

Market orientation 'Metocean study Dutch Wind Farm Zones' for The Netherlands Enterprise Agency

The Netherlands Enterprise Agency (in Dutch: Rijksdienst voor Ondernemend Nederland, RVO.nl) encourages entrepreneurs in sustainable, agrarian, innovative and international business. It helps with grants, finding business partners, know-how and compliance with laws and regulations. The Netherlands Enterprise Agency is part of the Ministry of Economic Affairs and Climate Policy.

Background

The Netherlands Enterprise Agency has been requested to prepare and collect all site data required for commercial developers of offshore wind farms to prepare a competitive bid. As part of the future concession tender document(s), the participants will receive information packages in which detailed information on the offshore sites is included. Detailed information on the metocean conditions at the sites will be part of this information package.

Purpose of this notification

The purpose of this notification is to determine which contractors are willing and able to carry out a metocean desk study and set up, maintain and validate a web-based metocean database for Wind Farm Zones Hollandse Kust (noord), and IJmuiden Ver, Ten Noorden van de Wadden and Hollandse Kust (west).

Extent and duration

The contract will start in July 2018 and all deliverables must be delivered by the end of December 2018.

Description of the assignment

Purpose:

Provide a publically available, validated metocean database for Wind Farm Zones Hollandse Kust (noord), and IJmuiden Ver, Ten Noorden van de Wadden and Hollandse Kust (west) to inform tenderers preparing their bids.

Main objectives

1. Obtain high quality and detailed metocean conditions (a.o. wind, waves, currents and water levels) for Wind Farm Zones Hollandse Kust (noord), and IJmuiden Ver, Ten Noorden van de Wadden and Hollandse Kust (west) for the period of 1979 to at least January 2018;
2. Detailed validation of the metocean database for Wind Farm Zones Hollandse Kust (noord) with at least the in situ measured metocean data;
3. High level validation of the metocean database for Wind Farm Zones IJmuiden Ver, Ten Noorden van de Wadden and Hollandse Kust (west) with publically available data;
4. Set-up and maintain a web-based metocean database from which developers can download metocean data for at least any given location within the above mentioned wind farm zones.

Deliverables

1. Web-based metocean database providing 'raw' and processed metocean data
2. A comprehensive report containing at least:
 - a. A management summary (UK and NL);
 - b. The applied approach, detailing methodology and description of tools;
 - c. Data sources that were applied, including detailed validation of the applied sources;
 - d. General characterization of the metocean climate at Hollandse Kust (noord);
 - e. Detailed characterization of the normal metocean climate for one output location in Hollandse Kust (noord);
 - f. Detailed validation of the metocean database in Hollandse Kust (noord);
 - g. High-level characterization of the metocean climates at IJmuiden Ver, Ten noorden van de Wadden and Hollandse Kust (west);
 - h. High-level validation of the metocean climates at IJmuiden Ver, Ten noorden van de Wadden and Hollandse Kust (west);
 - i. Description of spatial variation and general uncertainties with the followed approach;
 - j. Conclusions and recommendations;
3. One day training course at RVO.nl in the Netherlands

Minimum/suitability requirements

1. Supplier should have extensive experience with metocean modelling studies on the North Sea;
2. Supplier should have experience with providing metocean data in a web-based environment;

Application

Interested consultancy firms, fitting the above mentioned requirements, are invited to respond to the Netherlands Enterprise Agency, to the attention of Liesbeth de Man of the Procurement Office by submitting a message through TenderNed or by e-mail iucezteam1@rvo.nl. Please state the name of the contact person of your company and his or her e-mail address.

You do not have to send documents; send only a response if you are interested.

Deadline

The deadline for responding to this Notification is set at **Tuesday May 1, 2018 2 hrs P.M. CEST**. Companies who have responded in time will receive a Request for Proposal.