

**Invitation For**

**EXPRESSION OF INTEREST**

**FOR DESIGN, DEVELOPMENT AND SUPPLY OF**

**DOPPLER WEATHER RADAR (MDWR) FOR**

**MOORED FLOATING PLATFORM**

**FOR DEEP SEA LOCATION**



**NATIONAL INSTITUTE OF OCEAN TECHNOLOGY**  
**VELACHERY-TAMBARAM MAIN ROAD, NARAYANAPURAM**  
**CHENNAI 600 100**

Notice No. 01/MM/MDWR/01/2025

# **EXPRESSION OF INTEREST**

## **FOR DESIGN, DEVELOPMENT AND SUPPLY OF DOPPLER WEATHER RADAR (MDWR) FOR MOORED FLOATING PLATFORM FOR DEEP SEA LOCATION**

The National Institute of Ocean Technology (NIOT) under Ministry of Earth Sciences, Government of India, invites Expression of Interest (EOI) from eligible Indian vendors for the design, development and supply of low power, compact and marine graded Doppler Weather Radar (DWR) suitable for deployment on moored floating platforms under the Mission Mausam Scheme.

**An online meeting** will be arranged with interested vendors, meeting the eligibility criteria to provide clarifications on the requirements. The Meeting date/time/link will be shared to the participating qualified vendor. NIOT reserves the privilege of fine tuning its requirements after this interaction or otherwise unbiased resulting to a detailed Request For Proposal (RFP) / Notice Inviting Tender (NIT) through CPP portal for submission of technical and financial proposals.

### **Aim and Objective:**

The primary objective is to develop and establish a Moored Buoy-based Doppler Weather Radar (MDWR) network in the Bay of Bengal and Arabian Sea to provide real-time Doppler Weather Radar (DWR) observations from deep-sea locations. These observations will be utilized in Numerical Weather Prediction (NWP) models to enhance weather forecasting accuracy and facilitate atmospheric studies in real-time.

### **The Project & Broad Scope of Work of the Contractor:**

To design, develop and supply of low power, compact and marine graded Doppler Weather Radar (DWR) suitable for deployment on moored floating platforms

### **Scope of NIOT in the Project:**

NIOT would provide the baseline design and assist in obtaining local clearances required at all stages up to installation and commissioning.

### **Selection of the Contractor:**

This EOI calls for firms to submit Expressions of Interest and which will be evaluated through a Select Committee to shortlist the firms meeting the eligibility criteria set down in this document.

Short listed firms will have the full opportunity to interact extensively with the TFEC Committee to understand the various aspects of the project and be briefed about the considerable design work already done by the Group. Sufficient time will be given to the firms to interact with NIOT team to make a reasonably detailed document to assess the requirement of the project. The

qualified firms will then be asked to submit a detailed technical proposal. NIOT welcomes technical as well as financial inputs from potential firms.

### **Timeline for Completion:**

Timeline for the project completion is **18 Months** from the date of award of the contract to the successful bidder.

### **Eligibility Criteria for Short Listing of EOIs:**

The minimum eligibility criteria for participation are as follows: -

1. The entity must be a company registered in India under applicable Acts and Laws.
2. The entity must have capability in design, development, testing and installation of Doppler Weather Radar (DWR) with successful suppliers made to commercial organization or government bodies.
3. The entity must have an assembly and test facilities for DWR at its premises.
4. The entity must have prior experience in similar kind of works, turnover as well as human resources.

### **Financial**

- a) The average annual financial turnover of “The Bidder” during the last three years, ending on 31.03.2025 “The Relevant Date”, should be at least INR 7.20 Crores as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India.
- b) The net worth of the Bidder firm (Manufacture or principal authorized representative) should not be negative on “The Relevant Date” and also should not have eroded by more than 30% (Thirty Percent) in last three years, ending 31.03.2025.

### **Documents to be submitted:**

Vendor responding to this EOI shall submit the following documents:

1. Document supporting to Eligibility Criteria at Sl. No 1 & 4.
2. Work Completion Certificates from relevant commercial organization or government agencies.
3. Sl. No 2 & 3 will be presented during an online virtual meeting. Detailed document pertaining to this and other relevant capabilities connected to the present requirements of NIOT have to be shared after the meeting if found necessary.

