



MAZAGON DOCK SHIPBUILDERS LIMITED

(Formerly known as Mazagon Dock Ltd.)

CIN: U35100MH1934GOI002079

(A Government of India Undertaking)

Dockyard Road, Mazgaon, Mumbai 400010. India.

Certified – ISO 9001:2008 for Shipbuilding Division

Website: www.mazagondock.in

EXPRESSION OF INTEREST (EOI)

Department : Planning Additional Project – East Yard
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EOI no. : EY/PLG/AP/EOI-DOS/01
EOI date : 30th Sep 2021
EOI closing date & time : 15th Oct 2021: 17: 00 Hrs. IST

Expression of Interest (Eoi)

Invited from Firm / Institutes for Collaboration with MDL for Design and Development of Deep Ocean Simulator



To,

Mazagon Dock Shipbuilders Limited
(Formerly known as Mazagon Dock Limited)

(A Govt. of India Undertaking)

Dockyard Road, Mazgaon, Mumbai: 400 010

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Ref. No.: EY/Plg/AP/DOS/1

Date: 30 Sep 2021

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LETTER OF INVITATION

Mazagon Dock Shipbuilders Limited (MDL) seeks response from Firms meeting the requirements of this EOI and are willing to be associated with MDL through a Collaboration for Design and Development of Deep Ocean Simulator.

The detailed terms and conditions and other definitive documents of collaboration shall be mutually agreed upon. There may be a MOU / Agreement with the selected firm for bidding and executing the Deep Ocean Simulator Project.

Mr. Girish Jadav
DGM (Services-EY)

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SECTION-1

DISCLAIMER

1. MDL, its employees and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the Eol document.
2. MDL may, in its absolute discretion, but without being under any obligation to do so, modify, amend or supplement the information in this Eol document.
3. The issue of this Eol does not imply that MDL is bound to select and shortlist any or all the participating firm. Even after selection of suitable participating firm, MDL is not bound to proceed ahead with the participating firm and in no case be responsible or liable for any commercial and consequential liabilities in any manner whatsoever.
4. The participating firm shall bear all costs associated with the preparation, technical discussion/presentation and submission of Eol. MDL shall in no case be responsible or liable for these costs regardless of the conduct or outcome of the Eol process.
5. Canvassing in any form by the participating firm or by any other agency on their behalf shall lead to disqualification of their Eol.

SECTION-2**SCHEDULE OF EOI PROCESS & CONTACT DETAILS**

A. SCHEDULE OF EOI PROCESS

The schedule of activities during the EOI Process shall be as follows -

Sl. No.	Description	Date
1	Issue of EOI document	30 th Sep 2021
2	Last date of Submission of EOI response	15 th Oct 2021, 17:00 Hrs IST

B. CONTACT DETAILS:

Submission of proposal:

Proposal may be submitted through e-mail (less than 12 MB) OR Proposal (**Original Hard copy + one soft copy CD**) super scribing the enquiry number, enquiry subject, last date for receipt of EOI and shall be addressed to

Mr. Girish Jadav,
 HOS/ Deputy General Manager, Additional Projects-P-EY
 Mazagon Dock Shipbuilders Limited, Dockyard road,
 Mumbai 400010
 E-Mail: gjadav@mazdock.com

All the correspondences shall be addressed to to Mr Girish Jadav with copy to following:

- i) Mr. Atul Kumar Verma
 Deputy General Manager (Plg-EY)
 E-Mail: atulkverma@mazdock.com
- ii) Deepak Sharma
 Chief Manager (Plg-EY)
 E-Mail: dsharma@mazdock.com
- iii) Mr. Ganesh L Fakatkar
 Deputy Manager (Plg-EY)
 E-Mail: glfakatkar@mazdock.com

SECTION – 3

DETAILS OF EXPRESSION OF INTEREST (EOI)

3.1. ABOUT MDL

Mazagon Dock Shipbuilders Limited (MDL) is a leading submarine and shipbuilding company in the country with a Miniratna Category-1. The company was taken over by the Government of India and established as a Public Sector Undertaking under the Ministry of Defence in 1960. Over the last six decades, MDL has delivered over 250 warships/submarines/ platforms to various customers in India and abroad. Out of these 30 major warships/submarines have been delivered to the Indian Navy. The diversified platforms delivered to various customers range from Destroyers, Stealth Frigates, Submarines, Missile Boats, Corvettes, Offshore Patrol Vessels, Multipurpose Support Vessels, Offshore Supply Vessels, Dredgers, Tugs and Cargo-Cum-Passenger Vessels.

