“Action for Speedy Project Implementation”

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• Action prior to identification of specific works
• Action after identification of Work
• Action after award of work
• Action after completion of work
Prior to specific identification of works

- Population data with spatial distribution and growth pattern
- General City/Town Information and Geographical Details
- Procurement of digitized maps, Master Plan, City Map, Land Use Plan
- Data of existing infra including as built drawings of previously executed projects;
- Sewerage and Sanitation – Master Plans; collection details; maintenance equipments status
- Water Supply Maps - Source Details; Treatment Plant Details; Transmission Details; Storage Reservoirs Zone Wise; Details of Individual Reservoirs; Water Connections; Water Charges; Demand, Recovery and Balance Statement; Staff Schedule and Other information
Prior to specific identification of works:

- **Assessment of Infra demand from different sectors/city**
- Preparation of City Level Investment Plan (CLIP)
- **Assessment, Identification, allocation & allotment of Land Required in consultation with line agencies for different sub-projects for STP/OHSRs/CWRs/etc**
- Utility survey with regular updation and its mapping
- Fund Flow for implementation
Action after Work is identified
Action Required - After work is identified

- Specific Identification of Land
- Statutory Clearances
- Documents
- Preparation of DPR’s
- Preparation of Bid Documents
Advance Action - Identification of Land

- **Specific Identification of land & allotment of land required in consultation with line agencies for different sub-projects**
  - Identification of lands required for each sub project/ Possession of land should be with line agency
  - As far as possible identify government lands to have minimum social and environmental impacts
  - Land should be hindrance free i.e. there should be no encroachment as far as possible
Advance Action - Statuary Clearances

- **Statutory Clearances**
  - STP & Land Fill Site: - Pollution Control Board
  - Water Treatment Site: - Pollution Control Board
  - ROB/RUB: - General Arrangement Drawing approval from Railways
  - Tree Cutting: - Forest Department, District Administration
  - Sewer line/water supply line: - If Railway line is to be crossed or passes through their land, permission is to be taken from Railways.
  - Heritage Works: - State Archeological Department / Archeological survey of India.
  - Road cutting: - General permission from concerned line agency.
  - Shifting of Services i.e. water supply lines, Transmission tower of power supply, telephone line, OFC etc. from concerned line agency
Preparation of DPR’s

- Timely Mobilization of Consultants for preparation of DPR
- Surveys and Investigations in the presence of project officials
- Preparing base maps indicating the details of surveys for multipurpose use in different sub-projects
- Dovetailing of the existing services and planned services by the line agencies
- Consent of line departments on the proposals/concept
- All detailed drawings design with DPR including construction drawings
- Thorough checking of estimates by the project manager to avoid variations
- Indicative work plan in accordance to the available work sites and integration with other facilities
Preparation of Bid Documents

➢ Proper clauses should be incorporated:
  ✓ Price Adjustment Clause
  ✓ Mobilization Advance and its recovery
  ✓ Payment modality for material advance
  ✓ Provision for EC certificates for duty exemptions
  ✓ Sub-contracting
  ✓ Safeguard Monitoring & Implementation

➢ Technical specifications should match with BOQ items to avoid future interpretations and variations.
Action after Work is Awarded
Contract Administration

- **At the time of work order**
  - Issue construction drawings,
  - Issue mutually approved work plan
  - Hand over the site in writing as per work plan

- **Immediate actions after work order**
  - Payment of Mobilization Advance
  - Approval of Sub – Contracting, if any
  - Approval of Vendors
  - Analysis of quantities for immediate requirement and issue of EC’s
  - Site offices & Laboratory to be established.
    - Site office to consist of required Site registers, Formats, QA & QC manual, BSR, Relevant codes, Standard specifications, copy of Contract Agreement, drawings, level books etc.
    - Laboratory to consist required testing equipments and the detailed procedures for conducting tests
Work Plan

✓ Ensure issue of Work Plan mutually agreed to the Contractor and PIU

✓ **Assess four M’s of Construction Management in the work plan**
  ✓ Man power,
  ✓ Material,
  ✓ Machinery and
  ✓ Money resources.

✓ Timely approval of work plan for the contract is important in monitoring the progress and timely completion of the contract.

✓ **Contractor should be pressed hard to make initial efforts for procurement of material, equipments, staff to maintain good progress in the very first month.**
Sub-Contractor for not more than 50% of the awarded work
Sub-contracting shall not alter the Contractor's obligation.
The Contractor shall submit a list of sub-contractors along with their credentials about (a) Technical capacity, (b) Financial capability and (c) the Experience of similar work which is proposed to be sub-contracted.
The Project Manager shall scrutinize the offers submitted by the Contractor, and shall approve the sub-contractors based on their overall capability to execute the proposed sub-contracted work.
Such agreement between the Contractor and sub-contractor should be reasonable, workable and justified
Project Manager to satisfy for capabilities of sub-contractor before approval
Construction Drawings

- **Item Rate Contracts**
  - To be prepared jointly by project officials preferably at the time of finalization of DPR but not later than the issue of NTP.
  - Issue of construction drawings in case of any change in the design is required during confirmatory investigations at the earliest.
  - The project officials should follow up approval & release of such drawings on a target basis.

- **Turnkey Contracts**
  - The construction drawings to be prepared by contractor in consultation with project officials should have a defined procedure of review and release of drawings in a specified timeframe.
Do not compromise on Quality during construction.

Ensure work in accordance to QAQC Manual/Technical specification.

III party Inspection at manufacturers place to ensure quality and lay down Procedures (Timely Intimation Procedures, Sampling, Testing, Marking, etc.)

Ensure witness of III rd party inspection by project officials for capacity building.

Quality Control Tests and their witness at site by project officials.

Credibility of sub-contractors and vendors before approval.
Facilitation to Contractor- Obligation of Executing Agency

- **Timely Payment to the Contractor:**
  - Payment of Mobilization Advance
  - Regular running monthly bills
  - Payment of material advance
  - Implementation of price adjustment clause

- **Timely Approval of:**
  - Provide duly approved drawings good for construction
  - Approval of vendors
  - Approval of variations under the contract

- **Provision of liquidated damages and its recovery to have pressure on execution**
City Level Committee is a good platform for Co-ordination with different stake holders.

- Details of proposals i.e. design parameters, data consisting present status and after execution of the sub-project, area covered and likely population benefited, intended benefits from the sub-projects;
- Requirement & availability of land & issues if any in this regard;
- Alignments, shifting of utilities, issues related to different approvals required for the execution, co-ordination required from different city level agencies;
- O&M responsibility by the concerned line department and required budget provisions for the same;
- Status and future action plan for completion of sub-projects;
After work is completed
Exit Policy

- Reconciliation of ECs
- Utilization Certificate for Deposit Works
- Exit Protocol (Handing Over)
  - Issue Guidelines for "Exit Protocol“ for handing over the work to line agency in very beginning for proper documentation and handing over.
  - It will form the part of executive summary for contract completion report;
  - Formats for Exit Protocols for handing over to the Line Agencies after completion for different sectors may be prepared for ease in preparation
  - Highlight outcomes wrt Design and Monitoring Framework
  - As-built drawings to be prepared and updated on digitized base maps on regular basis during execution and final drawings to be submitted at the time of handing over of assets
Post Project Execution Scene

- Timely Handing over the work to the agency responsible for O&M.
- Execution of Tripartite Agreement for O&M
- Ensure budget for O&M
- Post Project feedback from line agency.
Thanks...