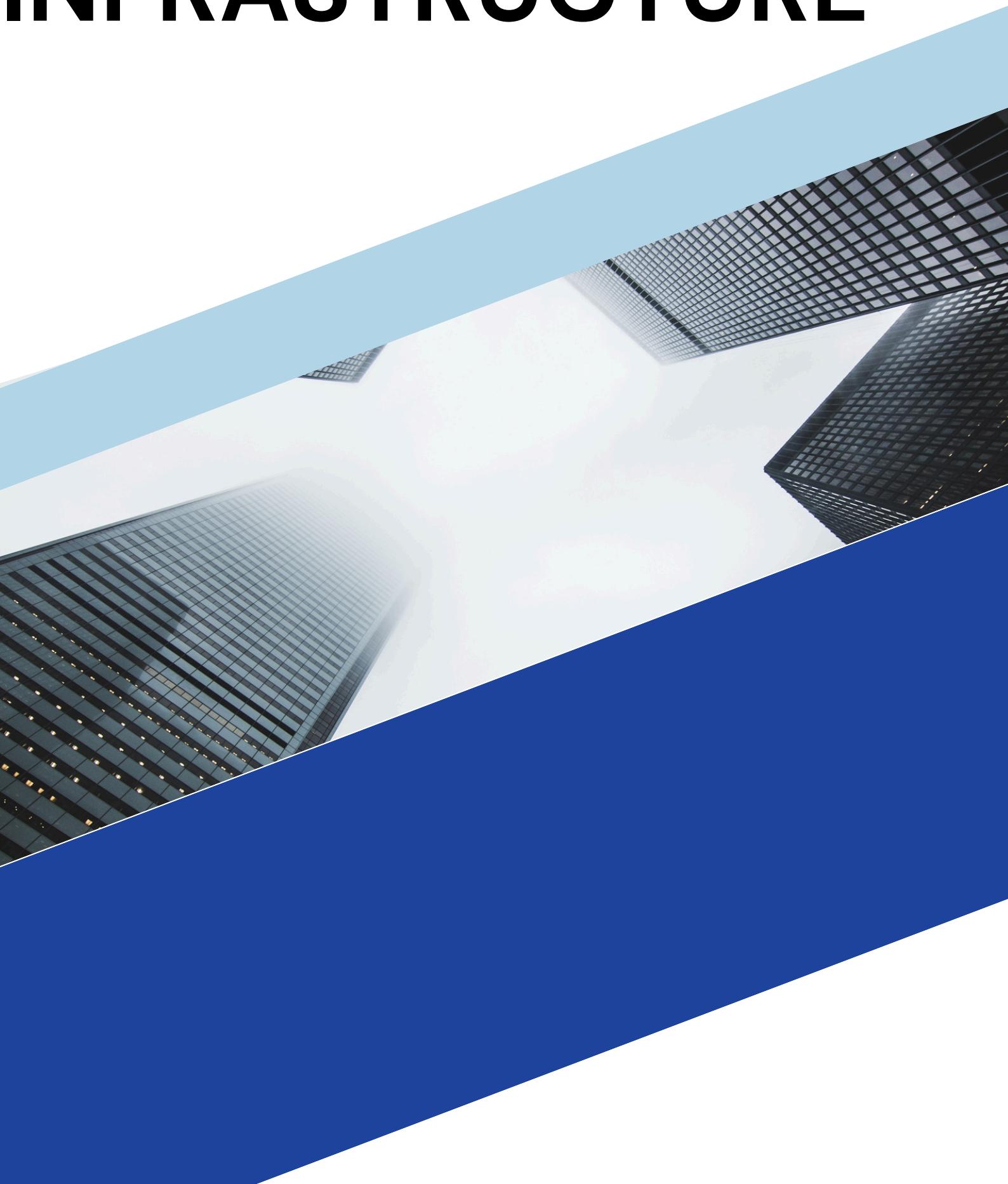


JANUARY 2025

INFRASTRUCTURE



Introduction

- **Infrastructure is the foundation or framework that supports a system or organization.**
- **It can also refer to the resources required for an activity, such as people, buildings, or equipment.**

History

India's infrastructure history is marked by several phases, including:

- **Early 1990s**

Economic liberalization aimed to boost growth, but poor infrastructure became a bottleneck.

