TERMS OF REFERENCE TO SUPPORT THE INSTALLATION OF SOLAR SYSTEMS UNDER THE RESILIENT COMMUNITIES TO HEALTH AND CLIMATE CHANGE HAZARDS IN UGANDA (RCHCH-U) PROJECT IN UGANDA.

In cooperation with:

Funded by:

Federal Ministry
Republic of Austria
Social Affairs, Health, Care and Consumer Protection

Submit your Request for Proposal (RFP) to:
Environmental Alert.
Plot 475/523 Sonko Lane, Kabalagala
P. O. Box, 11259,
Kampala, Uganda
Email: envalert@envalert.org and cc:
jancinta.nekesa@envalert.org
TEL.: 0393101814

1. BRIEF DESCRIPTION OF THE PROJECT

Environmental Alert, in partnership with Südwind, is implementing the Resilient Communities to Health and Climate Change Hazards in Uganda (RCHCH-U) project in the disaster-prone districts of Kasese and Ntoroko. The project aims to strengthen community resilience, particularly among women, children, and the elderly, who face compounded challenges from climate-induced disasters and regional instability.

The Rwenzori region, where Kasese and Ntoroko are located, is highly vulnerable to climate hazards such as floods, landslides, and riverbank overflow, which have repeatedly damaged infrastructure, displaced communities, and disrupted essential services. These climate risks are exacerbated by cross-border security concerns, limiting access to reliable energy and hindering the delivery of critical healthcare services.

To improve health service resilience, the RCHCH-U project will install solar energy systems in selected health centers to ensure uninterrupted power for lighting, medical equipment, and communication devices. This intervention aligns with the project's broader objectives to enhance adaptive capacity, improve health outcomes, and promote sustainable energy solutions in line with SDGs 3 (Good Health and Well-Being) and 7 (Affordable and Clean Energy).

These Terms of Reference (ToR) outline the scope, deliverables, and requirements for the design, supply, installation, and commissioning of solar photovoltaic systems at the following facilities;

a) Mukathi HC III, Maliba Sub-County, Kasese District
b) Bweramule HC III, Bweramule Sub-County, Ntoroko District

1.1 ASSESSED SOLAR NEEDS PER HEALTH CENTRE

1.1.1 Bweramule Health Center III

Main building

The building comprises the laboratory, the store, the maternity ward, the screening area, and other administrative offices. The building relies entirely on an insufficient off-grid solar system,m which powers all the electric appliances in the entire building. The building requires:

a. Solar PV array system including batteries, inverters,r and wiring
b. Sixteen (16) internal lighting points
c. Four (4) security lights

Staff quarters

The staff quarters buildings are three blocks each, with four (4) rooms, and have wiring but without a solar energy system supply. There are two (2) - one via water tanks designed to receive water from an underground water tank, but without a water pump. The building requires;

a. Solar PV array system
b. Twelve (12) internal lighting points
c. Eight (8) internal sockets
d. Water pump

1.1.2 Mukathi Health Center II

Main building

The building comprises the laboratory, the store, the maternity ward, the screening area, and other administrative offices. The building relies both on-grid and off-grid power supply with the current energy demand higher than the existing supply. There is a non-functioning water pump that is expected to pump water from an underground tank to a raised water tank, which supplies water to the main building. The building requires;

a. Sufficient solar PV array system including batteries, inverter, and wiring
b. Water pump
c. Eleven (11) internal lighting points
d. Eight (8) internal sockets

Inpatient ward

The building currently accommodates ten (10) patient beds with two (2) dim bulbs. The building requires;

a. Five (5) internal lighting points
b. Five (5) internal sockets
c. Four (4) security lighting points

2. OBJECTIVES OF THE ASSIGNMENT

The main objective is to enhance the resilience and functionality of health centers in Kasese and Ntoroko districts by ensuring reliable, suitable energy for uninterrupted healthcare delivery.

The contractor will be required to:

a. Review and analyze the needs assessment (attached) and prepare a thorough offer responding to these needs.
b. Design and install two solar systems: an off-grid solar system at Bweramule Health Center and a grid-tied hybrid system at Mukathi Health Center to serve OPD, maternity ward,s and staff quarters with Lithium Batteries to ease maintenance by the health centres.
c. Provide all necessary components, including solar panels, lithium-ion batteries, inverters, charge controllers, mounting structures, and all required safety and connectivity equipment compliant with Ugandan standards.
d. Earthling- Grounding with stainless steel.
e. Install Surge protectors to protect the electronic equipment in case lightning strikes.
f. The system should abide by the area's environment and weather factors
g. Provide a system that is sustainable in all 3 dimensions of sustainability,y being economic and meeting ecological and social standards (e.g, green production, local production, decent working conditions, less toxic batteries, recycling possibilities)
h. Provide a system that is both long-lasting and easily repairable
i. To provide transport and safety of the equipment from its own warehouse to the above-mentioned health centres.

j. To assess the health center and provide recommendations to Environmental Alert at their own cost.

a) Commission both systems to full operational status, ensuring seamless integration with existing medical equipment and, for Mukathi HC, safe interconnection with the hydro grid.
b) Formally hand over the systems to health center management, including providing comprehensive "as-built" drawings, system manuals, and hands-on operational training for designated staff.

