Job Description

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Job Title
Technician: Power Systems (Substation)

Job Location
Zanzibar City

Category
-

Job Type
Full Time

Job level
Intermediate

Industry
Facilities Management

Open to Expatriates
Only Open to Tanzanian Nationals

Minimum Requirements

Min Budget
-

Max Budget
-

Primary Industry
Facilities Management: 3 Years

Secondary Industry
-

Primary Category
-

Secondary Category
-

Certificate
-

Qualification
-

Summary

The Technician: Power Systems (Substation) is responsible for operating and supporting the maintenance of electrical substations to ensure a reliable, safe, and continuous power supply to the company operations

Responsibilities

- Operate electrical substations, including monitoring equipment, performing switching operations, and ensuring stable and continuous power distribution.
- Monitor transformers, switchgear, control panels, and protection systems to ensure proper and reliable functioning.
- Conduct routine inspections of substation equipment to identify faults, wear, abnormal conditions, or potential failures.
- Perform preventive and corrective maintenance tasks and assist in repairs of substation equipment in accordance with maintenance plans and procedures.
- Execute switching operations and isolation procedures strictly in line with safety protocols, operational instructions, and lockout/tagout requirements.
- Identify electrical faults, abnormalities, or system failures and report them promptly to engineers or supervisors.
- Support rapid response to power failures and assist in restoring electrical supply to critical systems and operations.
- Execute assigned maintenance and operational tasks in accordance with CMMS schedules and work instructions.
- Record operational data, maintenance activities, and incidents accurately, clearly, and in a timely manner.
- Coordinate with engineering and operations teams to ensure uninterrupted power supply and safe substation operations.

Education & Qualifications

Minimum Qualifications

- Vocational training or diploma in Electrical Engineering or related field
- 3–5 years of experience in electrical systems, power distribution, or substation operations
- Proficiency in Swahili

Preferred Qualifications

- Diploma in Electrical Engineering is an added advantage
- Certification in electrical safety or high-voltage operations is an added advantage
- Experience in infrastructure, utility, or industrial power systems is an added advantage
- Proficiency in English is an added advantage

Requirements

Technical

- Knowledge of electrical power systems and substations
- Understanding of switchgear, transformers, and protection systems
- Ability to perform switching operations
- Basic troubleshooting of electrical faults
- Awareness of electrical safety standards

Behavioral

- Discipline and reliability
- Attention to detail
- Safety awareness
- Ability to work under pressure

Power

- Ability to follow procedures and instructions
- Coordination with engineers and teams
- Responsiveness to power issues
- Ability to act quickly in emergencies

Characteristics

- Reliability of power supply (downtime incidents)
- Timeliness of fault detection and reporting
- Compliance with safety procedures
- Accuracy of operational and maintenance records
- Response time to power failures or incidents
- Preventive maintenance completion rate

Reporting To

Electrical Engineer

Driving Licence

Not Required

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