- **Late 1990s**

The government recognized the need for change and increased infrastructure spending became a key economic strategy.

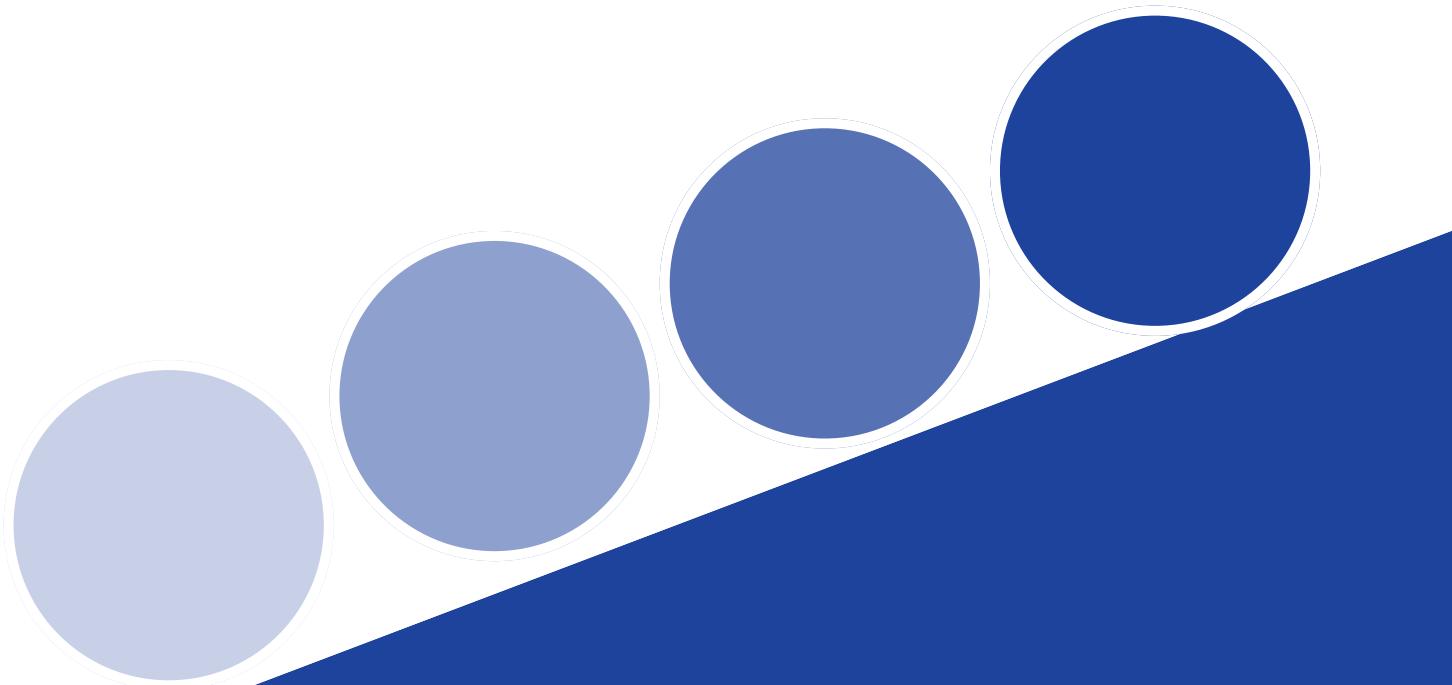
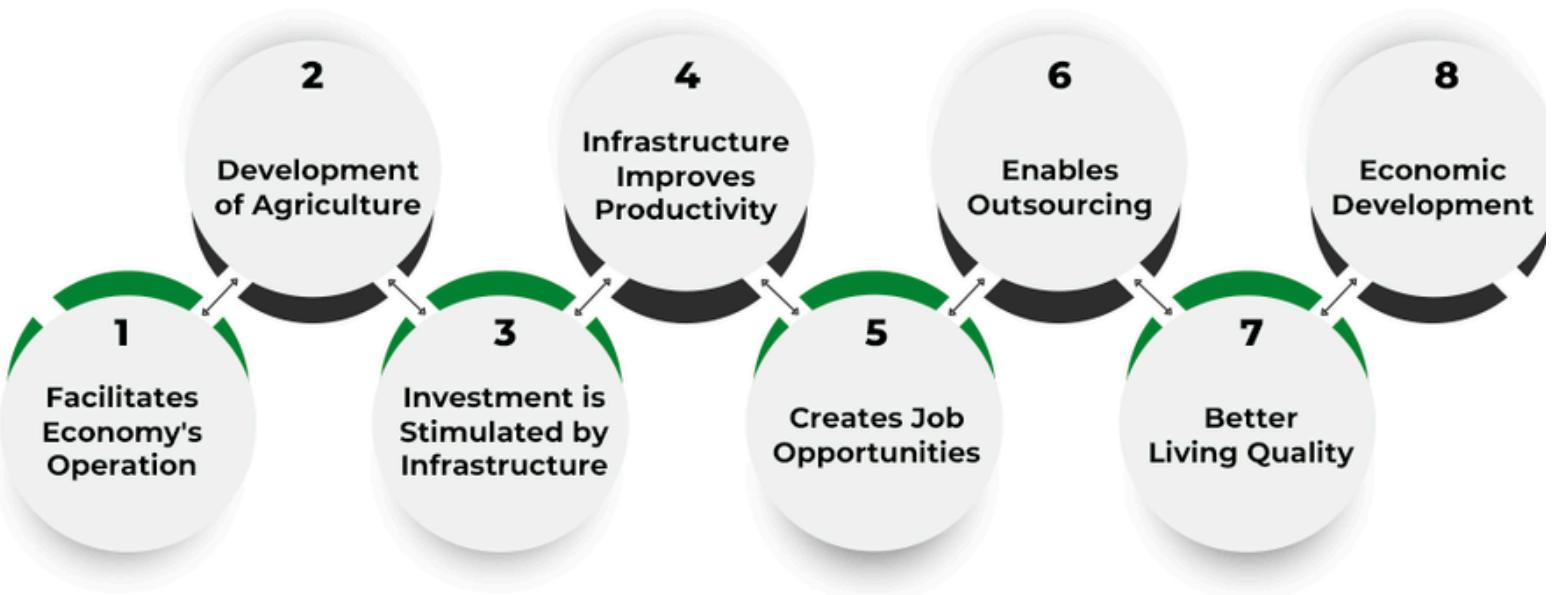
- **Present**

