



Call for Expressions of Interest Enabel  
Mozambique ref. MOZ1503411-10013 of  
24/03/2021

Public works contract for the “Design, procurement and construction of 5 hybrid mini-grids in Zambézia and Nampula provinces in Mozambique”

Procedure: Competitive Negotiated Procedure

1<sup>st</sup> phase: Expression of Interest

Country: Mozambique

## Table of Contents

PREAMBLE.....	3
<b>DEVIATIONS FROM THE BELGIAN PROCUREMENT LAW &amp; GENERAL IMPLEMENTING RULES .....</b>	<b>3</b>
<b>1 General .....</b>	<b>5</b>
1.1 Contracting authority.....	5
1.2 Institutional framework of Enabel .....	5
1.3 Rules governing the public contract .....	6
1.4 Definitions.....	6
1.5 Confidentiality.....	8
1.6 Deontological obligations .....	9
1.7 Applicable law and competent court.....	10
<b>2 Object and scope of the contract .....</b>	<b>11</b>
2.1 Type of contract.....	11
2.2 Object and scope of the project .....	11
2.3 Lots.....	11
2.4 Implementation period.....	12
2.5 Variants .....	12
2.6 Quantities.....	12
<b>3 Procedure.....</b>	<b>13</b>
3.1 Award procedure .....	13
3.2 Publication .....	13
3.3 Information .....	14
3.4 European Single Procurement Document (ESPD).....	14
3.5 Grounds for exclusion .....	15
3.6 Selection Criteria.....	16
3.7 Capacity of third parties.....	17
3.8 Submission of expression of interest.....	18
<b>4 Terms of Reference.....</b>	<b>20</b>
4.1 General context .....	20
4.2 Objectives .....	20
4.3 Technical Requirements.....	22
<b>5 Forms.....</b>	<b>26</b>
5.1 European Single Procurement Document (ESPD).....	26
5.2 Economic and Financial Capacity – Criterion 1: Average annual turnover .....	26
5.3 Economic and Financial Capacity – Criterion 2: Access to credit.....	26
5.4 Technical capacity – Criterion 1: Main similar works.....	27
5.5 Technical capacity – Criterion 2: Supervisory staff to be employed on the contract .....	30

## **PREAMBLE**

### **DEVIATIONS FROM THE BELGIAN PROCUREMENT LAW & GENERAL IMPLEMENTING RULES**

- Deviations from the Belgian Procurement Law

Article 14§1 of the Belgian law of 17 June 2016 on public procurement favours the use of the e-tendering application for the procurement of public contracts by any Contracting Authority such as Enabel. Still, pursuant to article 14§2,3° of the same law, transmission of expressions of interest and Tenders by alternative means is permitted. Whereas economic operators who may take an interest in the project may not sufficiently master the said application or suffer access to the internet, the Contracting Authority does not wish to impose its use.

- Deviations from the Belgian general implementing rules for public contracts

By reference to article 9 of the Royal Decree of 14 January 2013 Enabel advises that with respect to the Works as hereinafter described all or a substantial number of the provisions of the General Implementing Rules may not apply. The motivation of this approach is motivated as follows:

1. agreement between the parties: project award is not merely based on the tender documents and the Contractor's compliant offer (a "marché public" according to the traditional rules). It is the result of negotiations and represents a stand-alone agreement between the parties.
2. considerations that shall be (further) developed in detail in annex to the Particular Implementing Rules upon their publication.

The Contracting authority may go as far as to negotiate a contract with Tenderers based on the FIDIC Conditions of Contract for Plant & Design Build (first edition 1999 or second edition 2017). Provided use of that format was the condition precedent of the preferred tenderer firstly to respond to the Call for Expressions of Interest and submit a request for pre-qualification and secondly to submit a tender.

In the event that a contract is concluded by reference to the General Implementing Rules, deviations from the provisions thereof may affect the following clauses.

- |                 |  |
|-----------------|--|
| - Art. 11       | Contracting authority representative   |
| - Art. 12       | Subcontractors   |
| - Art. 16       | Contractor's personnel   |
| - Art. 19       | Use of Foreground Intellectual property  |
| - Art. 22       | Sub-licenses   |
| - Art. 23       | Mutual assistance and warranty   |
| - Art. 24       | insurance  |
| - Art. 26-27    | Performance bond   |
| - Art. 33       | Cancellation of performance bond   |
| - Art. 35-36    | Basic and detailed design, Plans, (shop) drawings<br>ea. documents, samples etc. produced by the Contracting<br>authority and the Contractor |
| - Art. 38/1     | Additional works, services and supplies  |
| - Art. 38/3     | Price revision   |
| - Art. 38/9     | Unforeseeable circumstances  |
| - Art. 38/14-18 | Claims   |

- Art. 42	Tests on completion
- Art. 43	Tests after completion
- Art. 44	Default and sanctions
- Art. 47§1 and §3	Measures by authority
- Art. 64-65	Taking over and warranties
- Art. 66	Payment
- Art. 67	Advance payment
- Art. 73	Judicial claims
- Art. 74	Direction and control
- Art. 77	Access to Site and premises
- Art. 79	Site organisation
- Art. 84	Changes
- Art. 83	Logbook
- Art. 84_	Liability
- Art. 87	Measures by Authority

---

# 1 General

## 1.1 Contracting authority

The contracting authority of this public contract is Enabel, Belgian development agency, further called “Enabel”, public-law company with social purposes, with its registered office at Rue Haute 147, 1000 Brussels in Belgium (enterprise number 0264.814.354, RPM/RPR Brussels).

Enabel, supports the developing countries in the fight against poverty on behalf of the Belgian government. In addition to this public service mission, Enabel also performs services for other national and international organisations contributing to sustainable human development. Moreover, Enabel can also perform other development cooperation missions at the request of public interest organisations, and it can develop its own activities to contribute towards realization of its objectives.

For this public contract, Enabel is represented by Ms. Laurence Janssens, Resident Representative of Enabel in Mozambique.

## 1.2 Institutional framework of Enabel

The general reference framework under which Enabel operates is the Belgian Law of 19 March 2013 on Development Cooperation<sup>1</sup>, the Belgian Law of 21 December 1998 establishing the Belgian Technical Cooperation as a public-law company<sup>2</sup> as well as the Belgian Law of 23 November 2017<sup>3</sup> changing the name of the Belgian Technical Cooperation and defining the missions and functioning of Enabel, the Belgian development agency.

The following developments are also a leitmotiv in Enabel operations: We mention as main examples:

- In the field of international cooperation: The United Nations Sustainable Development Goals and the Paris Declaration on the harmonisation and alignment of aid are important touchstones;
- In the field of fighting corruption: The Law of 8 May 2007 approving the United Nations Convention against Corruption, adopted in New York on 31 October 2003<sup>4</sup>, as well as the Law of 10 February 1999 on the Suppression of Corruption transposing the Convention on Combating Bribery of Foreign Public Officials in International Business Transactions;
- In the field of Human Rights: The United Nations’ Universal Declaration of Human Rights (1948) as well as the 8 basic conventions of the International Labour Organisation<sup>5</sup> on Freedom of Association (C. n°87), on the Right to Organise and Collective Bargaining (C. n°98), on Forced Labour (C. n°29 and 105), on Equal Remuneration and on Discrimination in Respect of Employment (C. n°100 and 111), on Minimum Age for Admission to Employment (C. n°138), on the Prohibition of the Worst Forms of Child Labour (C. n°182);
- In the field of respecting the environment: The Climate Change Framework Convention adopted in Paris, 12 December 2015;

<sup>1</sup> Belgian Official Gazette of 26 march 2013

<sup>2</sup> Belgian Gazette of 30 December 1998

<sup>3</sup> Belgian Official Gazette of 11 December 2017

<sup>4</sup> Belgian Official Gazette of 18 November 2008.

