



# Modern Technology

Engineering & Construction

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# Construction Industry Overview

- **Second largest contributor to the national GDP**
- **4.73 Cr human resources engaged**
- **100% FDI cleared**
- **Development agenda by all political parties**
- **7-8% projected growth due to increased demand**

# Telangana State

- **Irrigation Projects**
- **Water Grid**
- **Road Network in districts**
- **Regional Ring Road**
- **Hyderabad City Strategic road development project**
- **Two Bed Room Houses for Poor**

# Stakeholders Perspectives

- **State is eager to deliver the Projects during their term**
- **Citizens want Quality**
- **P.W.Ds depend on Contractors for delivery**
- **Builders/ Contractors have issues with procurement , finances and availability of Skilled resources**
- **Activists see a major threat to environment**

# Issues

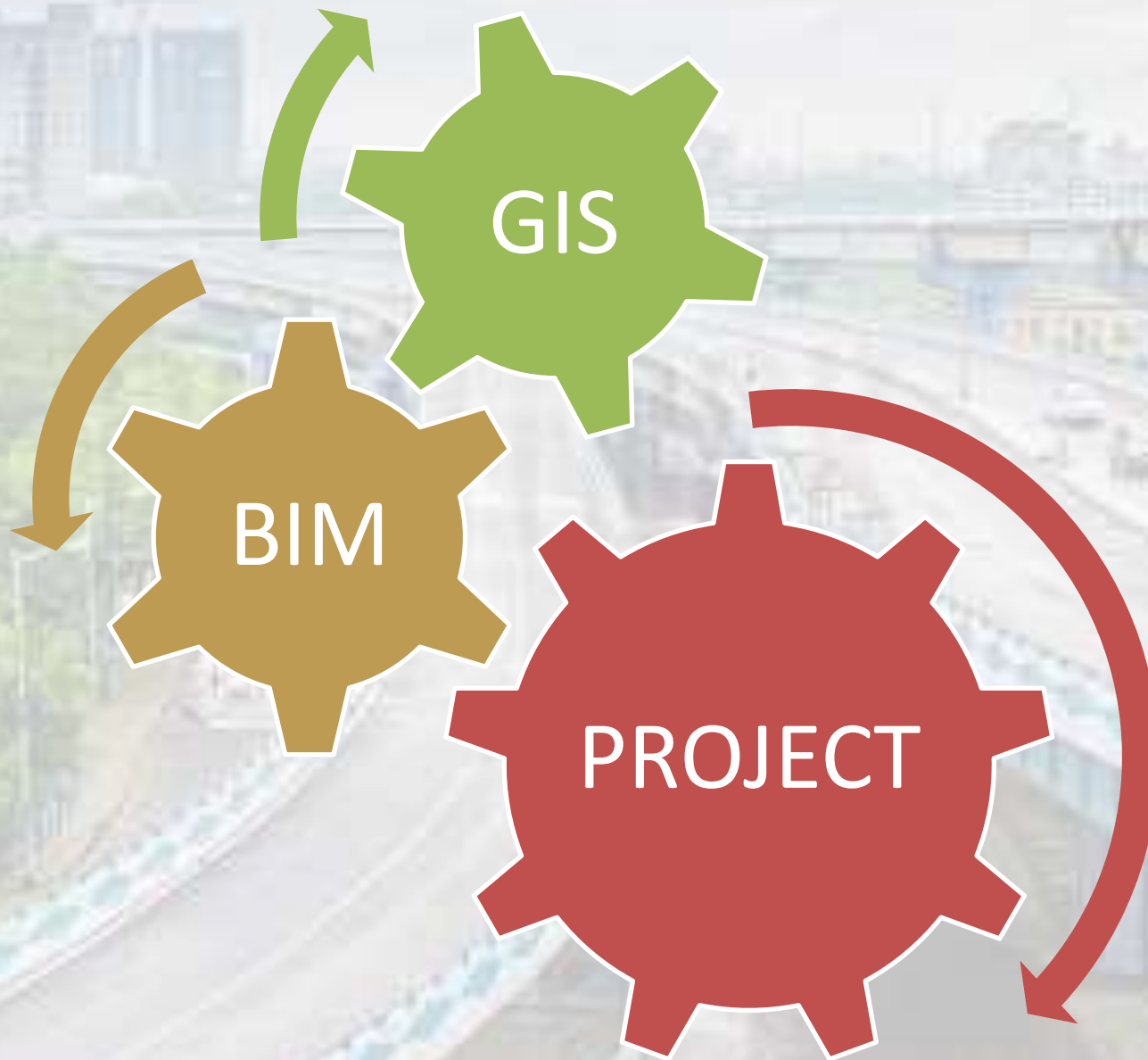


- **Time and Cost overruns**
- **Conventional construction methodologies are by and large adopted**
- **The Paris Declaration 2015 committed for low carbon infrastructure projects**
- **PWDs/ Agencies are slow to adopt innovative , modern, energy efficient technologies**
- **Lack of real time coordination among key players**
- **Tools for Quality and Progress monitoring are either absent or inadequate**
- **Low skill levels**

# Adopt Modern Technologies

- **Precast Construction**
- **Pre Engineered Buildings**
- **Energy Efficient materials**
- **Dry Construction methods**
- **Skill development**
- **IT tools for life cycle integration**
  - **Concept and Design**
  - **Execution**
  - **Monitoring**
  - **Operation & Maintenance**

# Way Forward





**Coordination  
on real time**