**Invitation to Tender**

**SUBSEA DRILL DESIGN FOR FLOATING WIND**

**Inyanga Maritime Limited**

**TEN IGM022003 IMP-MRI01-21**

# 1. About Inyanga Maritime Limited

# Inyanga Maritime Ltd is an innovative and exciting business devising, optimising, and executing offshore installation and maintenance methodologies for the exploitation of marine based renewable energies on a commercial scale with a focus on efficiency and cost reduction.

# Inyanga are leading the development of a new subsea drill technology for the installation of pin piles for offshore wind in areas where conventional drag embedment anchors are unfeasible. As of today, there is no solution available for implementation of such projects. Project success will represent a disruptive breakthrough in the sector enabling floating offshore wind projects to be deployed in a broader range of site seabed characteristics whilst remaining cost competitive. Project outputs and results will form the basis of stakeholder engagement to seek project implementation opportunities.

# 2. Background and Context

The project will see the holistic design of the subsea drill, template, grouting arrangement and offshore operations for a case study and potential future project site in the Celtic Sea region. Partnered with University of Exeter, University of Plymouth and Offshore Renewable Energy Catapult site data and design load cases will be provided to undertake conceptual through to detail design of the system. Inyanga will provide expertise in subsea engineering and offshore operations to develop a safe, simple to manage and cost-effective solution. In this respect we are seeking experienced engineering support to mutually drive the design specifically on the subsea drill, template and grouting

# 3. Tender requirements

3.1 Project Design Philosophy

The project is the product of many years of hard-earned experience performing offshore operations in the Celtic sea region and the key drivers in developing this project are:

3.1.1 Developer agnostics – develop a flexible solution able of meeting the needs of the broad and dynamic range of concepts in the floating wind sector, as to not limit applicability.

3.1.2 Offshore manageability – The need to reduce operational complexity thereby reducing costs, improving reliability, and improving availability,

3.1.3 Cost Competitive - Creating a solution for project sites necessitating pile mooring project able of providing LCoE competitive with drag embedment project sites.

3.1.4 Fast to market solution through experience – Utilise experience and lessons from relatable projects and understanding of the offshore wind sector to avoid design and operational barriers and provide fast to market solution.

3.2 The overall project is summarized as follows:

WP1- Mooring Configuration and Loads (outside the scope of this tender)

WP2- Pile Concept Design

WP3- Drill Design and Optimisation

WP4- Offshore Operations (outside the scope of this tender)

WP5- Techno-Economic Analysis (outside the scope of this tender)

3.3 The work specific to this tender is divided into 2 work packages over 3 milestones as outlined below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Task Name** | **Sub-Tasks** | **Deliverables** | **Date (2021)** |
| **Work Package 1 – Pile Concept Design** | | | |
| **Basis of design** | Analyse mooring load outputs | Basis of design documentation | 09/05-28/05 |
| Analyse Geotechnical data |
| **Pile Concept Design** | Pile design and FE Analysis | Pile design drawings and report | 28/05-31/08 |
| Rock socket Interface |
| Grouting requirements | Grout Lifting tool design drawings and report | 28/05-31/08 |
| Pile lifting and grouting tool |
| **Work Package 2 – Drill Design and Optimisation** | | | |
| **Basis of Design** | Review lessons learnt from previous experience | Basis of design documentation | 19/05-07/06 |
| Define requirements |
| **Template and Ancillaries** | Template | Template design drawings and report | 07/06-06/09 |
| Oscillator |
| Foot seabed interface |
| **Subsea Drill** | Drill requirements | Subsea Drill design drawings and report | 07/06-23/07 |

The detailed specification will be provided on receipt of a signed Non-Disclosure Agreement at Enclosure 1

4**. Budget**

The total maximum budget available for this commission is £60,000 (exc VAT) but inclusive of all expenses.

Tenders that exceed the total budget will not be considered.

The budget will be reviewed as part of the tender evaluation detailed in Section 10.

Payment will made at the rate of 1/6th of the contract value against receipt of the deliverables detailed in section 3.3.

# 5. Tender and commission timetable

The timescale of the programme is from the date of signing the contract, subject to gaining grant funding, until the 30 September 2021. The timetable for submission of the Tender, completion of the programme are set out below.

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Date ITT available on Contracts Finder | 9 February 2021 |
| Last date for raising queries | 17 February 2021 |
| Last date for clarifications to queries | 22 February 2021 |
| Deadline to return ITT | 26 February 2021 |
| Evaluation of ITT | 1 March 2021 |
| Award of Contract | This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation |
| Contract start date | 4 May 2021 |
| Contract completion | 30 September 2021 |

# 6. Tender submission requirements

Please include the following information in your Tender submission.

