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EXPRESSION OF INTEREST (EOI) AND PREQUALIFICATION

Deep Panuke Project Deinstallation and Transport

Issue Date: **November 26, 2019**

Closing Date: **December 10, 2019**

PACKAGE: SM106: Supply of Construction Vessel with ROV

GENERAL

Kvaerner Canada Limited (Kvaerner) hereby invites interested parties to submit an Expression of Interest (EOI) and complete the Prequalification in connection with Kvaerner's De-installation and Transport Scope of Work, or future Invitations to Tender, for the SBM Nova Scotia Contractors Ltd. Deep Panuke Project in Nova Scotia, Canada.

SCOPE OF WORK

Kvaerner is issuing this EOI to identify the availability of Construction Vessels with Work Class Remotely Operated Vehicles which may be used to support Kvaerner in a recently awarded contract for the de-installation and transport of the Deep Panuke platform. The scope of work is situated offshore Nova Scotia and scheduled to be carried out in a 3-6-week window between May and June of 2020. This scope of work involves carrying out subsea work in preparation for the de-installation activities. Subsea work may include ROV cutting and/or drilling operations and construction vessel operations shall support those activities. ROV tooling shall be deployed subsea from the vessel and supported and/or operated subsea with an ROV. The tooling may have power or hydraulic requirements from the vessel for operations or for testing and maintenance on deck.


Responses to this Expression of Interest must contain the following information:

REQUIREMENTS

EOI respondents are required to have an implemented EH&S Management System and a registered Quality Management System (complete with a current certificate issued by a recognized third party that certifies that the Quality Management System meets the requirements of the ISO 9001 or equivalent). Respondent(s) are also notified that the work carried out on the Deep Panuke de-installation and transport work scope shall comply fully with Canada-Nova Scotia Offshore Petroleum Board Regulations and all regulatory requirements.

Respondent(s) are requested to demonstrate their capabilities and experience via a formal response to this EOI. There may be some overlapping information in the responses and the respondent is required to make best efforts to clearly address the requirements below (A) as well as the questionnaire (B) in response to the EOI.

The response must completely address both **A** and **B** below:

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A: Confirmation of requirements described below.

Supply of Construction Vessel with ROV

Due to potential variation in ROV tooling required for the project, the construction vessel crane requirements may vary. During the progression of planning and prior to contract award the exact crane requirements will be determined and the appropriate specification will be used in the vessel selection process. Construction vessels with the following crane requirements are requested to be proposed:

1. Construction vessel with a subsea, active heave compensated crane - minimum 25Te capacity.
2. Construction vessel with a subsea, active heave compensated crane- minimum 100Te capacity.

In general, and in addition to the above requirements, construction vessels will have the following requirements:

- ROV System as defined below.
- DP Class 2, fully compliant and up to date with respect to class and applicable regulations;
- All equipment to be class certified as applicable and up to date;
- In compliance with all applicable IMO conventions, rules and guidelines;
- Crewed for 24-hour operations including deck crew and riggers experienced with subsea construction and ROV operations, offshore rigging and lifting operations, etc.;
- Vessel to have enough accommodation capacity to support full crew compliment as well as ROV crew, survey personnel and up to 12 project personnel – Vessel specific accommodations to be submitted;
- Vessels shall have adequate handling equipment for deck operations including winches, capstans, cranes, etc. – Vessel specific equipment to be submitted;
- Dual main propulsion units, CP propellers in fixed nozzles or independent azimuth units with bow/stern thrusters;


OPTION: Submission shall include an OPTION to provide Navigational Survey Equipment with the following functional requirements (exact system and capabilities to be submitted):

- Integrated system with multiple displays on vessel (master system, display for vessel Master, display for project crew, display for ROV crew, etc.);
- Beacons for subsea positioning and depth readings for various data points such as ROV tool (if applicable), ROV, crane wire, vessel, platform, seabed, etc.
- Recording and survey capabilities for as-found surveys, operations recording, display customization (company logos and ROV data),

Remotely Operated Vehicle(s) (ROV) options shall be provided for the vessel. A work class ROV (WROV) shall be provided, and options for a redundant ROV or observation class ROV (ObsROV) may also be provided for consideration. The ROV requirements are as followings:

WROV Requirements:

- Medium work class ROV with 150-200 HP, or WROV with 200 HP or more Crewing for 24-hour operation of ROV;

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- Less than 10 years old
- Tether Management System (TMS);
- Launch and Recovery System (LARS);
- Adequate Depth Rating;
- Environmentally friendly fluids;
- Payload and thrust capabilities to be submitted;
- Auxiliary HPU package;
- Skid mounting capability;
- Automatic depth, altitude, heading, pitch and roll functions as well as camera and lighting package;
- Spares package and standard tooling loadout (hard and soft line cutters, jettors, etc.);
- Sonar system;
- Manipulators models – 5-function left manipulator and 7-function right manipulator.

ObsROV Requirements (Option):


- Observation and/or light work capabilities;
- Less than 10 years old
- Tether Management System (TMS);
- Launch and Recovery System (LARS);
- Adequate Depth Rating;
- Environmentally friendly fluids;
- Payload and thrust capabilities to be submitted if applicable;
- Sonar system;
- Automatic depth, altitude, heading, pitch and roll functions as well as camera and lighting package;

NOTE: During the EOI process; interested Respondent's may be subjected to technical, quality and/or safety qualifications and or audits for the purposes of validating their operations and procedures.

B. A duly completed Pre-Qualification Questionnaire, attached hereto.

BENEFITS COMMITMENTS

Kvaerner is committed to providing full and fair opportunities to commercially competitive Canadian companies with first consideration given to those from Nova Scotia. At the Pre-Qualification and ITT stages, companies will be required to complete Canada/Nova Scotia Benefits questionnaires to acknowledge their willingness to comply with the Deep Panuke Benefits Plan.

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EQUAL OPPORTUNITY

Kvaerner is an equal opportunity employer and as such supports diversity in the workplace. Successful suppliers and subcontractors to Kvaerner will be required to undertake a commitment to support diversity in execution of work on the Deep Panuke Project.

RESPONSES AND SUBMISSION REQUIREMENTS

Applicant(s) must clearly identify the procurement package code assigned to this EOI in their responses. Applicants' EOI submissions must provide the complete company name and address and the names, titles and telephone numbers of two contact persons.

Participation in this EOI process, including any statements or representations, whether oral or written between Kvaerner and interested applicants, shall not create or be deemed to create, any binding legal relationship or contract.

Kvaerner may elect to generate a pre-qualified bidders list subject to the response(s) to this EOI. Kvaerner is under no obligation to proceed with an Invitation to Tender as a result of this EOI. Only those respondent(s) deemed acceptable by Kvaerner will be invited to participate, in the event tenders are solicited. Kvaerner also reserves the right to award more than a single contract resulting from an Invitation to Tender.

EXTERNAL POSTINGS

To ensure all potential supply communities are informed of upcoming opportunities Kvaerner will be posting all EOI's on bids.ca; maritimesenergy.com; and NOIA.ca. Email submissions should have the title of the email follow the below naming convention.

Please send EOIs via email to the following secure email address: DeepPanuke.Procurement@kvaerner.com

All information, correspondence and submittals must be in English and the subject line of the email must be formatted as follows: **EOI Submission - Package Number - Package Title**

If you have any questions regarding this announcement, please contact:

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 Contracts and Procurement Manager
Tanya.Oneill@kvaerner.com