



## **Global OTEC Resources Ltd**

MARINE-I 138

INVITATION TO TENDER

**Preliminary Design of a 1MW Ocean Thermal Energy  
Conversion Module configured for Offshore Deployment**

TENDER REF: **Mechanical Engineering Services**

DATE ISSUED: 11 July 2018

## 1.0 Introduction

Global OTEC Resources Ltd specialises in the design and development of ocean thermal energy conversion technology.

The company now wishes to procure Mechanical Engineer services for a project that will potentially be part-financed by the European Regional Development Fund (ERDF) through the Marine-I Challenge Fund.

## 2.0 Project Information

**Project Title:** Preliminary Design of a 1MW Ocean Thermal Energy Conversion Module configured for Offshore Deployment

**Project Description:** This is a business-led research and development project designed to develop Ocean Thermal Electrical Conversion technology.

**Project Location:** The project will be located in Cornwall, an Article 107(3)(a) Assisted Area under the UK Assisted Areas Map established for the period 2014 to 2020 and as defined under Regulation (EU) No 1303/2013 Article 90.

## 3.0 Scope of Works

GOR wishes to procure the services of a marine sector engineering and technology company or sole trader to supply mechanical engineering expertise to the preliminary design of a novel offshore OTEC system. The mechanical engineer will provide technical support to the team throughout the development of the system. They will perform structural analyses, linear and non-linear calculations, analysis using FEA software and as per Classification Society requirements; develop mechanical equipment specifications; perform basic piping pressure drop calculations for sizing

Purposes; perform equipment layout studies; perform weight and Centre of Gravity (CoG) calculations and produce drawings and sketches on AutoCAD

The suppliers should be in an existing NDA (Non-disclosure agreement) with Global OTEC Resources Ltd. or be willing to sign an NDA and to receive confidential information.

An NDA pre-signed by Global OTEC Resources Ltd is part of the bidding documents. Bidders who are not in an NDA please sign the NDA and return to [dan.grech@otecresorts.com](mailto:dan.grech@otecresorts.com). The relevant confidential information will be supplied within the same date/or the next morning by 10:00.

The supplier must be able to demonstrate their technical experience in mechanical engineering for novel offshore components and provide evidence of 3 similar projects undertaken in the last 2 years. Please note this is a Qualifying Criteria.

The Supplier must have worked on previous R&D projects relating to OTEC systems. Please note this is a Qualifying Criteria.

The Suppliers must be prepared to work from Global OTEC Resources Ltd Cornwall Office full time for a period of six months.

The anticipated budget for the works detailed here is £25,000 £ excl. VAT

#### 4.0 Timetable

The following timetable is anticipated:

Timetable	
Brief issued	11 <sup>th</sup> July 2018
Deadline for queries	21 <sup>th</sup> July 2018
Submission deadline	25 <sup>th</sup> July 2018
Assessment of submissions	26 <sup>th</sup> July 2018
Appointment of chosen supplier	28 <sup>st</sup> July 2018
Award of Contract	This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation

#### 5.0 Conflicts of Interest

Please provide a statement with regards to a conflict of interest for this procurement through the provision of either:-

A Declaration that to your knowledge there is no conflict of interest between your company and the Global OTEC Resources Ltd 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 their impartiality and independence in the contexts of this procurement procedure.

Or

A Declaration that there is a likely conflict of interest between your company and [insert company name] 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 their impartiality and independence in the contexts of this procurement procedure, please provide details of this connection.

This will permit Global OTEC Resources Ltd, that in the event of a conflict of interest, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial party.

## **6.0 Exclusion**

Global OTEC Resources Ltd shall exclude applicants from participation in this procurement procedure where they have established or are otherwise aware that the applicant, to include administrative, management or supervisory staff that have powers of representation, decision or control of the applicants company, has been the subject of a conviction by final judgment of one of the following reasons:-

- Participation in a criminal organisation
- Corruption
- Fraud
- Terrorist offences or offences linked to terrorist activities
- Money laundering or terrorist financing
- Child labour and other forms of trafficking in human beings

## **7.0 Consortium or sub-contracting**

Where a consortium or sub-contracting approach is proposed, all information requested should be given in respect of the proposed prime contractor or consortium leader. Relevant information should also be provided in respect of consortium members or sub-contractors who will play a significant (greater than 25%) role in the delivery of the services under any ensuing Contract.

## **8.0 Tender Return Requirements**

Your application must include the following:

1. Confirmation that you the supplier are able to meet the requirements outlined in the brief above.
2. Dated your response, used our company's full postal address (albeit your submission might be by email) and included the Reference: Marine i 138-Mechanical Engineer.
3. Details of who to contact in your company in relation to this tender
4. Company registration Number and VAT number (if appropriate)
5. Complete costs with and without VAT.

## **9.0 Tender Evaluation**

Tenders will be scored on their compliance with the specification and requirements set out above: the contract will be awarded to the lowest compliant tender.

On completion of the evaluation, Global OTEC Resources Ltd will confirm their intention to award the contract, and provide feedback where requested to all

Bidders. Please note that Global OTEC Resources Ltd reserves the right to award this contract, or not.

In the event that tenders are submitted that are deemed to be abnormally low, further clarification will be sought to ensure that this does not represent a risk to the development and delivery of the project. Global OTEC Resources Ltd reserves the right to abort the procurement process.

## **10.0 Submissions**

All suppliers are to return quotes and supporting information by post or email by 5pm on 26<sup>th</sup> July 2018 to:

dan.grech@otecresorts.com

Email Submissions: All email submissions should be clearly marked **Global OTEC Resources Ltd Marine I 138 Mechanical Engineer**. Tenderers are advised to request an acknowledgement of receipt when submitting by email.

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

**Tender - Strictly Confidential – Global OTEC Resources Ltd Marine I 138 Mechanical Engineer.**

Addressed to:

Tremough Innovation Centre

Penryn,

TR109TA

The envelope should not give any indication to the Tenderer's identity. Marking by the carrier will not disqualify the tender. If delivered by hand, please obtain an official receipt at point of delivery.

## **12.0 Disclaimer**

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

Bidders must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to bidders by Global OTEC Resources Ltd or any information contained in Global OTEC Resources Ltd's publications are supplied only for general guidance in the preparation of the tender response. Bidders must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is

accepted by Global OTEC Resources Ltd for any loss or damage of whatever kind and howsoever caused arising from the use by bidders of such information.

Bidders shall be responsible for their own costs and expenses in connection with or arising out of their response. Global OTEC Resources Ltd 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 [insert company name] liable for any costs or expenses incurred by bidders during the procurement process.

### **13.0 Clarification**

There will not be any negotiations of any of the substantive terms of the Tender Documents. Only clarification queries will be answered. Any clarification queries arising from the Tender Documents which may have a bearing on the offer should be raised as soon as possible in writing. The deadline for clarification questions is 4 days before the submission date. All e-mailed queries should be sent by email to:

dan.grech@otecresorts.com

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 us unless such representation is in writing and duly signed by Shane Carr of [insert company name]. All such correspondence shall be returned with the Tender Documents and shall form part of the Contract.

Tenderers must provide a single point of contact in their organisation for all contact between the Tenderer and [insert company name].

Responses to any queries will be shared through the Contracts Finder website.