India has significantly pushed infrastructure development, focusing on improving national connectivity. Some recent projects include the Delhi Mumbai expressway, the Bengaluru-Mysuru expressway, and the Agra-Lucknow expressway.

Importance of Infrastructure



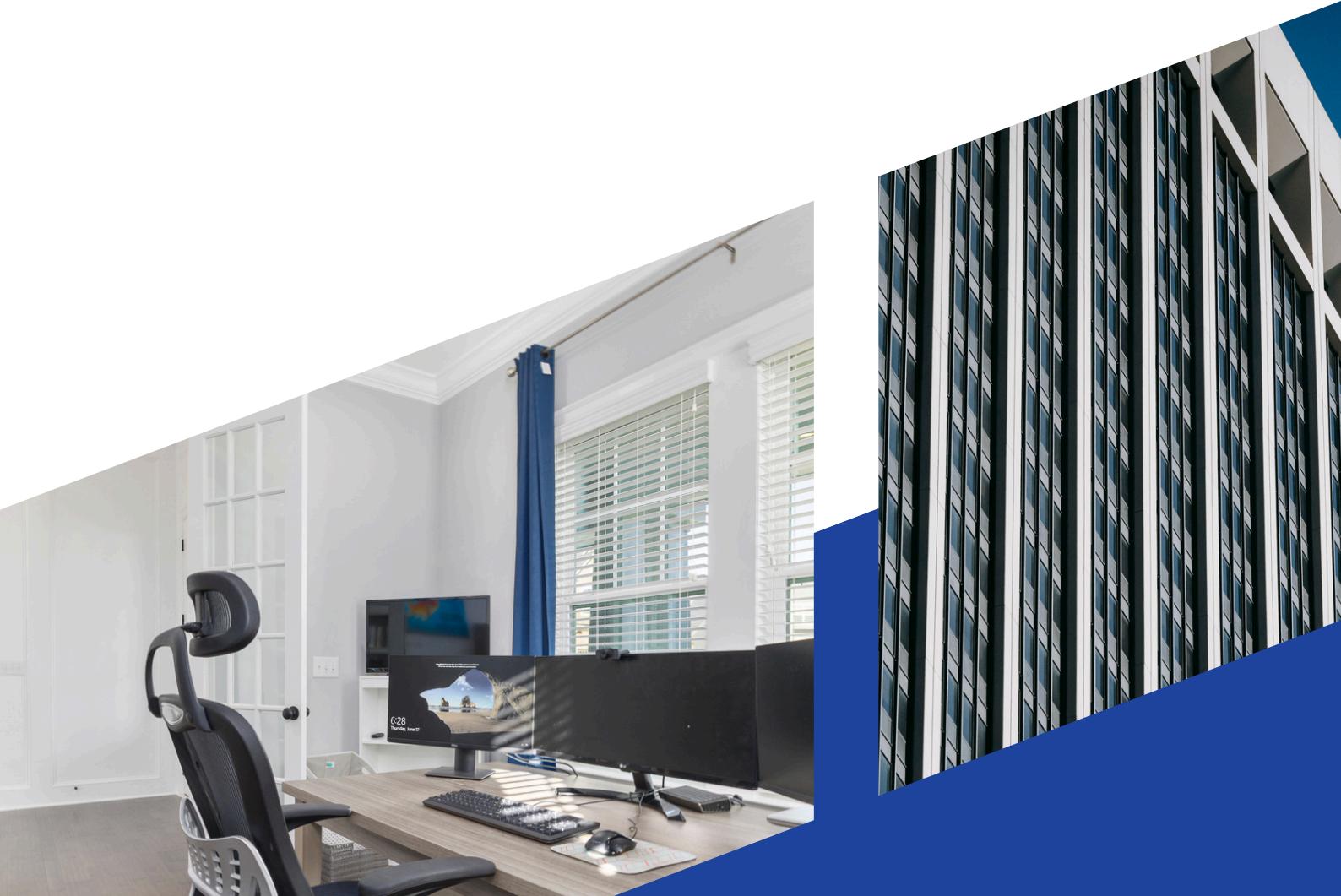
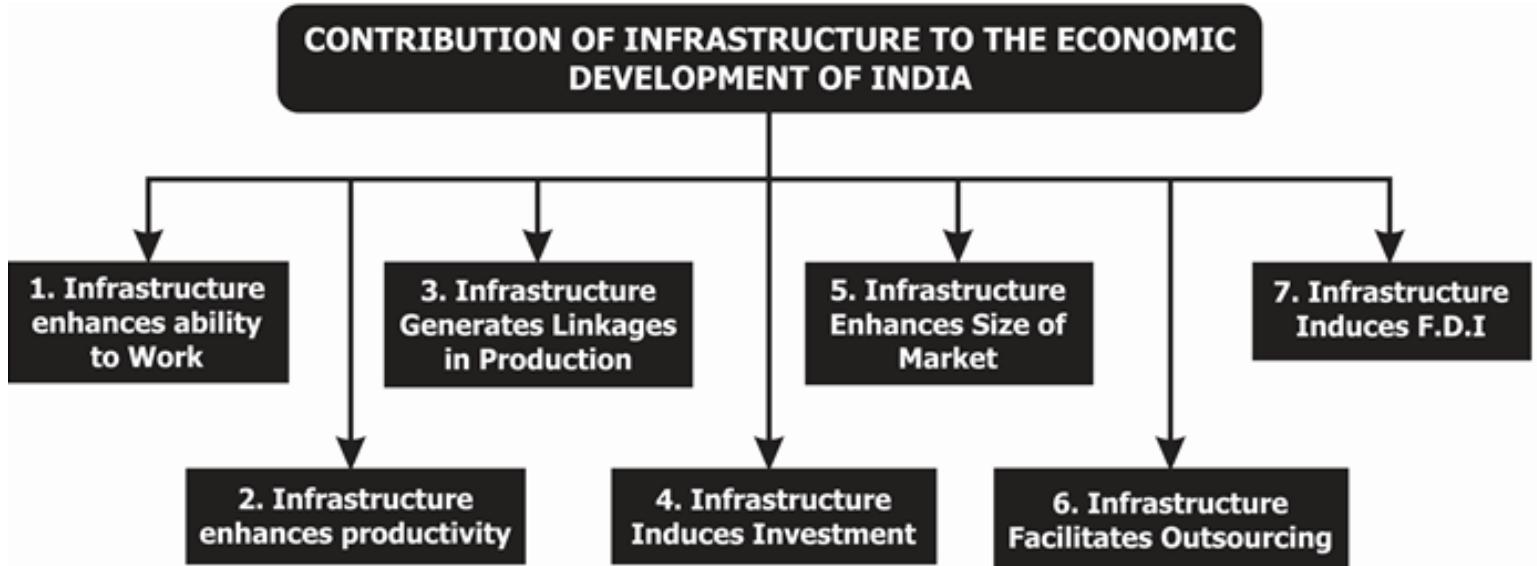
Importance of Infrastructure