6.1 Covering letter (two sides of A4 maximum) to include:

1. A single point of contact for all contact between the tenderer and Inyanga Maritime Limited during the tender selection process, and for further correspondence.
2. Confirmation that the tenderer has the resources available to meet the requirements outlined in this brief and its timelines
3. Confirmation that the tenderer holds current valid Professional Indemnity insurance policy for a minimum of £2M. If successful, supporting documentation will be provided as evidence
4. Conflict of interest statement (see Section 8)

6.2 Technical Understanding

6.2.1 Designs works

Technical understanding of the project, its objectives, desired outcomes, and the level of service necessary to deliver the project. (Maximum 2 sides of A4)

A method statement showing an understanding of the site constraints and logistics to be implemented to overcome such constraints. (Maximum 2 sides of A4)

6.2.2 Project team

Proposed team members to execute the project. Role within project. CV, capability statements. (Maximum 2 sides A4 per person)

6.2.3 Previous relatable projects.

Three previous design projects, the challenge/problem/requirement and description of the successful delivery. Description of design software tools available at company and description of the experience operating these. (Maximum 1 side A4 for each example)

6.3 Operational Expertise and Experience

6.3.1 Description of two relatable experience of company/team

Provide description if any of operational experience of the company/team members. Design through to operation, relatable operational experience.

Practicality of design is paramount to ensure operational manageability and realise cost optimisation through first hand experience and insight of the challenges in a working environment which translate into successful design

(Maximum 1 side A4 for each example)

6.3.2 Understanding of the challenges

Provide a short summary of the major challenges relating to:

- Offshore floating wind sector

- Subsea drilling and grouting

- Offshore operations in general

(Maximum 1 side A4)

6.4 Budget

**7 Sub-contracting**

Tenderers should note that a consortia can submit a tender but the sub-contracting of aspects of this commission after appointment will only be allowed by prior agreement with Inyanga Maritime Limited.

**8 Conflicts of Interest**

Tenderers must provide a clear statement with regard to potential conflicts of interests. Therefore, **please confirm within your tender submission** whether, to the best of your knowledge, there is any conflict of interest between your organisation and Inyanga Maritime Limited or its programme team that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise the impartiality and independence of any party in the context of this procurement procedure.

Receipt of this statement will permit Inyanga Maritime Limited to ensure that, in the event of a conflict of interest being notified or noticed, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial panel.

# 9. Tender clarifications

Any clarification queries arising from this Invitation to Tender which may have a bearing on the offer should be raised by email to:

brw@inyanga.tech in accordance with the Tender and Commission Timetable in section 5.

Responses to clarifications will be anonymised and uploaded by Inyanga Maritime Limited to Contracts Finder and will be viewable to all tenderers.

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, contract or other tender documents or as to any other matter or thing to be done under the proposed contract shall bind Inyanga Maritime Limited unless such representation is in writing and duly signed by a Director/Partner of the tenderer. All such correspondence shall be returned with the Tender Documents and shall form part of the contract.

# 10. Tender evaluation methodology

Each Tender will be checked for completeness and compliance with all requirements of the ITT. Tenders will be evaluated to determine the most economically advantageous offer taking into consideration the award criteria.

**Tender returns will be assessed on the basis of the following tender award criteria**

|  |  |
| --- | --- |
| Ref 6.1 Covering Letter |  |
| Acceptable covering letter including confirmation of the requirements detailed at 6.1 | Pass/ Fail |
| Ref 6.2 Technical Understanding | 35 |
| 6.2.1 Designs works  Technical understanding of the project, its objectives, desired outcomes, and the level of service necessary to deliver the project.  A method statement showing an understanding of the site constraints and logistics to be implemented to overcome such constraints  6.2.2 Project team  Proposed team members to execute the project. Role within project. CV, capability statements. (Maximum 2 sides A4)  6.2.3 Previous relatable projects.  Three previous design projects, the challenge/problem/requirement and description of the successful delivery. Description of design software tools available at company and description of the experience operating these. (Maximum 1 side A4 for each example) | 6  14  15 |
| Ref 6.3 Operational Expertise and Experience | 30 |
| 6.3.1 Description of relatable experience of company/team  Description of two relatable operational experience of the company/team members. Design through to operation, relatable operational experience.  Practicality of design is paramount to ensure operational manageability and realise cost optimisation through first hand experience and insight of the challenges in a working environment which translate into successful design  6.3.2 Understanding of the challenges  Provide a short summary of the major challenges relating to:  - Offshore floating wind sector  - Subsea drilling and grouting  - Offshore operations in general | 18  12 |
| Ref 6.4 Budget | 35 |
| A **fixed fee** for this work (exc VAT) including travel and other expenses  The lowest bid will be awarded the full 35 marks. Other bids will be awarded a mark that is proportionate to the level of their bid in comparison to the lowest bid i.e. Marks awarded = 35 x lowest bid / bid |  |

