TENDER SPECIFICATIONS

Public service contract for "**MOZ22005-10416 - AI-Assisted Pre-Feasibility Methodology Pilot for Mini-Grid Site Preparation in Mozambique**"

Reference №: **MOZ22005-10416**

Country: **Mozambique**

Negotiated Procedure without Prior Publication

Deadline for requesting clarifications:	**06 August 2026** at **12:00 (Central African Time, UTC+2)**
Deadline for submission of tenders:	**11 August 2026** at **12:00 (Central African Time, UTC+2)**

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1 GENERAL REMARKS

1. THE CONTRACTING AUTHORITY

1.1. The contracting authority of this public contract is 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), called ' Enabel ' pursuant to the entry into force of Law of 23 November 2017 changing the name of the Belgian Technical Cooperation and defining the missions and functioning of Enabel, the Belgian agency for development cooperation.

1.2. Enabel has the exclusive competence for the execution, in Belgium and abroad, of public service tasks of direct bilateral cooperation with partner countries. Moreover, it may also perform other development cooperation tasks at the request of public interest organisations, and it can develop its own activities to contribute towards realisation of its objectives.

1.3. For this public contract Enabel, in Mozambique, is represented by :

Name	Position
Adrian TAS	Country Director

1.4. **Attention: even if Enabel as contracting authority is based in Belgium, Enabel has different "permanent establishments" in partner countries, who are 'customer' in the sense of tax legislation.**[1] **As a result, services of this contract are deemed to be located in Mozambique and applicable tax legislation is legislation of Mozambique. For more information on this tax regime, you can contact Majaína Manejo, Procurement Officer (clause 3 of chapter 3 Award Procedure).**

2. RULES GOVERNING THE PUBLIC CONTRACT

2.1. The following, among others, apply to this public contract:

(a) The Law of 17 June 2016 on public procurement;

(b) The Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors;

(c) The Royal Decree of 14 January 2013 establishing the general rules for the execution of public contracts;

(d) The Law of 17 june 2013 on motivation, information, and remedies in public procurement, certain works, supply, and service contracts, and concessions;

(e) Circulars of the Prime Minister with regards to public procurement;

(f) Enabels policy regarding sexual exploitation and abuse – June 2019;

(g) Enabels policy regarding fraud and corruption risk management – June 2019.

2.2. All Belgian regulations on public contracts can be consulted on https://bosa.belgium.be/en/themes/public-procurement;

[1] **Article 13a of Council Implementing Regulation (EU) No 1042/2013: The place where a non-taxable legal person is established, as referred to in the first subparagraph of Article 56(2) and Articles 58 and 59 of Directive 2006/112/EC, shall be: the place where the functions of its central administration are carried out, or the place of any other establishment characterised by a sufficient degree of permanence and a suitable structure in terms of human and technical resources to enable it to receive and use the services supplied to it for its own needs (= permanent establishment).**

Enabel's Code of Conduct and the policies mentioned above can be consulted on Enabel's website via https://www.enabel.be/who-we-are/integrity/.

3. APPLICABLE LAW AND COMPETENT COURTS

3.1. Belgian legislation applies for this public contract and no other. In the event of a conflict regarding the interpretation, application or performance of these tender specifications, the parties will first try all conciliation possibilities. Except for an emergency, the parties avoid litigation in court without preliminary notification.

3.2. In case of court action, correspondence must (also) be sent to the following address:

Enabel S.A.
Global Procurement Services
To the attention of Ms Laura Jacobs
Rue Haute 147
1000 Brussels
Belgium

3.3. Any litigation regarding this public contract is the exclusive competence of the Brussels legal district courts and tribunals. French or Dutch are the languages of proceedings.

2 SUBJECT-MATTER AND SCOPE OF THE PUBLIC CONTRACT

1. TYPE OF CONTRACT

1.1. This public contract is a service contract for provision of: Development of AI-Assisted Pre-Feasibility Methodology Pilot for Mini-Grid Site Preparation in Mozambique.

2. LOTS

2.1. This public contract is not divided into lots.

3. ITEMS

3.1. This public contract consists of the items listed under clause 3 of chapter 8 Forms - Tender form - Prices.

3.2. These items are grouped together to form one single contract. It is not possible to tender for one or several items and the tenderer must submit price quotations for all items of the contract.

4. DURATION OF THE PUBLIC CONTRACT

4.1. This public contract starts **upon kick off meeting** and lasts for **12 (twelve) weeks**.

4.2. This public contract **MAY NOT** be renewed.

5. VARIANTS

5.1. Variants are **NOT** allowed. Each tenderer may submit only one tender, no variants will be accepted.

6. OPTIONS

6.1. The tenderer may **NOT** submit options. Free options are forbidden. Any proposed option will be discarded.

3 AWARD PROCEDURE

SECTION (A) - GENERAL PROCEDURE INSTRUCTIONS

1. AWARD PROCEDURE

This public contract will be awarded through a Negotiated Procedure without Prior Publication pursuant to Article 42, § 1, °1, a) of the Law of 17 June 2016 on public procurement.

2. PUBLICATION

This contract is advertised in

2.1. The following platform:

(a) Website of Enabel (www.enabel.be).

2.2. This publication constitutes an invitation to submit a tender.

3. FURTHER INFORMATION

3.1. Public procurement administrator

The awarding of this public contract is coordinated by:

Contract Service Center CSC

moz_csc_contracts@enabel.be

All communication between the contracting authority and (prospective) tenderers regarding this public contract must go through this contact. Any other form of contact with the contracting authority about this public contract is prohibited unless otherwise stated in these tender specifications.

3.2. Requesting clarifications

Prospective tenderers have until the **6th of August**, inclusive, before the deadline for submission of tenders to submit any questions regarding these tender specifications and the contract. All inquiries must be sent in writing to the procedure coordinator mentioned under clause 3.1 moz_csc_contracts@enabel.be and will be answered in the order received.

Until the notification of the award decision no information will be given about the evolution of the procedure.

Until the notification of the award decision no information will be given about the evolution of the procedure.

3.3. Publication of clarifications and/or amendments to the tender specifications

The complete overview of questions and answers, as well as any amendments to these tender specifications, will be available at the seventh day before the deadline for submission of tenders, at the latest.

These updates will be published on the same platforms as mentioned under clause 2.

The tenderer is to submit his tender after reading and taking into account any corrections made to these tender specifications that are published or that are sent to him by e-mail. To do so, when the tenderer has downloaded the tender specifications, it is strongly advised that he gives his coordinates to the public procurement administrator mentioned under clause 3.1 and requests information on any modifications or additional information.

SECTION (B) - INSTRUCTIONS FOR PREPARATION OF TENDERS

4. VALIDITY PERIOD OF TENDERS

The tenderers remain bound by their tender for a period of **90 (ninety) calendar days** from the tender reception deadline date.

5. DATA TO BE INCLUDED IN THE TENDER

5.1. Tenderers are advised to consult the general principles set out under Heading 1 of the Law of 17 June 2016 on public procurement, which are applicable to this award procedure.

5.2. The tender and all annexes to the tender form must be drawn up in:

(a) English.

5.3. By submitting a tender, the tenderer automatically waives any of their own general or specific sales conditions, even if these are mentioned in any annexes to their tender.

5.4. The tenderer must clearly indicate within their tender any information that is confidential and/or relates to technical or business secrets, which may not be divulged by the contracting authority.

5.5. The tenderer must use the tender forms provided in the annex:

(a) Identification form (clause 1 of chapter 8 Forms);

(b) List of subcontractors (clause 2 of chapter 8 Forms);

(c) Tender form - Prices (clause 3 of chapter 8 Forms);

(d) Declaration on honour - Exclusion grounds (clause 4 of chapter 8 Forms);

(e) Financial identification (clause 5 of chapter 8 Forms);

(f) Integrity Statement (clause 6 of chapter 8 Forms).

Should the tenderer fail to use these forms, they shall bear full responsibility for ensuring that the documents submitted are in perfect concordance with the forms.

5.6. The tenderer also attaches the following to his tender:

(a) All documents demanded for the application of qualitative selection (see clause 13 and 6 Selection file) and award criteria (see clause 15);

(b) A detail of the prices quoted, listing for each item the various elements that are included in the price and the applicable taxes;

(c) The statutes and any other document required to establish the power of attorney of the signer(s);

(d) Updated Certification of Registration;

(e) The document certifying that the tenderer is in order with payment of social contributions;

(f) The document certifying that the tenderer is in order with the payment of taxes.

For points (e) and (f), where such certificates are not issued or are not available in the country of establishment of the tenderer, the tenderer shall provide an equivalent supporting document acceptable under the laws of the country of establishment.

5.7. Where the tender is submitted by a group of economic operators, it must include a copy of the following documents for each of the participants in the group:

(a) Identification form (clause 1 of chapter 8 Forms);

(b) Declaration on honour - Exclusion grounds (clause 4 of chapter 8 Forms);

(c) The statutes and any other document required to establish the power of attorney of the signer(s);

(d) The association agreement signed by each participant, clearly showing who represents the association.

5.8. Participants in a group of economic operators must designate one member of the group who will represent the group vis-à-vis the contracting authority.

5.9. In accordance with Article 73 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors, where an economic operator wants to rely on the capacities of other entities (particularly subcontractors or independent subsidiaries) for replying to criteria of economic and financial capacity or technical and professional aptitude (see clause 13 and 6 Selection file), it shall prove to the contracting authority that it will have at its disposal the resources necessary, for example, by producing a commitment by those entities to that effect.

6. TENDER CURRENCY

All prices given in the tender form must obligatorily be quoted in **euro**.

7. DETERMINATION OF PRICES

7.1. This public contract is a **lump-sum price** contract, meaning the global price is a flat fee that covers the whole of the contract or each of the items listed in the inventory.

7.2. In accordance with Article 37 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors, the contracting authority may for the purpose of verifying the prices carry out an audit of any and all accounting documents and perform on-the-spot checks with a view of verifying the correctness of the indications supplied.

8. ELEMENTS INCLUDED IN THE PRICE

8.1. The tenderer is to include in his global prices any charges and taxes generally applied to services according to the applicable tax legislation of Mozambique, with the exception of the value-added tax. The VAT percentage is quoted separately, if applicable. As mentioned in clause 1 of chapter 1 General Remarks, **local tax regime is applicable**. For the provision of services in Mozambique, the attention of tenderers who are non-tax residents of Mozambique is drawn to the tax on the profits of non-residents (20% (or possibly 32% or 10%)) applicable to this category of service provider. It is also the tenderer's responsibility to obtain information on all other tax provisions applicable in Mozambique. The 20% (or possibly 32% or 10%) non-resident income tax will be withheld at source at the time of payment of the invoice. Make sure to verify whether any bilateral or regional non-double taxation treaties apply to your situation.

8.2. The global prices for this public contract must encompass any costs, measures, and charges related to the performance of the contract, including but not limited to:

(a) Delivery of documents or records associated with the performance of the contract.

(b) Acceptance costs.

8.3. All relevant costs must be factored into the prices for this public contract.

SECTION (C) - SUBMISSION OF TENDERS

9. SUBMISSION OF TENDERS

9.1. Without prejudice to any variants, the tenderer may only submit one tender per contract.

9.2. Considering article 14, § 2, °1 of the Law of 17 June 2016 on public procurement, it would not be appropriate to impose the obligation to use electronic means of communication referred to in article 14, § 7, of the Law of 17 June 2016 on public procurement.

The nature of this public contract is such that national or regional economic operators do not have equal access to the requirements linked to the use of the Belgian federal "e-Procurement" platform.

