



Ministério das Finanças
e do Fomento Empresarial
Unidade de Gestão
de Projetos Especiais

UNIDADE DE GESTÃO DE PROJETOS ESPECIAIS

CABO VERDE RENEWABLE ENERGY AND IMPROVED UTILITY PERFORMANCE PROJECT

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AMENDMENT

**Request for Bids
Goods
(One-Envelope Bidding Process)**

**Procurement of:
Supply, Installation and Commissioning of Grid-Connected
Photovoltaic Systems for self-consumption of the Health Centers
of Cabo Verde and Equipment for Energy Efficiency**

RFB No: 011/REIUP/UGPE

**Project: Renewable Energy and Improved Utility Performance
Project**

**Purchaser: Unidade de Gestão de Projectos Especias -
Ministério das Finanças e do Fomento Empresarial**

Country: Republic of Cabo Verde

Issued on: July 26, 2023

AMENDMENT #3 - RFB Refº: 011/REIUP/UGPE

THIS **RFB AMENDMENT#3** to the RFB Refº: 011/REIUP/UGPE - Supply, Installation and Commissioning of Grid-Connected Photovoltaic Systems for self-consumption of the Health Centers of Cabo Verde and Equipment for Energy Efficiency is entered into 26 days of the month of July 2023.

CONSIDERING the request for clarifications requested by the bidders;

CONSIDERING the clarifications provided by the client, there is a need to proceed to modifications in the RFB issued on June 7, 2023 thus, the RFB is modified the points as follows:

Section VII – Schedule of Requirements

3.3. SPECIFICATIONS APPLICABLE TO COMPONENTS

3.3.2. INVERTERS

Technical Requirements

Inverters must comply with the following requirements:

- Be of the same manufacturer and brand;
- Are grid inverters for parallel public grid operation;
- Are three phase inverters (230/400 V at 50 Hz) for three phase installations, which can admit mit a solar field voltage of up to 1000 V;
- Are single phase inverters (230V at 50 Hz) for single phase installations, which can admit a solar field of up to 500V
- Are transformerless;
- Have a maximum efficiency equal or higher than 98% and European efficiency equal or higher than 97,5%;
- Have two maximum power point trackers (MPPT);
- The total harmonic distortion shall be lower than 2%;
- Have the ability to operate at power factor between 0,8 and 1, inductive and capacitive
- Have protection class IP65 or higher; – Have DC break incorporated;

Section VII – Schedule of Requirements

- Have the ability to detect PV field insulation faults and generate adequate alarms compatible with the Energy Metering and Monitoring System bid;
- Have the function and/or interface compatible with the Energy Metering and Monitoring System bid.

Preference will be given to inverters, which, by construction, are easy to electrically and mechanically disassemble. This characteristic must be proved with equipment specific documentation, as installation manual. The manual page where this characteristic is explicit must be clearly signaled by the Bidder.

Additionally, Inverter manufacturers must have ISO 9000 standard implemented at the supply factory, which must be proved with a manufacturer declaration duly signed and stamped.

All other terms and conditions of the RFB, which are not amended or modified by the provisions of this Amendment n#3 shall remain unchanged.

Nuno Gomes – UGPE Coordinator

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