Managing Urban Infrastructure Projects

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Managing Issues

- Internal
 - Project team
 - Time
 - Money
 - Contractors
 - Consultants
- External(beyond Project Director's administrative competence)
 - Land
 - Local bodies
 - Other departments

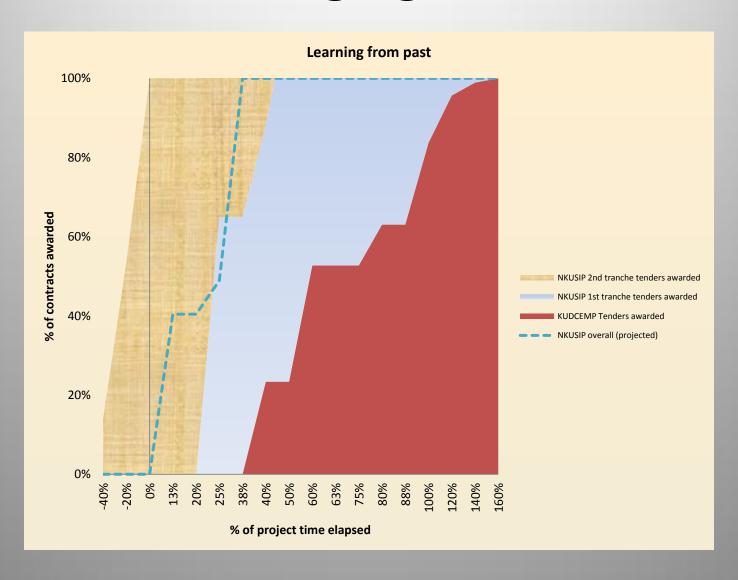
Managing Project Team

- Structuring Project
 - Need for sufficient depth
 - Effective delegation and clear accountability
 - Clarifying role vis-à-vis local bodies
- Capacity building
 - Technical
 - Contract management
- Involvement
 - Full technical responsibility
 - Cross learning
 - Open reviews
- Sustainability
 - documentation

Managing Time

- Robust information system
 - Status
 - Capture issues that impinge on projects
 - Pre-planning
- Reviews
 - Structured and Regular
 - Inspections
- Project Design
 - Flexible to compensate for delays and failures

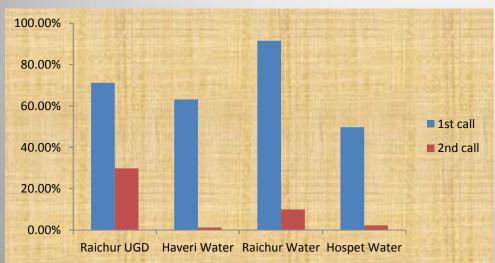
Managing Time

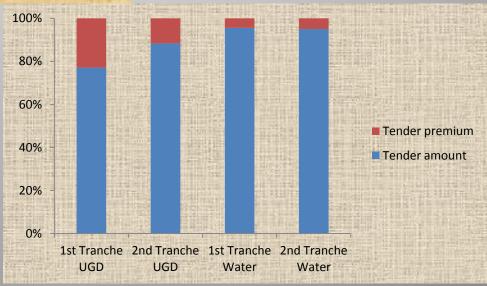


Managing Money

- DPRs
 - High level intense technical review
 - Accountability
 - Consultants penalize for unprofessional errors
 - Engineers
- Funding
 - Dovetailing schemes
- Bidding
 - Strong signals to discourage high premiums
 - Failure analysis and corrective action
- Effective cash management
 - Reduce surplus cash
 - Control time cycle for releases and payments

Managing Money





Managing Contractors

- Fundamental part of project team
 - Involvement of contractors in the monthly review meetings.
 - Strategic escalation of issues
- Predictability
 - Non-discretionary adherence to the contract conditions like work plans, milestones and liquidity damages.
- Accountability
 - Highly segregated, clear and recorded responsibility matrix
- Transparency
 - Fixed time limit for every stage of bill clearance
 - Web based on line procurement management system
 - Direct payment to the contractor's account through RTGS