<sup>5</sup> <http://www.ilo.org/ilolex/english/convdisp1.htm>.

- The first Management Contract concluded between Enabel and the Belgian Federal State, approved by the Royal Decree of 17 December 2017, that sets out the rules and the special conditions for the execution of public service tasks by Enabel on behalf of the Belgian State.
- Enabel's Code of Conduct of January 2019, Enabel's Policy regarding sexual exploitation and abuse of June 2019 and Enabel's Policy regarding fraud and corruption risk management of June 2019;

### 1.3 Rules governing the public contract

This public contract shall be governed by the Belgian law, among others:

- The Law of 17 June 2016 on public procurement<sup>6</sup>;
- The Law of 17 June 2013 on motivation, information and remedies in respect of public contracts and certain works, supply and service contracts<sup>7</sup>;
- The Royal Decree of 18 June 2017 concerning the award of public contracts in the special sectors<sup>8</sup>;
- The Royal Decree of 14 January 2013 establishing the General Implementing Rules of public contracts<sup>9</sup>;
- Circulars of the Prime Minister with regards to public contracts<sup>6</sup>.
- Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data (General Data Protection Regulation – 'GDPR'), and repealing Directive 95/46/EC.
- Law of 30 July 2018 on the protection of natural persons with regard to the processing of personal data.
- Enabel's Policy regarding sexual exploitation and abuse – June 2019;
- Enabel's Policy regarding fraud and corruption risk management – June 2019;

All Belgian regulations on public contracts can be consulted on [www.publicprocurement.be](http://www.publicprocurement.be); Enabel's Code of Conduct and the policies mentioned above can be consulted on Enabel's website via <https://www.enabel.be/content/integrity-desk>.

### 1.4 Definitions

The following definitions shall be used for the purposes of this Call for Expressions of Interest:

- Bill of quantities: The contract document, in a public works contract, which splits up the performance in different items and specifies the quantity, the unit prices or the method to determine the price for each major item of the works.
- Call for Expressions of Interest: this document.

---

<sup>6</sup> Belgian Official Gazette of 14 July 2016.

<sup>7</sup> Belgian Official Gazette of 21 June 2013.

<sup>8</sup> Belgian Official Gazette of 23 June 2017.

<sup>9</sup> Belgian Official Gazette of 14 February 2013.

- Call for Tenders: the set of documents that the Contracting Authority shall submit to Tenderers in view of the submission of their Tender;
- Candidate: an economic operator that seeks pre-qualification/to be selected for receipt of the Call for Tenders and submission of a Tender.
- Contractor / building contractor: The tenderer to whom the works are awarded and with whom the contract is concluded;
- Contracting authority: Enabel, represented by the Resident Representative of Enabel in Mozambique;
- Corrupt practices: The offer of a bribe, gift, gratuity or commission to any person as an inducement or reward for performing or refraining from any act relating to the award of a contract or implementation of a contract already concluded with the contracting authority;
- Days: In the absence of any indication in this regard in the invitation for expressions of interest, the tender documents and/or the applicable regulations, all days should be interpreted as calendar days;
- Employer's Requirements: the documents that are part of the contract and that describe or define: the purpose of the works; the scope of the works including i.a. basic design, design criteria, detail design, deliverables, contractor documents for review by contracting authority representative, construction and installation methods, different tests (FAT, SAT, tests on and after completion, calibration requirements, ea.); contractor's personnel requirements (incl. design capacity,) performance, technical and evaluation indicators, guarantees and criteria; end users' training requirements; sequence and timing requirements (baseline programme, schedule programming software ea.); QA/QC; battery limits, tie-ins and interface management, third parties coordination rules, site and community rules; spare part requirements; etc.
- General Implementing Rules: Rules given in the Belgian Royal Decree of 14 January 2013 establishing the general rules for the performance of public contracts;
- Litigation: Court action.
- Option: an accessory element which is not part of the original scope of the works but which is introduced in the contract on demand of the contracting authority or on the initiative of the tenderer and that become a part of the works upon the contracting authority exercising the option;
- Technical specifications: A specification in a document defining the characteristics of a product or a service, such as the quality levels, the environmental and climate performance levels, the design for all kinds of needs, including access for people with disabilities, and the evaluation of conformity, the product performance, the use of the product, the safety or dimensions, as well as requirements applicable to the product as regards the name under which it is sold, the terminology, symbols, the testing and test methods, the packaging, the marking or labelling, instructions for use, the production processes and methods at any stage of the life cycle of the supply or service, as well as the evaluation and conformity procedures;
- Tender: The commitment of the tenderer to perform the public contract under the conditions that he has submitted;

- Tenderer: A pre-qualified economic operator that submits a tender;
- Tender documents: On the one hand the proposed contract documents, their annexes as well as the documents they refer to and on the other hand all other documents that the Contracting authority submits to the Tenderers in view of the submission of their Tenders;
- Variant: An alternative method for the design or the execution of the works that is introduced either at the demand of the contracting authority, or at the initiative of the tenderer.
- Subcontractor in the meaning of public procurement regulations: The economic operator proposed by a tenderer or contractor to perform part of the contract. The subcontractor is understood as the economic operator with full capacity to complete such part, which the applicant or tenderer relies upon or to whom he entrusts all or part of his corresponding undertakings.
- Controller in the meaning of the GDPR: the natural or legal person, public authority, agency or other body which, alone or jointly with others, determines the purposes and means of the processing of personal data.
- Sub-contractor or processor in the meaning of the GDPR: a physical or legal person, public authority, agency or other body which processes personal data on behalf of the controller.
- Recipient in the meaning of the GDPR: a physical or legal person, public authority, agency or another body, to which the personal data are disclosed, whether a third party or not.
- Personal data: any information relating to an identified or identifiable physical person ('data subject'); an identifiable physical person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that physical person.

## 1.5 Confidentiality

### 1.5.1 Processing of personal data by the contracting authority

The contracting authority undertakes to process the personal data that are communicated to it in response to the Call for Expressions of Interest and the Call for Tenders with the greatest care, in accordance with legislation on the protection of personal data (General Data Protection Regulation, GDPR). Where the Belgian law of 30 July 2018 on the protection of physical persons with regard to the processing of personal data contains stricter provisions, the contracting authority will act in accordance with said law.

### 1.5.2 Confidentiality

The Candidates, the Tenderers or the Contractor and Enabel are bound to secrecy vis-à-vis third parties with regards to any confidential information obtained within the framework of or pursuant to the Call for Expressions of Interest and/or the Call for Tenders and or the contract. They will only divulge such information to third parties after receiving the prior written consent of the other party (thereby concerned). They will disclose this confidential information only among appointed personnel and consultants involved in the project. They guarantee that said persons will be adequately informed of their obligations in respect of the confidential nature of the information and that they shall comply therewith.

