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RESIDENT ENGINEER

ABOUT US

BUILDING PATHWAYS. EMPOWERING PROGRESS.

At Zimile, we believe that infrastructure is more than concrete and steel – it is the foundation for opportunity, dignity, and human connection. Since our inception in 2009, we have been on a mission to engineer solutions that build the nation while uplifting its people. Every road we pave, every pipeline we lay, and every community we serve reflects our commitment to reshaping how infrastructure serves society – bridging gaps in access, equity, and resilience.

We are proudly South African – a 100% black-owned and managed Level 1 B-BBEE company – deeply rooted in transformation and committed to meaningful impact. With nearly 45% of our team made up of women, we are actively challenging industry norms and empowering diverse voices to shape the future of engineering. Our team blends experienced professionals with dynamic young talent, guided by seasoned mentors who are passionate about nurturing the next generation.

The name Zimile, derived from isiZulu referring to hopes that are resilient, which embodies our steadfast aspirations and enduring commitment to growth and progress.

Unbounded Engineering is more than a tagline – it's our philosophy. It reflects our belief that true engineering knows no limits. No boundaries between disciplines. No barriers to innovation. No restrictions on who can lead or what's possible. It speaks to our commitment to break new ground, push technical and social boundaries, and create solutions that are imaginative, inclusive, and future-focused.

As a multi-disciplinary consulting engineering and built environment firm, Zimile offers a full suite of project, engineering, and construction management services.

We provide technology-driven solutions across the entire infrastructure lifecycle – from concept development and design to project commissioning.

JOB SUMMARY

Title/ Job Description: Resident Engineer – Water Infrastructure

Job description Summary: We are looking for an experienced Resident Engineer (RE) to be based full-time on site in Hluhluwe, Northern KZN, for a bulk water infrastructure project. The ideal candidate must have experience in managing continuously welded steel pipelines and construction of Reservoirs.

The RE will manage quality control teams, monitor progress, verify completed quantities, prepare detailed progress reports, oversee material inspections and testing, and ensure proper implementation of method statements and construction procedures.

Additional responsibilities include resolving technical queries, liaising with the client and design office, administering contract requirements such as payment certificates, claims and instructions, and overseeing all testing, commissioning, and close-out documentation to ensure successful project completion.

Reports to: Project Manager

Department: Water Infrastructure

Location: Hluhluwe – Northern KwaZulu-Natal

Job type: Fixed Term Contract

KEY RESPONSIBILITIES

Key responsibilities:

1. Technical Oversight:

- Oversee construction activities to ensure compliance with approved designs, specifications, and standards.
- Monitor workmanship quality, materials, and adherence to engineering best practices.

2. Site Supervision:

- Conduct daily site inspections and maintain detailed site diaries.
- Ensure contractor productivity, progress, and performance meet project timelines.

3. Contract Administration:

- Manage correspondence, instructions, and site queries in line with contract conditions (FIDIC, GCC, or NEC).
- Verify quantities for monthly payment certificates and monitor claims.

4. Stakeholder Coordination:

- Liaise with clients, consultants, contractors, local authorities, and affected communities.
- Facilitate progress meetings and manage communication flow.

5. Health, Safety & Environmental Compliance:

- Enforce safety regulations and ensure compliance with environmental management plans.
- Participate in HSE audits and corrective actions.

6. Quality Assurance:

- Approve materials based on test results and specification compliance.
- Identify defects, issue NCRs, and manage corrective actions.

7. Reporting:

- Prepare weekly and monthly progress reports.
- Flag risks and propose mitigation measures proactively.

8. Risk & Issue Management

- Anticipate construction risks and provide timely engineering advice.
- Resolve technical issues on-site to avoid delays.

KEY COMPETENCIES

- Strong technical knowledge of civil works, steel pipelines and reservoir construction
- Ability to read and interpret drawings and technical specifications
- Good leadership and team-management skills
- Strong problem-solving and decision-making ability

QUALIFICATION REQUIREMENTS

- Minimum 5 year's experience in managing Bulk Water Infrastructure Projects
- Experience in Continuously Welded Steel Pipes will be advantageous
- Qualification: B Eng, B-Tech, Advanced Diploma in Civil Engineering
- ECSA registration will be advantageous
- Must be familiar with the GCC Conditions of Contract
- Must be familiar with SANS 1200 Standard Specifications
- Experience on projects working for public sector clients, will be advantageous.

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