

Invitation for Pre-Qualification
For Offshore Drilling Services for Methane Hydrate Research
and Development Project in 2024
(No. JMH-24-005)

Japan Methane Hydrate Operating Co., Ltd.

7th May 2024

1. INTRODUCTION

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).

JMH plans to acquire core samples of the methane hydrate layer in FY2024. Through this work, the plan is to elucidate the realistic physical properties of the strata and utilize this information to select candidate locations for future production tests. Details of the Operations are provided in Section 3 below.

This Invitation for Pre-Qualification is the invitation to participate in the first stage of tender process for selecting of a drilling contractor or contractors for FY2024 Coring Operations.

2. INVITATION

- 2.1 JMH invites entities which can provide offshore drilling services for FY2024 Coring Operations with a drill ship or drill ships having a capacity to conform with the requirements specified in Section 4 and being available in the specified time windows to participate in this pre-qualification stage.
- 2.2 Entities which intend to participate are requested to submit the documents specified in Section 5 in the manner and by the date specified in the same.
- 2.3 JMH intends to invite the pre-qualified entities to submit tender proposals for FY2024 Coring Operations as appropriate to the pre-qualification result.

3. OPERATIONS DETAILS

Well type, Name	HPTC Coring SM1-CW1	HPTC Coring SM2-CW1
Water depth	Approx. 1,450m	Approx. 1,200m
Number of well(s)	1	1
TD (below seabed)	+/- 300m	+/- 210m
Activities	Obtained a core once on the ocean floor and drilled to 1,690.0m. Then repeat 5m (2.5m x 2) coring and 10m drilling.	Obtained a core once on the ocean floor and drilled to 1,335.0m. Then repeat 5m (2.5m x 2) coring and 10m drilling
Hole size	10-5/8" to TD	10-5/8" to TD
Drilling riser & BOP	Not used	Not used
Wire Line Logging	Full Logging, MDT	
Time window and estimated operation days	January to February 2025 for approx. 38 days in total	

4. TECHNICAL REQUIREMENTS FOR DRILL SHIP

Refer to the attachment "Questionnaires to Contractor" Forms 2 and 3.

5. SUBMISSION FOR PRE-QUALIFICATION

5.1 Documents to be submitted

- (i) A letter to declare intention to participate in the tender process
- (ii) Corporate outline: a brochure and/or other explanatory documents
- (iii) Technical specification sheet for the proposed drill ship
- (iv) Answers to "Questionnaires to Contractor" forms: download and use a Excel file so named to answer. Completed forms shall be submitted in Excel format and PDF format.

JMH may request provision of further information and additional documents which it deems necessary for the pre-qualification after receipt of the above documents.

5.2 Closing Date and Time

Documents specified above in Sub-section 5.1 shall be delivered to JMH via email to the address: tender.admin@jmh.co.jp, not later than 20th May 2024 15:00 hours JST.

6. 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 15th May 2024 15:00 hours JST.

7. COST OF PARTICIPATION

Participants shall bear all costs and expenses incurred for preparation and submission of the required documents in this pre-qualification stage and tender proposals in the following tender stage.

8. ATTACHMENT

No.	Title	Pages
1	Questionnaires to Contractor (Forms 1 thru 3)	4

End of document

Questionnaires to Contractor: Form 1

CONTRACTOR'S INFORMATION

	Contractor Answers
Legal entity name	
Establishment in (Year)	
Country of establishment	
Registered address	
Contact person, name	
Contact person, mailing address (not PO box number)	
Contact person, email address	
Contact person, telephone no.	

Questionnaires to Contractor: Form 2

**MAIN FEATURES OF MODU AND CONFORMANCE WITH JMH REQUIREMENTS
(FY2024 Operations)**

	JMH Requirements	Contractor Answers
GENERAL INFORMATION		
Contractor name		
Contractor previous experience in Japan waters		
Proposed unit previous experience in Japan waters		
RIG DATA		
Unit name		
Unit owner		
Unit type	Drill ship	
Unit design		
Year of unit construction	Built later than 2000	
Upgrading info		
Rig class certification		
Unit location		
Actual unit status	Not cold stacked nor brand new	
Availability for JMH operations (specify period)	Available from Beginning of January to February, 2025	
Firm/potential contract preceding JMH operations, area of operation		
Firm/potential contract preceding JMH operations, expiry		
Firm/potential contract preceding JMH operations, option		
OPERATING PARAMETERS		
Maximum water depth capability	1,500m or more	
Minimum water depth capability		
Maximum drilling depth capability	2,000m or more	
Cruising speed		
Variable deck load, drilling and transit mode		
Crane types and capacities		
STATION KEEPING SYSTEM		
Type	Dynamic positioning system (Type 2)	
Description of main features		
DRILLING SYSTEM		
Max. static hook load		
Motion compensator system, description		
Motion compensator system, rated capacity compensated		
Motion compensator system, rated capacity locked		
MUD SYSTEM		
Mud pump, total installed		
Mud pump, make-type		
Mud pump, fluid end working pressure		
Solid control system, description		

	JMH Requirements	Contractor Answers
CEMENTING UNIT		
Make-type		
Working pressure		
Owner		
TUBULARS		
Data of drill pipes available		
HELICOPTER DECK		
Accommodable helicopters		
ACCOMODATION		
Total persons capacity		
Beds reserved to Company	Min. 50	
WIRELINE UNIT		
Wireline unit, make-type		
Wireline unit, maximum cable length		
Wireline unit, owner		
Active heave compensator, make-type		
Active heave compensator, owner		
ROV		
Vehicle, make-type		
Vehicle, owner		
Launch & recovery system, make-type		
Launch & recovery system, owner		
WIRELINE CORING		
Capability to provide wireline coring tools and coring services	Required (Core Line)	
Core laboratory facilities on board for core handling, measurement, observation, packing	Required	
OTHER REQUIREMENTS		
Rotary table opening		
Conformity with Japanese applicable laws and regulations including the Mine Safety Act	MUST	
FUEL CONSUMPTION		
Type of fuel		
Consumption in transit (KL/day)		
Consumption in operation (KL/day)		
Fuel storage capacity		