3.2. Purpose of this EOI

MDL is looking for collaboration with Firms / Institute having experience of Design of Deep Ocean Simulator. If more than one eligible firms is submitting response to this EOI, further shortlisting shall be done through separate selection process to collaborate and bid for the requirement of Deep Ocean Simulator.

3.3. Proposed Technical Requirement of Deep Ocean Simulator

3.3.1. AIM

To collaborate with Firm for Design and Development of Deep Ocean Simulator.

3.3.2. The Scope of work for collaboration and specification of the required Deep Ocean Simulator is as follows:

A) Scope

Collaborating firm / institute to Design Deep Ocean Simulator and Oversee the Fabrication, Assembly, test and trial in India. System Fabrication and Assembly shall be done at MDL. Final Installation shall be done at identified client's location.

B) Specification

Deep Ocean Simulator 1

Internal Diameter 2.8 m x 3.0 m height (for Vertical installation) or Internal Diameter 3.0 m x 3.5 m length (for Horizontal installation) of 1200 bar internal pressure, quantity 1 number.

Deep Ocean Simulator 2

Internal Diameter 1.0 m x 1.5 m height (for Vertical installation) of 1500 bar internal pressure, quantity 1 number.

Note: Both systems capable of providing internal water temperature of 1 to 5 °C, in an ambient temperature up to 40 °C at the site of installation and both systems may have common system like cooling unit, pneumatic line and water reservoir.

C) Training to be provided

- i. Operation and maintenance of DOS, including trouble shooting.
- ii. Electrical/Controls/hydraulic system.
- iii. Safety and Emergency system.
- iv. Safety of equipment/human during pressure testing and qualification.
- v. Repair/Serviceing.

D) Documents to be provided

The bidder/supplier/manufacture should provide two set of documents in soft and hard copy along with the supply and not limited to the list below for both systems.

- i. Design document bringing out the details and material specification of the chamber, lids, attachments, actuators, sensors and seals.
- ii. Design calculation and Finite Element Analysis (FEA) report
- iii. Calculation of fatigue life prediction of facility.
- iv. Comprehensive drawings of all parts and assembly drawing (2D and 3D) that are supplied.
- v. Facility layout drawing, hydraulic circuit drawing, pneumatic circuit drawing, pressure line drawing, electric circuit drawing & control circuit drawing.
- vi. Stress-strain measurement values at critical points during pressure testing (working, design, design pressure and test pressure as per standard).
- vii. Test & Certificate Reports (material chemical and mechanical properties, forging heat number, heat treatment, NDT (X-ray/Ultrasound), manufacturing/fabrication process).
- viii. Third party inspection reports.
- ix. Operations manual including alarms and trouble-shooting.
- x. Maintenance & repair manual.
- xi. Bill of materials and spare parts catalogue.
- xii. Controller software copy.

E) Delivery Period: To be delivered and commissioned at client's location within 18 months from the date of signing of the contract.

F) Warranty: The Deep Ocean Simulator (DOS) should be having a warranty for 12 months from the date of commissioning and acceptance by client.

G) Spare parts

- i. Recommended maintenance tools and spares/repair kit as required for the DOS system to be supplied, for at least three (03) years of trouble-free operation.
- ii. The required items to be assessed and provided by the bidder.
- iii. The list of items to be supplied as spares shall be provided along with technical bid.

3.4. INSTRUCTIONS

- 3.4.1.** Language: All correspondences and documents related to the Eol response shall be in English language only.
- 3.4.2.** The participating firm shall abide by the terms & conditions, as applicable, of the Eol.
- 3.4.3.** All pages of the Eol shall be duly signed by the authorised signatory.
- 3.4.4.** Multiple proposals from the same participating firm should not be submitted.
- 3.4.5.** MDL at their discretion shall inspect the participating firm works/office/reference site premises for the purpose of evaluation, as deemed necessary before selection of partner. MDL decision in this regard shall be final.
- 3.4.6.** Any participating firm which has been debarred/blacklisted by Central/State Governments or by any entity controlled by Central/State Governments from participating in any of their project, as on date of submission of Eol, shall not be eligible to submit the Eol.

3.5. PROCESS TO BE CONFIDENTIAL:

Information relating to the examination, clarification, evaluation and comparison of Eol and recommendations shall not be disclosed to participating firm. Any effort by participating firm to influence MDL processing of Eol or selection decisions may result in the rejection of the Eol.