PRIVACY NOTICE OF ENABEL: Enabel takes privacy seriously. Enabel undertakes to protect and process personal data with due care, transparently and in strict compliance with privacy protection legislation.

## **1.6 Deontological obligations**

**1.6.1.** Any failure to comply with one or more of the deontological clauses may lead to the exclusion of the faulty Candidate, Tenderer or Contractor from other public procurement contracts for Enabel.

**1.6.2.** For the duration of the contract, the Contractor and his staff shall respect human rights and undertake not to go against political, cultural or religious customs of the country where the works shall be executed.

**1.6.3.** In accordance with Enabel's Policy regarding sexual exploitation and abuse, the contractor and his staff have the duty to behave in an irreproachable manner towards the beneficiaries of the projects and towards the local population in general. They must abstain from any acts that could be considered a form of sexual exploitation or abuse and they must abide by the basic principles and guidelines laid down in this policy.

**1.6.4.** Any attempt of a candidate or a tenderer to obtain confidential information, to proceed to illicit arrangements with competitors or to influence the evaluation committee or the Contracting authority during the investigation, clarification, evaluation and comparison of Candidates and Tenders leads to the rejection of his application or the tender.

**1.6.5.** Moreover, in order to avoid any impression of risk of partiality or connivance in the follow-up and control of the performance of the contract, it is strictly forbidden to the Contractor to offer, directly or indirectly, gifts, meals or any other material or immaterial advantage, of whatever value, to agents of the contracting authority who are concerned, directly or indirectly, during the follow-up and/or control of the performance of the procurement contract, regardless of their hierarchical rank. An application for pre-qualification or Tenders shall be rejected and the contract shall be cancelled when it is evidenced that the pre-qualification, the award or the execution involved a transfer of extraordinary commercial expenditures. Such commercial expenditures pertain to fees not made clear in the frame of the pre-qualification or award procedure, any commission that does not relate to services effectively and legally provided, any fee paid to a tax paradise or to a person not properly identified or to a business that is merely about window dressing.

**1.6.6.** The contractor commits to supply, upon the demand of the Contracting authority, any supporting documents related to the performance conditions of the contract. The Contracting authority will be allowed to proceed to any control, on documents or on site, which it considers necessary to collect evidence to support the presumption of extra-ordinary commercial expenditure. Depending on the gravity of the facts observed, the contractor having paid extra-ordinary commercial expenditure may have its contract cancelled or be permanently excluded from receiving funds.

**1.6.7.** In accordance with Enabel's Policy regarding sexual exploitation and abuse of June 2019 and Enabel's Policy regarding fraud and corruption risk management complaints relating to issues of integrity (fraud, corruption, etc.) must be sent to the Integrity desk through the <https://www.enabelintegrity.be> website.

## **1.7 Applicable law and competent court**

The Call for Expressions of Interest, the Call for Tenders and/or the contract must be implemented, performed and/or interpreted according to Belgian law. The parties commit in good faith to perform their duties pursuant to the Call for Expressions of Interest, the Call for Tenders and, in the event, the contract. In case of dispute between the Contracting Authority and the contractor, the parties will consult in order to resolve the matter amicably. If no settlement succeeds, the Brussels tribunals and courts on an exclusive basis are competent.

## 2 Object and scope of the contract

### 2.1 Type of contract

Public contract for works: the design, execution and completion of works related to one of the activities referred to in Annex I of the Law of 17 June 2016 on public procurement.

### 2.2 Object and scope of the project

The project pertains to one or more lots (parcels) of the works known as “Design, procurement and construction of 5 hybrid mini-grids in Zambezia and Nampula provinces in Mozambique”.

### 2.3 Lots

The project consists of 5 lots (parcels), each of which constitutes one full and indivisible parcel. Candidates may apply for one, several or all/the lots.

The lots are as follows:

#### Cluster A

- Lot 1 – Milhana, Nampula
- Lot 2 – Muite, Nampula

#### Cluster B

- Lot 3 – Alto Maganha (Nagonha), Zambezia
- Lot 4 – Idugo Island, Zambezia

#### Cluster C

- Lot 5 – Mugulama, Zambezia

The brief description of each lot is included in section 4 of this Call for Expressions of Interest. This section will not be the subject of further questions or explanations in the 1<sup>st</sup> (pre-qualification) phase of the tender procedure. They are provided to give potential Candidates an idea about the services, supplies and works that are expected to be performed in the frame of the contract.

The Call for Expressions of Interest will be supplemented with the Tender Documents provided in the 2<sup>nd</sup> phase (contents of the tender, award criteria, arrangements for negotiations, deadline for submission of tenders, etc.) and with the contractual clauses relating to the performance of the contract. The Tender documents will be sent to the selected Candidates (only) with the Call for Tenders.

During the Call for Expressions of Interest (1<sup>st</sup> phase), Candidates are not required to indicate the specific lot(s) they are applying for. Based on the technical and financial capacities of the Candidates, the Contracting Authority will invite Candidates to submit a full technical and financial proposal for a specific number of lots during the Call for Tenders 2<sup>nd</sup> phase).

The Contracting authority may restrict the number of lots that can be awarded to a single Tenderer by reference to its technical and financial capacities concurrently to complete two or more lots.

Considering they meet the selection criteria and are invited for the 2<sup>nd</sup> phase, the evaluation of offers will be on the basis of the combined technical and financial Tender proposal,

following the award criteria. During the 2<sup>nd</sup> phase, in its tenders for several lots, a Tenderer can offer discounts where several lots in different combinations are awarded to him.

## **2.4 Implementation period**

For each of lot 1 (Milhana), lot 2 (Muite), lot 3 (Alto Maganha) and lot 5 (Mugulama), the contractor is to complete the works within a period of **365 calendar days** as of the date set in the written service order to commence the works.

For lot 4 (Idugo Island), the contractor is to complete the works within a period of **425 calendar days** as of the date set in the written service order to commence the works.

If 4 or 5 lots are awarded to the same Tenderer, the contractor is to complete the works within a period of **465 calendar days**.

The Contracting Authority shall issue the orders to commence for each lot on the same date. In the case where more than one lot is awarded to the same Tenderer, he shall execute such lots simultaneously.

The above-mentioned deadlines are mandatorily applicable. Timely completion is of the essence.

## **2.5 Variants**

Each Tenderer may submit only one Tender per lot. Variants are forbidden.

## **2.6 Quantities**

This public contract has no minimum fixed quantities due to the Tenderers having to propose the design. A brief summary description of the Employer Requirements is provided in Section 4 “Terms of Reference”. With the Call for Tenders in the 2<sup>nd</sup> phase, the selected Candidates will be provided with the complete Employer Requirements and Technical Specifications.

## 3 Procedure

### 3.1 Award procedure

The contract will be awarded through a competitive procedure with negotiation in accordance with Article 38, §1, 1<sup>o</sup> c) of the Law of 17 June 2016.

The procedure takes place in two phases. In the 1<sup>st</sup> phase, the expression of interest of each Candidate will be evaluated by reference to the selection criteria detailed in this document. Candidates who comply with the selection criteria will be selected to proceed onto the 2<sup>nd</sup> phase. During the 2<sup>nd</sup> phase, the selected Candidates will be invited to submit a proposal on the basis of the complete tender documents that will be sent to them in the frame of the Call for Tenders.