The technical characteristics can therefore be discriminatory and can restrict the access of economic operators to the procurement procedure, in particular, in terms of speed and quality of the internet connection, as well as the quality of the electricity transport network.

In addition, the particular forms provided by this platform from the point of view of electronic signature are not yet compatible with the ICT generally used.

9.3. The tenderer submits their tender as follows:

One original copy of the completed tender shall be submitted by email.

These copies may be submitted as one or more PDF files.

Tender: **MOZ22005-10416 - AI-Assisted Pre-Feasibility Methodology Pilot for Mini-Grid Site Preparation in Mozambique**

9.4. The tender must be submitted before 11 August 2026.

The duly completed and signed tender shall be submitted only by e-mail to:

tendersmoz@enabel.be

10. TENDER SIGNATURE

10.1. The tender and all accompanying documents must be numbered and signed by the tenderer or his/her representative. The same applies to any alteration, deletion or note made to this document. The representative must clearly state that he/she is authorised to commit the tenderer.

10.2. Signatures are placed by the person(s) empowered or mandated to commit the tenderer. This obligation applies to each participant when the tender is submitted by a group of economic operators (consortium). These participants are jointly liable.

10.3. When the submission report is signed by a mandatary, he or she must clearly indicate whom he or she represents. The mandatary attaches the original electronic deed or private document that transfers these powers to him or her or a scanned copy of that proxy.

11. DEADLINE FOR SUBMISSION AND OPENING OF TENDERS

1.1. Tenders must be in the possession of the contracting authority before **11 August 2026** at **12:00 <u>(Central African Time, UTC+2)</u>**.

SECTION (D) - SELECTION, AWARDING & CONCLUSION

12. EXCLUSION GROUNDS

12.1. The obligatory and facultative grounds for exclusion are provided in the declaration on honour attached to these tender specifications (see clause 4 of chapter 8 Forms).

12.2. By submitting the declaration enclosed in the annex to these tender specifications, the tenderer certifies that they are not in any of the exclusion cases listed in Articles 67 to 70 of the Law of 17 June 2016 on public procurement, nor Articles 61 to 64 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors.

12.3. The grounds for exclusion apply to all participants submitting a joint bid as a consortium of economic operators and third parties (in particular subcontractors or independent subsidiaries) whose capacity is invoked with regard to the criteria of economic and financial capacity or technical and professional aptitude (see clause 13 and 6 Selection file), in accordance with Article 73 § 1 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors.

12.4. The contracting authority will verify the accuracy of this declaration on honour for the tenderer with the highest ranked tender. To this end, the contracting authority will request the tenderer concerned to provide the necessary information or documents to verify their personal situation. The tenderer must submit this information by the fastest means and within the deadline set by the contracting authority.

12.5. The tenderer may attach these documents directly to his tender. If the tenderer fails to deliver the requested document(s) on time, the contracting authority reserves the right to exclude the tenderer.

12.6. <u>Tenderers are strongly advised not to wait for the request of the contracting authority and to request the documents they have not attached to their tender as soon as possible from the competent authorities of the country where they are based. After all, in some cases, it may take a long time to obtain particular documents.</u>

12.7. The contracting authority will directly obtain any information or documents that can be accessed free of charge by digital means from the instances that manage the information or documents. This is the case for Belgian tenderers (via the Telemarc platform), with the exception of the extract from the criminal record, which must be requested by the tenderer himself.

12.8. **Conflicts of Interest – Revolving Doors (Article 51 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors)** Without prejudice to Articles 6 and 69, paragraph 1, 5° of the Law of 17 June 2016 on public procurement, a conflict of interest also includes any “revolving doors” situation. This occurs when a natural person who previously worked for a contracting authority — whether as internal staff, in a hierarchical position, as a civil servant, public officer, or in any other capacity linked to the contracting authority — subsequently intervenes under a public contract awarded by that same contracting authority. A conflict of interest arises when there is a connection between the activities previously performed by the individual for the contracting authority and the activities carried out under the awarded contract.

13. QUALITATIVE SELECTION

13.1. By means of the documents requested in the 'Selection file' (6 Selection file), the tenderer must demonstrate sufficient capacity to successfully perform this public contract.

13.2. Only tenders from tenderers who meet the selection criteria will be taken into consideration to participate in the comparison of tenders based on the award criteria outlined in clause 15 subject to the regularity of these tenders.

13.3. To meet the criteria of economic and financial capacity and the criteria on technical and professional aptitude, the tenderer may rely on the capacity of:

(a) all participants submitting a joint bid as a consortium of economic operators;

(b) other entities (in particular subcontractors or independent subsidiaries) regardless of the legal nature of the relationship with these entities, in accordance with Article 73 § 1 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors.

13.4. For all such participants or entities, the contracting authority must verify that there are no grounds for exclusion.

13.5. In accordance with Article 73 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors, where an economic operator wants to rely on the capacities of other entities (particularly subcontractors or independent subsidiaries) for replying to criteria of economic and financial capacity or technical and professional aptitude, it shall prove to the contracting authority that it will have at its disposal the resources necessary, for example, by producing a commitment by those entities to that effect.

14. OVERVIEW OF THE PROCEDURE

14.1. In a first phase, the tenders submitted by the selected tenderers will be evaluated as to their formal and material regularity.

14.2. The contracting authority reserves the right to have the irregularities in a tender regularised.

14.3. In a second phase, the formally and materially regular tenders will be evaluated as to their content by an evaluation commission. The contracting authority will restrict the number of tenders to be negotiated by applying the award criteria stated in these tender specifications (clause 15). This evaluation will be conducted on the basis of the award criteria and aims to set a shortlist of tenderers with whom negotiations will be conducted.

14.4. Then, the negotiation phase follows. In view of improving the contents of the tenders, the contracting authority may negotiate with tenderers the initial tenders and all subsequent tenders that they have submitted, except final tenders. The award criteria are not negotiable. However, the contracting authority may also decide not to negotiate. In this case, the initial tender is the final tender.

14.5. When the contracting authority intends to conclude the negotiations, it will so advise the remaining tenderers and will set a common deadline for the submission of any BAFO's (*Best and Final Offer*). Once negotiations have closed, the BAFO's will be evaluated as to its regularity and compared on the basis of the award criteria. The tenderer whose BAFO shows the best value for money (obtaining the best score based on the award criteria given under clause15) will be designated the succesful service provider for this public contract, after having been verified for absence of exclusion grounds and respect for the criteria of qualitative selection.

15. SELECTION CRITERIA

To be eligible, tenderers must meet the following minimum selection criteria. These criteria establish the minimum capacity required to perform the contract and are assessed on a pass/fail basis prior to the evaluation of the award criteria described in Clause 16.

- **Firm-level relevant experience.** The contractor demonstrates relevant prior delivery in the two following categories over the past five years: (a) AI / data-science / geospatial analytics applied to energy access or infrastructure planning; (b) institutional capacity-building or methodology transfer to a public-sector counterpart in the energy/infrastructure sector. Evidence is provided through references with named clients and contact details.
- **Minimum profile requirements.** The contractor team meets the minimum qualification requirements set out in the Team Composition section for each of the six profiles, which may be covered by fewer than six individuals where a single team member meets the requirements of more than one profile. This evaluation is strictly binary eligibility check to ensure core competence. Where a profile is not fully met, the contractor is not eligible. CVs and signed availability statements must be submitted with the proposal.
- **Background IP declaration.** The contractor declares whether the proposed approach relies on any proprietary platform or pre-existing intellectual property, licence terms, recurring costs and specifies the proposed licence arrangement to MIREME. **Evidence can be in the form of a declaration.**
- **Future procurement neutrality and conflict of interest declaration.** The bidder shall acknowledge that this assignment creates no entitlement or preferential position in any future implementation and shall declare any actual or potential conflict of interest. Evidence: signed declaration

16. AWARD CRITERIA

16.1. The contracting authority will select the regular tender that it considers to be the most economically advantageous, based on the following criteria:

Award Criterion	Criterion Weight (%)	Criterion Evaluation or Formula
Understanding of the assignment and scope discipline Assessment	10	The tenderer shall demonstrate understanding of the pilot objective, mandatory scope exclusions, data-sufficiency decision gate and the boundary between indicative screening and subsequent detailed preparation as per described on the ToR – section 5
AI-assisted screening methodology Assessment	20	The tenderer shall describe the proposed AI-assisted methodology for site characterisation, demand assessment, technical analysis, safeguards screening, and generation of indicative outputs, as described in the ToR (Section 5).
Data Management, Confidence Framework, Reproducibility, IP and Risk Management Approach	15	The tenderer shall demonstrate its approach to data management, reproducibility, intellectual property management, data governance, interoperability, and risk management, as described in the ToR (Section 5)

Award Criterion	Criterion Weight (%)	Criterion Evaluation or Formula
Workplan, Stakeholder Engagement, Quality Assurance and Handover	10	The tenderer shall describe the proposed workplan, stakeholder engagement approach, and handover process, as described in the ToR (Section 5).
Team Composition, CV with Qualifications and Relevant Experience	15	The tenderer shall demonstrate the qualifications, experience, references, and relevant familiarity with Mozambique contextsas described in the ToR (Section 5).
Price	30	Application of the rule of three

16.2. The scores for the award criteria will be added up. This public contract will be awarded to the tenderer that submitted the tender with the highest final score, after the contracting authority has verified the accuracy of the declaration on honour of this tenderer and provided the control shows that the declaration on honour corresponds with reality.

NB: Only tenders with scores of at least 45 out of 70 points qualify for the financial evaluation.

17. AWARDING THE PUBLIC CONTRACT

17.1. This public contract will be awarded to the tenderer who has submitted the most economically advantageous tender.

17.2. In accordance with Article 85 of the Law of 17 June 2016 on public procurement, the contracting authority is under no obligation to award the contract. The contracting authority may choose either not to award the public contract or to restart the procedure, if necessary, through another award procedure.

18. CONCLUDING THE CONTRACT

18.1. In accordance with Article 95, °2 of the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors, the contract is formed upon notification to the succesful tenderer of the approval of their tender.

18.2. Notification is made via digital platforms or email, and, on the same day, by registered post.

18.3. The full public contract consists of the following documents:

(a) These tender specifications and their annexes;

(b) The approved BAFO and all of its annexes;

(c) The registered letter notifying the award decision;

(d) Any later documents accepted and signed by both parties, as appropriate.

18.4. In the interest of transparency, Enabel commits to publishing an annual list of recipients of its contracts. By submitting their tender, the successful tenderer agrees to the publication of the contract title, nature and object of the contract, their name and location, and the contract amount.

4 SPECIAL CONTRACTUAL PROVISIONS

1. This chapter of these tender specifications holds the specific administrative and contractual provisions that apply to this public contract by way of derogation from the 'General Implementing Rules for public procurement' of the Royal Decree of 14 January 2013 (Royal Decree of 14 January 2013 establishing the general rules for the execution of public contracts), hereinafter referred to as “GIR”, or as a complement or an elaboration thereof. The numbering of the articles below (between brackets) follows the numbering of the “GIR” articles. Unless indicated, the relevant provisions of the “GIR” apply in full.

2. These tender specifications do not derogate from the “GIR”.

SECTION (A) - GENERAL

3. USE OF ELECTRONIC MEANS (ART. 10)

The use of electronic means for exchanges during the performance of the contract is permitted unless stated otherwise in these tender specifications. In such cases, notifications from the contracting authority will be sent to the address or registered office mentioned in the tender.

4. MANAGING OFFICIAL (ART. 11)

4.1. The managing official for this public contract will be assigned in the award notification. The managing official is responsible for overseeing the performance of the contract.