3.6. MISCELLANEOUS:

3.6.1. Right to accept or reject any or all Applications:

- i. Notwithstanding anything contained in this Eol, MDL reserves the right to accept or reject any application and to annul the Eol process and reject all applications, at any time without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reasons, thereof. In the event that MDL rejects or annuls all the applications, it may at its discretion, invite all eligible participating firms to submit fresh applications.
- ii. MDL reserves the right to disqualify any applicant during or after completion of Eol process, if it is found there was a material misrepresentation by any such applicant or the applicant fails to provide within the specified time, supplemental information sought by MDL.
- iii. MDL reserves the right to verify all statements, information and documents submitted by the applicant in response to the Eol. Any such verification or lack of such verification by MDL shall not relieve the applicant of his obligations or liabilities hereunder nor will it affect any rights of MDL.

3.6.2. Governing Laws & Jurisdiction:

The Eol process shall be governed by, and construed in accordance with, the laws of India and the Courts at Mumbai (India) shall have exclusive jurisdiction over all disputes arising under, pursuant to and / or in connection with the Eol process.

SECTION- 4

PRE-QUALIFICATION CRITERIA

The determination of eligibility will take into account the technical and experience capabilities and past performance of the participating firm; it will be based upon an examination of documentary evidence of the participating firm qualifications submitted by the participating firm as well as such other information, as the MDL deems necessary and appropriate. The participating firm willing to associate with MDL should meet the following Pre-Qualification Criteria:

4.1. Technical Qualification: -

- i. **Pre-qualification: Institution/Bidder/supplier/manufacturer/consortium of Firms should have experience of having designed/manufactured/integrated and/or supplied similar Hyperbaric Test Facility/Deep Ocean Simulator of minimum inner diameter 1.5 m and inner length of 3.0 m and a minimum operating pressure of 900 bar, at least once over the last 15 years. Proof of execution/supply and attested copies of work completion /testimonials for past clients etc., need to be enclosed.** Actual photographs and technical details of deep ocean simulator project executed to be attached.
- ii. Organization Profile.
- iii. Details and personnel (Project Management Team) with designation, qualification and experience to determine their capabilities.
- iv. List of Projects executed other than deep ocean simulator exhibiting the capability of the organization.
- v. Undertaking from firm that
 - a) The bidder shall be willing to sign Consortium / Agreement / MOU / JV with MDL to work in collaboration for executing future projects as per client's requirements.
 - b) Designer / OEM should be willing to support for indigenisation of equipment/parts of Deep Ocean Simulator.

4.2. Commercial Qualification: - The bidder shall submit the following as a part of commercial qualification.

- i. Undertaking from firm that they are not be under a declaration of ineligibility /blacklisting issued by Govt. of India / State govt. / Public Sector Undertakings etc.
- ii. **Indian Bidder:**
 - a. Shop & Establishment registration certificate.
 - b. Certificate of Incorporation / Partnership deed as applicable.

- c. Registration certificate from local bodies for conducting business.
- d. MSME, Startup certificate
- e. GST certificate

iii. **Foreign Bidder:** Registration certificates for conducting business as relevant issued by respective Govt.

In case of Indian Representative, foreign firm to submit authorization letter signed by both the parties.

4.3. **Financial Qualification: -**

- i. Shall have Avg Annual turnover of Rs. 1 cr (min) or equivalent Foreign currency during the last three years ending as on 31 Mar 2020 to participate in this EOI.
- ii. The Bidder shall enclose with its Proposal as per **Annexure-1**, certificate issued by Chartered Accountant with their seal and signature, stating the firms net worth & turnover during the past three years. Firm to submit financial documents for last 3 years.

SECTION- 5

Bid Rejection Criteria: - MDL may at its sole discretion and at any time during the evaluation of proposal, disqualify any bidder, if they have:

- a) Bids received after due date.
- b) Bidder's failure to furnish sufficient or complete details for evaluation of the bids within the given period.
- c) Incomplete / misleading / false / ambiguous in the proof of eligibility requirements.
- d) Failed to produce timely clarifications related thereto, when sought.
- e) Bids not meeting qualification criteria mentioned above.
- f) Submitted more than one proposal for single specialisation area.
- g) Declared ineligible by the Government of India / State govt. / Public sector undertaking.
- h) Bids with technical requirements and or terms not acceptable to MDL.
- i) Information relating to the evaluation, clarification and recommendation for pre- qualification shall not be disclosed to bidders or any other persons not officially concerned with such process until the pre-qualification process is completed. Any effort by the bidder to influence MDL prequalification process may result in rejection of his EOI.