### **Project Briefing Meeting**

A Project Briefing Meeting will be held at 11.00 hours on 14.11.2025 through Webex (online meeting). Interested firms who wish to attend send an email to [hvt@niot.res.in](mailto:hvt@niot.res.in) and address to

Assistant Manager (Stores & Purchase) for confirming their participation. Prospective firms can also contact NIOT for any clarification regarding the EOI document.

### **EOI Documents:**

EOI shall contain the following documents:

1. Company Profile(s) including Organizational structure with details of ownership and evidence of incorporation
2. Evidence of financial capability, including annual audited accounts for the past three (03) years ending March 31, 2025. Certificate from Chartered Accountant for the Net worth Criteria.
3. Documentary evidences for all the technical and financial capabilities listed in eligibility criteria
4. Detailed information on key technical personnel on role of the firms with their qualification and experience related to this project.
5. Legally enforceable document on the consortium, if applicable.
7. Project Methodology statement with timelines (including design basis report).
8. Suggestions, if any, that can be considered for the project.

NIOT reserves the right to additionally seek further clarifications / documents from participating firms if necessary. NIOT also reserves all rights to reject any or all EOI's without assigning any reason.

### **Submission of EOI**

EOI should be submitted in a sealed envelope clearly marked "EOI for Procurement of Doppler Weather Radars (MDWR) for Moored Floating Platforms at Deep Sea Location" to:

**Director,**

**National Institute of Ocean Technology,**

**NIOT Campus,**

**Velachery-Tambaram Main Road,**

**Pallikaranai, Chennai – 600100, INDIA.**

**Last date of submission is dd.mm.yyyy**

**Note:**

1. All the submitted profiles will be scrutinized on the basis of documents and information furnished by company/industry along with the prescribed form as per Form 1-4. NIOT may

obtain clarifications wherever required from the company or from the referred client list in the profile. Based upon the scrutiny, offers of those companies/industries that fulfill the pre qualification criteria and other conditions as stated above would be short-listed.

2. The EOI is intended solely for the purpose of fine-tuning the requirements. The Notice Inviting Tender (NIT) for all the above-mentioned items will subsequently be issued through the CPP portal for submission of technical and financial proposals.
3. A contract will be forming part of tender document to be signed by successful bidders.

**1. PROFORMA FOR SUBMISSION OF PROFILE ABOUT THE BIDDER****1.1 Particulars of Applicant Company**

|                                 |                |  |                                                                       |  |        |              |                 |  |  |  |
|---------------------------------|----------------|--|-----------------------------------------------------------------------|--|--------|--------------|-----------------|--|--|--|
| Name of the Company             |                |  |                                                                       |  |        |              |                 |  |  |  |
| Registration No.                |                |  |                                                                       |  |        |              |                 |  |  |  |
| Address                         |                |  |                                                                       |  |        |              | STD Code        |  |  |  |
|                                 |                |  |                                                                       |  |        |              | Tel.No.1        |  |  |  |
|                                 |                |  |                                                                       |  |        |              | Tel.No.2        |  |  |  |
|                                 |                |  |                                                                       |  |        |              | Fax No.         |  |  |  |
|                                 | City           |  |                                                                       |  |        | Pin          |                 |  |  |  |
| State                           |                |  | e-Mail*                                                               |  |        | Web Address: |                 |  |  |  |
| Type of company (specify Y/N)   | Government     |  | Public Undertaking                                                    |  | Sector |              | Private Limited |  |  |  |
|                                 | Contractorship |  | Public Limited                                                        |  |        |              | Proprietorship  |  |  |  |
| Nature of Company (specify Y/N) | Parent Company |  | Affiliate company (if yes, Parent company needs to furnish guarantee) |  |        |              |                 |  |  |  |

