

PROJECT CYCLE

Ar. Binod Neupane
NEC -49

Projects Cycle

- Identification / Priotization
- Preparation
- Appraisal
- Implementation
- Operation and Maintenance

Identification

- **Social/Environmental infrastructure**
 - Drain (Storm water/ Combined/ Sewarage)
 - Road, culvert, causeway
 - Pavement of open spaces
 - Municipal Building
 - Public toilet
 - Libraries
 - School building
 - Municipal Hospitals
 - Children Park etc

Identification

- **Basic Urban infrastructure**
 - Drinking Water supply
 - Solid waste management
 - Protection of Natural resources
 - Slaughter house
 - Community Building
 - Stadium
 - Museum etc

Identification

- **Economic/Revenue generating**
 - Bus/Truck Park and terminal
 - Cottage, Medium & Small industries
 - Tourism
 - Hat Bazaar/Market Centers
 - Land pooling
 - Shopping Complexes
 - Multi purpose Building etc

Prioritization

- Low investment cost
- Maximum use of existing technology
- High potential cost savings
- High improvement potential for process speed
- High improvement potential for defect reduction
- High customer satisfaction potential
- Minimum impact on other processes
- Ease of implementation
- High probability of quick result

Preparation

- Pre-feasibility study
 - Survey
 - Desk Report
- Feasibility Report
 - Technically
 - Financially
 - Environmentally
 - Safe Guard

Preparation

- Draft Detail Project Report
 - Technical Report
 - Design
 - Deetailing
 - Cost Estimate
 - Tender document
- Final Detail Project Report (DPR)
 - Finalization of Draft DPR

Appraisal

- Technical Appraisal
- Review of Environmental
- Social safeguard measures
- Institutional Appraisal
- Beneficiaries
- Financial Appraisal
 - Viability
 - Eligibility

Implementation

- Procurement of
 - User' committee
 - Contractor
- Supervision Consultant

The **Project** Manager is responsible for completion of the **Implementation Plan**, with input from **project** leads and the **Project** Clientas necessary. The **Implementation Plan** is completed during the Design (**planning** of the document) and Develop (physically create the document) Phases of Solution Delivery Life Cycle.

Operation and Maintenance

Purpose: Conduct or ensure ongoing operations and maintenance (O&M), including repair and replacement (R&R)

Task:

- O&M Plan and Budget
- System performance
- Monitoring system
- O&M Contracts and agreements
- Warranties
- Production guarantees
- Buyout Options

Operation and Maintenance

Outputs:

- Ensure responsible party carries out O&M/R&R
- Measuring and tracking success
- Correlate with business plan and strategic energy plan
- Contract compliance
- Reporting of generation
- Met or exceeded energy and financial performance Payment History

Thank you