4.2. Once this public contract is concluded, the managing official serves as the primary point of contact for the service provider. All correspondence or questions regarding the performance of the contract should be directed to him/her, unless otherwise explicitly stated in these tender specifications.

4.3. The managing official has full authority to monitor the satisfactory performance of the contract, which includes issuing service orders, preparing reports and statements, approving services, progress reports, and reviews. They may order changes to the contract with regards to its subject-matter or performance, provided that such changes remain within its original scope.

4.4. However, the signing of amendments or any other decision or agreement implying derogation from the initial terms and conditions of the contract are not part of the competence of the managing official. For such decisions the contracting authority is represented as stipulated under clause 1 of chapter 1 General Remarks.

4.5. Under no circumstances is the managing official allowed to modify the terms and conditions (e.g. performance deadline) of the contract, even if the financial impact is nil or negative. Any commitment, change or agreement that deviates from the conditions in these tender specifications and that has not been notified by the contracting authority, will be considered null and void.

5. CONFIDENTIALITY (ART. 18)

5.1. Service providers who, during the performance of the contract, receive information or documents or data of any kind that are classified as confidential and relate, in particular, to the subject matter of the contract, the resources required for its performance and the operation of the contracting authority's services, shall take the necessary measures to prevent such information, documents or data from being disclosed to third parties who have no right to know them.

5.2. Service providers who, in the performance of the contract, have knowledge of a drawing or model, know-how, method or invention belonging to the contracting authority or jointly to the contracting authority and the service provider, shall refrain from any communication concerning the drawing or model, know-how, method or invention to third parties, unless those elements are the subject of the contract.

6. PROTECTION OF PERSONAL DATA

6.1. 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 the 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 natural persons with regard to the processing of personal data contains stricter provisions, the contracting authority will act in accordance with said law.

6.2. Processing of personal data by the service provider

Where during contract performance, the service provider processes personal data of the contracting authority or in execution of a legal obligation, the following provisions apply:

For any processing of personal data carried out in connection with this public contract, the service provider is required to comply with 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 (GDPR) and the Belgian law of 30 July 2018 on the protection of natural persons with regard to the processing of personal data.

By simply participating in the contracting process, the tenderer certifies that he will strictly comply with the obligations of the GDPR for any processing of personal data conducted in connection with that public contract.

Given the public contract, it is to be considered that the contracting authority and the service provider will each be responsible, individually, for the processing.

7. INTELLECTUAL PROPERTY (ART. 19 TO 23)

7.1. The contracting authority **acquires** the intellectual property rights created, developed, or used during performance of the public contract.

7.2. Unless otherwise specified in the procurement documents and without prejudice to clause 7.1, when this public contract involves the creation, manufacture, or development of designs, logos, or similar works, the contracting authority acquires the intellectual property rights to these works. This includes the right to trademark, register, and protect them.

7.3. For any domain names created under this public contract, the contracting authority similarly acquires the right to register and protect them unless stated otherwise in the procurement documents.

SECTION (B) - FINANCIAL GUARANTEES

8. PERFORMANCE BOND (ART. 25 TO 33)

No performance bond is required for this public contract.

SECTION (C) - THE PUBLIC CONTRACT DOCUMENTS

9. CONFORMITY OF PERFORMANCE (ART. 34)

The services must comply in all respects with the procurement documents. In the absence of specific technical specifications in the procurement documents, the performance of the contract must meet the highest standards of good practice in the relevant field.

SECTION (D) - CHANGES TO THE PUBLIC CONTRACT

10. REPLACEMENT OF THE SERVICE PROVIDER (ART. 38/3, °1)

10.1. Scope

The clause may be applied in case the service provider is unable to continue the performance of the contract due to termination of the contract (art. 61, 62 or 62/1, °2 of the "GIR") or after taking an ex officio measure (art. 47 of the "GIR").

10.2. Nature of the amendment

In derogation of art. 47, § 2, °3 of the "GIR", the contracting authority may, in all the above cases, immediately award a new contract to the subcontractor(s) of the service provider already involved in the performance of the contract or to the second-ranked tenderer, for all or part of the contract still to be performed, and this without initiating a new award procedure. This agreement will take the form of an amendment to the original contract to be concluded between the contracting authority and the new service provider.

10.3. Conditions under which this revision clause may be used

Provided that they meet the selection criteria and the exclusion grounds set out in this document, and if they can meet the initial conditions of the contract, the contracting authority may conclude a contract for account with the service provider 's subcontractor(s) already involved in the performance of the contract.
To this end, the contracting authority shall contact the subcontractor(s) or his (their) representative(s), asking whether he (they) can meet the original terms of the contract.
If the subcontractor(s) cannot meet the original conditions, a contract for account may be concluded under amended conditions. Before concluding such an amended contract, the contracting authority shall check whether the new conditions are still more advantageous than those of the tenderer ranked second during the evaluation of the tenders under the original award procedure. If this is not the case, the contracting authority will conclude a contract for account as referred to in the paragraph below.

If the contracting authority is unable or unwilling to avail itself of the option mentioned in the preceding paragraph, a contract for account may be concluded with the tenderer who was ranked second during the evaluation of the tenders under the original award procedure, provided that he meets the selection criteria and the exclusion grounds set out in this document.
To this end, the contracting authority contacts the second-ranked tenderer or his representative to ask whether he agrees to maintain his bid. If that bidder agrees without reservation, the contracting authority proceeds to award and conclude the contract for account.
If the tenderer in question does not agree to maintain the terms of his initial tender or if his modified tender does not remain the most economically advantageous on the basis of the evaluation of the tenders under the original award procedure (after exclusion of the initial service provider), the contracting authority shall address itself:

(a) either successively, according to the ranking, to the other regular the tenderers. In this case too, the contracting authority contacts the tenderer concerned or his representative to ask whether he agrees to maintain his tender. If that tenderer agrees without reservation, the contracting authority proceeds to award and conclude the contract for account ;

(b) or simultaneously to all the other regular tenderers, asking them to revise their tender, on the basis of the initial terms of the contract, in order to award and conclude the contract on the basis of the tender that has become the most economically advantageous.

In any case, the contracting authority shall ensure that verification of the absence of grounds for exclusion and compliance with the selection criteria has taken place in an impartial and transparent manner, either in the context of the initial award procedure or at the time of the conclusion of the contract for account, so that no contract is awarded to a tenderer (or subcontractor) who should have been excluded or who does not meet the selection criteria. The minimum requirements of qualitative selection may, where appropriate, be adjusted in proportion to the remaining part of the contract if the contract for account is concluded only for part of the contract still to be performed.

The contract for account will be concluded by means of an amendment to the original contract, which will be signed by the contracting authority and the new service provider. If the contract has already been partially performed, this amendment will accurately mention all parts of the contract that still need to be performed. The amendment shall also mention all the changed conditions compared to the original tender of the initial service provider, and compared to the original tender of the new service provider. If necessary, the amendment shall state the method of application of the original conditions to the remaining part of the contract. All other conditions stated in the contract documents (the tender specifications and the original tender of the initial or new service provider), shall continue to apply unchanged.

If a contract for account is concluded, a copy of the amendment concerning the contract to be concluded shall be sent to the initial service provider by electronic transmission, in deviation from art. 47, § 3 (3) of the "GIR".
If, following the application of an ex officio measure (art. 47 of the "GIR"), the price of the new contract for account concluded is higher than that of the initial contract, the initial service provider shall bear the additional costs.

11. REVISION OF PRICES (ART. 38/7)

Price revisions are not allowed under this contract.

12. INDEMNITIES FOR SUSPENSIONS ORDERED BY THE CONTRACTING AUTHORITY DURING CONTRACT PERFORMANCE (ART. 38/12)

12.1. The contracting authority reserves the right to suspend the performance of the contract for a given period, mainly because it considers that the procurement contract cannot be performed without inconvenience at that time.

12.2. The performance period is extended by the period of delay caused by this suspension, provided that the contractual performance period has not expired. If it has expired, the return of fines for late performance may be agreed.

12.3. When activities are suspended, based on this clause 12.3, the service provider is required to take all necessary precautions, at his expense, to protect the services already performed and the materials from potential damage caused by unfavourable weather conditions, theft or other malicious acts.

12.4. The service provider has a right to damages for suspensions ordered by the contracting authority when:

(a) The suspension lasts in total longer than one twentieth of the performance period and at least ten working days or fifteen calender days, depending on whether the performance period is expressed in working days or calendar days;

(b) The suspension is not due to unfavorable weather conditions or other circumstances beyond the contracting authority's control which, in the contracting authority's discretion, constitute an obstacle to the continued performance of the contract at that time;

(c) The suspension occurs during the contract's performance period.

13. UNFORESEEABLE CIRCUMSTANCES

13.1. As a general rule, the service provider is not entitled to request modifications to the contractual terms for circumstances unknown to the contracting authority.

13.2. A decision by the Belgian state to suspend cooperation with a partner country, or a decision of a government of a partner country to suspend cooperation with the Belgian state, constitutes an unforeseeable circumstance under this clause 13. In the event that the Belgian state or the partner country terminates or ceases activities, which implies therefore the financing of this public contract, Enabel will make reasonable efforts to negotiate a fair maximum compensation amount.

14. TAXATION HAVING AN EFFECT ON THE VALUE OF THE PUBLIC CONTRACT (ART. 38/8)

14.1. For this public contract, a price revision resulting from a change in taxation is possible if the case occurs in Belgium or in the country of performance concerned by this public contract and has an incidence on the value of the public contract.

14.2. Such price revision is only possible if both the following conditions apply:

(a) The change entered into force after the tenth day preceding the deadline for submission of tenders, and

(b) Either directly, or indirectly by means of an index, such taxation is not included in the revision formula provided for in procurement documents in application of Article 38/7 of the "GIR".

14.3. In the event of an increase in charges, the service provider must prove that it has actually borne the additional charges it has claimed and that they are related to the performance of the contract.

In case of a reduction, there is no revision if the service provider proves that he paid the charges at the old rate.

15. TERMS OF INTRODUCTION (ART. 38/14 TO 38/17)

15.1. The contracting authority or the service provider who wishes to rely on one of the review clauses, as referred to in Articles 38/9 to 38/12 of the "GIR", must give written notice of the facts or circumstances invoked on which it relies within 30 days, either after they occurred or after the date on which the contracting authority or the service provider should normally have known about them.

15.2. The service provider may only invoke the application of one of these review clauses if it succinctly discloses the influence of the facts or circumstances invoked on the course and cost of the contract to the contracting authority within the period mentioned under clause 15.1, regardless of whether the contracting authority is aware of the facts or circumstances.

SECTION (F) - PERFORMANCE MODALITIES

16. DEADLINES AND TERMS (ART. 147)

1.2. The service provider must complete the services within **12 (twelve) weeks**, starting from **the day following the date of the kick-off meeting**.

17. PLACE OF PERFORMANCE (ART. 149)

The services must be performed at the following address: **Maputo, Mozambique**.

18. INSPECTION OF THE SERVICES (ART. 150)

18.1. If irregularities are identified during the performance of this contract, the service provider will be promptly notified by e-mail, followed by confirmation via registered letter. The service provider is required to rectify the non-compliant services.

18.2. The service provider must notify the managing official in writing, either by registered post or e-mail (with proof of the exact dispatch date), specifying the date on which the services will be available for inspection.

19. LIABILITY OF THE SERVICE PROVIDER (ART. 152-153)

19.1. The service provider assumes full responsibility for any mistakes or deficiencies in the services delivered.

19.2. The service provider shall indemnify the contracting authority against any damages it may incur as a result of liability towards third parties arising from delays in the performance of the services or any failure by the service provider to fulfill its obligations.