**1.2 Location of Offices in India**

| S No. | Name of Head | Address   | Numbers  |
|-------|--------------|-----------|----------|
| 1.    |              |           | STD Code |
|       |              |           | Tel No.  |
|       |              |           | Fax No.  |
|       |              | City:     | Mobile   |
|       |              | Pin Code: | E-mail   |
| 2.    |              |           | STD Code |
|       |              |           | Tel. No. |
|       |              |           | Fax No.  |
|       |              | City:     | Mobile   |
|       |              | Pin Code: | E-mail   |
| 3.    |              |           | STD Code |
|       |              |           | Tel. No. |
|       |              |           | Fax No.  |
|       |              | City:     | Mobile   |
|       |              | Pin Code: | E-mail   |

### 1.3 Particulars of Contact Persons

| S No. | Name and Designation | Address   | Numbers  |  |
|-------|----------------------|-----------|----------|--|
| 1.    |                      |           | Tel No.  |  |
|       |                      |           | Fax No.  |  |
|       |                      | City:     | Mobile   |  |
|       |                      | Pin Code: | e-Mail   |  |
| 2.    |                      |           | STD Code |  |
|       |                      |           | Tel No.  |  |
|       |                      |           | Fax No.  |  |
|       |                      | City:     | Mobile   |  |
|       |                      | Pin Code: | e-Mail   |  |

## 2. Bidder's Experience in relevant areas of expertise.

| S No | Description                                                                                                                                          | Details                                                            |                               |                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------|------------------------------------|
| 1.   | Name of the Project                                                                                                                                  |                                                                    |                               |                                    |
| 2.   | Type of the project                                                                                                                                  |                                                                    |                               |                                    |
| 3.   | Basis of the work                                                                                                                                    | Individual/Consortium/Joint Venture                                |                               |                                    |
| 4.   | Description of the work                                                                                                                              |                                                                    |                               |                                    |
| 5.   | Details of the Single Contract:                                                                                                                      |                                                                    |                               |                                    |
|      | a. awarded                                                                                                                                           |                                                                    |                               |                                    |
|      | b. Final Executed                                                                                                                                    |                                                                    |                               |                                    |
|      | c. Exchange Rate Considered                                                                                                                          |                                                                    |                               |                                    |
| 6.   | Name of the OWNER: details with name of Contact Person, Postal Address, Phone No., Fax, Email                                                        |                                                                    |                               |                                    |
| 7.   | Name of the design consultant for the project(if any):Details with name of Contact Person, Postal Address, Phone No., Fax, Email                     |                                                                    |                               |                                    |
| 8.   | Project Status                                                                                                                                       |                                                                    |                               |                                    |
|      | Starting Date                                                                                                                                        |                                                                    |                               |                                    |
|      | Actual Completion Date                                                                                                                               |                                                                    |                               |                                    |
|      | Delays in Months, if any                                                                                                                             |                                                                    |                               |                                    |
|      | Reasons for Delays, if any                                                                                                                           |                                                                    |                               |                                    |
| 9.   | Scope and Value of Work executed by the Bidder's Organization for the individual items                                                               | <b>Work details</b>                                                | <b>Whether executed (Y/N)</b> | <b>If yes, Value in Rs. Crores</b> |
|      |                                                                                                                                                      | Residual Process Design                                            |                               |                                    |
|      |                                                                                                                                                      | Detailed Engineering                                               |                               |                                    |
|      |                                                                                                                                                      | Project Management                                                 |                               |                                    |
|      |                                                                                                                                                      | Procurement Services                                               |                               |                                    |
|      |                                                                                                                                                      | Procurement, including supply                                      |                               |                                    |
|      |                                                                                                                                                      | Construction:(Civil)(Structural)                                   |                               |                                    |
|      |                                                                                                                                                      | Construction Supervision                                           |                               |                                    |
|      |                                                                                                                                                      | Marine or Offshore Installation/ Erection/Deployment/ Construction |                               |                                    |
|      |                                                                                                                                                      | QA/QC                                                              |                               |                                    |
|      |                                                                                                                                                      | Pre-commissioning& Commissioning                                   |                               |                                    |
|      |                                                                                                                                                      | Supervision of Commissioning                                       |                               |                                    |
| 10.  | Description of the project/projects (Separate sheets may be attached explaining the experience in various projects that involved similar components) |                                                                    |                               |                                    |

**3. