

# Power Generation & Electrical (PG&E) Technician (Trainee)

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**Ref: 12006**

The Rwanda Institute for Conservation Agriculture (RICA) is a unique and innovative English language undergraduate institution dedicated to preparing the next generation of agricultural leaders of Rwanda and East Africa. Students at RICA will engage in curricular and co-curricular learning opportunities emphasizing Conservation Agriculture and One Health principles, oral and written communication, leadership, and entrepreneurship.

In an experiential learning environment, students will develop the knowledge and experience necessary for a wide range of careers in agriculture. Students at RICA will experience the six Enterprises including Beef Cattle and Small Ruminants, Dairy, Poultry and Swine, Row and Forage Crops, Vegetable and Tree Crops, Irrigation and Mechanization. The curriculum is designed to incorporate threads of Innovation, Conservation, OneHealth Systems Thinking, and Entrepreneurship. Communication, One Health Systems Thinking, and Entrepreneurship are woven throughout the curriculum. All RICA graduates will be innovative problem solvers able to operate farms and ranches, start agribusinesses, assume management roles in cooperatives, NGOs, and other agricultural enterprises, serve their communities as extension agents and technical and policy experts, or assume positions of agricultural leadership in Rwanda.

## **DESCRIPTION**

We are seeking a Power Generation & Electrical (PG&E) Technician (Trainee) to ensure that all power generation & electrical systems are well-maintained. The PG&E Technician (Trainee) will work within the Facilities Department to contribute to the smooth running of the Campus facilities, reporting to the PG&E Manager and PG&E Engineers.

The RICA installation is a 1.5 MW solar powered generation facility located in Bugasera District utilizing SMA inverters, Ideematech tracking system, 3MWH LG battery backup, and Caterpillar diesel generators (300KVA x4). The facility also includes several electro-mechanical installations relating to the pumping of water to irrigation systems, as well as commercial buildings with electrical systems installed.

## **RESPONSIBILITIES**

- Assist the PG&E Manager in the custodial duties, daily maintenance and repairs of the solar power plant (inc. inspections on frames/mechanical tracking systems, solar panel cleaning, electrical tests on inverters, weather station maintenance).

- Independent electrical repair works and maintenance tasks relating to the solar plant and building facilities (wiring, distribution boxes, appliances, generators/pumps).

#### **MINIMUM QUALIFICATIONS**

- High School Diploma (or Solar System/Electrical Certificate).
- 1-2 years experience with electrical systems (i.e. electrician, maintenance).

#### **PREFERRED QUALIFICATIONS**

- Bachelor's in Electrical Engineering.
- Strong analytical capabilities to troubleshoot and correct issues.

#### **HOW TO APPLY**

- Submit your application form using the following link:  
[https://docs.google.com/forms/d/e/1FAIpQLSdZ9uVolarfhCa40gy2wnEx1V563WPHPnaniQu5h\\_v7FuabgA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdZ9uVolarfhCa40gy2wnEx1V563WPHPnaniQu5h_v7FuabgA/viewform?usp=sf_link)

**Review of applications will begin May 15th, 2019 and continue until the position is filled.**

#### **Website**

<https://www.rica.rw/>



Approved By:

Date: November 2, 2018