

DRAFT

REPUBLIC OF INDIA

# Introduction of e-Tools in Management of Construction Projects

GUIDANCE NOTE FOR IMPLEMENTING AGENCIES

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## CASE STUDY 2

# Construction Monitoring System for Karnataka State Highway Improvement Program, India

**Background:** The Indian Construction Management System has developed a distinctive online project management platform called GPMS ([www.indiancst.in](http://www.indiancst.in)) in 2009 for program and project monitoring. A majority of the users are from the public sector.

### Features at a Glance

- ✓ Remote monitoring process for ongoing projects at multiple locations
- ✓ In-built escalation mechanism where superiors can quickly identify non-conformances and initiate interventions leading to prevention of delays and cost over runs
- ✓ Allows graphical information exchange including videos and photographs
- ✓ Conversion of unstructured data to structured data, while maintaining their integrity
- ✓ Real time communication and information sharing
- ✓ Accessibility from anytime, anywhere, any device

### System Outcome

- ✓ Improve monitoring and performance management of projects
- ✓ Acts as a useful decision support system based on information from the field
- ✓ Improve transparency and accountability of projects undertaken

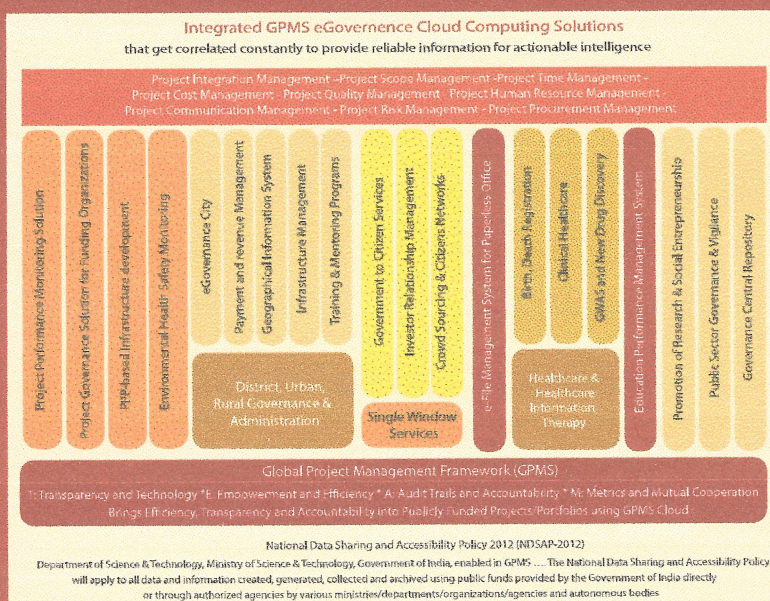
### Strategic Development Decisions

- ✓ GPMS is offered as a management tool that will introduce high-end technological platforms such as cloud computing and crowd sourcing.

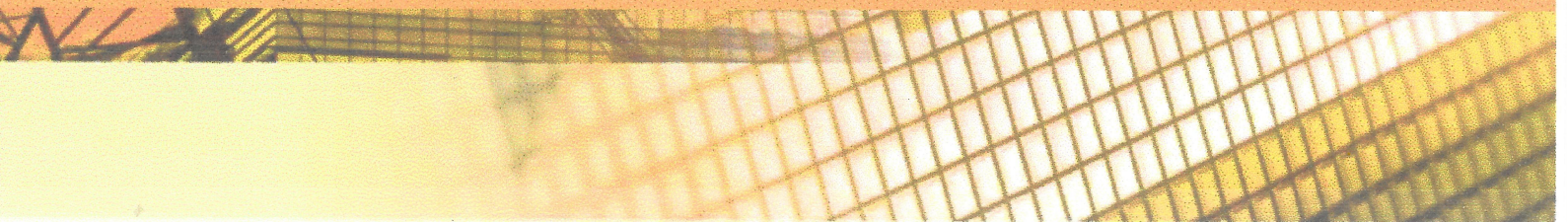
### Impact

- ✓ Used across a range of stakeholders including ministries, departments and district municipalities
- ✓ Transparency and accountability through field data capture
- ✓ Improve the efficacy of the delivery of projects and eliminate corruption

The core strength of the GPMS is the online availability of real-time data that get correlated constantly to provide reliable information and actionable intelligence. The GPMS-enabled remote monitoring process for ongoing projects at multiple locations leaves little scope for inefficiency or mishandling of projects and the funds associated with them, irrespective of the position in the government's administrative hierarchy.







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