

## **JOB DESCRIPTION**

**JOB TITLE:** **MEP Engineer**

**JOB PURPOSE:**

The incumbent is required to Perform Civil -Mechanical-Electrical-Plumbing (MEP) Designs in compliance with the relevant codes, standards and guidelines for all projects being executed or managed by the Construction Company Limited.

**WORKING RELATIONSHIPS:**

- Reports to the Head of Engineering.
- Works closely with internal and external stakeholders including consultants, engineers, architects, planners, construction managers and quantity surveyors.

**MAJOR DUTIES & RESPONSIBILITIES:**

- Prepare Engineering Designs and Calculations for Grading, Roadways, Drainage, Water Distribution Systems, Wastewater Collection and Treatment Systems, Electrical Systems, Pumping Systems, HVAC Systems, and Fire Detection and Suppression Systems in compliance to all local and international codes and guidelines.
- Prepare Tender & Construction Drawings along with Engineering Design Plans.
- Validate design issues and suggest alternative solutions to aid in corrective works for all Civil Engineering issues.
- Execute periodic site assessments to monitor quality and compliance for Engineering works being executed.
- Provide oversight for the installation and commissioning of MEP works.
- Provide Engineering inputs to aid in Value Engineering.
- Preparation of Engineering Technical Specifications for all Civil and MEP Projects.
- Prepare, Scopes, Design Criteria, Employers Requirements and Terms of Reference for projects being executed by the CCL.
- Prepare a submit reports, memoranda, committee notes, tender evaluation reports, monthly reports and all other required correspondence.
- Execute Tender Evaluations and prepare Tender Evaluation Reports.
- Liaises with internal and external stakeholders; as required.
- Performs any other related duties and responsibilities consistent with the job title/position.
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- Performs any other related duties and responsibilities consistent with the job title/position.

## **QUALIFICATIONS AND EXPERIENCE:**

- Bachelor's Degree in Civil with Environmental Engineering, Mechanical Engineering, Electrical Engineering or in a related Engineering discipline.
- Registration or affiliation with a professional body will be an asset.
- Five (5) years in a similar position; or
- Equivalent combination of training and experience.

## **KNOWLEDGE AND SKILLS:**

- Extensive knowledge of the modern methods, techniques and materials used in the design, construction and maintenance of civil, mechanical, electrical, plumbing, and engineering works for buildings and housing developments.
- Extensive knowledge of civil and MEP engineering practices, plans and technical specifications legislations, procedures and practices.
- Ability to read and interpret drawings.
- Excellent use and care of standard engineering instruments.
- Experience in using or a desire to learn the required software.
- Knowledge of applicable codes related to electronic engineering.
- Proficient in design and calculation software.
- Excellent investigative, analytical and reasoning skills.
- Excellent communication skills (oral, written and interpersonal).
- Proficient in MS Office (Outlook, Word, Excel, PowerPoint).
- Proficient in AutoCAD and Civil 3D Applications.

## **PHYSICAL REQUIREMENTS:**

- Prolonged periods sitting at a desk and working on a computer.
- Maybe required to work in outdoor weather conditions when required.
- You might travel around to a number of different sites.
- You would wear protective gear when on site, including hard hat, overalls and safety shoes.

