Ministério das Finanças
Unidade de Gestão de Projectos Especiais

Renewable Energy
and Improved Utility Performance Project

Pre-Bid Meeting for the Request for Bids

PLANT Design, Supply, and Installation of

Five (5) Energy Storage Systems in :

FOGO island : 2.08 MW & 2.08 MWh

SANTO ANTÃO island : 1.4 MW & 2 MWh

SÃO NICOLAU island : 0.5 MW & 1 MWh

MAIO island : 0.5 MW & 1 MWh

BRAVA island : 1.1 MW & 6.6 MWh

RFB No: 016/REIUP/UGPE-2

April 25, 2024

AGENDA

- Introduction
- Brief summary of the Request for Bids (RfB)
- Brief summary of the Scope of Work (SoW)
- Presentation of the sites
  - Fogo
  - Maio
  - Santo Antão
  - São Nicolau
  - Brava

Brief summary of the Request for Bids (RfB)

PLANT Design, Supply, and Installation of 5 Energy Storage Systems with a minimum of:

- 2.08 MW & 2.08 MWh in Fogo Island.
- 1.4 MW & 2 MWh in Santo Antão Island.
- 0.5 MW & 1 MWh in São Nicolau Island.
- 0.5 MW & 1 MWh in Maio Island.
- 1.1 MW & 6.6 MWh in Brava island.

of usable capacity and the associated Integration Equipment at:

- Electra Thermal Power Plants in São Filipe, Porto Novo, Tarrafal de São Nicolau, Porto Inglés, and Favatal.

- *Issued date:* *March 26, 2024.*
- *Deadline for clarification :* *June 05 , 2024.*
- *Deadline for Soumission :* *June 20, 2024, 3 pm (Cabo Verde Time)*
- *Anticipated award date :* *September 2024.*

Bid and communication Language : ENGLISH

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Brief summary of the Request for Bids (RfB)

Bid Submission : Paper or Electronic

Paper : Separated Technical and Financial envelopes in original, 3 copies, USB device (separate files protected by different passwords). **(ITB 22.1)**

Electronic : Technical and financial proposals in separate files protected by different passwords. **(ITB 23.1)**

Alternative Bids shall not be considered. (ITB 13.1)

Alternative technical solutions shall not be permitted. (ITB 13.4)

Requested documentation for Bid Acceptance before Qualification and Technical Evaluation

The Bid shall include :

- **A BANK GUARANTEE of 100 000 USD (as Bid Security), can be ORIGINAL or ELECTRONIC (in this case the original shall be received by the July 4th, 2024). (ITB 20.1)**
- **A WRITTEN POWER of ATTORNEY to demonstrate the authority of the signatory. (ITB 21.3)**

AND

- **Be VALID until October 18, 2024 (ITB 19.1).**

Requested documentation for qualification evaluation

as specified in the section III – Part 1.

- Eligibility, Historical Contract Non-Performance, Financial Situation, and
- Experiences as main contractor, joint venture member, subcontractor, or management contractor
  - Battery Energy Storage System and Medium Voltage substations, for at least the last eight (8) years starting 1st January 2016.
  - Front-of-Meter BESS projects of Design, Supply, Installation, and Commissioning of:
    - At **least 02 (two) contracts of MV-Grid connected BESS Plant** of **cumulative capacity** of not less than **10 MW** and each contract of not **less than 2 MW**.
    - At least **two (2) MV-Grid connected BESS Plants**, having **minimum capacity of 2 MWh** each in a single installation (single point of connection).
    - Eligibility and qualifications of the **Specialized Subcontractor for BESS** may be included to enhance the bidder qualifications provided that the named Specialized Subcontractor is the supplier and installer of the approved BESS. Under no circumstances may **this Subcontractor be changed after contract award**.
  - Two (2) contracts for the design, supply, installation, and commissioning of MV substations of Um>=20 kV.
  - Experience in managing Energy Storage risks and impacts in the following aspects:
    - Experience with UN 38.3 or IEC 62281 standards.
    - Experience with the World Bank's "Environmental and Social Standards" and the "Environmental and Social Framework" or IFC's "Environmental and Social Sustainability Performance Standards", or equivalent.