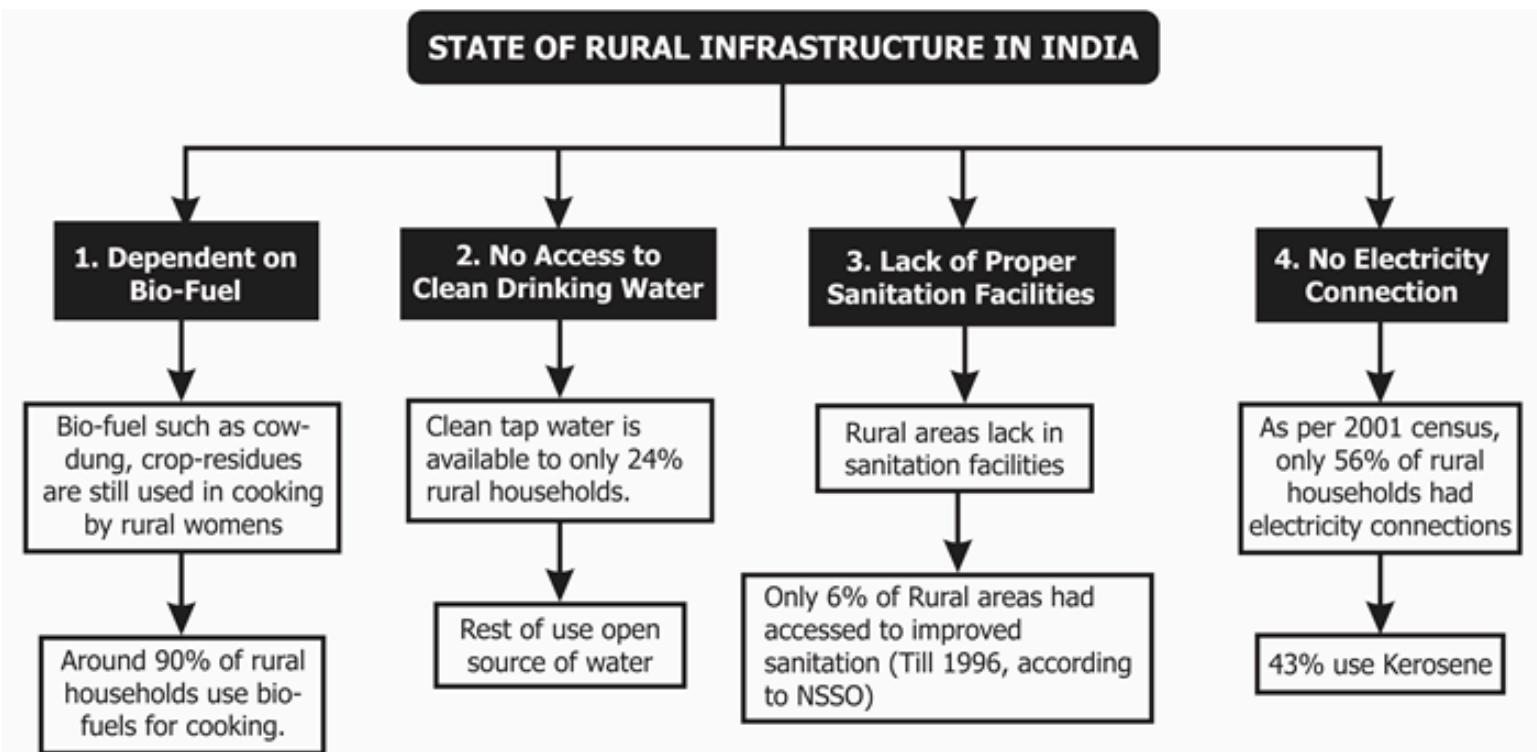
Here are some examples of infrastructure:

