Lesson 8

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

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Project Control Process

Typical Mitigation Measures

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

Etc......

Source: IS 15883:2013
Daily Progress Report

• Key input for monitoring – provides updated data from workface 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

### Construction Outlook (Months)

- **Time to Complete**: 27.9 months
- **Expected Delays**: 2.5 months
- **Accumulated Delays**: 0 months
- **Time Elapsed**: 7.2 months
- **Planned Time**: 25.4 months

### Project Details

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned Construction Start Date</td>
<td>Feb-15</td>
</tr>
<tr>
<td>Actual Construction Start Date</td>
<td>Feb-15</td>
</tr>
<tr>
<td>BL Completion Date</td>
<td>Feb-17</td>
</tr>
<tr>
<td>Revised Completion Date</td>
<td>Feb-17</td>
</tr>
<tr>
<td>Review Date</td>
<td>Sep-15</td>
</tr>
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</table>

### Construction Progress

<table>
<thead>
<tr>
<th>Towers</th>
<th>Construction Progress (till date)</th>
<th>Construction Progress (Last Month)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Planned</td>
<td>Actual</td>
</tr>
<tr>
<td>1A</td>
<td>26%</td>
<td>12%</td>
</tr>
<tr>
<td>1B</td>
<td>29%</td>
<td>11%</td>
</tr>
<tr>
<td>1C</td>
<td>29%</td>
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<tr>
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<td>26%</td>
<td>16%</td>
</tr>
<tr>
<td>2C</td>
<td>24%</td>
<td>12%</td>
</tr>
<tr>
<td>2D</td>
<td>23%</td>
<td>12%</td>
</tr>
<tr>
<td>External Works and Amenities</td>
<td>6%</td>
<td>1%</td>
</tr>
</tbody>
</table>
Project Monitoring – Project Level

Project Manager Overview Tab

Documents Pendency by Category

Issues Pendency by Category

RFIs

3rd Floor, 15.6%
2nd Floor, 31.3%
1st Floor, 12.5%
4th Floor, 40.6%

Budget vs PO Variation

Civil Works 10
Structure 50
Plumbing 5
Interiors 25

Variation (In %)

4th Floor 3rd Floor 2nd Floor 1st Floor
Project Monitoring - Regional Level

- Barnaby Road - Kilpauk: 24%
- BRR: 4%
- Ibrahim Road - Royaputhur: 0%
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