11**. Assessment of the Tender**

The reviewer will award the marks depending upon their assessment of the applicant’s tender submission using the following scoring to assess the response:

|  |  |  |
| --- | --- | --- |
| **Scoring Matrix for Award Criteria** | | |
| Score | Judgement | Interpretation |
| 100% | Excellent | Exceptional demonstration of the relevant ability, understanding, experience, skills, resource and/or quality measures required to provide the goods/works/services. Full evidence provided where required to support the response. |
| 80% | Good | Above average demonstration of the relevant ability, understanding, experience, skills, resource and/or quality measures required to provide the goods/works/services. Majority evidence provided to support the response. |
| 60% | Acceptable | Demonstration of the relevant ability, understanding, experience, skills, resource and/or quality measures required to provide the goods/works/services, with some evidence to support the response. |
| 40% | Minor Reservations | Some minor reservations of the relevant ability, understanding, experience, skills, resource and/or quality measures required to provide the goods/works/services, with little or no evidence to support the response. |
| 20% | Serious Reservations | Considerable reservations of the relevant ability, understanding, experience, skills, resource and/or quality measures required to provide the goods/works/services, with little or no evidence to support the response. |
| 0% | Unacceptable | Does not comply and/or insufficient information provided to demonstrate that there is the ability, understanding, experience, skills, resource and/or quality measures required to provide the goods/works/services, with little or no evidence to support the response. |

During the tender assessment period, Inyanga Maritime Limited reserves the right to seek clarification in writing from the tenderers, to assist it in its consideration of the tender. Tenders will be evaluated to determine the most economically advantageous offer taking into consideration the award criteria weightings in the table above.

Inyanga Maritime Limited is not bound to accept the lowest price or any tender. Inyanga Maritime Limited will not reimburse any expense incurred in preparing tender responses. Any contract award will be conditional on the Contract being approved in accordance with Inyanga Maritime Limited’s internal procedures and Inyanga Maritime Limited being able to proceed.

**13. Intellectual Property**

The project is likely to involve the following intellectual property rights ("**IPR**")

13.1**Background IPR**

Any and all IPRs owned by or licensed to the Tenderer which are or have been developed independently must be clearly identified as part of your submission.

13.2   **Third Party Software**

The Tenderer may use software (including any open-source software) which is proprietary to any third party and that is either licensed to or is used by the Tenderer in the development of the project.  However, the Tenderer must detail what third party software it intends to use and shall procure the necessary licences for Inyanga Maritime Limited’s use. In the case of open source software, the Tenderer wishes to use in the project, the Tenderer must ensure that it does not include any open source software that contains a "copyleft" provision and shall include full details of the licence terms for such open source software.  Costs of any licences are required to be listed separately and the cost of Year 1 licences shall be included in your price; Year 2 and Year 3 costs must be detailed separately and shall not form part of the costs of this submission.

13.3   **Project IPR**

This is to be assigned to Inyanga Maritime Limited in accordance with the Assignment of IPR Deed at Enclosure 2

# 14. Tender returns

Please submit the Tender document by email or post or in person by 17:00 on 26 February 2021.

If submitting electronically, please send by email to [brw@inyanga.tec](mailto:brw@inyanga.tec) with the following wording in the subject box: “Tender TEN IGM022003 IMP-MRI01-21 Strictly Confidential SUBSEA DRILL DESIGN FOR FLOATING WIND”

Tenderers are advised to request an acknowledgement of receipt when submitting by email.

If submitting by post or in person, the Tender must be enclosed in a sealed envelope, only marked as follows:

“Tender TEN IGM022003 IMP-MRI01-21 Strictly Confidential SUBSEA DRILL DESIGN FOR FLOATING WIND”

Bevan Wray

Inyanga Maritime Limited

Unit 9 Jubilee Wharf

Penryn

Cornwall, UK

TR10 8FG

The envelope should not give any indication to the tenderer’s identity. Marking by the carrier will not disqualify the tender.

# 14. Disclaimer

The issue of this documentation does not commit Inyanga Maritime Limited to award any contract pursuant to the tender process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between Inyanga Maritime Limited or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Inyanga Maritime Limited and any other party (save for a formal award of contract made in writing by or on behalf of Inyanga Maritime Limited).

Tenderers must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to the tenderers by Inyanga Maritime Limited or any information contained in Inyanga Maritime Limited’s publications is supplied only for general guidance in the preparation of Inyanga Maritime Limited the tender response. Tenderers must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by Inyanga Maritime Limited for any loss or damage of whatever kind and howsoever caused arising from the use by tenderers of such information.

Inyanga Maritime Limited reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render Inyanga Maritime Limited liable for any costs or expenses incurred by tenderers during the procurement process.

# 15. Enclosures

1. NDA
2. IP Assignment Agreement