**TYPICAL WATER INFRASTRUCTURE PROJECT IMPLEMENTATION METHODOLOGY**

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| **PHASES** | **PLANNING** | **HANDOVER FOR IMPLEMENTATION**  | **IMPLEMENTATION** | **HANDOVER FOR OPERATIONS** | **OPERATIONS & MAINTENANCE** |
| **Need assessment & reconnaissance investigation** | **Pre-feasibility investigation** | **Feasibility investigation** | **Project preparation** | **Tender design & documentation** | **Detail design & construction**  | **Commissioning** | **Assessment & close out** |
| **BUSINESS** | Needs definition report | Pre-feasibility report | Feasibility report | Funding strategy framework | Loan agreement (for off budget)  | Financing reviews | Financing reviews | Business close out report |  |
| **PUBLIC RELATIONS** | - | - | External stakeholder list | Public relations (PR) plan  | Execution as per PR plan | Execution as per PR plan | Execution as per PR plan | Public relations close out report |  |
| **ENGINEERING** | Reconnaissance report | Viable option packages  | Preliminary design package | Engineering plan  | Tender design package | Ready for commissioning (RFC)  | Ready for operation (RFO) | Engineering close out report |  |
| **ENVIRONMENT** | Environmental issues and fatal flaws | Environmental Affairs registration  | Record of decision (ROD) | Environmental plan | Final Environmental plan  | Execution as per Environmental plan | Execution as per Environmental plan | Environmental close out report |  |
| **HEALTH AND SAFETY** | - | - | - | Health and Safety Impact Assessment | Health and Safety specifications | Health and Safety file | Health and Safety archive | Health and Safety close out report |  |
| **PROJECT MANAGEMENT** |  |  | Project charter | Project implementation plan (PIP)  | Execution as per PIP | Execution as per PIP | Execution as per PIP | Project close out report |  |

6. Ready for commission

5. Construction tender ready

4. Project approval

3. Report signed off by delegated authority

8. Close-out report

9. Comply with bulk water supply agreements

1. Report signed off by delegated authority

2. Report signed off by delegated authority

7. Ready for operation

Gate readiness

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| **RESPONSIBILITY** | **INTEGRATED PLANNING** | **IMPLEMENTER** | **IMPLEMENTER** | **OPERATOR** |
| **OFF BUDGET**  |  |  |  |  |  |  |  |
| **CO-FUNDED** |  |  |  |  |