#### 3.1.1 1st phase (Call for Expression of Interest): Selection of candidates

Any economic operator may submit an expression of interest. To do so, the exclusion grounds may not apply to the Candidate and he must meet the selection criteria (see point 3.6). Expressions of interest must be submitted using the European Single Procurement Document (ESPD) duly completed and signed (see points 3.4 to 3.8 and 5.1).

The administrative admissibility of the expression of interest is checked, as well as the situation of the Candidates with regard to the grounds for exclusion and the selection criteria.

#### 3.1.2 2nd phase (Call for Tenders): Award of the contract

All selected Candidates in the 1<sup>st</sup> phase will be invited to submit a Tender before the deadline. With the Call for Tenders, they will be provided with the complete set of the Tender documents, to enable them to prepare a Tender.

After an initial analysis of the Tenders, the Contracting authority will negotiate the Tenders (i) in accordance with the procedures to be specified in the complete Tender documents; and (ii) with respect for the principles of equal treatment of the Tenderers, confidentiality etc. (see art. 38 §6 of the Law of 17 June 2016). In the frame of such negotiations, always in view to improve the quality thereof, the Contracting Authority may invite Tenderers to submit one or more additional/fine-tuned offers. In the process the Contracting Authority may restrict the number of Tenders to be negotiated (see art. 38 §7 of the Law of 17 June 2016).

Negotiations may cover both the offer and, where appropriate, the Contract documents. The Contracting Authority shall, however, refuse any negotiations on the minimum requirements and on the definition and weighting of the award criteria.

At the end of the negotiations, the Tenderers still in contention will be invited to submit a final tender. The final tenders will be evaluated against the award criteria and ranked. Only regular final Tenders will be ranked. (Ref. see art. 38 §8 of the Law of 17 June 2016)

### 3.2 Publication

The Contract notice is published in the Belgian Public Tender bulletin (BDA), in the Official Journal of the European Union (OJEU) and on the Organisation for Economic Cooperation and Development (OECD) website.

The call for expressions of interest is published on the Enabel website ([www.enabel.be](http://www.enabel.be)), FUNAE website ([www.funae.co.mz](http://www.funae.co.mz)) and is also published in local newspapers – O País e Notícias.

### 3.3 Information

The 1st phase (Expression of Interest), the 2<sup>nd</sup> phase (Call for Tenders) and the awarding of the Contract is coordinated by Ms. Akila Munir, Procurement Officer of Enabel in Mozambique. Throughout the procedure, all contacts between the Contracting authority and (potential) Candidates or Tenderers about the present Call for Expressions of Interest and subsequently the bid procedure and Contract will exclusively pass through this person.

During the 1st phase (expression of interest), potential Candidates may ask questions until the 8<sup>th</sup> of April 2021 only on the 1st phase (expression of interest) of the procedure and not on the terms of reference (section 4). Questions shall be addressed in writing to:

**Ms. Akila Munir**  
**Procurement Officer**  
**Enabel in Mozambique**  
[akila.munir@enabel.be](mailto:akila.munir@enabel.be)

They shall be answered in the order received. The complete overview of questions (concerning the 1<sup>st</sup> phase) asked shall be available as of at the latest 15<sup>th</sup> of April 2021 at the Enabel website ([www.enabel.be](http://www.enabel.be)).

Except as provided here before or by submitting an expression of interest or Tender, (Potential) Candidates and Tenderers are prohibited to contact the Contracting authority in any (other) manner with regards to the Call for Expressions of Interest, the Call for Tenders, any tender documents and corresponding procedures and the (proposed) Contract.

The Call for Expressions of Interest and its annexes are written in both English and Portuguese. Please note that in case of disagreement and/or dispute as to the interpretation of this call for Expressions of Interest, the English version will prevail and will be used as the primary reference.

### 3.4 European Single Procurement Document (ESPD)

By submitting the European Single Procurement Document (ESPD), a Candidate shall declare officially on his honour that:

- 1) he is not involved in one of the mandatory or optional exclusion circumstances, which must or may lead to its exclusion;
- 2) he meets the selection criteria established by the Contracting authority in this Call for Expressions of Interest.

The Candidate shall complete the ESPD attached to this expression of interest.

The ESPD is structured in six (6) parts:

- Part I: Information concerning the procurement procedure and the Contracting authority (completed by the Contracting authority)
- Part II: Information concerning the economic operator (to be completed by the Candidate)
- Part III: Grounds for exclusion (to be completed by the
- Part IV: Selection Criteria (to be completed by the
- Part V: Limitation of the number of Candidates
- Part VI: Final provisions (to be signed by the Candidate)

The application consists of the completed and signed ESPD and the documents to be annexed (see part 5 Forms).

**The ESPD must bear the handwritten signature(s) of the person(s) authorised to commit the economic operator.**

### **3.5 Grounds for exclusion**

The Candidate will enclose in the annex of the completed and signed ESPD, the documents evidencing exclusion criteria as per art. 67 of the law of 17 June 2016 do not apply:

1. Copies of recent documents (issued max. 90 days before submission date for expression of interest) showing the **legal status** and **place of registration** of the Candidate (certificate of incorporation or registration...);
2. The document certifying that the Candidate is in order with the **payment of social contributions** – not required when the Contracting authority has the possibility to directly obtain certificates or relevant information by accessing a free national database in an EU Member State;
3. The document certifying that the Candidate is in order with the **payment of taxes**- not required when the Contracting authority has the possibility to directly obtain certificates or relevant information by accessing a free national database in an EU Member State;
4. An **extract from the criminal record** made out to the name of the Candidate (legal person) or of his representative (natural person) where no criminal records exist for legal entities- not required when the Contracting authority has the possibility to directly obtain certificates or relevant information by accessing a free national database in an EU Member State;
5. The document certifying that the Candidate is **not into bankruptcy**- not required when the contracting authority has the possibility to directly obtain certificates or relevant information by accessing a free national database in an EU Member State.

The Contracting authority may also check whether there are grounds for exclusion for subcontractor(s) within the meaning of Articles 67 to 69 of the Law of Law of 17 June 2016.

In application of Enabel's Policy regarding fraud and corruption risk management – June 2019, the Contracting authority will also verify for each selected Candidate if its directors are on the lists of persons, groups or entities submitted by the United Nations, the European Union and Belgium for financial sanctions:

For the United Nations, the lists can be consulted at the following address:

<https://finances.belgium.be/fr/tresorerie/sanctions-financieres/sanctions-internationales-nations-unies>

For the European Union, the lists can be consulted at the following address:

<https://finances.belgium.be/fr/tresorerie/sanctions-financieres/sanctions-europ%C3%A9ennes-ue>

[https://eeas.europa.eu/headquarters/headquarters-homepage/8442/consolidated-list-sanctions\\_en](https://eeas.europa.eu/headquarters/headquarters-homepage/8442/consolidated-list-sanctions_en)

[https://eeas.europa.eu/sites/eeas/files/restrictive\\_measures-2017-01-17-clean.pdf](https://eeas.europa.eu/sites/eeas/files/restrictive_measures-2017-01-17-clean.pdf)

For Belgium:

[https://finances.belgium.be/fr/sur\\_le\\_spf/structure\\_et\\_services/administrations\\_generales/tr%C3%A9sorier/contr%C3%B4le-des-instruments-1-2](https://finances.belgium.be/fr/sur_le_spf/structure_et_services/administrations_generales/tr%C3%A9sorier/contr%C3%B4le-des-instruments-1-2)

### 3.6 Selection Criteria

The Candidate will attach the required documents to its ESPD in order to demonstrate that it fits the selection criteria.