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Requested documentation for technical evaluation

The Technical Proposal shall include :

- Technical documentation as specified in the **Section IV – Bidding forms** and **Section VII - Employer's Requirements.**
- **As specified in the ITB 11.2 (i)** :
  - Code of Conduct for Contractor's Personnel (ES).
  - Management Strategies and Implementation Plans (MSIP) to manage ES risks.
  - Environnemental Management System (EMS) Implementation Plan.
  - Aspects and Impacts register for the technology solution.
  - Cyber security risk analysis.
  - Supply chain risk analysis.
- **Appendices 10 A to 10 E**

Brief summary of the Request for Bids (RfB)

Technical scoring methodology

- A - Proposed Works, Approach and Methodology : 50 %
- B - Value Addition: 05 %
- C - Key Equipment: 30 %
- D - O&M management strategy and work program: 15 %

Minimum score required to pass the criteria C and D:50 % on both C & D

The weight to be given for technical factors is: 70 %.

Requested documentation for Financial evaluation

- Financial documentation as specified in the **Section IV – Bidding forms.**

And as specified in the ITB 11.3 (d) :

- Schedules No. 7 to 10 for the calculations of Life Cycle Costs (LCC) for 20 years.
  - Schedules No. 7. Design & Equipment Supplied from Abroad.
  - Schedule No. 8. Design & Equipment Supplied from Within the Employer's Country.
  - Schedule No. 9. Disposal Costs.
  - Schedule No. 10. Operation & Maintenance Services.

Financial evaluation is based on the Price of Bid and financial adjustments such as:

- Deviation in Time for Completion.
- Life cycle costs: the projected operating and maintenance costs during the life of the Facilities.
- Functional Guarantees of the Facilities.

The weight to be given for Cost is: 30 %.

Brief summary of the Scope of Work (SoW)

Scope of work for ESS contractor, not limitave – REFER to the RfB documentation

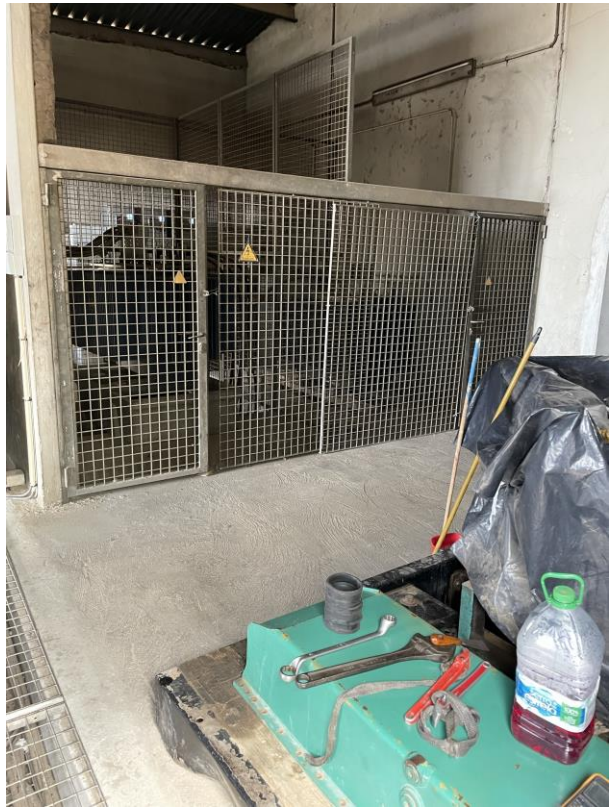
MAIO	FOGO	BRAVA / SANTA ANTÃO	SÃO NICOLAU
ESS FIELDS			
Civil works ESS Installation Electrical Balance of plant Commissioning Fencing and site security	Platform preparation (Drainage, Roads…) Civil works ESS Installation Electrical Balance of plant Commissioning Fencing and site security	Civil works ESS Installation Electrical Balance of plant Commissioning Fencing and site security	Platform preparation (Drainage, Roads…) Civil works ESS Installation Electrical Balance of plant Commissioning Fencing and site security
WORKS within the ELECTRA POWER PLANTS' ENCLOSURE			
Supply and Installation of the buried cable to connect to the Electra power plant	Civil works (trenches, manholes, conduits…) Supply and Installation of the buried cable to the MV Room (inside ELECTRA Facility)	Civil works (trenches, manholes, conduits…) Supply and Installation of the buried cable to the new substation (built by other)	Civil works (trenches, manholes, conduits…) Supply and Installation of the buried cable to the MV Room (inside ELECTRA Facility)
WORKS in the MV ROOM (Electra Swiching Roomw or New Substations)			
Supply and installation of ESS cabinet, circuit breaker and protection cabinets			

