Tata Docomo, BSNL, Aircel, and the last position in the list is taken over by MTNL. The graph illustrated below shows the same.

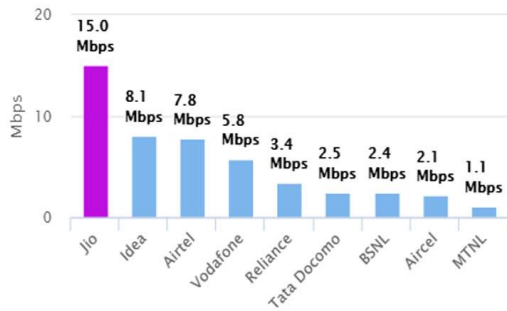


Figure 1: Reliance Jio speed comparison with other networks

	Reliance Jio Prime	Reliance Jio Prime	Airtel	Airtel	Vodafone	BSNL	Idea Cellular
Price	Rs. 99 + Rs. 303	Rs. 99 + Rs. 303	Rs. 345	Rs. 549	Rs. 346	Rs. 339	Rs. 348
Type	Prepaid	Postpaid	Prepaid	Prepaid	Prepaid	Prepaid	Prepaid
Bundled Data	28GB	30GB	28GB	28GB	28GB	56GB	28GB
Daily FUP	1GB	1GB	500MB Day + 500MB 12am to 6am	1GB	1GB	2GB	1GB
Validity	28 Days	1 Billing Cycle	28 Days	28 Days	28 Days	28 Days	28 Days

Table 1: Comparison of Reliance Jio with other networks

1.6 RELIANCE JIO COVERAGE MAP FEATURES

- Check Jio’s 4G network coverage, signal strength in an area.
- Check both Outdoor and Indoor network coverage
- Check JioWiFi Hotspot coverage.

- Jio network results from verified users.
- Can submit feedback about Jio network in an area.
- So how Reliance Jio Smart Coverage work? the service combines both measured coverage samples from its users and predicted coverage, which offers real user experienced coverage. It utilizes actual user measured network coverage sample in an area. So the result in Jio network map for an area is more accurate.
- The Reliance Jio Smart Coverage is still in beta stage and available only to register Jio customers on both mobile and desktop websites.

1.7 Affordable JIO for common people too

Reliance Jio doesn't aim just this but is working on improving the network even further. The telecom company was supposed to end its free service in February 28 2017, but didn't, instead introduced another special offer - Summer Surprise. Under this new offer, the existing free Reliance Jio users get another 15 days extra time, until April 15 to subscribe to Jio Prime subscription plan by recharging with Rs 99/year. The users will further have to avail Rs 303 tariff, after which the user will get 3 months complimentary service until July 31. Reliance Jio has extended its free services for 3 more months as Jio Summer Surprise offer. Users get this offer only if they become a Jio prime member and recharge any prime plan above Rs 303 before April 15.

1.8 Issue with incumbents

- In September 2016, the Telecom Regulatory Authority of India (TRAI) summoned Jio and the country's existing telecom operators like BhartiAirtel, Vodafone, and Idea Cellular to meet and discuss an issue regarding interconnection between the operators. This was a result after Jio complained to TRAI and Department of Telecom (DoT) about other operators not honoring their commercial agreements to let Jio use their network resources. The company further added that the operators are trying to sabotage its entry into the telecom scene. However, DoT dismissed the request and directed TRAI to help settle the dispute amicably. Moreover, the Cellular Operators Association of India (COAI) requested TRAI to include all the operators in the discussion instead of the three.
- The incumbent operators had previously approached the country's PMO to reiterate their stance they "are in no way obliged or in any position to entertain Jio's requests for interconnection points as they do not have either the network or the financial resources to terminate the latter's humongous volumes of potentially asymmetric voice traffic." Responding to this, MukeshAmbani, owner of Jio, said, "All operators have publicly said last week that they will provide

this (interconnect and MNP). So, we are waiting. These are all great companies. They have their own reputations to protect. I am confident they won't violate the law." Commenting about number portability, he added, "The number belongs to the consumer. No operator can cause trouble if they want to change operators." However, on 12 September 2016, Idea Cellular agreed to allow Jio to use 196 of its interconnection access points.

2. CONCLUSION

Conclusion is that Reliance Jio's network coverage is significantly ahead of the other operators. Reliance Jio has good coverage in 80% plus of cities surveyed, compared to less than 30% for the others. The difference is even more stark when compared only with 4G networks of incumbents (sub-15% of cities)," the latest report said.

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