#### 3.6.1 Economic and Financial Capacity

The financial capacity of the Candidate will be assessed by the following criteria:

- 1) The Candidate must have achieved **an average annual turnover** of at least the minimum amount specified in Euros (or equivalent in national currency) in the table below for three consecutive accounting years within the last four years (2017, 2018 and 2019 or 2018, 2019 and 2020). Please provide a statement relating to the overall turnover achieved over the selected three financial years (**see point 5.2**).

In order to prove the mentioned turnover, the Candidate must also provide his **approved financial statements** for the three selected financial years within the last four years or a document listing all assets and liabilities of the enterprise. In case the enterprise has not yet published its financial statements, an interim balance certified true by an accountant or by a registered auditor or by the person or body with this function in the country concerned will do. In cases where the publication of financial statements is prescribed by the legislation of the country in which the operator is established and where these financial statements can be consulted via an electronic counter, then the tenderer can provide an extract of this statement. The Candidate shall provide an English glossary of relevant terms in the event the financial statements are not made out in English, French, Dutch or Portuguese.

- 2) The Candidate must demonstrate **access to credit facilities** provided by financial institutions equivalent to the minimum amount specified in Euros (or equivalent to national currency) in the table below.

In order to prove his access to credit, the candidate will attach an official document established by his financial institution (**see point 5.3**).

The Candidate needs to satisfy the minimum thresholds, depending on the lots the candidate intends to submit a tender for in the 2<sup>nd</sup> phase. Where a Candidate applies for several lots, the sum of values must be considered. Please refer to the table below for the minimum financial thresholds for each lot.

Lot no.	Lot	Minimum average turnover (€)	Access to credit facilities (€)
1	Milhana Npl	2,700,000	1,080,000.00
2	Muite Npl	1,350,000	540,000.00
3	Alto Maganha	2,400,000	960,000.00
4	Idugo Island	3,150,000	1,260,000.00
5	Mugulama	1,200,000	480,000.00

### 3.6.2 Technical capacity

The Candidate must demonstrate his technical capacity by:

1. Providing the **main similar (by nature and complexity) works** performed in the last 5 years, including: the location, relevant dates, contact information and the public or private bodies on behalf of which they were carried out showing that the Candidate himself has experience in performing those works (or relevant parts thereof). The requirements of the main similar works will differ depending on the lots a candidate intends to submit a tender for in the 2<sup>nd</sup> phase (**see point 5.4**);
2. Providing **supervisory staff** with appropriate training and experience. The number of people to be proposed for each category of the supervisory staff will differ depending on the number of lots the Candidates intend to submit a tender for in the 2<sup>nd</sup> phase (see point 5.5). The Candidate must per person complete the table at **point 5.5** and provide the **supporting documents as useful**: CV, copy certificates of education, employment contract, service contract, undertaking to provide services, ea.

See Section 5 FORMS for more information for the minimum requirements and documents to be attached to the ESPD for each of the technical capacity criteria.

### 3.7 Capacity of third parties

A candidate may make use of the capacities of other entities in accordance with Articles 72 and 73 of the Royal Decree of 18 June 2017.

The third party whose capacity is referenced shall provide an undertaking (bearing the original handwritten signature of the person authorised to commit the entity) that it will make its resources available to the successful tenderer in the event of the award of a Contract. The same third party may only be proposed for different lots by the same Candidate provided and to the extent the capacity of such party (together with that of the Candidate) in aggregate fits the cumulative criteria of such lots.

In addition,

- If the economic and financial capacity of a third party is called upon, the third party will be held jointly and severally liable for the performance of the contract (art. 78 of the law of 17 June 2016);
- If the capacity of a third party is called upon for technical capacity and/or references, the third party must execute himself the activities (carry out the works) for which its reference is used.

If the candidate calls upon the capacity of third parties, the Contracting authority will check the grounds for exclusion with regard to these other entities. If an entity is in a situation of exclusion or in the absence of the commitment referred to above, no reference may be made to the capacities of that entity.

#### 3.7.1 Consortium or Joint Venture

If a candidate makes use of the capacity of third parties, in accordance with article 73, §1 of the RD of 18 April 2017:

- the candidate must provide a declaration bearing the original handwritten signature of the person authorised to commit the third party;
- the candidate must complete his ESPD and answer the question in Part II, C of the ESPD;

- each such third party must also complete a separate ESPD (part II, sections A and B and part III)

Where a group of economic operators, including a temporary association, business venture, consortium or joint venture, jointly submits an expression of interest, a separate ESPD setting out the information required under Parts II to IV must be submitted for each of the participating economic operators. The members of the combination shall also indicate in Part II B of the ESPD which of them will represent the combination vis-à-vis the Contracting authority.

The composition of a combination that is selected as Candidate may not change in view of the submission of Tenders. However, economic operators that have not been selected may still join a selected combination.

The members of any kind of combination that submits a Tender are jointly and severally liable for the performance of the Tenderer's duties, obligations, responsibilities and liabilities with respect to their submitted Tenders and any Contract that ensues.

### **3.7.2 Subcontractors**

If the Candidate uses the capacity of subcontractors to meet the requirements of the selection criteria, each subcontractor will complete and sign a separate ESPD: Part II, Sections A and B and Part III.

A Candidate may not subcontract (or otherwise reference the technical capacity) more than 35% of the contract value.

## **3.8 Submission of expression of interest**

### **3.8.1 Deadline date and time for submission**

Applications must be submitted by the **4<sup>th</sup> of May 2021 by 11h00 am** (local time in Mozambique).

All expressions of interest must be received before the deadline. Late applications will not be accepted.

### **3.8.2 Terms and conditions**

The Candidate submits its expression of interest composed of the completed and signed ESPD and the required supporting documents, respecting the following conditions:

The Candidate is strongly advised to use the forms in annexe (see point 5 "Forms"). When not using this form, he/she is fully responsible for the perfect concordance between the documents he/she has used and the form. The forms in WORD format are available in a separate document.

The expression of interest will be drawn up in **4 copies**, one of which will mention "**original**" and three of which will mention "**copy**". **The "original" and two "copy" must be submitted on paper (hard copy)**. The third "copy" must be submitted in a non-editable version (PDF or other) on a CD-ROM / USB stick.

The expression of interest can be submitted in either **English OR Portuguese**. Editions in both languages are not necessary.

The signed and dated original and “copies” will be sent in a sealed envelope mentioning: **“Expression of Interest MOZ1503411-10013 – Deadline for submission: 4<sup>th</sup> of May 2021 by 11h00 am”**

It must be sent to:

**Ms. Akila Munir  
Procurement Officer  
Enabel in Mozambique  
Av. Kenneth Kaunda, 762  
Maputo, Mozambique**

a) Either by mail (standard mail or registered mail): In this case, the sealed envelope is put in a second closed envelope. The delivery record makes proof of compliance with the time-limit for receipt.

b) or hand delivered directly to the Contracting authority against a signed and dated receipt: In this case, the acknowledgment of receipt makes proof of compliance with the time-limit for receipt.

