

Invitation for Pre-Qualification

For Feasibility study of multiple sand control options and solutions for the highly deviated well of the "Long-term test"

(No. JMH-22-073)

Japan Methane Hydrate Operating Co., Ltd.

15 February 2023

1 OUTLINE OF THE WORK

- 1.1 Japan Methane Hydrate Operating Co., Ltd. (JMH) is a member of the MH21-S R&D consortium (MH21-S) having conducted the research and development project for the pore-filling type of methane hydrate to achieve an objective of the Japanese Government's Plan for the Development of Marine Energy and Mineral Resources under the supervision and finance of the Ministry of Economy, Trade and Industry (METI).

The scope of work is to study feasibility of each sand control method in case of the highly deviated well which the JMH planned and to consider feasibility of method using the dual channel drill pipes (DCDP) and simple BOP. The sand control options are as follows.

- Open hole gravel pack (OHGP)
- Cased hole gravel pack (CHGP)
- Frac pack (FP)
- Other effective sand control methods

Contractor shall calculate the cost for purchasing/rental equipment and installation operation on location in each sand control options.

- 1.2 Term

From Early May 2023 to 31st October 2023

- 1.3 Budget

Total budget is equal to or below JPY 10,000,000. This is NOT the contract price and is the maximum limit of the budget. The contract price shall NOT exceed the above-mentioned budget.

2 INVITATION

- 2.1 JMH invites entities which are able to provide the services outlined in Section 1 above. Entities which intend to participate are requested to submit the documents specified in Section 3 for pre-qualification by the date and time specified in Section 4.
- 2.2 JMH will invite the pre-qualified entities to submit tender proposals in March 2023.
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3 SUBMISSION FOR PRE-QUALIFICATION

- 3.1 A letter to declare intention to participate in the tender process
- 3.2 Corporate outline: a brochure and/or other explanatory documents
- 3.3 Documents to show the applicant's experiences within fifteen (15) years and abilities in the following respects:
 - (i) Experiences within offshore field in terms of sand control selection and developing equipment for sand control.
 - (ii) Experiences and technical knowledge for methane hydrate sand control.
 - (iii) Company organization and number of employees for each unit/ department to execute the same or similar scope of work.

4 CLOSING DATE AND TIME

Documents specified above in Section 3 shall be delivered to JMH via email to the address: tender.admin@jmh.co.jp, not later than 1st March 2023 15:00 hours JST.

5 REQUEST FOR CLARIFICATION

Questions and requests for clarification on this Invitation to Pre-Qualification shall be submitted in writing via email to the address: tender.admin@jmh.co.jp, not later than 22nd February 2023 15:00 hours JST.

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