SECTION (G) - MEANS OF ACTION

20. FAILURE OF PERFORMANCE (ART. 44)

20.1. The service provider shall be considered in breach of this public contract under the following circumstances:

(a) When contract performance is not carried out in accordance with the conditions specified in the procurement documents;

(b) When, at any time, contract performance has not progressed in such a way that it can be fully completed on the due dates;

(c) When the service provider fails to comply with written orders issued in due form by the contracting authority.

Any failure to comply with the provisions of the public contract, including the non-compliance with orders from the contracting authority, will be documented in a report ('process verbal'). A copy of this report will be sent immediately to the service provider either by registered post or e-mail (with proof of the exact dispatch date).

20.2. The service provider must address the defects without delay. He may assert his right of defence, either by registered post or e-mail (with proof of the exact dispatch date), addressed to the contracting authority within fifteen days from the date of dispatch of the report (process verbal). Silence on his part after this period shall be deemed as acknowledgement of the reported facts.

20.3. Any defects that can be attributed to the service provider may result in the application of one or more measures as provided in Articles 45 to 49, 154 and 155 of the “GIR”.

21. FINES FOR DELAY (ART. 46 AND 154)

21.1. Fines for delay differ from penalties referred to in Article 45 of the “GIR”. They are due, without the need for notice, by the mere lapse of the performance period without the issuing of a report and they are automatically applied for the total number of days of delay.

21.2. Fines for delay are calculated, according to Article 154 of the “GIR”, at a rate of **0.1%** per day of delay, with a **maximum of 7.5%**, of the value of all or part of the services that were performed with the same delay.

21.3. If the execution deadline is an award criterion, the penalty rate may increase to a **maximum of 10%**, depending on the weight assigned to this criterion in the tender specifications.

21.4. Without prejudice to the application of these fines, the service provider shall indemnify the contracting authority where appropriate against any damages owed to third parties on account of its delay in performing the contract.

22. MEASURES AS OF RIGHT (ART. 47 AND 155)

22.1. When, upon the expiration of the deadline specified in Article 44, § 2 of the “GIR”, to present justifications, the service provider has remained inactive or has submitted justifications deemed insufficient by the contracting authority, the latter may invoke the measures as of right outlined in clause 22.2 However, the contracting authority may apply these measures before the expiration of the aforementioned term when the service provider has explicitly acknowledged the identified shortcomings.

22.2. The measures as of right are:

(a) Unilateral termination of the contract. In this case the entire performance bond, or if no bond has been posted an equivalent amount, is acquired as of right by the contracting authority as lump sum damages. This measure excludes the application of any fine for delay in performance in respect of the terminated part;

(b) Completion of all or part of the unfulfilled contract by the contracting authority itself;

(c) Conclusion of one or more replacement contracts with one or more third parties for all or part of the contract remaining to be performed.

The measures outlined in points (a), (b), and (c) will be executed at the expense, risk, and peril of the defaulting service provider. However, any fines or penalties imposed during the performance of a replacement contract will be borne by the new service provider.

SECTION (H) - END OF THE PUBLIC CONTRACT

23. ACCEPTANCE OF THE SERVICES PERFORMED (ART. 64 AND 156)

23.1. The managing official will closely follow up the services during their performance. The services will not be accepted until after having satisfied the inspections, technical acceptance operations and prescribed tests.

23.2. Final Acceptance will occur upon service delivery completion, marking full contract completion.

23.3. When the contracting authority is in possession of the list of services provided or the invoice and the total or partial completion of the services is established in accordance with the procedures laid down in the contract documents, the contracting authority shall carry out the verification, proceed with the acceptance formalities and notify the service provider of the result. In any event, the verification shall be carried out within the processing period referred to in Article 160(1) of the “GIR” (clause 24).

23.4. If the services are completed before or after the expected date, the service provider must notify the managing official by registered letter or electronic mail that provides equivalent assurance of the exact date of dispatch, and shall request that the acceptance procedure be carried out.

23.5. Any progress payment shall be preceded by partial acceptance. The last partial acceptance is considered final acceptance and concludes the services under the contract.

24. INVOICING AND PAYMENT (ART. 66-72 AND 160)

24.1. The contracting authority shall verify and pay the amount due to the service provider within a processing period of thirty days from the date on which it is established that all or part of the services have been completed, the terms of which shall be laid down in the contract documents. However, payment can only be made if the contracting authority is in possession of the duly established invoice.

24.2. Only services that have been performed correctly may be invoiced. The invoice must be issued in EURO.

24.3. The service provider sends (one copy only of) the invoices and the contract acceptance report (original copy) to the following address: **Enabel, Belgian Development Agency, Av. do Zimbabwe, 385.**

24.4. Payment will be made against the acceptance of the corresponding deliverables by Enabel, in coordination with MIREME/UIPCE, in accordance with the payment schedule set out below:

a) A payment of 30% of the Contract Price shall be made upon submission and acceptance by Enabel of the Phase 1 deliverables (D0–D3)**.**
b) A payment of 40% of the Contract Price shall be made upon submission and acceptance by Enabel of the Phase 2 deliverables D4–D5**.**
c) The remaining 30% of the Contract Price shall be paid upon submission and acceptance by Enabel of the Phase 2 deliverables D6–D7 and completion of the final handover package**.**

Payments relating to Phase 2 shall become due only if Enabel issues a positive written go/no-go decision following acceptance of the Phase 1 deliverables (D0–D3). If Phase 2 is not authorised, the contract shall conclude upon acceptance and payment of Deliverables D0–D3, and no further payments shall be due.

25. ADVANCE PAYMENTS

25.1. Notwithstanding clause 24.2 and in accordance with Articles 12/1 to 5 of the Law of 17 June 2016 on public procurement, inserted by the Law of 22 December 2023 amending the regulations on public procurement in order to promote SMEs' access to these contracts, an advance of 15 per cent of the reference value may be granted to the service provider.

25.2. The advance is calculated on the basis of the reference value of the public contract, i.e.:

(a) If the duration of the public contract is equal to or less than 12 months, the reference value is equal to the initial value of the public contract, all taxes included;

(b) If the duration of the public contract is greater than 12 months, the reference value is an amount equal to 12 times the initial value of the public contract, including taxes, divided by the duration of the contract expressed in months;

(c) In the case of an open-ended public contract, the reference value is the value per month of the public contract multiplied by 12.

For the calculation of the initial value of the contract, neither conditional blocks nor renewals shall be taken into account.

25.3. No advance is granted before:

(a) Notification of the conclusion of the public contract;

(b) A written dated demand submitted to the contracting authority;

(c) A financial guarantee for the full amount of the advance is provided. The guarantee will only be released when the amount of the advance has been fully covered by the performance of the public contract and has been the subject of invoices approved by the contracting authority. This financial guarantee must enable the contracting authority to obtain reimbursement of the advance it has paid in the event of total or partial non-performance of the public contract.

25.4. Payment of the advance may be suspended if it is found that the service provider does not comply with his contractual obligations or if they contravene the provisions of Article 7 of the Law of 17 June 2016 on public procurement.

25.5. The advance granted is charged to the amounts owed to the service provider, as follows: The first half of the advance payment shall be offset against the sums due to the service provider when the value of the services performed reaches 30 per cent of the original order amount and the second half of the advance shall be offset against the sums due to the service provider when the value of the services performed reaches 60 per cent of the original order amount.

5 TERMS OF REFERENCE

Development of AI-Assisted Pre-Feasibility Methodology Pilot for Mini-Grid Site Preparation in Mozambique

PUBLICATION REFERENCE: MOZ22005-10416

Background

Enabel

Enabel is the Belgian Development Agency responsible for implementing Belgian development cooperation. It also carries out projects on behalf of other national and international partner organisations. Together with its Belgian and international partners, Enabel delivers solutions to address pressing global challenges: climate change, social and economic inequalities, demographic trends, peace and security. With a team of 2,000 employees, Enabel manages some 170 projects across 20+ countries in Belgium, Africa and the Middle East.

Context

Enabel Mozambique, through the cooperation portfolio 2023–2028, aims to consolidate the lessons learned over the past 20 years while supporting emerging themes. The €25 million portfolio aims at supporting the country in embarking on a just and inclusive low carbon development pathway by fostering a multi stakeholder integrated approach based on local needs, national priorities, and global trends. Climate is the underpinning theme in the portfolio, focusing on policy dialogue to promote climate resilience and energy transition, enhancing three (3) public services (water, waste, energy), while working on losses and damages as a transversal theme. The intervention is designed around three actions:

- A multi stakeholder intervention that will further develop local experience and expertise in climate proof public services related to access to water and energy, as well as waste management and circular economy, to improve the living conditions of local communities and feed the overarching policy dialogue and preparedness to disasters.
- A complementary intervention to the first one, reinforcing the work on disaster preparedness, through a debt swap funding mechanism.
- A study, expertise and preparation facility intervention that will act as a catalyst for mobilising climate finance for national priorities within the priority sectors of the multi stakeholder intervention. The present assignment is implemented under this third action and supports the rural electrification agenda of the Government of Mozambique through improved screening and preparation of potential mini-grid sites.

Sector Context

Mozambique has set the ambition of universal access to electricity by 2030 under the Estratégia Nacional de Electrificação (ENE) and the Energy Transition Strategy (ETS). The Integrated Energy Access Plan (IEP) developed by MIREME under the UIPCE and technically supported by Sustainable Energy for All (SEforALL) provides a least-cost, geospatially informed roadmap that identifies the most appropriate electrification technology (grid extension, mini-grid, or solar home system) for every unserved settlement in the country. Mini-grids are a central pillar of this plan, particularly in the central and northern provinces where dispersed settlements, productive potential and distance from the national grid converge.

To translate the IEP from a planning instrument into a pipeline of sites suitable for subsequent detailed preparation, DNE, UIPCE, ARENE and FUNAE require a consistent method for screening potential mini-grid sites. This assignment tests whether existing datasets and selected analytical tools can produce transparent, indicative screening outputs that inform subsequent project-preparation decisions. It does not produce concession-ready pre-feasibility studies, tender documents or investment decisions and it does not replace the technical, financial, environmental and regulatory due diligence required before tendering.

Partner institutions

The partner institutions involved in this consultancy are:

- **MIREME - Ministry of Mineral Resources and Energy.** Responsible for national energy planning, policy formulation and oversight of the energy sector. MIREME hosts the UIPCE and will receive the project- specific methodology, data schemas and hand-over materials produced under this pilot.
- **UIPCE - Unidade Integrada de Planificação e Coordenação para a Electrificação.** The dedicated unit within MIREME mandated to plan and coordinate electricity access. The UIPCE will be the operational beneficiary of the screening methodology and output templates demonstrated under this assignment.
- **ARENE - Autoridade Reguladora de Energia.** The independent national energy regulator. ARENE will be consulted, subject to availability of the information fields that may be relevant to possible future mini-grid concession preparation. Outputs under this pilot are indicative screening materials **only** and are not tender launch documents.
- **FUNAE - Fundo de Energia.** Public body subordinated to MIREME promoting renewable energy and rural electrification. Subject to confirmed data-access arrangements, FUNAE may provide relevant existing site-level or operational data to inform the pilot.
- **EDM - Electricidade de Moçambique.** National electricity utility, responsible for on grid operations, distribution standards and potential interconnection prospects.
- **SEforALL - Sustainable Energy for All.** Has a global mandate to accelerate progress on the energy transition in emerging and developing countries. In Mozambique they are supporting the development of the IEP geospatial analysis and methodology that anchor the site identification underpinning this assignment.
- **AMER - Associação Moçambicana de Energias Renováveis.** Mozambican industry association of mini-grid developers and renewable energy operators. To be consulted on bankability and concession design.

