

SUPPLY, DELIVERY & INSTALLATION OF 22.61 kWp SOLAR PV SYSTEM WITH 11 kW SURFACE PUMP FOR IRRIGATION TO SUPPORT FOUR SMALLHOLDER COOPERATIVE FARMS IN BELEDWEYNE, HIRSHABELLE, SOMALIA

Date: 06.08.2025

NIS Foundation hereby invites qualified bidders to submit a bid for the Supply, delivery, and installation of 22.61 kWp Solar PV System with 11kW Surface Pump for Irrigation to support four smallholder cooperative farms in Beledweyne, Hirshabelle State, Somalia. All interested bidders are requested to submit their applications together with the below listed support documentation and other requirements for consideration/evaluation:

- **Licenses/Registrations:** The bidder company should submit a valid license/registration certificate from both Hirshabelle Ministry of Commerce & Ministry of Commerce at FGS.
- **Tax compliance certificate:** A valid tax compliance certificate from the Ministry of Finance Hirshabelle,

Note: Failure to submit any of the above licenses will lead to automatic disqualification.

- **Statement of ownership:** The company shall submit a signed public notary document stating the ownership of the company.
- **Technical solutions within the following parameters:**
 - All system equipment must have a functioning lifespan of at least 20 years for PV panels and 10 years for power electronics and motors.
 - All materials and equipment must be proven to perform in extreme environments relating to heat, humidity, wind and dust.
 - Full technical specifications are required for all equipment and should conform to all international standards.
 - A detailed description of the proposed solution, including energy calculation (yield per hour plus variations over the year), Single Line Diagrams of all systems, and layout of the mounting structure (Ground mounted).
 - All components used in these proposals are required to be from Tier one long-term suppliers, best in their class, and providing the highest industry quality and standards.
- **Pumps, Controllers and power electronics:** irrigation pump and power electronics must be adequately protected against overvoltage, spikes, lightning strikes, etc., with fault ride-through technology. All must conform to international standards and have relevant certificates and permits.
- **Spare parts:** As part of the system the bidder must include extra minimum of spare parts,

including solar modules (5), DC cables (100m), and cable connectors (10 pcs).

- **Follow-up and servicing of installation:** This tender must include provisions for servicing and follow-up for a period of not less than two years from the system commissioning, including the deployment of technicians and replacement of any faulty components at the contractor’s own cost.
- **Previous similar work experience:** Bidders shall submit only 3 previously completed similar work experience/contracts for the past 7 years implemented with International Non-governmental Organizations (INGOs) and UN agencies in the **“Supply, delivery and installation of Solar powered irrigation pumping system of a PV capacity of 15 kWp or above”** (attach only 3 contracts with all its annexes including the BoQ of solar PV systems with **monetary value worth of USD 25,000** or above). Please note a full reference check will be done against each contract.

Please note that forged or fake contracts will lead to automatic disqualification.

SN	Activity Description	Contract Amount in USD	Activity implemented location	Year of implementation	Name of the Organization worked and their contact email
1					
2					
3					

- **Information about the firm’s background (updated company profile)**
- **Human Resources:** a list of key professional personnel for a minimum of two years of experience working with the company, including Electrical Engineer, and Project Lead Engineer (attach CVs).
- **Company Finances:** presents a duly signed statement/declaration confirming that the company is financially in a good position and able to pre-finance project works, as this is necessary.
- **Technical Proposal Requirements:** Bidders are required to submit a comprehensive technical proposal that demonstrates their understanding of the project requirements and technical capabilities. The proposal must include the following:
 - **System Design and Drawings:** A detailed system design and simulation (LORENTZ COMPASS, Grundfos, or any simulation software), including Electrical layout designs, recommended pump, motor, and controller/inverter configuration, performance curves, and civil works related to the PV and pump mounting structure, clearly illustrating the configuration of the proposed solution.
 - **Technical Descriptions and Specifications:** Narrative technical description outlining the overall system architecture (PV mounting layout, pump, motor, and controller/inverter configuration, grounding, and lightning protection designs, etc.), operational functionality, energy yield calculation, and return on the investment (ROI).
 - **Datasheets of Core Components:** Manufacturer datasheets must be provided for all key components: Photovoltaic (PV) modules, Mounting structures, pump, motor, and

controller/inverter, etc.

- **Compliance Documentation:** Test reports and conformity certificates with relevant international standards for each key component: CE Marking, RoHS Compliance, IEC Certifications, TUV Certifications, EU Declarations of Conformity.
- **Warranty:** The proposed system must carry a guarantee against design and workmanship for at least two years; all solar modules must carry a minimum performance warranty of at least 80% yield after 25 years, plus a produce warranty of at least 15 years; pump, motor, and controller/inverter must carry a minimum 2-year warranty.
- **Work plan for the activity:** The bidder company shall submit a clear and detailed activity work plan and training of local users/operators. The project implementation period is four (4) months, effective from the date of contract signing. Should the bidder be able to complete delivery and implementation in a shorter timeframe, it is requested to provide a detailed work plan showing procurement and delivery milestones (sourcing of items, shipment/transportation, and system installation).
- **BoQ price allocation accuracy and responsiveness):** The company shall submit a filled and stamped BoQ (both Excel and PDF versions).
- **Supplier ethical standard form:** Fill, stamp and submit the attached supplier ethical standard form.

All interested contractors/suppliers are requested to send electronically all the above support documents/requirements to NIS Foundation by **28th August 2025 before 11:59 PM (EAT Local time) Thursday** midnight through this email: procurement.somalia@nis-foundation.org

The subject of your email should be named as per the advertisement title **“Supply, Delivery & Installation Of 22.61 kWp Solar PV System With 11 Kw Surface Pump for Irrigation to Support four cooperative farms in Beledweyne, Hirshabelle State, Somalia”**.

Any enquiries or questions may be addressed to NIS Foundation through the abovementioned email.

OFFERS WILL BE REJECTED IF ANY ILLEGAL OR CORRUPT PRACTICES HAVE TAKEN PLACE IN CONNECTION WITH THE AWARD.

NB: NIS Foundation promotes equal opportunities for all and welcomes applications from all sections and members of society regardless of their age, gender, group membership, political and/or clan affiliation. Qualified bidders owned by women are particularly encouraged to apply.