NISFOUNDATION
Nordic International Support Foundation

DESIGN, SUPPLY, INSTALLATION, TESTING, AND COMMISSIONING OF 300 KW SOLAR PV POWER PLANT WITH 430 KWH ENERGY STORAGE SOLUTION FOR NATIONAL ELECTRIC POWER CO-OPERATIONS (NEPCO), BUURSALAH, PUNTLAND, SOMALIA.

PNTB reference number: PNTB27/2025

Date: 20.05.2025

NIS Foundation hereby invites prospective bidders to submit a bid for the Design, Supply, Installation, Testing, and Commissioning of 300 kW Solar PV Power Plant with 430 kWh Energy Storage Solution for **National Electric Power Co-operations (NEPCO)**, Bursalah, Puntland, Somalia. All interested bidders are requested to submit their applications together with the below listed support documentation and other requirements for consideration:

- **Licenses/Registrations:** The bidder company should submit a valid license/registration certificate from the Puntland Ministry of Commerce and Puntland Tender Board.
- **Tax compliance certificate:** A valid tax compliance certificate from the Ministry of Finance, Puntland.

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.
    - 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 variation over the year), Single Line Diagrams of all system components, layout of the mounting structure (ground mounted), and AC combiner board design.
    - 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.

- **Inverters, power electronics, and Energy Storage Systems:** All inverters, power electronics, and Energy Storage Systems must be adequately protected against overvoltage, spikes, lightning strikes, etc., and harmonics 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 a minimum of spare parts, including solar modules (10), DC cables (500m), and cable connectors(50pcs).
- **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 PV plant's 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 main previous similar contracts as per the below table. The company should fill in the below table with details of previous relevant/similar experience for the past 3 years in the ***''Supply, delivery and installation Solar PV plant of 100 kWp PV capacity with energy storage solution of 100 kWh or with Fuel save system coupled with diesel generators''*** (attach only 3 main contracts with all its annexes including the BoQ of solar PV systems from previous contracts with ***monetary value worth of USD 100,000*** or above for each contract that the company has implemented with INGOs and/or UN agencies (*a reference check will be done*).

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: Stamped list of key professional personnel for a minimum** of two years of experience working with the company, including (Electrical Engineer, and Project Lead Engineer), indicating the expected level of effort (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 (PVSyst or any simulation software), including Electrical layout designs and civil works related to the PV 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, Inverters, ESS, wiring, grounding, and lightning protection designs, etc.), operational functionality, integration approach to the

existing diesel generators, 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, PV inverters, Energy storage systems, Communication and monitoring equipment, 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 a 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; all inverters and energy storage system must carry a minimum 5-year warranty.
- **Work plan for the activity:** The bidder company shall submit a clear and detailed activity work plan and training of local technicians/ operators. The project implementation period is six (6) 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) organized into two sections. The first section includes all system components, cables, and accessories required for the project. The second section covers transportation, civil works, installation, training of operators, and post-installation service.
- **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 10th **Jun 2025** before **11:59 PM (EAT Local time) Tuesday** midnight through this email: **procurement.somalia@nis-foundation.org**

The subject of your email should be named as per advertisement title "**Design, Supply, Installation, Testing, and Commissioning of 300 kW Solar PV Power Plant with 430 kWh Energy Storage Solution for National Electric Power Co-operations (NEPCO), Buursalah, Puntland, Somalia**".

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

OFFERS WILL BE REJECTED IF ANY ILLEGAL OR CORRUPT PRACTISES 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/contractors owned by women are particularly encouraged to apply.