

# JioGigaFiber

FTTH India 2018

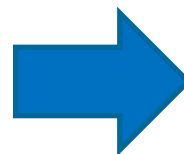
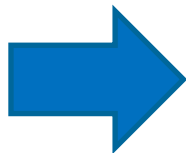


# Relevance of FTTX in Broadband driven Economy and Ease of business- Panel Discussion

1. Need to redefine broadband
2. Future readiness and global parity with high data traffic growth expected require significant investments
3. The bulk of investment lies in fiberizing the backhaul and high capacity microwave links which is also most critical for making data network



# FTTH Redefined



Typical Execution

Start rollout from High-Rise buildings/dense areas

Follow with Premier segment

Extend to rural area with wireless options

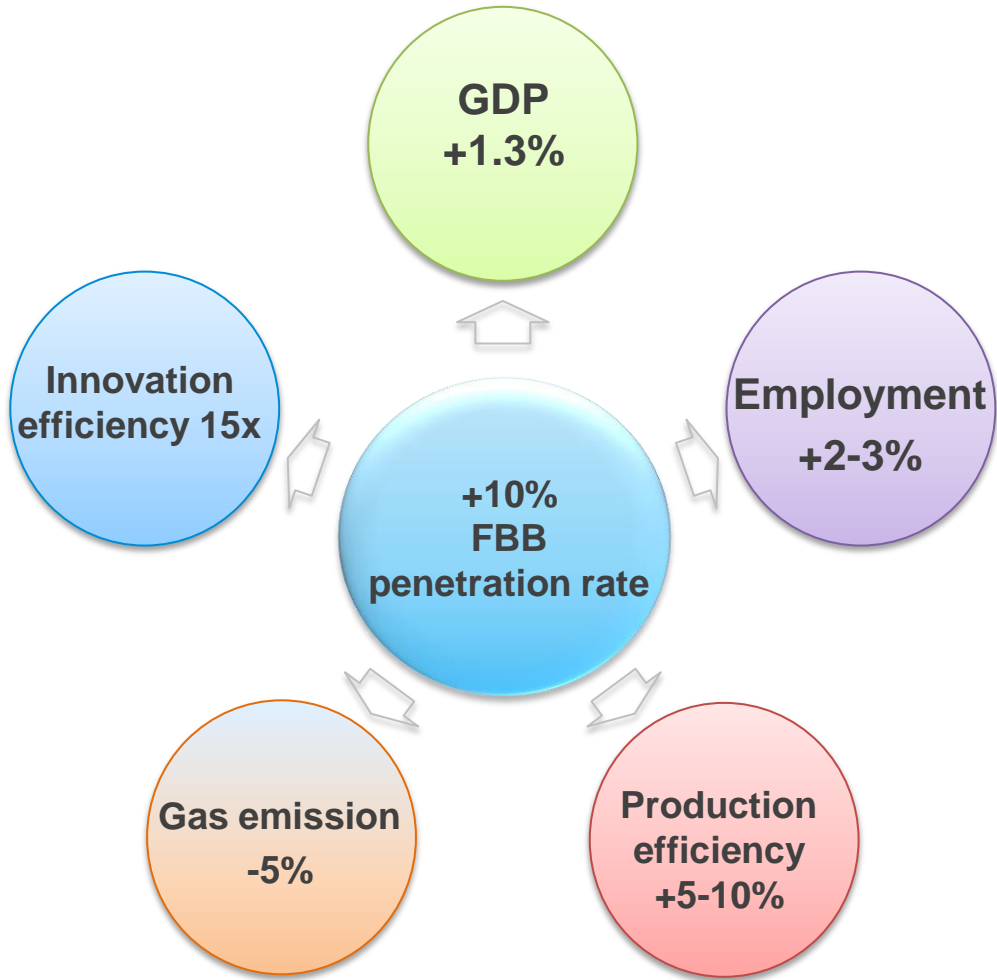


One Time deployment in area covering

- 1. High Rise
- 2. Premier segment
- 3. SDU/Row houses
- 4. Enterprise buildings
- 5. Street/IOT ..



