Position Overview

The Design Technologist under this progression schedule is responsible for providing designs for a diverse range of stations and/or distribution projects, using skill and knowledge in the principals of electrical, civil and mechanical engineering fields. Responsibilities include the overall accountability to ensure timely, safe and economical completion of multiple projects.

Please note that this position will support the Sub Station Engineering team. The job description below reflects duties of the Design Technologist role within various departments, including Generation, Transmission and Distribution. Note that only the duties associated with substation engineering will apply.

Responsibilities

- Accountable for the technical aspects of projects to include: project management, power line or substation design, distribution or substation equipment specification, metering, protective coordination, voltage and loading concerns, meeting all legislated acts, codes, standards and procedures.
- Provide estimates on a diverse range of distribution or substation projects.
- Coordinate the timely delivery of all phases of a project which may include; survey resources and scheduling, construction resources and scheduling, delivery of construction packages, material order, and field support.
- Ensure accuracy of all data in regards to SAP, AM/FM and Work Management Tools, Bill of Material, and technical library.
- Facilitate and coordinate the installation and commissioning of distribution or substation equipment.
- Provide technical guidance to customers and other external consultants.
- Provide technical coaching to Project Assistants and Field Design Specialist or Drafters, Field Design Specialists and members of the Engineering team.
- Participate on committees, special projects and business process teams.
• Select safe and economic line routes or substation equipment location, satisfying numerous and varied construction and design criteria as well as customer needs, while taking into account present and future load requirements.
• Manage contracts for delivery of quality work.
• Perform Risk and Hazard Assessments.
• May be required to prepare tender bid projects and responsible for the contract management to completion.

Requirements

• Ability to learn and develop competitive business strategy within the scope of the role
• Adaptability – ability to change and be flexible within a changing environment
• Ability to work effectively with various types of contractors
• Strong team building and relationship skills /good organizational, communication
• Demonstrated leadership skills
• Electrical Engineering technology diploma (e.g. BCIT/SAIT) or equivalent experience and related industry experience with ability of obtaining a Diploma in Electrical Engineering technology.
• 4 years of electrical design experience.
• Working knowledge of SAP, AMFM, AutoCAD, MS Office and OID, and SharePoint.
• Working knowledge of related design programs such as AutoCAD Map and PLS CADD preferred.
• Strong working knowledge of Distribution Design / Industry Practices and Standards