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
Coordination on real time