Offices can be reached on working days during office hours: from 08:00 to 17:00/14:00 (Monday to Thursday/ Friday). All times are in the time zone of the country of the Contracting Authority (Mozambican time).

### **3.8.3 Amending or withdrawing expressions of interest**

To change or withdraw a tender already sent or submitted, a written statement is required, which shall be correctly signed by the Candidate or his/her representative. The object and the scope of the changes must be described in detail. Any withdrawal shall be unconditional.

The withdrawal may also be communicated by fax or electronic means, provided that it is confirmed by registered letter deposited at the post office or against acknowledgement of receipt at the latest the day before the acceptance deadline.

### **3.8.4 Opening of expression of interest**

The expressions of interest must be in the possession of the contracting authority before the final submission date and time specified in point 3.8.1 “Deadline date and time for submission”. Due to the pandemic situation, the expressions of interest shall be opened behind closed doors without the Candidates.

An opening report will be drawn up and can be sent to Candidates who request it.

## 4 Terms of Reference

### 4.1 General context

The Government of Mozambique has received a grant from the Belgian Government, to be implemented by Enabel - Belgian Development Agency and FUNAE - Energy Fund, to finance the RERD II Programme - Renewable Energy for Rural Development Programme.

Therefore, FUNAE intends to electrify 5 villages in Zambézia and Nampula provinces, through photovoltaic mini-grids, to provide a continuous supply of electricity to those communities.

Each mini-grid constitutes a lot:

- Lot 1: Milhana, Mecuburi district, Nampula province;
- Lot 2: Muite, Mecuburi district, Nampula province;
- Lot 3: Alto Maganha locality, Pebane district, Zambézia province;
- Lot 4: Idugo Island, Mocubela district, Zambézia province;
- Lot 5: Mugulama, Ilé district, Zambézia province.

For this purpose, FUNAE and Enabel carried out a summary survey in the area on all the basic information from which the project lots could be designed: in each instance a solar power plant with battery storage that will energize the planned mini-grid.

### 4.2 Objectives

For each lot the objective is for the Contractor to design the executive project, supply materials and equipment, build, test and put the photovoltaic power plants and mini-grids into service, all in order to supply electricity to the village.

#### 4.2.1 Specific objectives

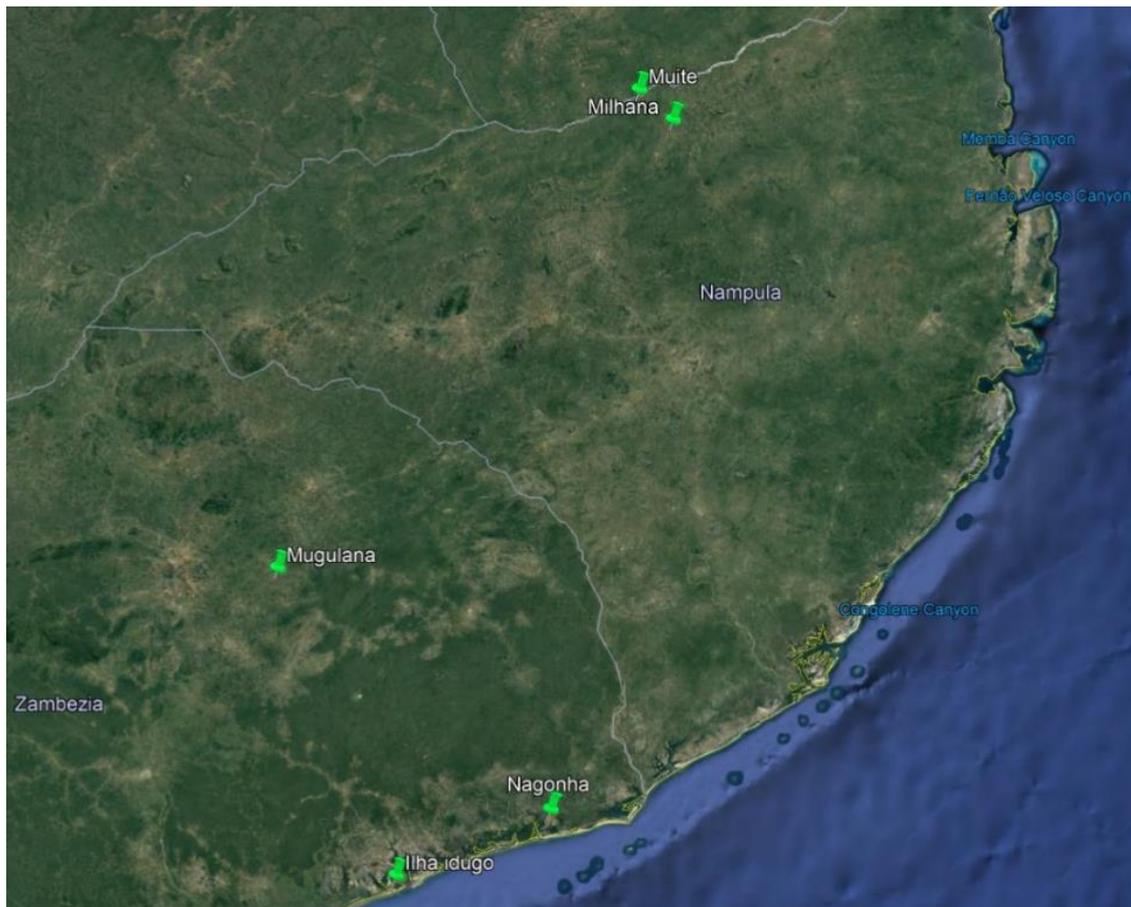
- Design the executive project of the photovoltaic plant, mini-grid and water supply system;
- Procure, supply DDP<sup>10</sup> site, build and install the photovoltaic plant according to the approved Tender;
- Procure, supply DDP site and install all the equipment for the proper and reliable functioning of the plant for a continuous period of at least 5 years;
- Procure supply DDP site and install all the equipment and cables for the mini-grid from the photovoltaic plant up to the users;
- Procure and supply DDP and install prepaid electrical power meters;
- Procure, supply DDP Site and install a monitoring system for the solar power plant and mini-grid for operation;
- Design, procure, supply DDP site and build a water supply system at the solar power plant;
- Design, supply DDP and install a back-up diesel generator;
- Train all plant operator personnel;
- Perform the testing, commissioning and put the power plant and water pumping system into service.

---

<sup>10</sup> DDP – Delivered Duty Paid, Incoterms 2020

#### 4.2.1.1 Project sites

Lot - Settlement	Geographical Coordinates	Village	Administration	District, Province
Lot 1 - Milhana	14° 8'51.08"S	Milhana	Milhana	Mecuburi, Nampula
	39°10'39.86"E			
Lot 2 - Muite	14° 1'28.31"S	Muite	Muite	Mecuburi, Nampula
	39° 1'56.20"E			
Lot 3 - Nagonha	17°0'45.09 "S	Alto Maganha	Mulela	Pebane, Zambezia
	38°43'9.31 "E			
Lot 4 – Idugo island	17°18'12.85"S	Idugo	Bajone	Mocubela, Zambezia
	38° 3'23.13"E			
Lot 5 - Mugulama	16° 2' 1" S	Mugulama	Ilé	Ilé, Zambezia
	37° 31' 37" E			



#### 4.2.1.2 Accessibility of the areas

The contractor must pay special attention to the logistic and the access roads. Selected Tenderers shall receive a detailed survey report and all the documentation produced during the identification and feasibility study phase.