Rationale and Approach

Conventional pre-feasibility studies for mini-grids in Mozambique are site specific and resource intensive. Existing survey and geospatial data may permit a more efficient screening step before detailed studies are commissioned. The existing dataset of ground surveys covering approximately 100 sites provides a basis for testing data quality output structure and the practical limits of an AI assisted screening methodology. It's not assumed to be statistically sufficient for production grade validation model. The assignment may inform later detailed pre-feasibility work, institutional decision making, but does not constitute concession tender preparation.

This assignment is intentionally limited. It does not require development of a production platform, new primary data collection, preparation of bankable pre-feasibility studies, tender documentation or outputs that can directly support a concession award. It culminates in one consolidated package containing the methodology, demonstration outputs, limitations and requirements for any later scale-up.

Objective

General Objective

The objective of the assignment is to test and document an AI-assisted methodology for indicative mini-grid prefeasibility screening in Mozambique, using existing quality-assessed data and limited number of demonstration test sites, and to deliver a transferable handover package for MIREME/UIPCE decision making.

Specific Objective

This general objective is underpinned by the demonstration of a Minimum Viable Product (MVP) pre-screening workflow on a limited set of test sites drawn from the standardized site survey dataset. This will be achieved by establishing a secure data ingestion schema, designing a calibration and confidence-scoring framework for automated outputs, and delivering a sustainable institutional roadmap for operational transfer to MIREME/UIPCE

Methodology

Methodological principles

The methodology rests on five operating principles consistent with the pilot scope. First, a hybrid AI expert-in-the-loop approach: automated components (including geospatial pre-screening, demand and productive-use proxies, open-source sizing libraries, confidence scoring) are paired with expert review at each relevant stage. Second, reuse of existing data: the 100-site survey dataset, complemented by IEP geospatial layers and FUNAE operational records (where available), is the primary input, with no new primary data collection foreseen under this assignment. Third, alignment with national planning, and output fields shall be relevant to the IEP and future site screening requirements. Fourth, open and transferable outputs: schemas, configured templates, scripts or code developed specifically under this assignment, model cards and documentation, shall be provided in open or widely used formats, subject to the background IP provisions below. . Fifth, traceability and conservative claims: every material automated output shall carry a confidence statement or score, a limitation flag and documented source-data lineage, and the pilot shall state explicitly about what it does not demonstrate.

Key risks and pre-conditions

The pilot is feasible only where the minimum data needed for a limited demonstration is accessible and usable. By the inception report (D1), Enabel and the contractor shall confirm a minimum data package consisting of: (i) access arrangements for the existing survey dataset or a representative extract; (ii) an available-data inventory identifying known variables and gaps; (iii) an initial list of candidate demonstration sites; and (iv) the confirmed status of IEP, FUNAE and ARENE inputs. During Week 1, the Contractor shall verify the adequacy of that package and recommend five (5) demonstration sites. If fewer than five sites have sufficiently usable data, Enabel shall decide in writing whether to reduce the demonstration sample or not authorise the MVP demonstration phase; the Contractor shall not be required to generate unsupported site outputs.

To manage this data-sufficiency risk, the assignment is delivered in two phases. Phase 1 (fixed) comprises mobilisation, the data inventory and quality assessment, the IP/licensing and data protocol, and the screening methodology, corresponding to deliverables D0–D3. Phase 2 (conditional) comprises the MVP (workflow) demonstration, the confidence and calibration framework, limitation annex, scale up options note and handover pack, corresponding to deliverables D4–D7. Phase 2 is authorised only by a written go/no-go decision issued by Enabel. The decision is based on data assessment and recommended demonstration sample set out in D2, and confirms that at least five (5) sites have sufficiently usable data. Enabel issues this decision within five (5) business days of accepting D2 and in any case by the end of Week 5, so that the outcome is known before D3 is finalised. D3 is a fixed Phase 1 deliverable produced in all cases. If the decision is negative, D3 incorporates Phase 1 closure and handover recommendations, the assignment concludes upon acceptance of D0–D3, no Phase 2 outputs are required, and Payments 2 and 3 do not fall due.

Data strategy

The 100-site survey dataset constitutes the calibration backbone of the pilot. The Contractor partitions the available records into training, validation and hold-out subsets sufficient to demonstrate the calibration logic, while acknowledging the statistical limits of a dataset of this size. Geospatial inputs (settlement footprints, productive use indicators, road and grid network proxies, and climate and hazard layers) are drawn primarily from the IEP, supplemented by open source sources where relevant. A data quality assessment, ingestion schema and variable map are produced and form the reference baseline for all downstream platform components that may be further developed outside the scope of this assignment.

AI approach

Within the pilot envelope, AI assisted and analytical components are limited to demonstrating the operating logic of five functions: (i) site characterisation and geospatial pre-screening; (ii) indicative demand-profile estimation from geospatial and survey proxies; (iii) productive-use opportunity and anchor-load analysis (if possible at cluster and site level); (iv) indicative technical sizing using open-source mini-grid libraries; and (v) confidence scoring and limitation flagging. Model performance is documented through model cards rather than benchmarked against production grade thresholds, reflecting the dataset size and pilot scope. The Contractor shall document its choice of algorithms, libraries, data lineages, rules and dependencies which shall be justified and must be compatible with the open licensing requirement set out in this TOR.

As a core requirement, the Contractor shall map every output function above to one of three categories (fully automated, semi-automated (machine output reviewed by an expert), or expert-led (machine output is indicative only). The mapping shall be submitted at inception report (D1) and maintained in the Methodology Manual (D3). The mapping is the principal device used to communicate the boundary between what the MVP demonstrates and what remains expert judgement.

Test-site selection for the MVP

Between five (5) and ten (10) test sites are selected from the 100-site dataset. Selection will be discussed and agreed with Enabel and may include geographic spread across IEP priority provinces, diversity of productive-use contexts (if possible), indicative presence of cluster potential with neighbouring sites and adequacy of available data. In addition, the site list will be jointly agreed with UIPCE during the inception phase and recorded in the decision log.

Calibration and confidence

Calibration under this pilot is illustrative and methodological. Its purpose is to demonstrate how a calibration logic would operate on the available data, not to produce a statistical proof of model performance. The 100 site dataset may be appropriate; the Contractor can use a hold-out subset to run a worked example on principal automated outputs (e.g. demand estimation and indicative sizing) and documents the limits of what can be inferred from a corpus of this size. Deliverable D5 therefore consists of the calibration framework itself for example, a train/validation/hold-out partition rationale, an illustrative calibration run, a margin-of-error target framework, a model card template and a retraining protocol design, together with a clear statement of statistical limitations and of what would need to be true for the framework to support production-grade claims in a future scaled assignment.

Stakeholder engagement and validation

The methodology shall be validated through a minimum of three structured remote sessions: management socialisation sessions and/or technical working sessions involving Enabel, MIREME, UIPCE, ARENE, FUNAE, SEforALL and AMER, and other relevant and available stakeholders. Subject to budget availability, the Contractor is expected to schedule additional bilateral working calls where needed to secure institutional buy-in across this group. Bidders shall submit a Stakeholder Engagement Plan as part of the proposal, refined at inception report (D1), covering target institutions, sequencing, feedback mechanisms and how disagreements are escalated and resolved. Inputs from these sessions will be recorded in the decision log and reflected in the final handover pack.

Quality assurance

The Contractor applies a single-point Team Leader sign-off on every deliverable, supported by internal peer review across the AI/data, mini-grid analysis, finance, productive-use GIS profiles and environmental and climate considerations as applicable. All deliverables are first issued in draft form for stakeholder comment, in line with the general remarks for deliverables set in this TOR.

Activities

Activities are organised as a single continuous workplan over the twelve-week contract period, structured into two phases: a fixed Phase 1 (deliverables D0–D3) and a conditional Phase 2 (deliverables D4–D7) authorised only by the written go/no-go decision described above. The activity structure is set out in the table below:

Activity	Description
1. Mobilisation and governance setup	Confirm focal points, list of stakeholders working arrangements, review cadence, data-access modalities, decision log and issue register.
2. Data inventory, quality review and ingestion protocol	Assess the available 100-site survey dataset and relevant geospatial, socio-economic, productive-use, tariff, infrastructure and planning data. Produce data quality flags, ingestion requirements and practical data consolidation protocols.

3. IP licensing and data protocol	Distinguish background materials from project-specific outputs; identify open-source and third-party proprietary dependencies; define pilot boundaries, licence, data sharing boundaries.
4. Indicative screening methodology and output template	Define the standardised AI-assisted screening, methodology including site characterisation, indicative demand assessment, productive-use analysis, technical sizing logic, safeguards/climate screening, confidence and limitations, and indicative concession relevant data-sheet structure.
5. MVP configuration and demonstration	Configure platform components for 5-10 test sites drawn from available data. Demonstrate structured outputs, human-readable report extract, confidence scoring and clustering logic where technically relevant.
6. Calibration and confidence-scoring framework	Define the train/validation/hold-out logic, confidence-scoring approach, margin-of-error framework, limitations and retraining protocol design.
7. Stakeholder validation	Hold a minimum of three (3) structured remote sessions (management socialisation session and/or technical working sessions) with Enabel/MIREME/UIPCE and invited technical stakeholders, subject to availability per stakeholder engagement plan.
8. Final consolidation	Consolidate all validated materials, decisions, assumptions, risks and editable source files into the single final handover package.

Minimum MVP demonstration

The MVP shall remain deliberately constrained. It shall demonstrate the operating logic of the platform rather than deliver a production system. Subject to data availability and Phase 2 authorization, the demonstration should include sample outputs covering:

- site characterization and geospatial context;
- initial demand assessment and demand-profile logic;
- productive-use opportunity identification and anchor-load logic;
- cluster identification where neighboring sites are technically, economically or value-chain linked;
- indicative technical sizing logic;
- financial, tariff and subsidy-assumption logic at demonstration level, demonstrated as indicative logic only and not as calibrated or validated outputs;
- safeguards and climate-screening logic, demonstrated as indicative logic only and not as calibrated or validated outputs;
- confidence scoring and limitation flags;
- sample structured machine-readable output and sample human-readable report extract.

Deliverables

The following deliverables are applicable. Deliverables D0-D3 form the fixed Phase 1 package. Deliverables D4-D7 are conditional upon Enabel issuing a positive written go/no-go decision after acceptance of the data sufficiency findings in D2.

