

# Project Planning & Control

## *Lesson 8*

### *Project Control Process, Daily Progress Report, Macro Level Update- Data Need, Standard Progress Reports*

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*Professor*

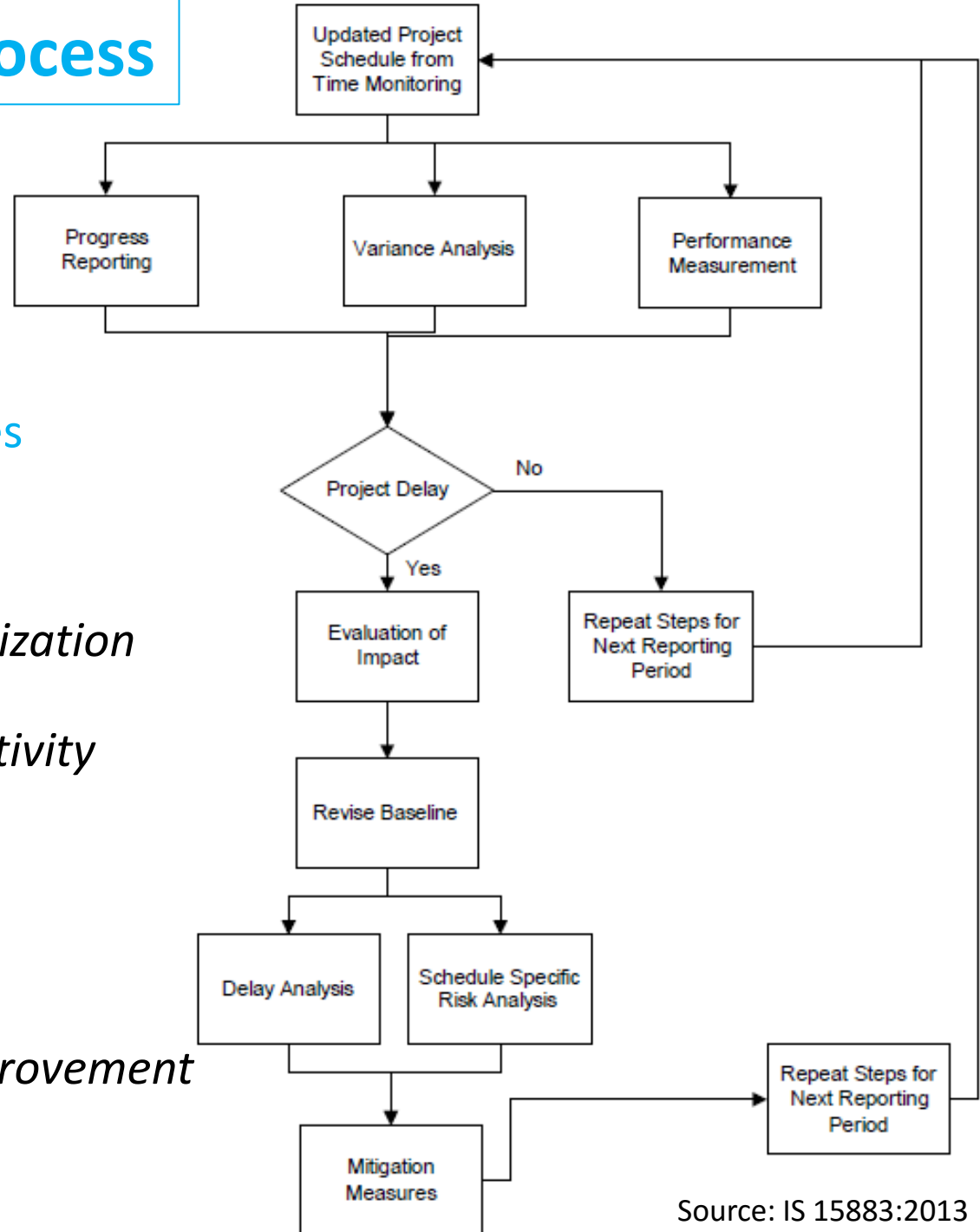
*Building Technology & Construction Management*