SECTION- 6

Budgetary Quote:

- a) Firm to submit budgetary quote or a ball park figure of constructing Deep Ocean Simulator in their respective country as per specification mentioned at para 3.3 above
- b) Firm to submit budgetary quote for design service and technical support service requested in this EOI.

SECTION- 7

Documents to be submitted along with Eoi*

Submission of Eoi: - List of documents to be submitted as part of Eoi:

Participating firm should submit following documents along with their Proposal.

Sl.	Document Description	Filled in Formats to be Submitted with Proposal	Remarks
1.	Covering Letter		As per format attached
2.	General information	Annexure-1	
3.	Financial Information	Annexure-2	
4.	Pre-Qualification Document		As per Section-3
5.	Budgetary Quote of Deep Ocean Simulator		As per Section-6

*In case of consortium, same to be provided for constituent companies of consortium.

SECTION- 8

Presentation & Discussion: After receipt of response to this EOI, eligible firms may be requested for presentation and discussion on short notice.

Eoi FORMS

Format for Covering Letter
[On the Letterhead of the Participating firm]

To,

Mr. Girish Jadav,
HOS/ Deputy General Manager, Additional Projects-P-EY
Mazagon Dock Shipbuilders Limited, Dockyard road,
Mumbai 400010
E-Mail: gjadav@mazdock.com
Contact No- 022-23763612, 23763596

Ref: Submission of Expression of Interest (Eoi) for Design of Deep Ocean Simulator

Sir,

Being duly authorized to represent and act on behalf of..... (Hereinafter Referred to as “the Applicant”), and having reviewed and fully understood the evaluation criteria and information provided, the undersigned hereby applies in response to the Eoi document.

We would like to associate with MDL for Design and Development of Deep Ocean Simulator.

We understand that you are not bound to accept the Eoi.

I am enclosing the Expression of Interest with the details as per the requirements of the Eoi document, for your evaluation.

I hereby declare that the details furnished in this Eoi proposal are true and correct to the best of my knowledge and belief. In case any of the information is found to be false or untrue or misleading or misrepresenting, I am aware that I will be held liable for it and MDL is free to take any legal / commercial action not limited to barring / blacklisting.

We hereby declare that

- a) We are not under a declaration of ineligibility / blacklisting /debaring from doing business issued by Govt. of India / State govt. / Public Sector Undertakings etc.
- b) We fulfil the technical eligibility as mentioned at para 4 above.
- c) We are capable of designing deep ocean simulator as per specification mentioned at para 3.3 of EOI.
- d) We are willing to sign Consortium / Agreement / MOU / JV with MDL to work in collaboration for bidding and executing future projects as per potential client’s requirements.

- e) We are willing to support MDL for indigenisation of equipment/parts/systems of Deep Ocean Simulator.

Yours faithfully,

(Signature & Seal of Authorised Signatory)

Name:

Designation:

Date:

Address:

General Information to be submitted by Applicant along with cover letter

1. Name of the Company/ Companies (if consortium):
2. Legal status of the Company(ies):
3. Brief description of the Company(ies) including details of its business groups/subsidiaries/ affiliates:
4. Date of Incorporation:
5. Date of Commencement of Business:
6. Full address including Telephone nos. / Fax nos.:
Registered Office:
Head Office:
Address for communication:
Contact Details:
7. Representative in India, if any:
8. Contact details of Indian representative:
9. Documents enclosed:
 - a. As per pre-qualification criteria

Signature & Seal: Authorised
Signatory of the Party

Financial Information

Date: [insert day, month, year]

Legal Name: [insert full name]

Financial Data

Sl. No.	Last three Financial Year	Annual Turnover	Profit after Tax (PAT)	Net worth as at the end of the financial year
1				
2				
3				

2. Financial documents[#]

The participating firm shall provide copies of the financial statements including balance sheets all notes and related income statements for last 3 years.

The financial statements shall:

- Reflect the financial situation of the participating firm submitting EoI.
- Be audited by a certified accountant.
- Be complete, including all notes to the financial statements.
- Correspond to accounting periods already completed and audited (no statements for partial periods shall be accepted).

[#]In case of consortium, same to be provided for constituent companies of the consortium.

(Signature & Seal)
Authorised Signatory of the Party

Certificate from Chartered Accountant:

This is to certify that _____ (name of the Applicant) has received the payments shown above against the respective years and that the net worth is as computed.

Name of the Authorized Signatory representing Auditing firm:

Designation:

Name of firm (Chartered Accountant):

Signature of the Authorized Signatory:

Seal of Audit firm.