

## Job Opportunities

Debswana Diamond Company – **Group Projects** would like to invite suitably qualified innovative, results oriented and self-driven individuals to apply for the position listed and described below and join a professional team driven by service excellence, where the demands of the business are met by encouraging team work and addressing the needs of the individual.

### **PROJECTS ENGINEER ELECTRICAL – BAND 6**

**Ref: DCC 0000327**

**Tenable at Debswana Corporate Centre**

#### **Job Summary**

To manage, coordinate and oversee the overall electrical designs, infrastructure and systems requirements for mining, engineering and processing projects, including electrical engineering standards, policies and procedures deployed as part of the project lifecycle. To ensure these are aligned with Debswana standards, policies and procedures and that the designs adequately attend to electrical and general safety requirements, production and operability requirements and asset management philosophies in Debswana.

#### **Minimum Requirements**

- Degree in Electrical Engineering or BSc in Electrical Engineering
- 7 years post qualification Engineering in heavy engineering environment including EIT programme with 3 years substantive mining industry Engineer Level
- Project management training
- Middle management program
- Registered with a recognised professional body

#### **Additional Requirements**

- Experience as project or site electrical engineer in projects over USD 200M is advantageous
- Demonstrated knowledge of project management, construction and commissioning
- Understanding of safety requirements of construction industry
- Experience with high voltage power distribution systems and equipment
- Experience in large AC Motor and VSD installations
- Experience in managing consultants and contractors for installation of switchboards and MCC's in the mining industry will be highly desirable
- Must be familiar with statutory acts, regulations and standards for electrical installation and equipment
- Good planning and organisation in their approach to work and meeting deadlines

#### **Key activities**

- Leads and manages the detailed electrical engineering and design effort of the project from the pre-concept/concept phase all the way to detailed design, execution, commissioning and handover.
- Ensures that the project effectively and consistently applies Debswana standards and procedures, detailed electrical design criteria, electrical safety and operability requirements
- Aligns all deliverables and designs to legislative, regulatory, relevant local and international equipment, electrical and engineering standards
- Ensures that protection design, project load flow, dynamic and voltage regulation studies are conducted for new power system networks and/or the extension of existing networks
- Provides effective input to all project phase design, procurement, study, input and output documentation, drawings and assessments and ensures these are aligned with Debswana requirements, standards and procedures
- Ensures effective factory acceptance testing and site acceptance testing regimens are in place and testing and commissioning establishes efficacy, safety and reliability of equipment and overall power system infrastructure
- Establishes and maintains effective relationships with all key engineering, project, OEM and consulting (including EPCM) stakeholders and partners to ensure achievement of electrical engineering objectives and overall project objectives
- Liaises with the Project Manager(s) and Group Electrical, Control & Instrumentation Engineer to ensure that the electrical project is correctly designed, meets project delivery (programme requirements)
- Ensures that electrical engineering budgets, scheduling requirements and risk areas are properly managed
- Ensures that bulk power supply infrastructure requirements and load-growth requirements are met and effectively liaises with the utility to achieve these objectives
- Aligns the project with best-practice energy efficiency requirements, standards and programmes in Debswana to ensure that the energy efficiency needs of the organisation are fulfilled

#### **Competencies**

- Electrical Engineering Design
- Power systems design
- Mining electrical safety systems
- Project management
- Cost Control/Engineering
- Quality Management
- Project Change Management
- Engineering Management
- Achievement Orientation
- Judgment and Decision Making
- Managing Performance and Holding People Accountable
- Planning, Coordination and Execution
- Problem Solving
- Change Leadership
- Innovation
- Concern for Safety, Health and the Environment
- Developing Others
- Teamwork & Collaboration

Only candidates who meet the above requirements need apply by visiting us on <http://www.debswana.com/careers> to register and apply. Closing Date: 03<sup>rd</sup> February 2018