*Department of Civil Engineering*

*I.I.T. Madras*



# Project Control Process



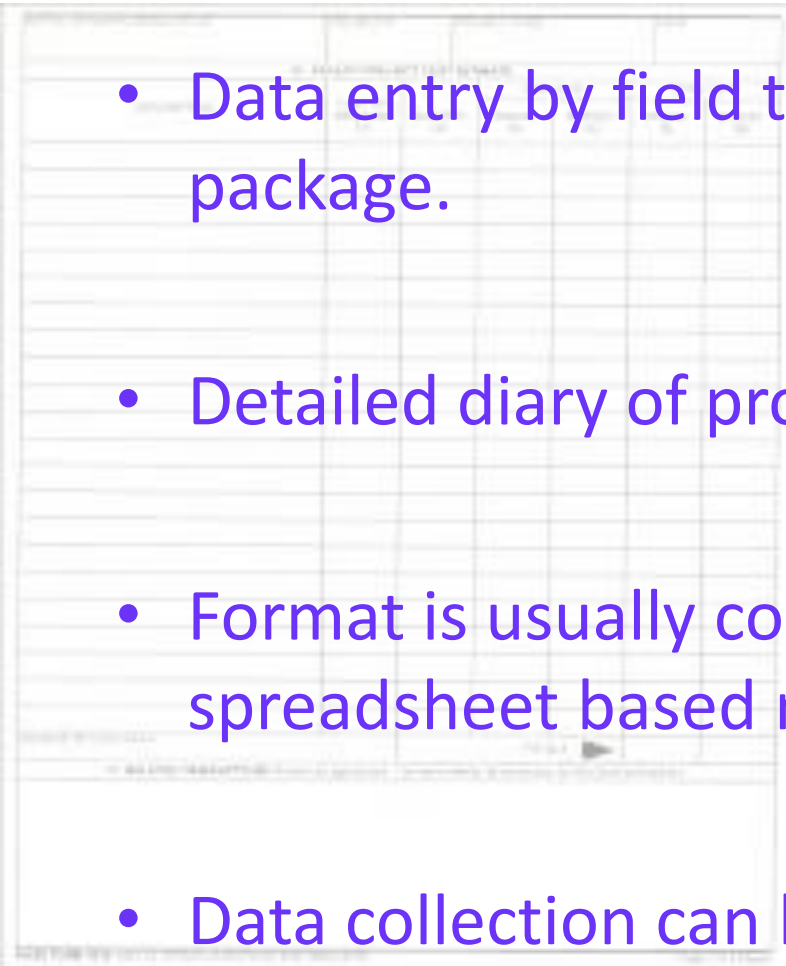
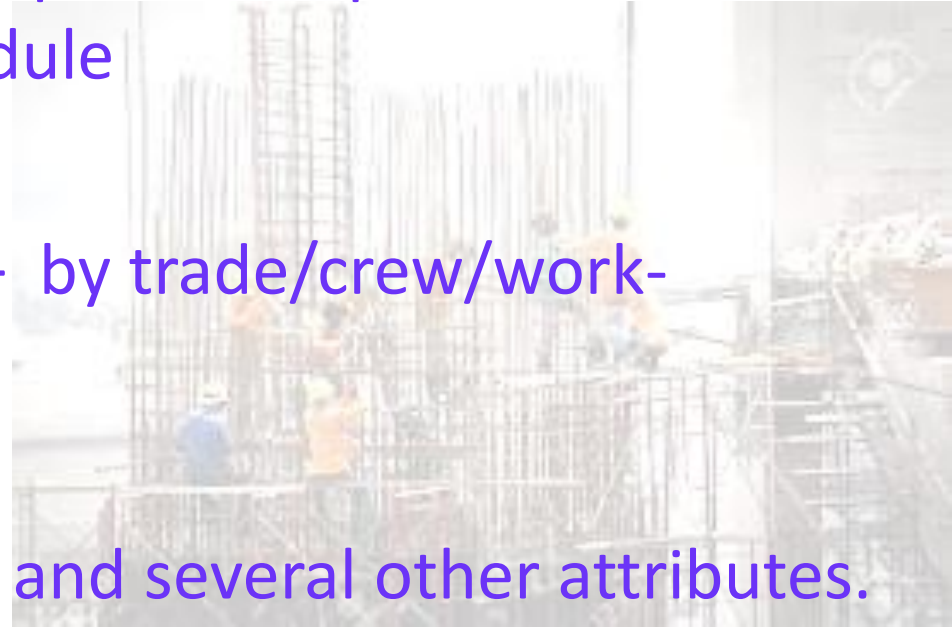
Source: IS 15883:2013