Deliverable	Description	Indicative Timing	Acceptance criteria
D0. Kick-off minutes and governance note	Roles, scope, contact points, review protocol, data-access actions, decision log.	Within 10 business days after kick off meeting	Accepted when Enabel confirms the record of decisions and communication protocol (includes roles, review route, record of data access issues and unresolved issues)
D1. Inception report (incorporating IP, licensing and data protocol note)	Background IP register, pilot licence boundaries, data-sharing needs, confirmed minimum data package status, data security approach, source/dependency register. As the inception report, it also consolidates the refined work plan and approach, confirmed data-access arrangements, the initial automated/semi-automated/expert-led mapping, the refined Stakeholder Engagement Plan, and the initial risk register and decision log	Week 2	Accepted when data access status is recorded, data handling protocol is workable, background IP, third party dependencies and project-specific outputs are clearly distinguished. Accepted also when the refined work plan, the initial automation-level mapping and the Stakeholder Engagement Plan are confirmed.
D2. Data quality and ingestion assessment	100-site dataset review, data gaps, variable map, quality flags, recommended ingestion schema, required government/partner inputs.	Week 4	Accepted when data limitations and ingestion requirements are traceable and actionable, the proposed demonstration sample is justified and Enabel issues the written go/no-go decision on this basis
D3. Screening methodology and indicative concession output manual	AI-assisted screening methodology, PUE methodology, safeguards/climate screening, automation-level mapping, indicative ARENE concession relevant data-sheet structure.	Week 5	Accepted when methodology covers required output dimensions and identifies the automated/semi-automated/expert-led mapping for each output function

Deliverable	Description	Indicative Timing	Acceptance criteria
D4. Platform MVP demonstration	Configured MVP on 5-10 test sites, sample machine-readable output, sample human-readable report extract, confidence-score concept.	Week 6	Accepted when (i) the MVP runs end-to-end on all selected test sites; (ii) the structured machine-readable output schema is documented and produces an output for each site; (iii) a sample human-readable report extract covers the output dimensions agreed in D3; (iv) confidence scoring is applied to the principal outputs; and (v) limitations and known failure modes are explicitly listed. Acceptance follows a live or recorded demonstration and resolution of agreed technical comments.
D5. Calibration and model-performance framework	Train/validation/hold-out proposal, preliminary calibration results, margin-of-error target framework, model-card template, retraining protocol design.	Week 7	Accepted when the calibration framework is documented as illustrative and methodological, the partition rationale and model-card template are complete, and the limitations of the 100-site dataset and of what can be inferred at this scale are explicitly stated.

Deliverable	Description	Indicative Timing	Acceptance criteria
D6. Continuation Options and Full Implementation Roadmap	Continuation Options Note assessing three pathways: (Path A) direct technical / IP continuation with the same Contractor where objectively justified by Contractor Background IP and no reasonable alternative; (Path B) competitive implementation tender with the Contractor participating as a named AI Platform, Calibration and Pre-Feasibility Methodology Lead in a consortium; (Path C) hybrid route separating platform-specific continuation from competitively procurable activities (fieldwork, independent data collection, local facilitation, external QA). Includes full implementation workplan, data-population period, procurement safeguards, eligibility and capacity-reliance pathway; institutional use-case note describing how UIPCE would operate the workflow after the assignment, the skills and systems required, data-update responsibilities, and the decisions that need to be taken before any scale-up.	Week 8	Accepted when Enabel has a clear neutral decision basis for the next or continuation route.
D7. Final report (Handover Pack)	Final report, executive deck in English and Portuguese, data dictionary, assumptions book, decision log, risk register, stakeholder validation record and editable project specific source files.	Week 8	Accepted when final comments are addressed, all applicable components and editable project specific files are delivered and the pack is complete.

General remarks for deliverables

- All intermediate and final documents will first be submitted in draft form to allow Enabel, MIREME, UIPCE and where relevant FUNAE and ARENE to comment before approval.
- The Contractor maintains a clear and transparent version management system. The review timeframe for intermediate deliverables is around five (5) business days from submission. The standard timeframe for multi- stakeholders to provide consolidated comments for the final documents, institutional buy-in and validation of Portuguese translations is three (3) calendar weeks; if conditions outside Enabel's control arise (e.g. ministerial level approval), this timeframe is extended and the overall timeline is adjusted accordingly.
- Deliverables are provided in editable source format and PDF, in English (with Portuguese only required for the final reports and final deliverables, namely the final report and handover pack; all intermediate deliverables are provided in English only), and all data, geospatial layers, models and code in open or widely used formats accompanied by metadata. Acceptance is based on completeness, traceability and decision usefulness, not on production readiness.

Location, Facilities and Logistics

The assignment is performed remotely, with no field missions. Online working sessions with Enabel, MIREME, UIPCE, ARENE and other technical stakeholders take place by videoconference at the cadence agreed at kick-off.

Intellectual Property, Data Ownership and Sustainability

By derogation from the default provision of Article 19 of the General Implementing Rules, and in line with the assignment's institutional strengthening objective, the following intellectual property regime applies:

- Full ownership of the reports, data schemas, project specific templates configured to Mozambique use case, including quality data assessment, methodology notes, model card template, decision log, risk register and continuation options are transferred to MIREME (UIPCE) on final acceptance, with a perpetual, royalty free, transferable licence to use, modify, sub-license and extend to those project specific outputs.
- All third-party components and dependencies must be licensed under terms compatible with this transfer. Any proprietary dependency must be flagged in the inception report (D1) with a proposed mitigation strategy.
- Where the Contractor’s approach relies on a proprietary platform or pre-existing (background) intellectual property (including pre-existing software, source code, algorithms, model workflows, model weights, confidence-scoring logic, internal templates and platform architecture developed before or independently of this assignment) the bidder declares this at proposal stage and specifies the proposed licence arrangement. Background IP is NOT transferable to MIREME, UIPCE or Enabel. For the duration of the assignment, the Contractor grants Enabel, MIREME and UIPCE a limited, non-exclusive, non-transferable pilot use to access and review the configured MVP solely for evaluation of the Mozambique mini-grid use case. This pilot licence does not include source-code transfer, model-weight transfer, sublicensing rights, rights to reverse-engineer the platform, production deployment rights, or rights to operate the platform independently in the future.
- The 100-site survey dataset remains the property of its original data holders. The Contractor uses it only under the agreed data-sharing terms and only for the authorised assignment.

Risks, Safeguards and Cross Cutting Requirements

Gender, equality and social inclusion

Whenever possible gender, equality and social inclusion considerations are mainstreamed throughout the methodology. The Contractor adheres to Enabel's Policy regarding sexual exploitation and abuse and Enabel's Policy regarding fraud and corruption risk management.

Data protection and Governance

Personal data contained in authorised source data sets or exchanged during the stakeholder engagement shall be processed in in compliance with Mozambican law and the EU GDPR. No new primary data collection or field validation is required under this assignment.

Data governance covers the 100-site survey dataset, FUNAE operational records (if available) and all derived outputs. During the assignment, access is limited to named members of the Contractor's team, Enabel and the MIREME/UIPCE focal point, under a data handling protocol agreed at inception. Reuse and re-sharing of underlying datasets with third parties requires written consent from the data owner (Enabel, FUNAE, MIREME as applicable). On final acceptance, MIREME becomes the data steward of the consolidated outputs; the underlying source datasets remain under the responsibility of their original owners. The Contractor does not retain copies of source datasets after final acceptance, except as expressly authorised in writing

Institutional Arrangements and Reporting

Enabel is the contracting authority and signs the contract with the Contractor. The technical work directly benefits MIREME and UIPCE, who are the institutional owners of the outputs.

Day to day management is led by Enabel's Managing Official (designated in the contract award notification), with technical inputs from DNE, UIPCE, FUNAE and ARENE designated focal points. The Contractor appoints a single Team Leader as the day-to-day counterpart for Enabel and UIPCE.

The following Governance structure is applicable:

- Enabel focal: validates scope, reviews deliverables, coordinates procurement/legal feedback and confirms stakeholder access.
- MIREME/UIPCE focal point confirms institutional needs, receives data-population protocols and reviews and participates in technical validation.
- Contractor accountable for delivery, for configuration, the screening, MVP demonstration, data schema and calibration logic, quality assurance and communication with Enabel.
- Technical stakeholders: may include DNE, UIPCE, FUNAE, ARENE, SEforALL and relevant technical partners, convened for validation rather than decision-making.

Team Composition and Profile Requirements

The Contractor is free to propose the composition of the team, including any subcontracting arrangement. The proposed team must demonstrate the following minimum profiles. A single team member may cover more than one profile where qualifications allow. The CVs must demonstrate the required competencies. Copies of academic diplomas (or equivalent certifications) and signed availability statements for all proposed experts must be submitted with the proposal.

Profile	Minimum Requirements
Team Leader	Master's degree in energy, engineering, economics, public policy or related field. Minimum 10 years' experience in mini-grid, rural electrification or energy access, including at least three (3) bankable mini-grid pre-feasibility or feasibility studies in sub–Saharan Africa. Demonstrated experience leading multidisciplinary teams. Working proficiency in English required;
AI / Data Science Lead	Master's degree in computer science, data science, applied mathematics or related field. Minimum 3 years' experience in machine learning and geospatial data science, including at least one (1) produced AI/ML system in the energy or infrastructure sector. Documented experience in transferring tools to public sector users, in calibrating models against real world survey data. a. Familiarity

Profile	Minimum Requirements
	with open source geospatial stack (Python, GDAL, PostGIS, etc.) and with mini-grid sizing libraries .
Mini-grid finance and bankability specialist	Degree in finance, economics or engineering. Minimum 3 years' experience in mini-grid or rural electrification financial modelling, bankability analysis. Experience with African energy regulators .
Productive-use & Value chain Expert	Degree in economics, rural development, agribusiness or related field. Minimum 5 years' experience in productive-use or value chain analysis linked to rural electrification. Familiarity with one or more of the priority value chains (cashew, cereals, oilseeds, fisheries, horticulture, livestock).
GIS and data Engineering Specialist	Degree in geography, geomatics or related field. Minimum 5 years' experience in geospatial analysis for energy planning, including direct work with the SEforALL IEP methodology or comparable least-cost electrification planning tools. Experience with spatial outputs and document audit trail .
Climate, safeguards and GESI Specialist	Degree in environmental science, economics or related field. Minimum 3 years' experience in environmental and social safeguards, climate screening or GESI in energy or infrastructure projects. Knowledge of NDC and Energy Transition Strategy .

While the minimum requirements for key roles must be met, tenderers are encouraged to propose team members with complementary skills. They may suggest adjustments to the distribution of responsibilities to best suit their proposed approach. The combined expertise and complementarity of the proposed team will be key.

Selection Criteria

The following requirements are evaluated on a pass / fail basis. Only tenderers who pass all selection criteria have their proposals evaluated under the Award Criteria.

Nr.	Criteria	Minimum Requirement	Met (Yes/No)
1	Firm-level relevant experience	The contractor demonstrates relevant prior delivery in the two following categories over the past five years: (a) AI / data-science / geospatial analytics applied to energy access or infrastructure planning; (b) institutional capacity-building or methodology transfer to a public-sector counterpart in the energy/infrastructure sector: Evidence is provided through references with named clients and contact details.	☐ Yes ☐ No

2	Team Academic qualification and General Experience	The contractor team meets the minimum qualification requirements set out in the Team Composition section for each of the six profiles, which may be covered by fewer than six individuals where a single team member meets the requirements of more than one profile. This evaluation is strictly binary eligibility check to ensure core competence. Where a profile is not fully met, the contractor is not eligible. CVs and signed availability statements must be submitted with the proposal.	
2.1	Team Leader profile	Master's degree in energy, engineering, economics, public policy or related field. Minimum 10 years' experience in mini-grid, rural electrification or energy access, including at least three (3) bankable mini-grid pre-feasibility or feasibility studies in sub–Saharan Africa. Demonstrated experience leading multidisciplinary teams. Working proficiency in English required	☐ Yes ☐ No
2.2	AI / Data Science Lead profile	Master's degree in computer science, data science, applied mathematics or related field. Minimum 3 years' experience in machine learning and geospatial data science, including at least one (1) produced AI/ML system in the energy or infrastructure sector. Documented experience in transferring tools to public sector users, in calibrating models against real world survey data. a. Familiarity with open source geospatial stack (Python, GDAL, PostGIS, etc.) and with mini-grid sizing libraries .	☐ Yes ☐ No
2.3	Mini-grid Finance and Bankability Specialist profile	Degree in finance, economics or engineering. Minimum 3 years' experience in mini-grid or rural electrification financial modelling, bankability analysis. Experience with African energy regulators .	☐ Yes ☐ No
2.4	Productive-use & Value Chain Expert profile	Degree in economics, rural development, agribusiness or related field. Minimum 5 years' experience in productive-use or value chain analysis linked to rural electrification. Familiarity with one or more of the priority value chains (cashew, cereals, oilseeds, fisheries, horticulture, livestock).	☐ Yes ☐ No
2.5	GIS and Data Engineering Specialist profile	Degree in geography, geomatics or related field. Minimum 5 years' experience in geospatial analysis for energy planning, including direct work with the SEforALL IEP methodology or comparable least-cost electrification planning tools. Knowledge of NDC and Energy Transition Strategy	☐ Yes ☐ No