- **Transportation:** Roadways, railways, airports, public transit, and more.
- **Communication:** Broadband access, internet connectivity, telephone lines, satellites, and more.
- **Water:** Water pipelines, wells, dams, gutters, and pumping stations.
- **Waste management:** Landfills, trash collection, sewer systems, and recycling facilities.
- **IT:** Physical and virtual resources that support the flow, storage, processing, and analysis of data.

Infrastructure Development in India



Rural Infrastructure in India



Why is social infrastructure important for the economy ?

Social infrastructure is important for the economy because it improves human productivity and efficiency by providing facilities for education, health, housing, etc.



Top-ranked countries for infrastructure in 2024:

The Global Infrastructure Index 2024 ranks countries based on various infrastructure metrics, including transportation, energy, and overall development.

- **Switzerland** – With an overall score of 88.4, Switzerland leads in infrastructure quality, particularly in transportation and technological infrastructure.
- **Denmark** – Scoring 84.3, Denmark maintains a strong position with excellent health and environmental infrastructure.
- **Sweden** – Sweden ranks third with a score of 81.8, showcasing robust transportation and educational infrastructure.
- **United States** – The U.S. comes in fourth with a score of 5.9, focusing heavily on transportation systems.
- **Canada** – Canada follows closely with a score of 5.7, emphasizing efficient infrastructure planning

India Infrastructure

- India currently ranks 38th in the World Bank's Logistics Performance Index for infrastructure development, reflecting ongoing challenges and opportunities in the sector.
- The country is actively working to enhance its infrastructure through significant government initiatives and investments.

Infrastructure industry in india

- India's infrastructure industry is expected to grow from **USD 204.06 billion in 2024 to USD 322.27 billion by 2029,**
- with a compound annual growth rate (CAGR) of **9.57%**

Key Infrastructure Developments in India:

- **Railways:**
- India is progressing with its first bullet train project, expected to be completed by 2026. As of late 2023, about 93.83% of broad-gauge tracks have been electrified.
- **Investment Initiatives:**
- – The National Infrastructure Pipeline (NIP) aims for an investment of ₹111 trillion (approximately \$1.5 trillion) from 2020 to 2025, focusing on roads, railways, renewable energy, affordable housing, and irrigation.
- **Public-Private Partnerships (PPP):**
- – The government is leveraging PPPs to accelerate infrastructure projects across various sectors, including airports and logistics parks
- **Roads and Highways:**
- The road network has nearly tripled since 2000, reaching approximately 146,000 km, with a focus on modern expressways and rural connectivity. The government has constructed 3.74 lakh km of rural roads, ensuring over 99% of rural habitations are accessible.

Here are some other recent developments in India's infrastructure sector

- **Budget 2023-24**

The capital investment outlay for infrastructure was increased by 33% to US\$122 billion.

- **Logistics market**

India's logistics market is estimated to reach US\$556.97 billion by 2027.

- **Real estate market**

In the second quarter of 2024, India's real estate market saw a surge in investments, attracting US\$2.77 billion.

- **Cloud infrastructure**

The India Cloud Infrastructure as a service Market is expected to reach US\$80.54 billion by 2029.

Some of the main components of India's infrastructure sector

include:

electricity, roads, telecommunications, railroads, irrigation, water supply and sanitation, ports, airports, warehousing facilities, and oil and gas pipelines.

Some of the major companies in India's infrastructure sector include:

- Larsen & Toubro Limited**

One of the oldest and most established infrastructure companies in India, with interests in construction, metro rail, and roads. L&T is considered the top construction company in India.

- IRB Infrastructure Developers Limited**

A company that specializes in building and developing infrastructure, with expertise in the road and highway industry. IRB also works in real estate, construction, airport development, and road maintenance.