## Typical Mitigation Measures

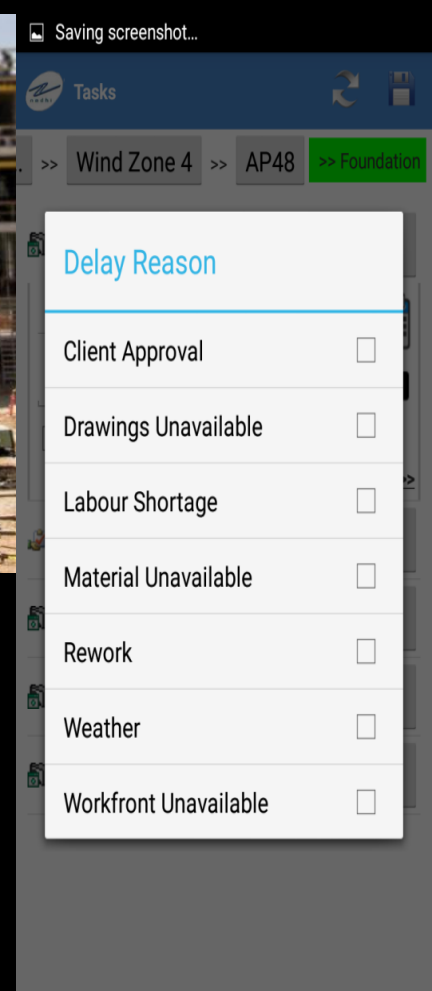
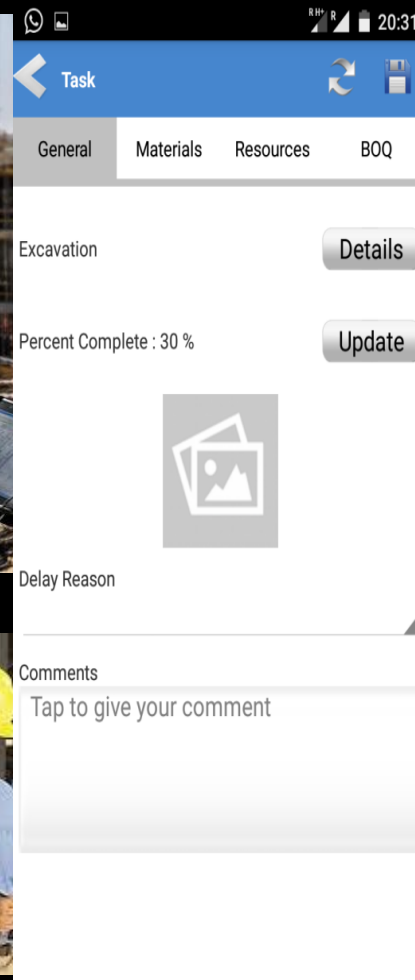
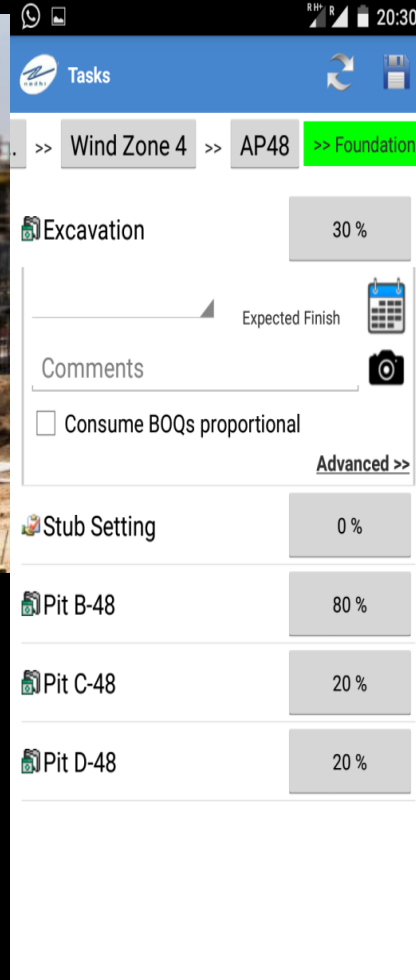
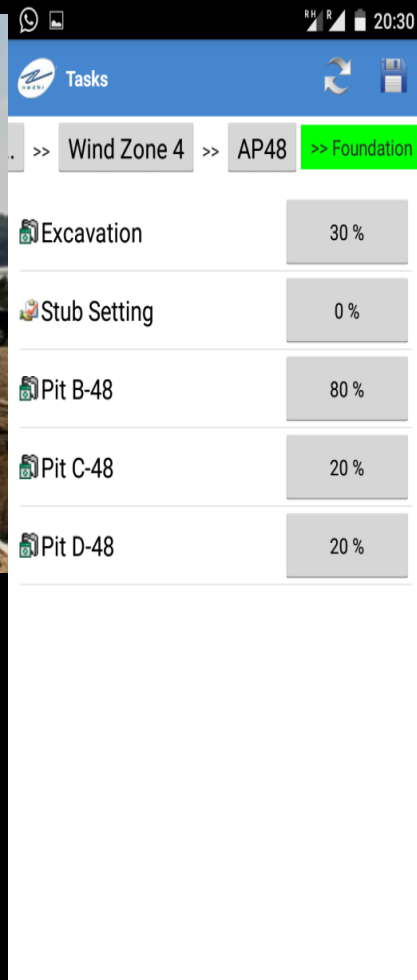
- *Parallel execution*
- *Increased resource mobilization*
- *Increased worker Productivity*  
*(better micro-planning)*
- *Mechanization*
- *Construction method Improvement*
- *Etc.....*