Lot 1 and lot 2 are inland in Mecuburi district. They are relatively close to each other (around 30 km) and can be reached with an untarred road from Mecuburi (around 90 km).

Lot 3 is in a coastal area. To reach the village there is an approx. 250 km untarred road from the EN1 (Mugeba).

Lot 4 is an island and can only be reached by boat, the closed port being Pebane.

Lot 5 is on the main EN1 road and should not present major problems as regards access roads.

#### 4.2.1.3 Duration of the works

For lot 1 (Milhana), lot 2 (Muite), lot 3 (Alto Maganha) and lot 5 (Mugulama), the contractor is to complete the works within a period of **365 calendar days** as of the date set in the notice to commence the works.

For lot 4 (Idugo Island), the contractor is to complete the works within a period of **425 calendar days** as of the date set in the notice to commence the works.

### 4.3 Technical Requirements

Lots 1, 2, 3 and 5 will be realized through a pre-assembled containerized solution in one or more sea containers where power electronics, battery energy storage system, boards, cabinet, auxiliaries, communication and other equipment will be installed.

Lot 4 may in the alternative be based on a standard approach for Mozambique, i.e., buildings in masonry.

Each mini-grid will be consist of:

- A. Photovoltaic Generation
- B. Powerhouse with storage and inverters, plus an office for technicians
- C. Water Supply System to guarantee the cleaning operations of the power system
- D. Electrical Distribution Network
- E. A prepaid energy sale system, including meters

A training schedule of the plant operators shall be established.

#### 4.3.1 Main technical data

The photovoltaic systems shall be sized to reach a renewable energy share of 100% throughout the year, considering the estimated maximum daily demand and the average daily solar radiation.

The mini-grids must meet the following technical characteristics:

<b>Main technical data of Lot 1 - Milhana mini-grid</b>		
Item	Value	Unit
Photovoltaic generation	200	kWp
Diesel generator (Backup)	100	kVA
Nominal storage capacity	1160	kWh
Nominal battery output	90	kW
Maximum DOD for lithium batteries	80	%
Single-phase connections	1000	un
Tri-phase connections	35	un
Max power supplied to the grid	90	kW

<b>Main technical data of Lot 2 - Muite mini-grid</b>		
Item	Value	Unit
Photovoltaic generation	120	kWp
Diesel generator (Backup)	70	kVA
Nominal storage capacity	700	kWh
Nominal battery output	60	kW
Maximum DOD for lithium batteries	80	%
Single-phase connections	470	un
Tri-phase connections	25	un
Max power supplied to the grid	60	kW

<b>Main technical data of Lot 3 – Alto Maganha (Nagonha) mini-grid</b>		
Item	Value	Unit
Photovoltaic generation	200	kWp
Diesel generator (Backup)	100	kVA
Nominal storage capacity	1160	kWh
Nominal battery output	90	kW
Maximum DOD for lithium batteries	80	%
Single-phase connections	800	un
Tri-phase connections	35	
Max power supplied to the grid	90	kW

<b>Main technical data of Lot 4 - Idugo mini-grid</b>		
Item	Value	Unit
Photovoltaic generation	230	kWp
Diesel generator (Backup)	120	kVA
Nominal storage capacity	1330	kWh
Nominal battery output	120	kW
Maximum DOD for lithium batteries	80	%
Single-phase connections	1090	un
Tri-phase connections	35	un
Max power supplied to the grid	120	kW

<b>Main technical data of Mugulama mini-grid</b>		
Item	Value	Unit
Photovoltaic generation	75	kWp
Diesel generator (Backup)	45	kVA
Nominal storage capacity	445	kWh
Nominal battery output	40	kW
Maximum DOD for lithium batteries	80	%
Single phase connections	200	un
Tri-phase connections	30	un
Max power supplied to the grid	40	kW

Moreover, each solar power plant and mini-grid should have:

- a communication system between all the components of the installation to allow automated starting of the backup diesel generator;
- a monitoring system for the main management parameters located in the technicians' office.

#### **4.3.2 Targets warranty**

For each lot, the following operational targets shall be warranted for at least the first year following the commissioning:

- Ensure 24 hour/day power supply;
- Ensure a minimum annual reliability of 97% out of 365 days of service
- Set a target share of renewable energy of close to 100% throughout the year, considering estimated maximum daily demand and average daily sunshine, using a backup diesel generator in case of extreme weather conditions and ensuring at least 95% of energy from renewable sources;

## 5 Forms

### 5.1 European Single Procurement Document (ESPD)

See separate file in PDF.

### 5.2 Economic and Financial Capacity – Criterion 1: Average annual turnover

The tenderer must complete the following table based on his/her annual accounts for three consecutive accounting years within the last four years: 2017, 2018 and 2019 or 2018, 2019 and 2020.

Financial data	Year ..... €	Year..... €	Year..... €	Average €
Annual turnover				

In order to prove the mentioned turnover, the Candidate must also provide his approved financial statements for the three selected financial years within the last four years or a document listing all assets and liabilities of the enterprise. In case the enterprise has not yet published its financial statements, an interim balance certified true by an accountant or by a registered auditor or by the person or body with this function in the country concerned will do. In cases where the publication of financial statements is prescribed by the legislation of the country in which the operator is established and where these financial statements can be consulted via an electronic counter, the tenderer can provide an extract of this statement. The Candidate shall provide an English glossary of relevant terms in the event the financial statements are not made out in English, French, Dutch or Portuguese.

### 5.3 Economic and Financial Capacity – Criterion 2: Access to credit

In order to prove his access to credit, the candidate will attach an official document established by his financial institution.

## 5.4 Technical capacity – Criterion 1: Main similar works

The Candidate must provide in his expression of interest the list of the **main similar (nature and complexity) works performed in the last 5 years**, including: the location, relevant dates, and the public or private bodies on behalf of which they were carried out showing that the Candidate has experience in performing those works. The requirements of the main similar works will differ depending on the number of lots the Candidate applies to and will be determined by the following criteria:

- **Number of totally or partially performed works.** Totally performed works are those works that have been commissioned and/or have been provisionally or finally accepted. Partially performed works are those works that have been fully constructed and provisionally accepted or those works of which the construction is not completely realized, but main components are already provisionally accepted or installed, in that case, the Candidate must submit solid proofs like pictures of the installation and acceptance report of equipment delivered on site. Partially performed works will be accepted, however, more than 50% of the similar works should be totally performed works. If a Candidate wants to apply for a combination of lots, he should fulfil the requirements for the respective individual lots and the combination of lots. Candidates can submit partially completed works depending on the number of lots they intend to apply to (see table below);
- **Period of performance** to be considered is the last 5 years (January 2016 onwards);
- **Capacity of mini-grids (kWp):** Total power installed in hybrid (rural) mini-grid projects, only hybrid mini-grids of an installed power equal or superior to 50 kWp will be taken into consideration;
- **Location of previous similar experience:** while general experience in hybrid mini-grids in any part of the world is considered, it will be required that part of that experience is in remote areas in Africa. This will depend on the number of lots being applied to (see table below);
- **Certificates of completion:** For each of the assignments listed, the Candidate must provide in his expression of interest the certificates of completion (statement or certificate without major reservation, provisional/final acceptance reports) and any supporting documents (contracts, invoices, photos of the infrastructure...) approved by the entity which awarded the contract. Please note that for both partially completed and completed works, it is mandatory to submit contracts, invoices (if any), coordinates and photos of (ongoing) assignment. Assignments that are not duly accompanied by the certificates of completion and supporting documents may be nullified.

