

Job Description

Job Title:	<i>Electrician</i>
Department:	-
Work Location:	<i>Tanga</i>

Job Summary:

A skilled craftsman who installs, maintains and repairs electrical wiring systems.

Key Responsibilities / Duties:

The Electrician is responsible for (but not limited to) the following:

- Assemble, install, test, and maintain electrical or electronic wiring, equipment, appliances, apparatus, and fixtures, using hand tools and power tools.
- Diagnose malfunctioning systems, apparatus, and components, using test equipment and hand tools, to locate the cause of a breakdown and correct the problem.
- Connect wires to circuit breakers, transformers, or other components.
- Inspect electrical systems, equipment, and components to identify hazards, defects, and the need for adjustment or repair, and to ensure compliance with codes.
- Advise management on whether continued operation of equipment could be hazardous.
- Test electrical systems and continuity of circuits in electrical wiring, equipment, and fixtures, using testing devices such as ohmmeters, voltmeters, and oscilloscopes, to ensure compatibility and safety of system.
- Plan layout and installation of electrical wiring, equipment and fixtures, based on job specifications and local codes.
- Prepare sketches or follow blueprints to determine the location of wiring and equipment and to ensure conformance to building and safety codes.
- Use a variety of tools and equipment such as power construction equipment, measuring devices, power tools, and testing equipment including oscilloscopes, ammeters, and test lamps.

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- Install ground leads and connect power cables to equipment, such as motors.
- Repair or replace wiring, equipment, and fixtures, using hand tools and power tools.
- Place conduit (pipes or tubing) inside designated partitions, walls, or other concealed areas, and pull insulated wires or cables through the conduit to complete circuits between boxes.
- Fasten small metal or plastic boxes to walls to house electrical switches or outlets.
- Perform physically demanding tasks, such as digging trenches to lay conduit and moving and lifting heavy objects.
- Provide preliminary sketches and cost estimates for materials and services.

Job Requirements

- Completion of an approved technical training program obtaining at least a Vocational Diploma or Short Course Certificate.
- Five years of experience in electrical installation.
- Good communication skills which required the capacity to read, write and speak the English language at a medium level or better.
- Thorough knowledge of different international codes and standards (e.g. DIN, NEC 2008, UL).
- Ability to work in a safe and productive manner.
- Aptitude for reading electrical drawings and specifications, especially circuit diagrams.
- Have appropriate eyesight and color vision.
- Diagnostic ability.
- Mathematical and technical ability.
- An aptitude for mechanics and electronics.
- Ability to do precise and detailed work.
- Mathematical knowledge (US English and Metric unit of measurements).
- Ability to work as part of a team.
- Must be reliable, dependable, and capable of working under pressure.

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