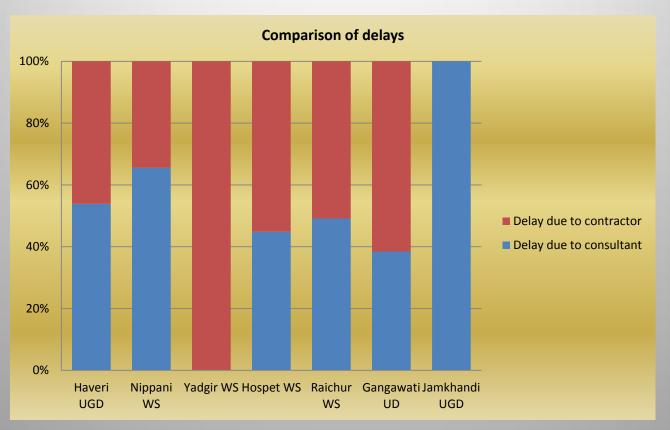
Managing Contractors

- Development of market
 - Contractors' conference
 - PQ conditions- UGD contracts and PSP contracts
- Encouraging performance
 - Inclusion of bonus clause (necessary safeguards needed)
- Contractors' capacity
 - Labor intensive technology for sewerage works
 - Ability to place technically qualified manpower in remote work locations
 - Poor top management capabilities- information, detailing, supervision systems, cash flows.

Managing Consultants

- Situation of scarcity
 - Frequent change of team leaders and other professionals
 - Inability to mobilize quality manpower at project places
- Poor systems of contract management
 - Weak hands-on professionals
 - Inadequate quality controls
 - High turn-around time
- Involvement
 - Starting point of any review
 - Encouraging supervisory levels to join reviews
 - Simplifying systems for bills clearances
 - Advance payment for deliverables pending verification
 - Penalty for non-professional errors and non-application

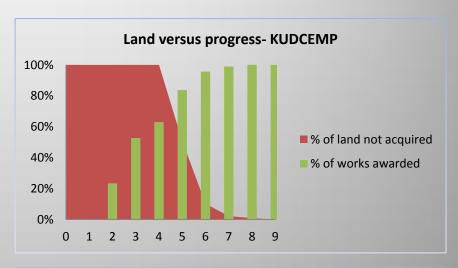
Managing Consultants

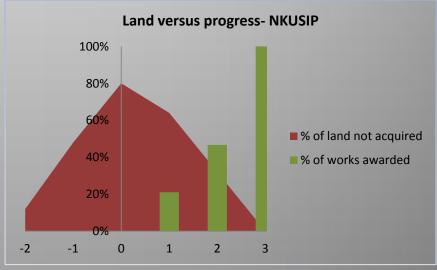


verage tenure of teamleader in is 8.5 months and that of deputy eamleader is 13.5 months. ach change is a beginning

Managing Land

- Requirement of land is assessed in all details before DPR stage and procurement process is initiated in parallel.
- Government lands are allotted before tender is called.
- Wherever private land is required, it is ensured that 6 (1) notification is issued before inviting the bids.
- Direct purchase of land has been permitted to hasten the process.
 All but one towns have gone for either direct purchase or consent award.





Managing Local bodies

- Empowerment and insistence on ownership
 - The Commissioner, ULB has to countersign the condition survey
 - The council approves the concept report, STP/WTP technology and the DPR
 - Commissioner is the employer; PIU works under him
- Transparency
 - Presentation on project status in monthly council meeting
 - PMU officers to meet local representatives in each visit

ime taken for approval of concept report
was 147 days
wo towns- ijapur and elgaum have taken 481
354 days respectively
thers average 50 days

ocal bodies have taken initiative to meet shortage of funds by providing

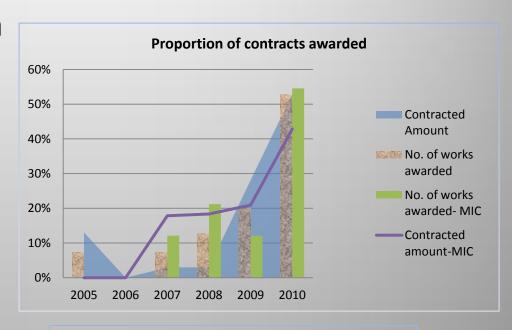
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Managing other departments

- Requirements of clearances from various departments is identified at DPR stage itself and advance action is taken to obtain the clearances from line agencies.
- Intensive follow-up
- Absence of any ownership by the other departments
- Lack of objective, time-bound and transparent systems for clearances

Transforming a Problematic Project- KMRP

- Lack of compensation for delays
- Lack of depth of PMU and weak field level supervision
- 54% of project is with agencies where there is a hierarchical conflict vis-à-vis Project Director
- Urban mapping component



W component of \xperience of analyzing failures and intensive monitoring

rban appi ng component - syst emi c approach 25 revi ew meet i ngs i n 30 mont hs echni cal advi sor y commit t ee anual preparat i on

PSP contracting

- Challenges
 - Ideological
 - Vested interests- threat to domain
 - Lack of correct risk perception
 - Due to long period of contract
 - Understanding need for its clear allocation
 - Performance requirement
 - Lack of standard bidding processes
 - Weak market of suppliers
 - Funding viability gap
 - Absence of regulator

Thank You