# Daily Progress Report

- Key input for monitoring – provides updated data from workforce for MICRO schedule
- Data entry by field team – by trade/crew/work-package.
- Detailed diary of progress and several other attributes.
- Format is usually company specific & typically spreadsheet based reports are generated.
- Data collection can be paper or in digital form.



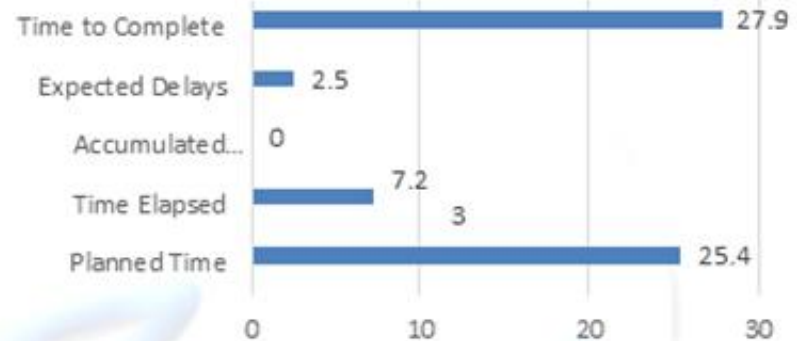
# Mobile Based Updates



# Project Monitoring – Project Level

Project Name	Name
Planned Construction Start Date	Feb-15
Actual Construction Start Date	Feb-15
BL Completion Date	Feb-17
Revised Completion Date	Feb-17
Review Date	Sep-15

Construction Outlook (Months)

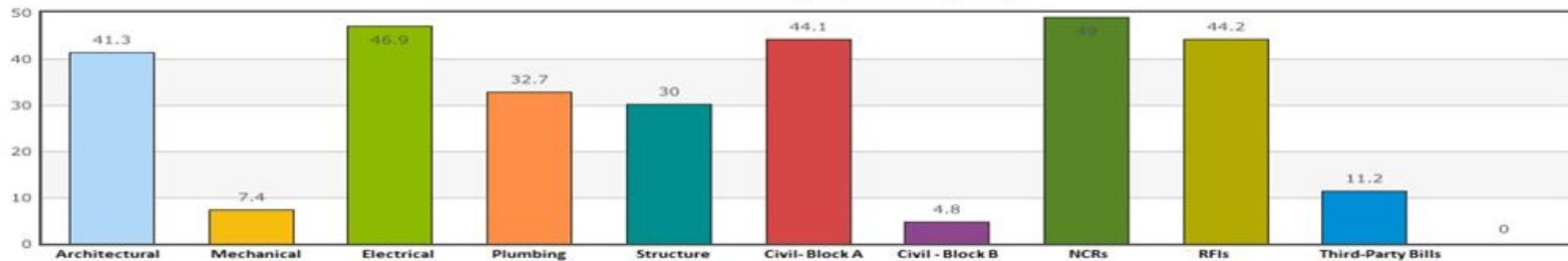


Towers	Construction Progress (till date)		Construction Progress (Last Month)	
	Planned	Actual	Planned	Actual
1A	26%	12%	25%	11%
1B	29%	11%	28%	10%
1C	29%	17%	28%	16%
2A	26%	14%	25%	13%
2B	26%	16%	25%	15%
2C	24%	12%	25%	11%
2D	23%	12%	25%	11%
External Works and Amenities	6%	1%	2%	0.0%