# Broadband is the foundation of ICT enabled Nation



Source: Impact of broadband on the economy, ITU

## Vision: Connect 2020

<b>55%</b>	<b>90%</b>	<b>30%</b>	<b>5%</b> <sup>GNI/M</sup>
Household access to the Internet	Rural population covered by broadband	Gas emission decrease	Broadband cost upper threshold

<b>&gt;30</b> Mbps	<b>90%</b> Population	<b>&lt;5%</b> GNI per capita
<b>Ultrafast</b>	<b>Ubiquitous</b>	<b>Affordable</b>

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Countries with National Broadband Plans(NBPs)

# Global Parity: Digital Initiatives



- 1100 Cities fiber coverage
- 1 Gbps of Speed to Homes & Business
- India to reach among Top 5 Broadband connected countries



## ITU Broadband Target 2020



**55%** HH Internet access  
**60%** Internet individuals  
**90%** BB coverage in rural  
**<5%** of average monthly income

## Korea: 1G Broadband by 2020



### Giga Korea 2020

**10Gbps** (SKT)

**1Gbps** (100%)

## USA Redefine Broadband to +25M



### Gigabit City (2015)

*"I believe America should lead the world in broadband penetration-Obama"*

**100Mbps** (developed)

**25Mbps** (universal)

## EU promote 100M by 2025



### Digital Agenda

#### DAE 2020

**Fast BB @30M** (100%)

**Ultra BB @50M** (50%)

#### DSM 2025

**Ultra BB @100M** (100%)

## UK: 500M Super Fast Broadband



### Digital Britain

*"Universal Broadband Access is crucial for Britain's economy"*

**NGA1.0: FTTC @40/80M**

**NGA2.0: G fast @500M**

## China: 100M Fiber City



### China NBN 2020

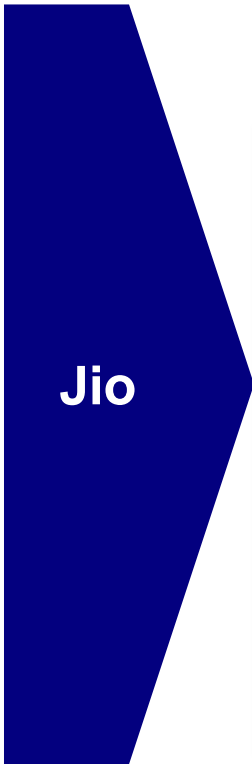
**1Gbps** (developed cities)

**100Mbps** (all cities)




**20Mbps** (universal)





# India Broadband Scenarios: Jio GigaFiber



### Widest Reach Anytime Anywhere

- PAN India 
- 1100+ Cities 
- 8000+ Census towns 

### Future Ready Next Gen Network

- All IP Network 
- Largest 100G core network
- PAN India Fibre NW- 250,000 km and Last Mile 5X- 1.25 Km
- 100,000+ Fibre PoPs 
- Domestic direct Peering and cache
- Global POPs in large exchanges

### Closer to Customer Service Capability

- 1000+ Jio Centres 
- Highly distributed local presence for Field Construction, Sales, Service Delivery and Assisted care (10X compared to Competitors)
- Integrated & Dedicated NOC support
- Best in class SLA 

### Digital Platforms and Self Care Empowerment

- E2E Digital Platform for concurrent execution and management across geographies 
- End to End Performance View of Services (Dash Board)
- Online ticket generation and support
- Bill & Pay online for all field activities and services



- Limited to Major Cities (<100)

- Copper and Coaxial last mile
- Limited Bandwidth
- Less Caching

- Negligible direct presence in locations other than top cities

- Largely people dependent and inconsistent

Thanks

FTTH India 2018

