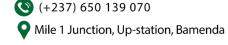


# HOPE FOR A BETTER FUTURE VOCATIONAL TRAINING INSTITUTE

Auth No. 09/ADD/MINEFOP/SG/DREGFOP-OU/DREFOP-MIFI





## CALL FOR APPLICATION: CRASH COURSE ON SOLAR ENERGY

Are you ready to harness the power of the sun? Join our comprehensive Solar Energy Training Program and become a solar energy expert!

## Why This Training?

This practical, skills-based program is designed to help you master solar energy systems and monetize your knowledge. Whether you want to start your own solar business, land a high-paying job, or expand your technical skills, this training will set you on the right path.

### **Program Overview:**

This program consists of 4 modules to be completed in 4 weeks, each module covered in class, making a total of 4 classes spread over 4 weeks.

#### **Modules:**

Module 1: Data Collection & Power Sizing: Fees= 8,000 FRS Module 2: Site Selection & Installation: Fees= 5,000 FRS Module 3: Material Choice & Testing: Fees = 3,500FRS

Module 4: Troubleshooting & Maintenance: Fees = 3,500FRS

# **Enrollment Options:**

1. **Individual Modules**: Select up to 3 modules of your choice and pay individual module fees **OR** 

2. Full Package: Enroll in all 4 modules at 15,000 FRS

## **Dates**

Application Deadline: June 28<sup>th</sup> 2025 Program Start Date: July 4th 2025

Training location: Mile 1, up-station Bamenda

Link to application form:

Click on the link below or copy it and paste in your browser to apply

https://ee.kobotoolbox.org/x/SsBmeGZN

For more information, visit our HOBEFI website at hobefi.org or contact us at 650139070

## **Learning objectives**

#### 1. DATA COLLECTION AND POWER SIZNG

What you will be able to do at the end of this course.

- Determine the electricity needs of a home
- Determine the correct size of panels, charge controller, inverter, batteries and other accessories to use
- Determine proper orientation of solar panels
- o Determine the safest location within premises where to install solar components

#### 2. SITE SELECTION AND INTALLATION

What you will be able to do after this course

- Choose best and appropriate site for solar power installation
- Use Google Earth and irradiation services to determine the solar worthiness of a geographic location
- Install solar power for homes, street light systems and institutions and for water pumping
- Identify obstacles, both geographical and environmental to the proper functioning of solar power, for easy mitigation

#### 3. MATERIAL CHOICE AND TESTING

What you will be able to do at the end of this course.

- o Differentiate between good and bad solar panels, good and bad inverters and batteries
- Select the best equipment that suit the needs of the customer
- Test batteries before purchase to determine those that have lost capacity for being overdue in shops
- Choose cables and protective devices for installation
- o Prioritize copper and/or aluminum based products based on function and cost

#### 4. TROUBLESHOOTING AND MAINTENANCE

What you will be able to do at the end of this course.

- Test the efficiency of each component
- o Trace and result faults within the system
- Carry out regular maintenance to ensure longevity and continuity of the solar installation

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