Maio site

LOCATION OF THE ESS

The ESS Facility (0.5 MW – 1 MWh) is located in the peri-urban area of the City of Porto Inglês (1.5 km north of the city), within the Solar PV enclosure.

Latitude	Longitude
15.1465315640	-23.1972751910



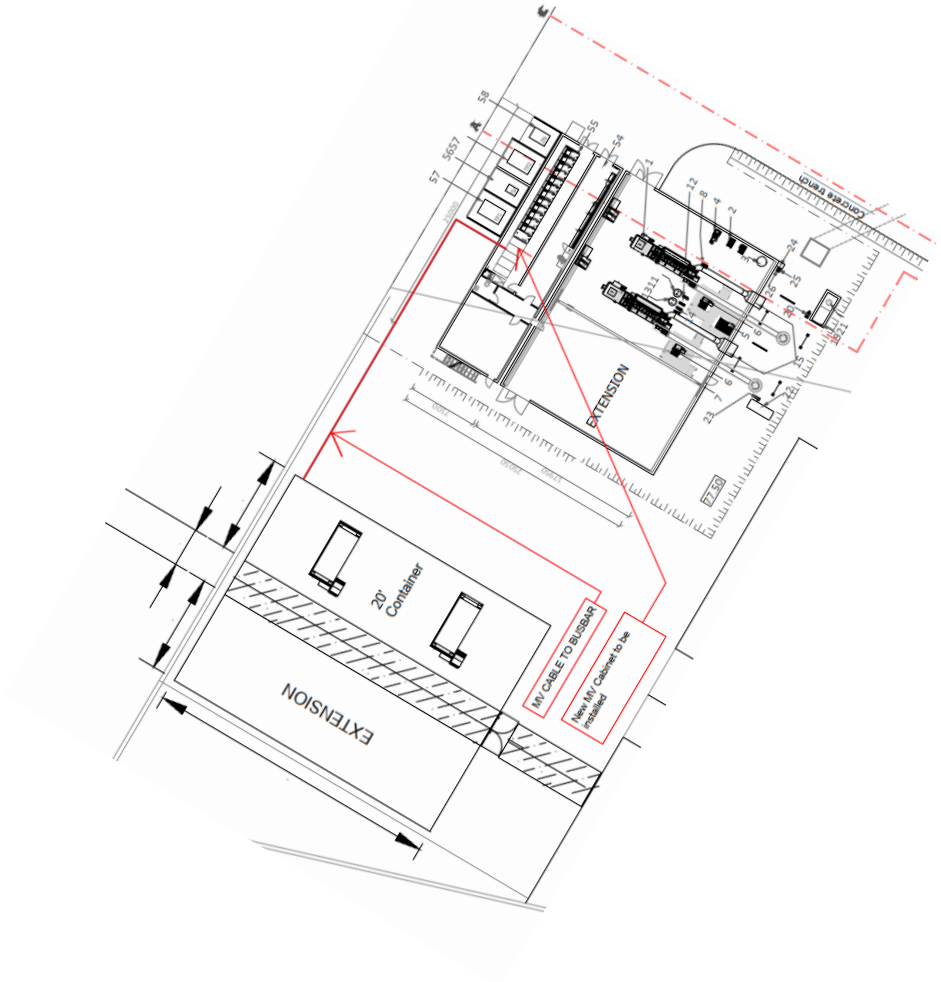
Fogo site

LOCATION OF THE ESS

The ESS Facility (2.08 MW – 2.08 MWh) will be built in the east of the island of Fogo within the ELECTRA Thermal plant enclosure, about 3 km from the town of São Filipe.

The site is located is served by the road which connects São Filipe to the port.

