



## **Terms of Reference For a Technical Person to Train the Youth in Solar Energy Systems Operation, Maintenance, And Repair in Kikuube and Kibaale District Under Empower the Health Care Uganda Project (PHCU).**

### **1.0. Background**

[Environmental Alert](#) (EA) and [Südwind](#) developed and are implementing a joint project entitled, “emPower Health Care in Uganda”. This project has since supported health centers in hard-to-reach areas and refugee settlements in Uganda – within the Albertine rift – facing energy access limitations that compromise the effective delivery of health services. By installing small-scale solar solutions, the target refugee and Ugandan communities have benefited from better delivery of health services. Combined with several awareness-raising activities, capacity building of VHTs, and as many people as possible from the targeted communities have been reached and informed about crucial services like the lighting of Health Centres, Information on Reproductive Health, Nutrition, Sanitation, and hygiene.

Environmental Alert contracted a company to install solar systems indicated above in Kasonga HCII and Maisuka HCIII under the PHCU project, but all challenges remain in access to Knowledge and skills in user operation, maintenance, and risk assessment for any breakdown on the solar systems.

Evidence has shown lack of repairs and proper maintenance of installed Solar systems by the government and other development partners from previous installations as seen in the project sites, complements sustainability.

As part of the project implementation, youth from Kasonga HCII and Maisuka HCIII in Kikuube and Kibaale districts respectively have been given the opportunity to be trained in Solar Energy System **Operation, Maintenance, and Repair**.

It's against this background that Environmental Alert is looking for a technical person to conduct a two-day training in both Kikuube and Kibaale districts specifically Kasonga HCII and Maisuka HCIII adjacent to in areas of Solar Energy System Operation, Maintenance, and Repair.

### **1.1 Objective of the Training.**

To equip the youth with knowledge and skills on solar energy use, Operation and Maintenance, and Repair, thus creating employment opportunities for them.

#### **Specific objectives.**

- To create awareness with respect to underlying barriers of solar breakages
- To equip the youth with skills in solar maintenance and repair that can be useful for the health Centres.
- To provide opportunities for business startups and employment to the youth on Solar Energy Systems.

## **2.0 Purpose of the assignment:**

The overall purpose of the technical personnel is to provide two- days of oral and practical training to the selected youth in areas of solar Energy Systems Operation, Maintenance, and Repair.

### **2.1. The specific roles and responsibilities of the Technical Personnel.**

The Technical Person will be expected to:

- a. Provide training to the youth on Solar Energy Systems Operation Maintenance and Repair.
- b. Train youths on Risk management in relation to solar energy use.
- c. Give practical or hands-on training to the trainees for the overall Solar Energy System Installation and supply.
- d. Provide knowledge on the relationship between hydroelectric supply and solar energy supply and its relevance.
- e. Provide a training manual for the training to be conducted

### **3.0. Expected Outputs/Deliverables**

- a. 40 Youths from Kasonga and Maisuka, Kikuube, and Kibaale districts respectively equipped with knowledge and skills in solar energy Operation, maintenance, and repair.
- b. Certificates for trained youth.
- c. Training Manual for the Training conducted.
- d. A detailed report for the training.

### **3.1. Time schedule**

The assignment will be from **29<sup>th</sup> May to 2<sup>nd</sup> June 2023** in Kikuube and Kibaale districts.

### **4.0. Application process**

Interested applicants should send a soft copy of the detailed offer including their expected allowance and a copy of the training manual to [procurement@envalert.org](mailto:procurement@envalert.org) and [lawrence.ssentongo@envalert.org](mailto:lawrence.ssentongo@envalert.org).