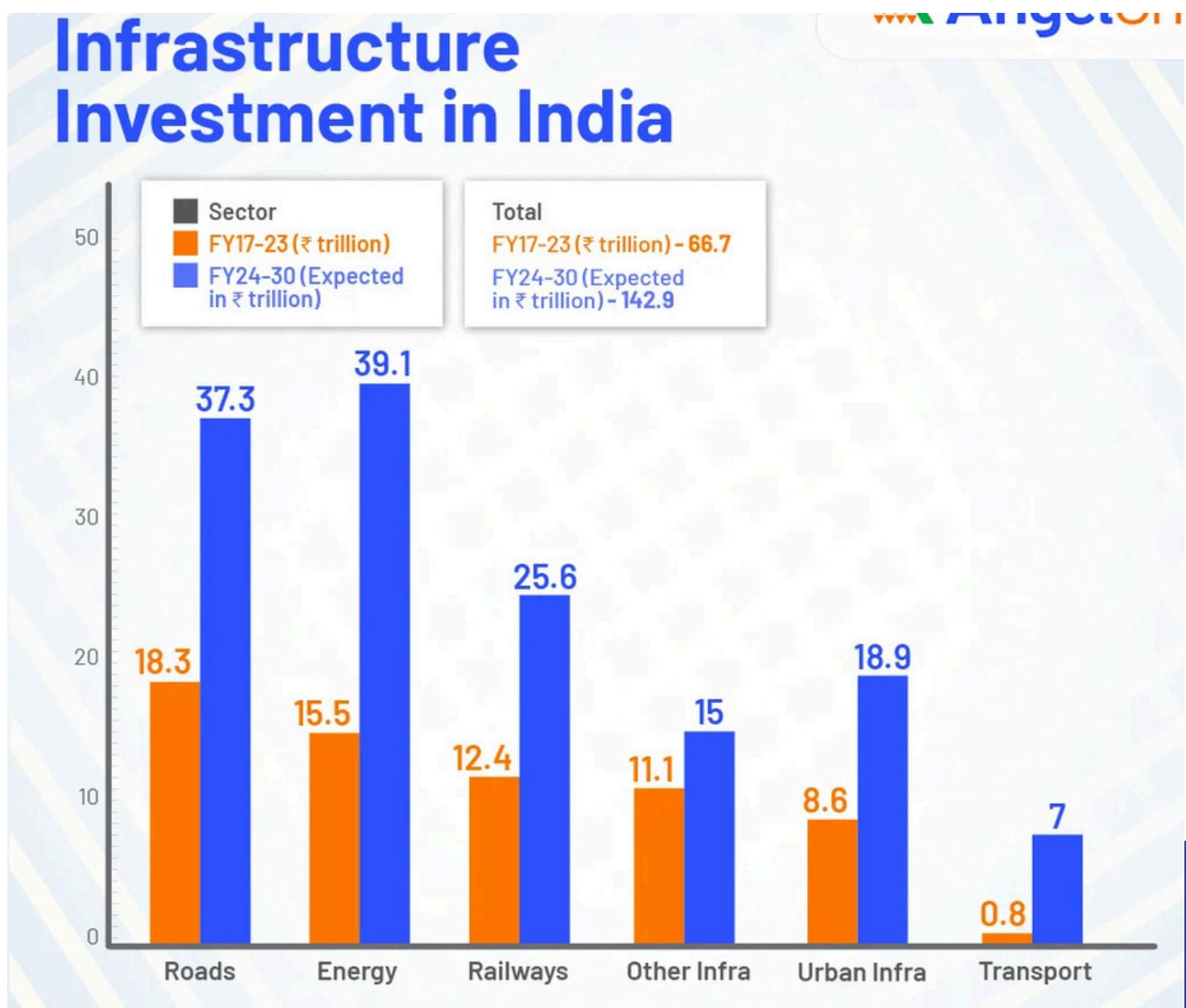
Other major companies in India's infrastructure sector include: –

Tata Projects Ltd, Hindustan Construction Co. Ltd, Simplex Infrastructures Ltd, and Jaiprakash Associates Ltd.

India's Infrastructure Journey to 2024

Growth and Beyond – Angel One

- In June 2022, the Minister of Road Transport and Highways opened 15 national highway projects worth ₹13,585 crore (US\$1.7 billion) in Patna and Hajipur, Bihar. In March 2024, Prime Minister Mr Narendra Modi inaugurated multiple connectivity projects in Kolkata, totaling US\$ 1.8 billion.





**THANK
YOU**