Latitude	Longitude
14.921998°	-24.500666°



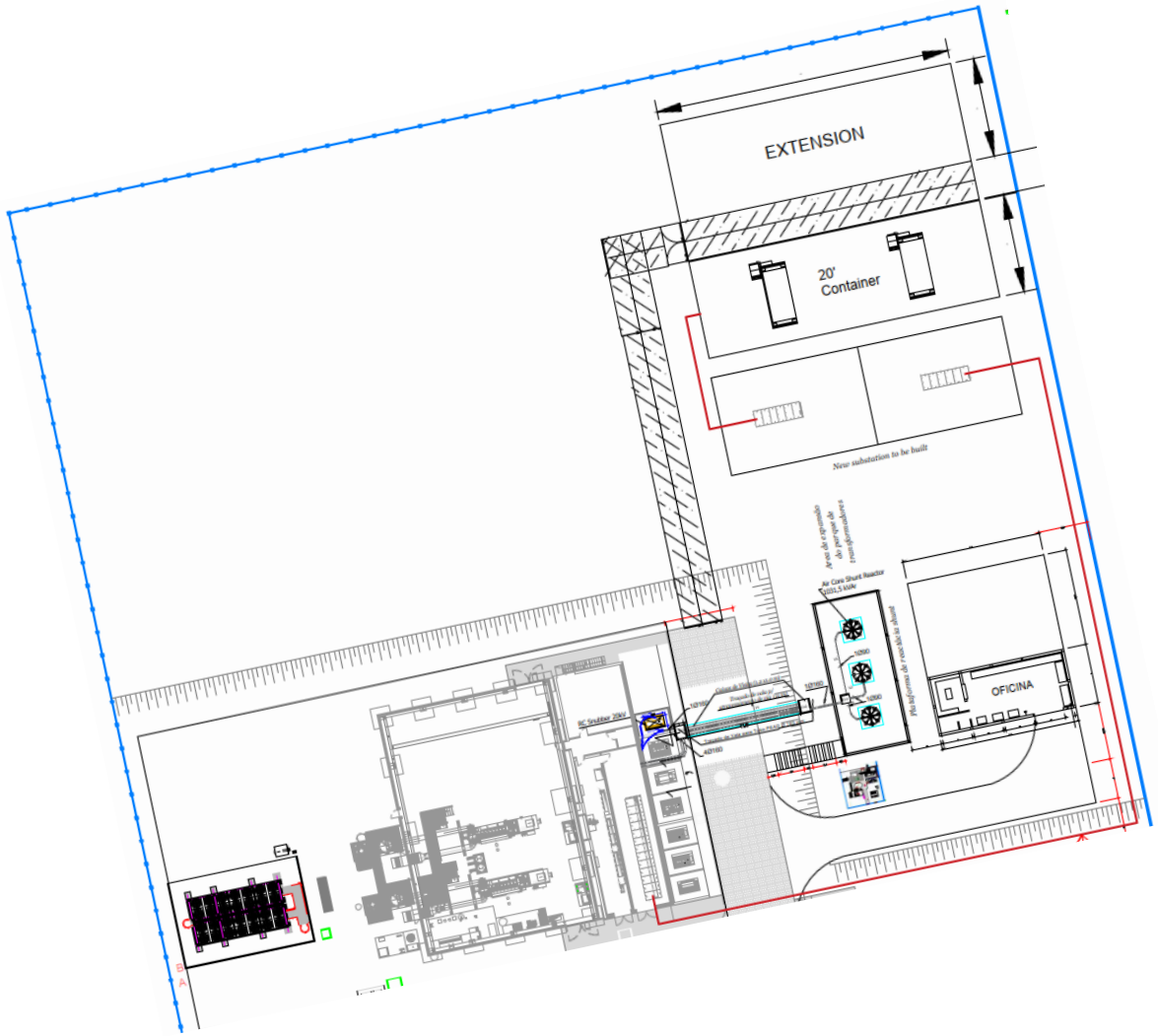
VIEWS OF THE ESS SITE

Santo Antao site

LOCATION OF THE ESS

The ESS (1.4 MW – 2 MWh) is located within the area of Fundão, in the south of the island, about 2 km West of the City of Porto Novo, immediately North of the road EN3-SA-12 Porto Novo / Ribeira da Cruz.