3. KEY DELIVERABLES

The Contractor shall be responsible for submitting the following tangible outputs as part of the contract fulfillment:

a. Detailed Technical Proposal & Bill of Quantities (BOQ): A comprehensive document outlining the complete system design, component specifications (make, model, capacity), and a detailed itemized cost breakdown.
b. Site Assessment Report: A pre-installation report confirming site suitability, shading analysis, and final load verification for each health center (at own cost)
c. Installation Completion Certificate: A formal signed-off document confirming all equipment has been installed according to the approved design and relevant national standards.
d. Commissioning & Testing Report: Documentation demonstrating successful system performance, including battery capacity tests, inverter output verification, and successful operation of all prioritized medical loads.
e. Supply and install the system in 2 month's period (60 working days) after the date of signing the contractual agreement.
f. Provide at least a one -year service level agreement for maintenance and provide at least 10year warranty for the system Solar panel and one year guarantee for batteries, inverter, and other hardware accessories provided.
g. Operations and Maintenance (O&M) Manuals: User-friendly manuals for health center staff, including warranty details, troubleshooting guides, and a preventive maintenance schedule.
h. Training Completion Report: Evidence of conducted training sessions for health center staff, including attendance lists and topics covered.

All deliverables shall be submitted in both hardcopy and softcopy (in an editable format).

4. GENERAL TIME SCHEDULE

The Contractor shall adhere to the following schedule for the complete execution of the contract, from mobilization to final handover. All deadlines are mandatory.

Activity	**Duration/Deadline**
Contract Signing & Mobilization	Within 5 working days of the award
Site Assessment & Final Design Submission	10 working days after mobilization
Delivery of All Materials to Site	Within 3 weeks of design approval
Installation & Civil Works	4 weeks

System Testing & Commissioning	1 week
Final Handover & Project Closeout	2 working days after successful commissioning
Total Project Duration	**2 months from contract signing**

5. REQUIREMENTS

Interested and eligible contractors must submit the following information:

a. Company profile, i.e, the type of business engaged in, the number of Directors of the Company number of years in business, the area/ locations of business, etc.
b. Certified copy of the company's licenses to operate the business (company registration certificate, articles of incorporation).
c. List of general installation works undertaken in the past five years with the names and addresses of client and contract amounts etc.
d. A certified copy of the certificate of incorporation with the URSB Stamp.
e. Latest Financial Statements.
f. Curriculum vitae for key personnel in the company
g. Approval to contact referees

6. HOW TO APPLY:

a) Submission Guidelines

Environmental Alert invites eligible bidders to submit their Requests for Proposal for solar system installation works as fully described in these TORs.

Questions/Request for Clarification:
Any questions and/or requests for clarification concerning these TORs must be submitted in writing via e-mail to jacinta.nekesa@envalert.org or carolyne.kirabo@envalert.org

The **Requests for Proposal shall be submitted in English** and typed on letter-size A4 paper, single-spaced with each page numbered consecutively and signed by an authorised person.

b) Submission deadline:

Closing date and time: all responses to these ToRs must be received by Environmental Alert (EA) no later than **5.00 pm of 8th February 2026**, and submitted to EA in soft copies to procurement@envalert.org with copies to Jacinta.nekesa@envalert.org. Responses that are submitted late, are incomplete, or do not fully respond to these ToRs may not be considered in the review process.

Environmental Alert reserves the right to reject any or all documents it rreceives And also assumes no obligation or responsibility whatsoever to compensate or indemnify the participating firms for any expenses or loss that may be incurred for the preparation of their documents for submission to EA. Submission of a Request for Proposal does not guarantee that an award will be made to any participating company.

About Environment Alert

Environmental Alert (EA) is a Ugandan Non-Governmental Organisation that was founded in 1988 and, since then, has been contributing to improved livelihoods and development in Uganda through several interventions in sustainable agriculture, environment, and natural resources management. EA is officially registered with the NGO Bureau as a Ugandan non-governmental organization, incorporated as a company limited by guarantee. EA is governed by an independent Board that is responsible for providing strategic oversight of the organization, including ensuring its integrity as a voluntary service organization. Our **Vision-** '*Resilient and dignified communities, managing their environment and natural resources sustainably.*'

About Südwind

Südwind has worked in development education and awareness raising for over 40 years. With a headquarters in Vienna and 7 regional offices in the provinces (ca 50 staff), it reaches out to local actors all over Austria. Südwind applies a unique international development expertise that it has acquired through both its education practice, particularly Global Learning, and its awareness-raising and campaign work. The diversity of Südwind's projects reflects the complexity of North-South relations, culturally, economically, environmentally, politically, and interpersonally.

Südwind is committed to environmentally, economically, and socially sustainable development, and implements projects through funding from a diverse range of donors, including ADA, the Ministry of Health and Social Affairs (BMSGPK), and the European Commission. With funding from BMSGPK, Südwind has worked for many years on decent work and training for trade unionists and works councils, on decent work and to address other global challenges.