3	Background IP declaration	The contractor declares whether the proposed approach relies on any proprietary platform or pre-existing intellectual property, licence terms, recurring costs and specifies the proposed licence arrangement to MIREME. **Evidence can be in the form of a declaration.**	☐ Yes ☐ No
4	Future procurement neutrality and conflict of interest declaration.	The bidder shall acknowledge that this assignment creates no entitlement or preferential position in any future implementation and shall declare any actual or potential conflict of interest. Evidence: signed declaration	☐ Yes ☐ No

Award Criteria

The contract is awarded to the regular Best and Final Offer (BAFO) judged most economically advantageous, evaluated against the criteria below, with a maximum total of 100 points:

Criterion	Sub score	Total
TECHNICAL OFFER		**70**
Understanding of the assignment and scope discipline Assessment: understanding of the pilot objective, mandatory scope exclusions, data-sufficiency decision gate and the boundary between indicative screening and subsequent detailed preparation. Points awarded: 1a. Pilot objective and scope exclusions (4) awarded for framing the work as testing an indicative-screening methodology and correctly stating the mandatory exclusions (no production platform, no new primary data, no bankable studies, no concession-award outputs). 1b. Phase 1 → Phase 2 go/no-go gate (3) awarded for understanding that Phase 1 is fixed and Phase 2 conditional on the written go/no-go confirming at least five usable sites, and for operating within it. 1c. Screening versus detailed-preparation boundary (3) awarded for positioning outputs as indicative screening that informs but does not replace later technical, financial, environmental and regulatory due diligence	10	
Quality of the AI-assisted screening methodology Assessment: method for site characterisation, demand assessment, productive-use and anchor-load analysis, clustering where relevant, indicative technical sizing, safeguards/climate screening, confidence statements and indicative concession-relevant data fields	20	

Criterion	Sub score	Total
Points awarded: 2a. Core method site characterisation, demand estimation and indicative technical sizing (7) awarded on technical soundness, justification of algorithms and libraries, and fit to the available data, using open or widely used tools. 2b. Productive-use, anchor-load and clustering logic (4). 2c. Safeguards/climate screening and indicative concession data-sheet structure (4) presented as indicative logic only. 2d. Confidence scoring, limitation flagging and the automated/semi-automated/expert-led mapping (5) awarded where the mapping is explicit and applied to every output function		
Data, confidence, reproducibility, IP and risk-management approach Assessment: data-quality and lineage approach; use of the confirmed minimum data package; treatment of data insufficiency; confidence and limitation framework; model-card documentation; data governance; proprietary tools/background IP disclosure; open handover formats; and non-lock-in safeguards. Points awarded: 3a. Data-quality and lineage approach and use of the confirmed minimum data package (5). 3b. Treatment of data insufficiency and the stated statistical limits of the 100-site dataset (4). 3c. Background-IP disclosure, open handover formats and non-lock-in safeguards (3). 3d. Data governance and risk management (3).	15	
Workplan, stakeholder engagement, quality assurance and handover Assessment: realistic twelve-week workplan; Phase 1/Phase 2 sequencing; deliverable milestones; review and decision-log arrangements; stakeholder engagement plan; internal quality assurance; and practical handover to UIPCE/MIREME Points awarded: 4a. Workplan realism and Phase 1/Phase 2 sequencing within the eight-week active delivery plus three-week comment and Portuguese-translation envelope (4). 4b. Stakeholder engagement plan covering target institutions, sequencing, feedback mechanisms and buy-in within the session budget (3). 4c. Quality assurance and practical handover and institutional use-case for UIPCE/MIREME (3).	10	

Criterion	Sub score	Total
Quality and relevance of the proposed team and additional experience Assessment: relevance of the two key experts focusing on qualifications, and depth of experience that exceed the minimum mandatory eligibility thresholds; adequacy and complementarity of supporting competency coverage; quality of comparable firm references exceeding base requirements; and familiarity with Mozambique or comparable institutional contexts. Points awarded: 5a. Two key experts, Team Leader and AI/Data Science Lead, experience and academic credentials beyond minimum eligibility (6). 5b. Adequacy and complementarity of supporting competency coverage, including a single expert covering several profiles (4). 5c. Comparable firm references demonstrating higher-tier institutional methodology transfers (3). 5d. Familiarity with Mozambique or comparable institutional contexts (2).	15	
FINANCIAL OFFER		**30**
Score = (Lowest tender amount / Tender A amount) × 30. The financial evaluation rewards realistic, competitive offers. Abnormally low offers may be subject to verification under Article 36 of the Royal Decree of 18 April 2017.		

Duration

The total maximum duration of the contract is twelve (12) weeks from the date of kick off meeting and data-access confirmation, The contract comprises approximately eight (8) weeks of active delivery across the two phases, together with the three-week consolidated comment cycle and Portuguese translation of the final deliverable, all accommodated within the twelve-week envelope. The weekly breakdown is set out in the Chronogram section.

Provisional acceptance is issued on approval of each deliverable along the weekly chronogram. Final acceptance is issued at the end of Week 12 upon approval of the final handover pack. Where Phase 2 is not authorised, acceptance of D0-D3, including the Phase 1 closure recommendations in D3, shall close the assignment.

Chronogram

The total maximum duration of this contract is twelve (12) weeks from the date of contract award notification and data-access confirmation, structured as follows:

1. Weeks 1–2: Mobilisation, kick-off, confirm stakeholder map. Review cadence, data-access confirmation and initial data inventory; D0 and D1 submission, define data access protocol
2. Weeks 3–4: 100-site dataset assessment; ingestion schema; geospatial and productive-use data mapping; platform architecture finalisation; D2 submission
3. Week 5: Pre-feasibility methodology, PUE framework, ESIA/climate screening and indicative ARENE concession data-sheet specification; D3 submission; Enabel issues the written go/no go decision (based on D2) by the end of Week 5.
4. Week 6: MVP configuration and demonstration on selected test sites; high-level socialisation meeting; D4 submission.
5. Week 7: Calibration framework, model-card template and retraining protocol; technical working session; government data-population protocol; Methodology Manual finalised; D5 submission.
6. Week 8: Continuation assessment, full implementation roadmap, prior-involvement safeguards and final handover pack; D6 and D7 submission.
7. Final acceptance is issued upon approval of D7 and satisfactory completion of the final review with Enabel, MIREME and UIPCE. This review period shall not introduce additional analytical scope.

Indicative Level of Effort

The budget is split across the phases as follows (indicative):

Deliverable	Weeks	Indicative Share of Total Price
D0–D3 (Fixed Phase 1: inception, data assessment, IP/data protocol, methodology and go/no-go recommendation))	Weeks 1–5	Approximately 30% of total
D4–D5 (**Conditional Phase 2:** MVP configuration, demonstration and calibration framework)	Weeks 6–7	Approximately 40% of total
D6–D7 (Conditional Phase 2 neutral Continuation options and final handover pack)	Week 8-12	Approximately 30% of total

The contract is a lump sum contract. The tenderer shall submit binding prices for the fixed Phase 1 package and for each conditional Phase 2 package. The tenderer is required to deliver all services and outputs described in this TOR for the lump sum price proposed in clause 3 of chapter 8 Forms (Tender Form-Prices). The level of effort, mix of staff are determined by the Tenderer; Enabel will not entertain claims for additional payment based on staff day undercounting.

Tenderers are explicitly invited to propose innovative cost efficiency strategies, including extensive use of AI and automation to reduce per site analytical cost, full leverage of the existing 100 site survey dataset to minimise field validation costs, partnerships with entities operating in Mozambique, and leverage of existing UIPCE/FUNAE field data. The technical evaluation places weight on the realism and credibility of the proposed cost efficiency strategy.

Payment Schedule

Payment	Deliverable	Indicative timing	% of the contract
1	D0–D3 (Fixed Phase 1: Inception, data assessment and methodology)	End of Week 5	30%
2	D4–D5 (Conditional Phase 2: MVP demonstration and calibration framework)	End of Week 8	40%
3	D6–D7 (Conditional Phase 2: Continuation options and final handover pack)	End of Week 12	30%

Each payment shall be released against acceptance of the corresponding deliverables by Enabel, in coordination with MIREME/UIPCE. Payments 2 and 3 relate to conditional Phase 2 deliverables and shall be payable only where Enabel has issued a positive written go/no-go decision after Phase 1. If Phase 2 is not authorised, the contract shall conclude upon acceptance and payment of D0-D3, including the Phase 1 closure recommendations incorporated in D3.

Annexes

The following technical annexes will be issued or made accessible to the awarded Contractor at contract signature:

- Annex A - SEforALL IEP Mozambique geospatial dataset (access protocol).
- Annex B - UIPCE site list and prioritisation criteria (if available).
- Annex C - ARENE concession tender data requirements (if available).
- Annex D - The existing 100 site survey dataset (access protocol and data sharing agreement).
- Annex E - FUNAE operational dataset on existing mini-grids, if available (access protocol).
- Annex F - Enabel data protection and safeguards templates.
- Annex G - Any existing pre-feasibility studies, available productive use studies, provincial/district development plans and value chain materials.

6 SELECTION FILE

TECHNICAL AND PROFESSIONAL APTITUDE

1. SUBCONTRACTING

The tenderer must provide a description of the part of the contract that the service provider may wish to subcontract.

2. OVERVIEW OF DOCUMENTS TO BE SUBMITTED

(a) Identification of the tenderer and financial identification form (for each participant for tenders submitted by a group) (see clause 1 of chapter 8 Forms);

(b) List of subcontractors (see clause 2 of chapter 8 Forms);

(c) Tender form - Prices (clause 3 of chapter 8 Forms)

(d) The declaration on honour and integrity form – Exclusion grounds (for each participant for tenders submitted by a group) (see clause 4 of chapter 8 Forms);

(e) Financial Identification Form (clause 5 of chapter 8 Forms)

(f) Integrity Form (clause 6 of chapter 8 Forms)

(g) All documents demanded in 6 Selection file (see clause 13 of chapter 3 Award Procedure);

(h) All documents demanded in clause 15 of chapter 3 Award Procedure (award criteria);

(i) The statutes and any other document required to establish the power of attorney of the signer(s) ;

(j) Updated Certification of Registration;

(k) The document certifying that the tenderer is in order with payment of social contributions;

(l) The document certifying that the tenderer is in order with the payment of taxes.

For points (k) and (l), where such certificates are not issued or are not available in the country of establishment of the tenderer, the tenderer shall provide an equivalent supporting document acceptable under the laws of the country of establishment.

(m) Where an economic operator wants to rely on the capacities of other entities (particularly subcontractors or independent subsidiaries) with regard to the criteria of economic and financial capacity or technical and professional aptitude (see clause 13 of chapter 3 Award Procedure and 6 Selection file), it shall prove to the contracting authority that it will have at its disposal the resources necessary, for example, by producing a commitment by those entities to that effect;

(n) A detail of the prices quoted, listing for each item the various elements that are included in the price and the applicable taxes;

(o) The statutes and any other document required to establish the power of attorney of the signer(s) (for each participant for tenders submitted by a group);

(p) Where the tender is submitted by a group of economic operators, the association agreement signed by each participant, clearly showing who represents the association.