The BESS platform (built by other) is located within the Electra power plant enclosure.

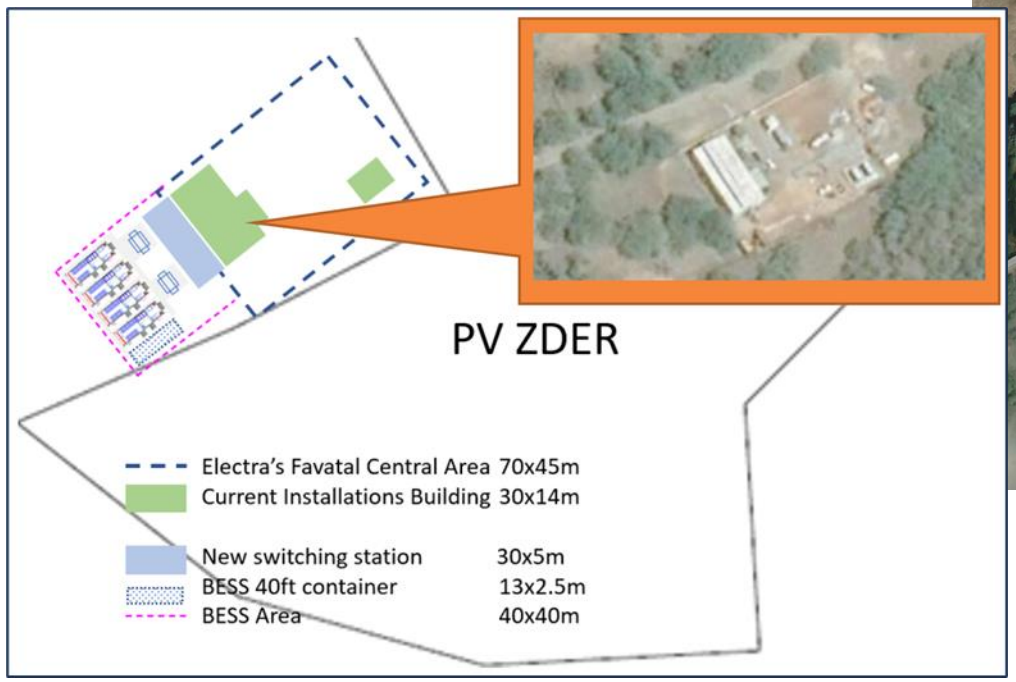


Brava site

LOCATION OF THE ESS

The ESS (1.1 MW – 6.6 MWh) is located within the area of Favatal, in the north of the island, about 3 km West on the heights of the Village of Furna.

