

2x Resident Engineers

Location: Zululand North and South Regions

Department: Water Department

Reports To: Project Manager

Job Summary

The Resident Engineer will oversee the on-site execution of Operation and Maintenance (O&M) for water infrastructure, such as water treatment plants, pump stations, pipelines, reservoirs, and general civil refurbishment works. This role involves ensuring the successful implementation and management of O&M contract ensuring, compliance with standards, and timely delivery of milestones within budget. The Resident Engineer will serve as the primary technical representative on-site, liaising with contractors, stakeholders, and the Client.

Key Responsibilities

1. Site Supervision and Management

- Oversee daily site activities related to O&M of water infrastructure facilities, ensuring alignment with project designs, specifications, and quality standards.
- Coordinate and manage contractors, subcontractors, and site personnel to address technical and construction-related challenges.
- Conduct regular inspections to assess progress and compliance.
- Ensure compliance with South African National Standards (SANS1200) and other technical and project specifications
- Maintain accurate documentation and report on project milestones, costs and progress reporting
- Facilitate progress/technical meetings, attendance and preparation of meeting minutes

2. Quality Assurance and Compliance

- Ensure compliance with South African water sector standards, regulations, and environmental guidelines.
- Perform quality checks on materials, construction practices, and workmanship on replacement of O&M components.
- Identify and address deviations from design specifications and implement corrective measures.

3. Technical Coordination

- Assist in the preparation of quality control plans and documentation
- Collaborate with project manager and design teams to address modifications and site-specific challenges.
- Maintain comprehensive records of site activities, including site diaries, progress reports, photographic documentation, correspondences and site instructions.
- Compile contractual correspondences based on the terms of the contract.

4. Cost and Programme Management

- Monitor and report on project progress, ensuring adherence to timelines and budgets.
- Verify contractor progress claims and assist in preparing payment certifications.
- Support project management in preparing cost estimates and variation orders..

5. Health, Safety, and Environment (HSE)

- Promote a safe working environment by ensuring adherence to site safety protocols and environmental best practices.
- Ensure compliance with appropriate health and safety regulations.

6. Client and Stakeholder Engagement

- Perform as the on-site point of contact for client representatives and regulatory authorities including the community/local authorities.
 - Participate in client meetings, providing updates on the progress of the projects.
 - Address client concerns regarding technical, quality and timelines
 - Engage with Client operation and maintenance team to get detailed feedback on challenges that require attention.
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Qualifications and Experience

- Bachelor's degree/BTech in Civil or Environmental Engineering (or a related field).
 - 5+ years of experience in water infrastructure construction supervision or project management including installation, testing and commissioning of water infrastructure projects that entail electromechanical equipment will be highly preferred.
 - Proven expertise in water treatment plants, pipeline installations, and water distribution systems.
 - Familiarity with South African legislation and standards in relation to construction environment
 - Knowledge and application of Conditions of Contract specifically GCC 2015, third edition
 - Proficiency in relevant software (e.g., AutoCAD, MS Project, MS Suite).
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Skills and Competencies

- Strong problem-solving and analytical skills specific to technical knowledge for water infrastructure O&M .
 - Excellent interpersonal and communication abilities for stakeholder management.
 - High attention to detail and quality control.
 - Ability to manage multiple priorities and meet deadlines in a dynamic environment.
 - Leadership skills to effectively oversee and motivate site teams.
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Employment Type

- Full-time, fixed-term contract based on project timelines.
- Flexibility to work on remote project sites across Zululand District Municipality.