

# Senior electrical engineer

## Key Accountabilities

### 1. Mains Responsibilities as Senior Electrical Engineer:

- Developing, reviewing, updating, modifying, and approving electrical design plans and work schedules.
- Coordination with the government and the various national agencies involved in the energy field of Benin, like SBEE, SBPE, CEB, ARE and others.
- Liaising with clients and other engineers to ensure projects are completed to specifications.
- Establishing relationships with clients, vendors, suppliers, other professionals, and expanding networks.
- Maintaining and improving existing engineering processes.
- Participating in conferences, events, and networking and learning opportunities.
- Drawing up budgets, schedules, company regulations, and various other documents.
- Analyzing existing processes and scheduling meetings to discuss improvement initiatives.
- Conducting research, performing diagnostics, and troubleshooting equipment.
- Assisting with recruitment, training, and onboarding.
- Ensuring a safe, positive work environment.

### 1.1 Construction:

- Oversee the construction of all electrical infrastructure, including MEP projects.
- Streetlights infrastructure development
- High Masts infrastructure development
- 20KV Overhead line infrastructure development
- Zonal Switching Station
- All Electrical Buildings & MEP works.
- Review the projects in-depth to schedule deliverables and estimate costs.
- Coordinate with investors, external stakeholders, electricity government agency and directing construction contractors for new electrical projects.
- Meet contractual conditions of performance for electrical related projects.
- Review the work progress on daily basis.
- Planning, prevention, and conflict resolution as relates to the projects.
- Ensure quality construction standards and the use of proper construction techniques.
- Analyze, manage, and mitigate risks associated with the construction of power supply, power distribution and MEP systems.

### 1.2 Operations:

- In charge of all activities associated with the establishment, development, administration, and operation of any electric system and the supplying of electric

energy and associated services to the zone including without limitation the generation, purchase, sale, and resale of electric energy and the purchase, use, and consumption thereof by ultimate consumers.

- Prepare the budget for spare materials for new power connections.
- Record consumption and prepare bills for electrical service provider.
- Analyze, mitigate, and manage risks associated with the operation of power distribution and power supply.
- Liaise with relevant government departments (SBEE, SBPE, CEB) operations in the Zone.

### 1.3 Maintenance:

- The golden rule for Electrical maintenance is Safety first
- Supervise and lead maintenance processes on 20KV OH Electrical Distribution line, and all electrical infrastructure in the zone.
- Schedule routine professional checkups.
- Conduct regular inspections of the assets to detect, prevent and resolve problems.
- Implement down days for electrical equipment.
- Plan and manage all repair and installation activities for Electrical infrastructure in the Zone.
- Assign repair schedules and responsibility and evaluate repair cost estimates.
- Oversee equipment stock and place orders of supplies for new connections and extensions when necessary.

### **Minimum Qualifications**

- Minimum master's degree in electrical field.
- A minimum of 8 years of relevant experience in Electrical Engineering is required.
- Strong organizational, good time-management skills, with impeccable multi-tasking abilities in a fast-paced environment.
- Problem-solving skills with proficiency in collaboration and delegation of tasks
- Decision-making aptitudes and ability to work under pressure.
- Rigor, precision,
- Friendly and professional demeanor
- Ability to listen, react and adapt.
- Bilingual, French and English required.

***Only shortlisted applications will be contacted.***

***Put in subject the reference of the position you are applying for.***

***Deadline: March 09<sup>th</sup> 2024***