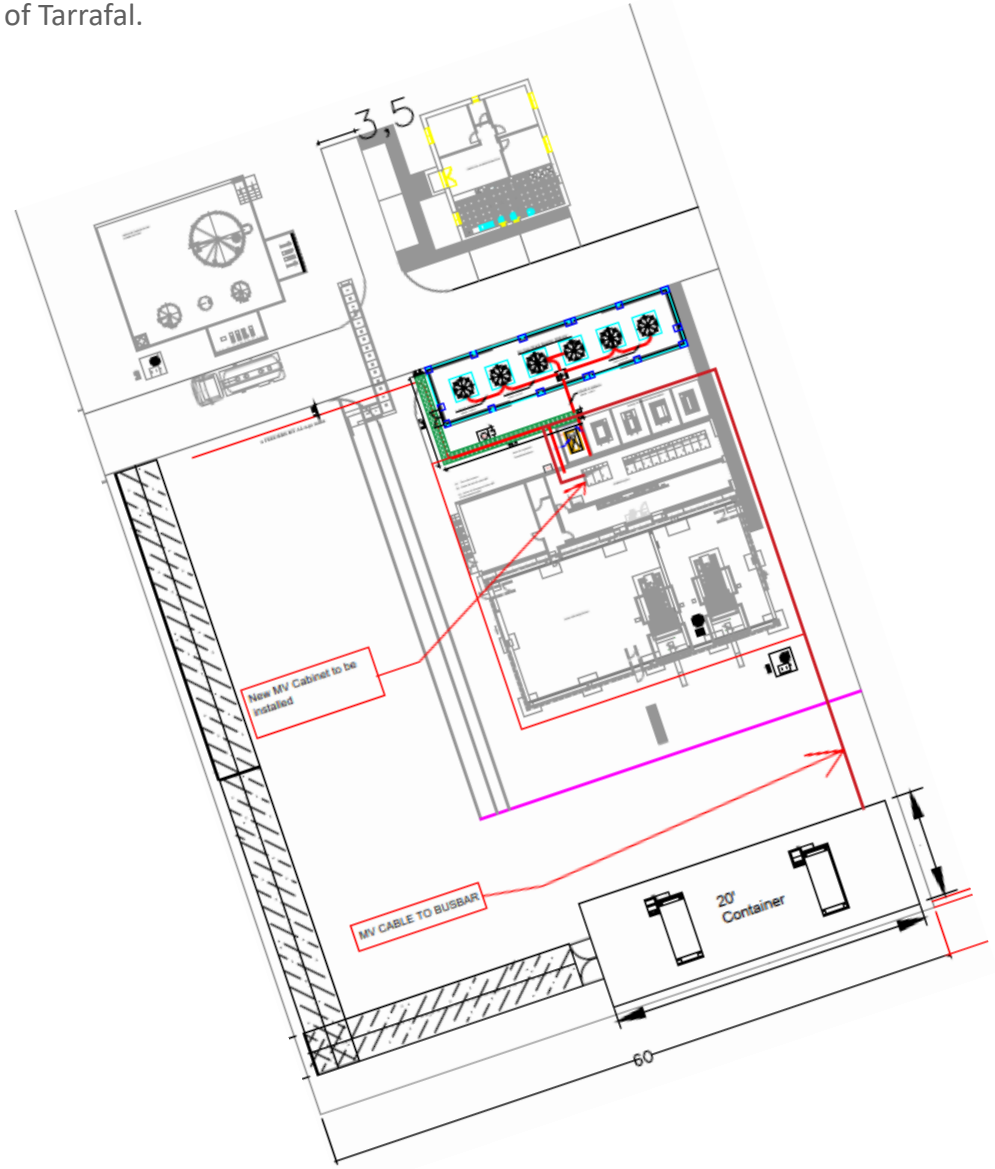
The BESS platform (built by other) is located close to the Electra power plant and the new substation (built by other).



São Nicolau

LOCATION OF THE ESS

The ESS Facility (0.5 MW – 1 MWh) will be built in the south of the island of São Nicolau within the ELECTRA Thermal plant enclosure, about 2,5 km from the town of Tarrafal.



Views of the site

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For Questions & Clarifications

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