

Terms of Reference

1. Introduction

Post: Lead Engineer (Water & Sewerage)

Type: Contract (1 Year)

Note: The company may decide to extend the contract after 1 year based on performance.

Department: Water, Sewerage and Environment Department

2. Position Overview

The Lead Engineer of the Water and Sewerage Department will be responsible for overseeing the planning, designing, implementation, and maintenance of water supply and sewerage systems of Fenaka. This leadership role involves managing engineering teams, ensuring regulatory compliance, and implementing sustainable practices to provide safe and efficient water and wastewater services.

3. Reporting Relationship and Communication

Lead Engineer will report to Water, Sewerage and Environment Department Director daily and regular progress meetings will be scheduled to ensure effective communication and collaboration throughout the duration of the contract unless advised otherwise.

4. Key Responsibilities

Leadership and Management:

- Lead and mentor a team of engineers, technicians, and support staff.
- Oversee all engineering activities within the water and sewerage department.
- Develop departmental goals, strategies, and performance metrics.

System Design and Planning:

- Supervise the design of water distribution and sewerage systems.
- Ensure the integration of innovative and sustainable design practices.
- Conduct feasibility studies and risk assessments for new projects.

Project Management:

- Oversee multiple projects from inception to completion.
- Manage project timelines, budgets, and resources effectively.
- Ensure projects meet quality standards and are completed within the set deadlines.

Regulatory Compliance and Standards:

- Ensure all systems and projects comply with local, state, and federal regulations.
- Prepare and submit necessary documentation and reports to regulatory bodies.
- Stay updated on regulatory changes and industry standards.

Operations and Maintenance:

- Oversee the operation of water treatment plants and sewerage systems.
- Implement maintenance programs to ensure system reliability and longevity.
- Address and resolve operational issues promptly and efficiently.

Stakeholder Coordination and Communication:

- Coordinate with government agencies, contractors, and other stakeholders.
- Communicate project progress and technical information to non-technical stakeholders.
- Facilitate public consultations and address community concerns regarding water and sewerage projects.

□ **Budgeting and Financial Management:**

- Develop and manage the department's budget.
- Ensure cost-effective solutions and optimal allocation of resources.
- Prepare financial reports and justify budgetary needs to senior management.

□ **Environmental and Safety Management:**

- Promote sustainable water use and wastewater treatment practices.
- Implement safety protocols to protect workers and the public.
- Assess and mitigate environmental impacts of water and sewerage projects.

□ **Technical Support and Training:**

- Provide technical expertise and support to the engineering team.
- Organize training programs to enhance the skills and knowledge of department staff.
- Develop and update technical manuals and standard operating procedures.

5. Education and Experience

- A Bachelors' Degree or equivalent professional certification (MNQF level 7) in Civil Engineering, Environmental Engineering or related field with 10 years of professional work experience in sewerage system design, construction, and management or related field.

6. Skills and Competencies

- **Technical Skills:** Proficiency in engineering design software (AutoCAD, GIS, hydraulic modeling tools), project management tools, and a strong understanding of water treatment and sewerage system dynamics.
- **Analytical Skills:** Strong analytical and problem-solving abilities. Ability to analyze complex data and make informed decisions.

- **Communication Skills:** Excellent verbal and written communication skills for reporting, presentations, and stakeholder interactions.
- **Leadership and Management:** Proven ability to lead teams, manage projects, and work collaboratively in a multidisciplinary environment.