# Project Monitoring – Project Level

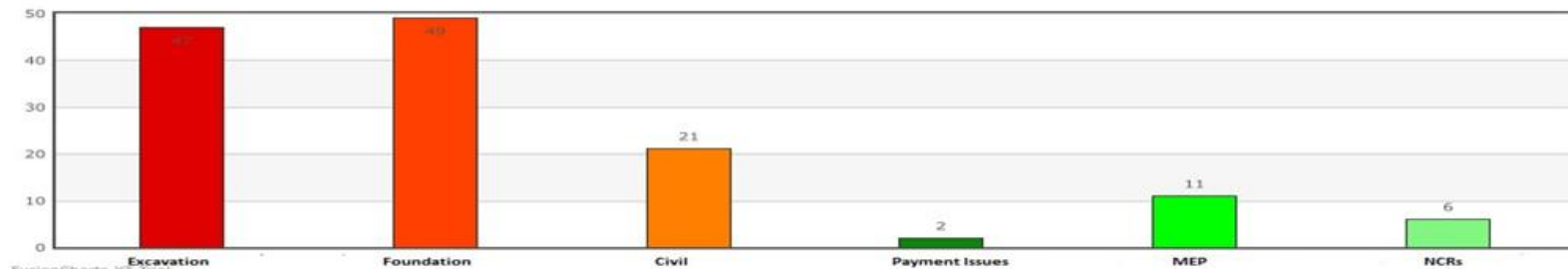
## Project Manager Overview Tab

Documents Pendency by Category



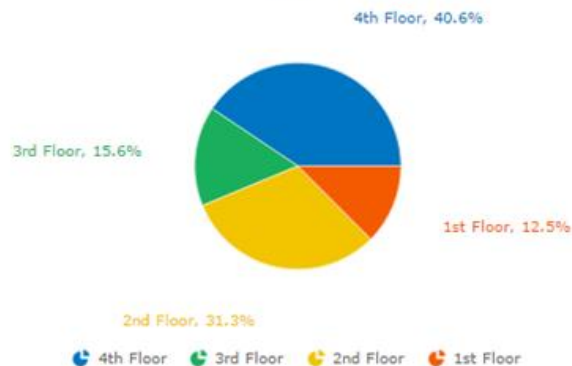
FusionCharts XT Trial

Issues Pendency by Category

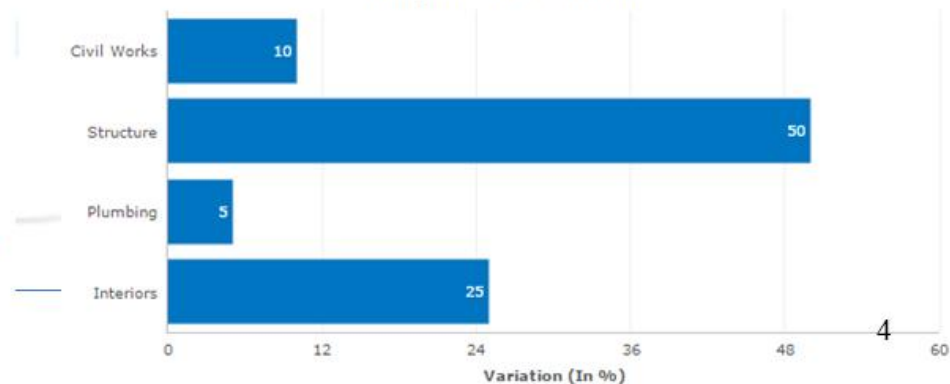


FusionCharts XT Trial

RFIs

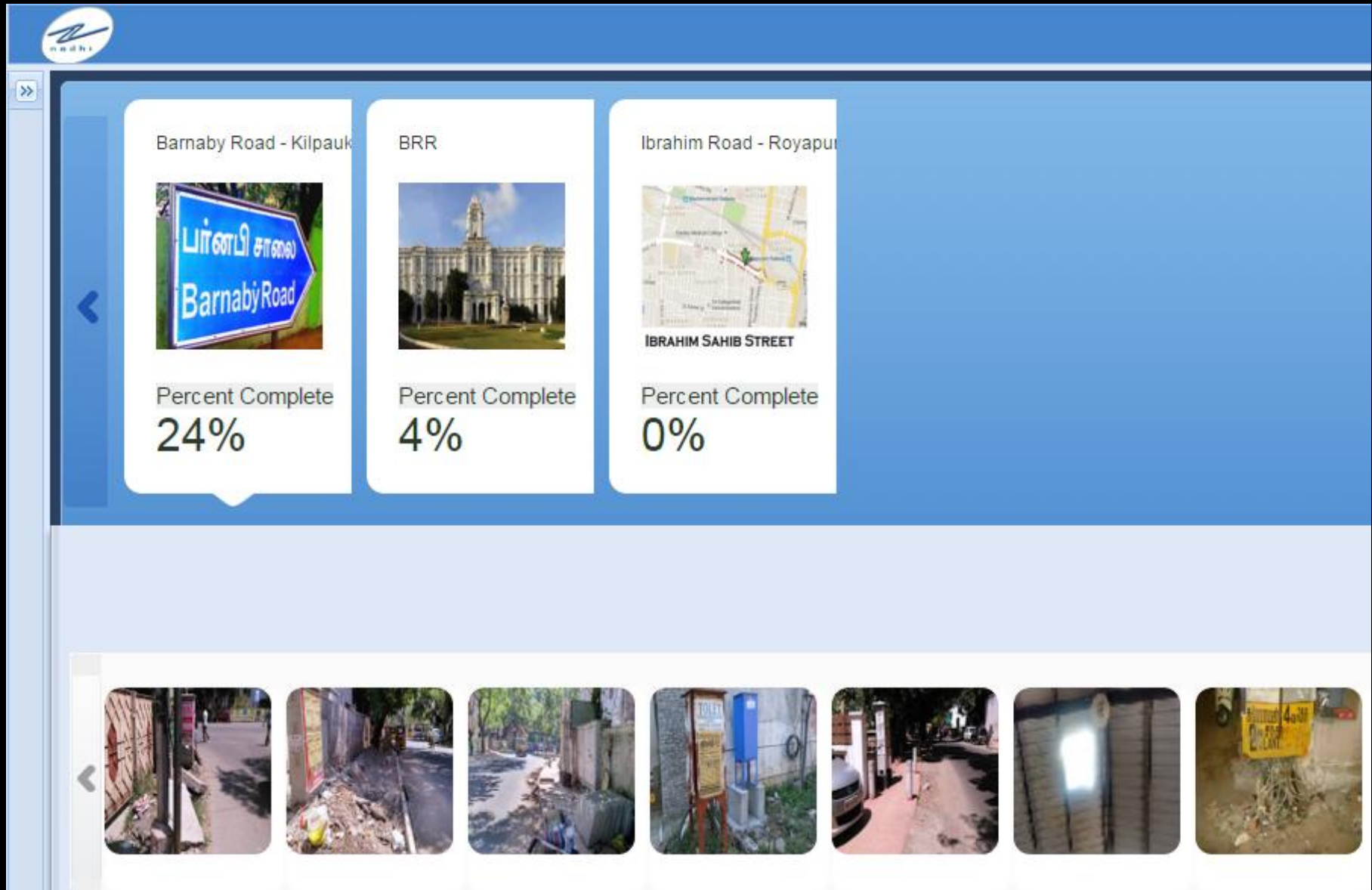


Budget vs PO Variation





# Project Monitoring - Regional Level



# Macro level Update- Data Needs

(each period)

- Activities Started & Start Date
- Activities Completed & Completion date
- Activities Ongoing - % Complete
- Actual Resources Deployed
- Actual Cost Incurred

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- Logic Changes in Network
- New Activities in Network Due to Changes



# Standard Progress Reports

(MS Project Professional 2016)

## Weekly Project Review Meetings

- Resource Allocation Plans
- Procurement Planning
- Design Issues
- Coordination between sub-contractors
- Updates to Client