Based on the criteria, please find a table summarizing the minimum criteria applicable in function of the number of lots the candidates intend to submit a tender for in the 2<sup>nd</sup> phase:

Criterion			
Number of lot(s)	Totally performed similar works in the last 5 years, of which partially completed works may be accepted	Capacity: minimum cumulative kWp	Number of mini-grids in rural areas in Africa
1	3 mini-grids of which at least 2 more than 100 kWp and 1 more than 45 kWp	280	1
2	5 mini-grids of which at least 3 more than 100 kWp and 2 more than 70 kWp	520	2
3	6 mini-grids of which at least 3 more than 100 kWp, 2 more than 70 kWp and 1 more than 45 kWp	560	3
4	7 mini-grids of which at least 3 more than 100 kWp, 4 more than 70 kWp	830	4
5	8 mini-grids of which at least 3 more than 100 kWp, 4 more than 70 kWp and 1 more than 45 kWp	900	5

Tenderers are expected to submit their similar experiences following the format below.

No.	Description of the main similar works (incl. kWp)	Totally or partially completed	Location where works were carried out (incl. coordinates)	Completion date in the last 5 years	Name and contact information of contact person	Specify which certificate of completion/ support documents attached
E.g.	Hybrid mini grid for rural electrification for health centre in Zambia (22.5 kWp)	Totally completed	Chitandika, Eastern Province, Zambia (13° 20' 0" South, 32° 39' 0" East)	2019	John Doe, Ministry of Zambia johndoe@abc.co.zm	Provisional acceptance report, contract, final invoice, photos

**Table of Main similar works** (to be completed by the Candidate)

No.	Description of the main similar works (incl. kWp)	Totally or partially completed	Location where works were carried out (incl. coordinates)	Completion date in the last 5 years	Name and contact information of contact person	Specify which certificate of completion/ support documents attached

## 5.5 Technical capacity – Criterion 2: Supervisory staff to be employed on the contract

The Candidate must demonstrate that he has the appropriate supervisory staff to carry out the work.

The number of people to be proposed for each category of the supervisory staff will differ depending on the number of lots the Candidates intend to submit a tender for in the 2<sup>nd</sup> phase (see below for a summary). It is the sole responsibility of the Candidate to provide an appropriate team with the necessary capacities, as this is a selection criterion.

Category of key profiles	Number of professionals per lot	Availability required
Project Director	1 up to 3 lots 2 for 4 or 5 lots	Entire project
Electric engineer	1 up to 3 lots 2 for 4 or 5 lots	Entire project
Photovoltaic expert	1 up to 3 lots 2 for 4 or 5 lots	Entire project
Civil works foreman	1 Per lot	Onsite, during the construction phase
Electrical works foreman	1 Per lot	Onsite, during the construction phase

Each proposed professional must meet the minimum requirements set according to the category. The minimum requirements set for each category are shown in the tables on the following pages.

The candidate completes the **appropriate table for each proposed staff** and must submit in his expression of interest the **supporting documents of the supervisory staff** proposed for implementing this works contract. The supporting documents include: Signed CVs (no longer than 3 pages), copy certificates of education, employment contract, service contract, undertaking to provide services and proof of experience as required. The supervisory staff must have appropriate experience and must have the proven qualifications for work of a similar nature to that of the project under consideration. Descriptions of professional experience must demonstrate their ability to carry out the work.

### 5.5.1 Project Director

Practicing registered civil engineer with at least a Bachelor's in Civil Engineering and experience of at least 10 years in the design, preparation of executive projects and execution of civil works of which at least 3 years in construction projects in rural Africa. Copy of Engineers Registration Board documents and/or practicing certificate shall be required. If this is not applicable in the tenderer's country of origin, it is expected that a clear explanation is provided.

<b>Proposed position</b>	<b>Name of expert</b>	<b>Age</b>	<b>Educational background</b>	<b>Years of experience as a project director</b>	<b>Years of experience in construction projects in rural Africa</b>
Project Director					
<b>Description of the major works for which you were responsible</b>		<b>Year</b>	<b>Position</b>	<b>Value</b>	<b>Client's Contacts (tel. nr or e-mail address)</b>

(\*) a table to be completed per person and attach the supporting documents

### 5.5.2 Electrical engineer

with at least a Bachelor's degree in Electrical Engineering with 7 years' experience in the design, preparation of executive projects and power plant of which at least 3 years in construction projects in rural Africa. The electrical engineer will need to have **proved** experience in the design of at least 3 hybrid mini-grids (PV+ battery storage system) of at least 50 kWp. In order to confirm the experience, reference letters or contracts must be submitted.

Proposed position	Name of expert	Age	Educational background	Years of experience as an electric engineer	Years of experience in construction in rural Africa
Electric engineer					
Description of the major works in the design of at least 3 hybrid mini-grids		Year	Position	Value	Client's Contacts (tel. nr or e-mail address)

(\*) a table to be completed per person and attach the supporting documents

### 5.5.3 Photovoltaic expert

with at least a Bachelor's degree in Energy Engineering or Renewable/Solar energy related course, with 7 years' experience in the design, installation and commissioning of photovoltaic power plants. The Photovoltaic expert will need to have **proved** experience in the design and/or commissioning of at least 3 hybrid mini-grids (PV+ battery storage system) of at least 50 kWp. In order to confirm the experience, reference letters or contracts must be submitted.

Proposed position	Name of expert	Age	Educational background	Years of experience as a photovoltaic expert	
Photovoltaic expert					
Description of the major works in the design and/or commissioning of at least 3 hybrid mini-grids		Year	Position	Value	Client's Contacts (tel. nr or e-mail address)

(\*) a table to be completed per person and attach the supporting documents

#### 5.5.4 Civil works foreman

with at least Mid-Level education in Construction/Civil Works with 7 years' general experience and 4 years' specific experience as a civil works foreman in works of an equivalent nature and volume.

Proposed position	Name of expert	Age	Educational background	Years of experience in construction	Years of experience as a civil works foreman
Civil works foreman					
Description of the major works		Year	Position	Client's Contacts (tel. nr or e-mail address)	

(\*) a table to be completed per person and attach the supporting documents

### 5.5.5 Electrical works foreman

with at least Mid-Level education in Electricity with 7 years' general experience and at least 3 years' experience in photovoltaic systems.

<b>Proposed position</b>	<b>Name of expert</b>	<b>Age</b>	<b>Educational background</b>	<b>Years of experience in electrical works</b>	<b>Years of experience with photovoltaic systems</b>
Electrical works foreman					
<b>Description of the major works</b>		<b>Year</b>	<b>Position</b>	<b>Client's Contacts (tel. nr or e-mail address)</b>	

(\*) a table to be completed per person and attach the supporting document