8 FORMS

1. IDENTIFICATION FORM

Enabel

Identification form Natural person

This form must be completed, signed and accompanied by a legible photocopy of the identity document.

Please complete the form in CAPITAL LETTERS and LATIN LETTERS.

I. PERSONAL DATA	
FAMILY NAME(S) *As indicated on the official document.*	
FIRST NAME(S) *As indicated on the official document.*	
DATE OF BIRTH *DD MM YYYY*	
PLACE OF BIRTH *(town, village)*	
TYPE OF IDENTITY DOCUMENT *(identity card, passport, driving licence etc.)*	
ISSUING COUNTRY	
IDENTITY DOCUMENT NUMBER	
ADDRESS (permanent) *Street+ P.O. Box* *Postal code* *City, Region/Province* *Country*	
TELEPHONE NUMBER	
E-MAIL	
II. BUSINESS DATA	
PLEASE SPECIFY YOUR STATUS:	☐ Duly registered independent ☐ Unregistered self-employed (no official formalisation) ☐ other (please specify): …………………………………………………………………………… ……………………………………………………………………………
REGISTRATION NUMBER (if applicable)	

VAT NUMBER (if applicable)	
PLACE OF REGISTRATION (if applicable)	
COUNTRY	

Identification form Legal person

This form must be completed, signed and accompanied by a copy of the official documents (articles of association, trade register(s), extract from the publication in the official gazette or VAT registration) substantiating the information given.

Please complete the form in CAPITAL LETTERS and LATIN LETTERS.

PRIVATE/PUBLIC-LAW ENTITY WITH A LEGAL FORM

OFFICIAL NAME *As indicated on the official document.*	
COMMERCIAL NAME *(if different from official name)*	
ABBREVIATION *(if applicable)*	
LEGAL FORM	
TYPE OF ORGANISATION *(Delete as appropriate)*	- FOR PROFIT - NOT FOR PROFIT - NGO
PRINCIPAL REGISTRATION NUMBER	
SECONDARY REGISTRATION NUMBER *(if applicable)*	
PLACE OF REGISTRATION *City* *Country*	
DATE OF REGISTRATION *DD MM YYYY*	
VAT NUMBER	
ADDRESS OF REGISTERED OFFICE *Street+ P.O. Box* *Postal code* *City, Region/Province* *Country*	
TELEPHONE NUMBER	
E-MAIL	

Identification form Public actor - entity

This form must be completed, signed and accompanied by a copy of the official documents (law, resolution, trade register(s), official gazette, VAT registration etc) substantiating the information given.

Please complete the form in CAPITAL LETTERS and LATIN LETTERS.

OFFICIAL NAME *As indicated on the official document.*	
ABBREVIATION *(if applicable)*	
LEGAL FORM	
PRINCIPAL REGISTRATION NUMBER	
SECONDARY REGISTRATION NUMBER *(if applicable)*	
PLACE OF REGISTRATION *City* *Country*	
DATE OF REGISTRATION *DD MM YYYY*	
VAT NUMBER	
ADDRESS OF REGISTERED OFFICE *Street+ P.O. Box* *Postal code* *City, Region/Province* *Country*	
TELEPHONE NUMBER	
E-MAIL	

2. LIST OF SUBCONTRACTORS

I (we) declare that the share of the public contract to be subcontracted is as indicated below.

List of subcontractors planned to be engaged in the implementation of the contracts				
Name and legal form	Address / Registered office	Object of engagement	LOT in which will be engaged *(if applicable)*	Other entity within the meaning of paragraph 1er of Article 73 of the R.D. of 18 April 2017 (YES/NO)*

* In accordance with Article 73 of the Royal Decree of 18 April 2017, where an economic operator wants to rely on the capacities of other entities (particularly subcontractors or independent subsidiaries) for economic and financial capacity criteria and technical and professional aptitude criteria, it shall prove to the contracting authority that it will have at its disposal the resources necessary, for example, by producing a commitment by those entities to that effect.

2.1. Any change of subcontractor compared to those indicated in the tender submitted will be submitted for approval to the contracting authority before intervention in contract performance, in particular in order to verify that the latter has the required capacity and does not subject to a reason for exclusion (Art. 73 – the Royal Decree of 18 April 2017 on the award of public contracts in the classical sectors; Art. 12-13 – Royal Decree of 14 January 2013 establishing the general rules for the execution of public contracts).

3. TENDER FORM - PRICES

The prices for each item in the inventory are established relative to the value of these items in relation to the total value of the tender. All general and financial costs as well as the profits are distributed between the various items in proportion to their weight.

Item	Type	Unit	Quantity	Unit price	Total price	VAT
Phase 1: D0–D3 Inception, data assessment and methodology	Lump-sum price	Un	1	€	€	%
Phase 2.1: D4–D5 Conditional Phase MVP demonstration and calibration framework)	Lump-sum price	Un	1	€	€	%
Phase 2.2.: D6–D7 Conditional Phase 2: Continuation options and final handover pack)	Lump-sum price	Un	1	€	€	%
Total price VAT excluded					€	
Total price VAT included					€	

4. DECLARATION ON HONOUR - EXCLUSION GROUNDS

Hereby, I / we, acting as legal representative(s) of above-mentioned tenderer/beneficiary/partner/co-contractor declare that the tenderer is not in any of the following cases of exclusion:

** Please tick the boxes to confirm each situation*

- ☐ **The counterparty or one of its directors has not been convicted by a final judicial decision of any of the following offenses:**

  a. Participation in a criminal organization;

  b. Corruption;

  c. Fraud;

  d. Terrorist offenses, offenses linked to terrorist activities or incitement to commit such offenses, complicity, or attempt;

  e. Money laundering or terrorism financing;

  f. Child labor and other forms of trafficking in human beings;

  g. Employment of third-country nationals in illegal residence;

  h. Creation of offshore companies.

- ☐ **The counterparty fulfills its obligations related to the payment of taxes, duties, and social security contributions for an amount exceeding €3,000, unless it can demonstrate that it holds one or more certain, due, and unencumbered claims against a contracting authority for at least the amount corresponding to the overdue tax or social debt.**

- ☐ **The counterparty is not in a state of bankruptcy, liquidation, cessation of activities, judicial reorganization, has not admitted bankruptcy, is not the subject of liquidation or judicial reorganization, or any analogous situation derived from similar procedures in other national regulations.**

- ☐ **The counterparty has not committed any serious professional misconduct that questions its integrity. Serious professional misconduct particularly includes:**

  a. Breach of Enabel's policy on sexual exploitation and abuse;

  b. Breach of Enabel's policy on fraud and corruption risk management;

  c. Violation of local legislation concerning sexual harassment at work;

  d. Serious false statements or use of false documents in providing information required for exclusion checks or selection criteria, or concealing information;

  e. Evidence sufficient to conclude anti-competitive acts, agreements, or arrangements;

Regarding conflict of interest:

Please tick the applicable box

- ☐ The counterparty or its directors have no actual or potential conflict of interest, no real or potential business or family relationship, nor appear to have such, with any member of Enabel's Board, personnel, or others involved in tender preparation, selection, or contract execution.

or

- ☐ The counterparty informs Enabel of any actual, potential, or reasonably perceived conflict of interest that may affect or appear to affect impartiality in the procurement, granting, selection, or contract execution process.

  ➔ *A detailed description of any such conflicts, including nature and persons involved, will be annexed to this declaration.*

☐ **The counterparty has not committed any serious or persistent failures during the execution of a prior essential contractual obligation with another contracting authority resulting in measures, damages, or comparable sanctions.**

☐ **The counterparty attests that no restrictive measures have been taken against it related to international peace and security violations such as terrorism, human rights violations, destabilization of sovereign states, or proliferation of WMD.**

☐ **The counterparty does not appear on any sanction lists maintained by the United Nations, European Union and Belgium .**

I/we commit to promptly inform Enabel of any change in the above points, including sanctions or embargo measure adopted by the United Nations, the European Union and/or Belgium occurring after our signature of this Declaration.

Done at:		**Date:**	
By (Name of entity):		Represented by (Full name)	
Signature of authorised representative:			

5. FINANCIAL IDENTIFICATION FORM

Enabel **Financial Identification Form**

BANKING DETAILS	
ACCOUNT NAME [2]	
IBAN/ACCOUNT NUMBER[3] NIB	
CURRENCY	
BIC/SWIFT CODE	
BANK NAME	

ADDRESS OF BANK BRANCH		
STREET & NUMBER		
TOWN/CITY	POST CODE	
COUNTRY		
ACCOUNT HOLDER'S DATA AS DECLARED TO THE BANK		

ACCOUNT HOLDER		
STREET & NUMBER		
TOWN/CITY	POST CODE	
COUNTRY		
SIGNATURE OF ACCOUNT HOLDER (Obligatory)	DATE (Obligatory)	

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2 This does not refer to the type of account. The account name is usually the one of the account holder. However, the account holder may have chosen a different name to its bank account.

3 Fill in the IBAN Code (International Bank Account Number) if it exists in the country where your bank is established

6. INTEGRITY STATEMENT

Enabel **Integrity Statement**

Hereby, I / we, acting as legal representative(s) of above-mentioned tenderer, declare the following:

- Neither members of administration or employees, or any person or legal person with whom the tenderer has concluded an agreement in view of performing the public contract, may obtain or accept from a third party, for themselves of for any other person or legal person, an advantage appreciable in cash (for instance, gifts, bonuses or any other kind of benefits), directly or indirectly related to the activities of the person concerned for the account of Enabel.
- The board members, staff members or their partners have no financial or other interests in the businesses, organisations, etc. that have a direct or indirect link with Enabel (which could, for instance, bring about a conflict of interests).
- I have / we have read and understood the articles about deontology and anti-corruption included in the Tender Documents (see 1.7.), as well as *Enabel's Policy regarding sexual exploitation and abuse* of June 2019 and *Enabel's Policy regarding fraud and corruption risk management* of June 2019 and I / we declare fully endorsing and respecting these articles.

If above-mentioned public contract is awarded to the tenderer, I/we declare, moreover, agreeing with the following provisions:

- In order to avoid any impression of risk of partiality or connivance in the follow-up and control of the performance of the public contract, it is strictly forbidden to the public contractor (i.e. members of the administration and workers) to offer, directly or indirectly, gifts, meals or any other material or immaterial advantage, of whatever value, to the employees of Enabel who are concerned, directly or indirectly, by the follow-up and/or control of the performance of the public contract, regardless of their hierarchical rank.
- Any (public) contract will be terminated, once it appears that contract awarding or contract performance would have involved the obtaining or the offering of the above- mentioned advantages appreciable in cash.
- Any failure to comply with one or more of the deontological clauses will be considered as a serious professional misconduct which will lead to the exclusion of the contractor from this and other public contracts for Enabel.
- The public 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 paperwork or on site, which it considers necessary to collect evidence to support the presumption of unusual commercial expenditure.

Finally, the tenderer takes cognisance of the fact that Enabel reserves the right to lodge a complaint with the competent legal instances for all facts going against this statement and that all administrative and other costs resulting are borne by the tenderer.

Signature preceded by 'read and approved', in writing, and indication of name and function of the person signing:

Assinatura precedida da menção «lido e aprovado», por escrito, e indicação do nome e cargo da pessoa que assina:

Place, date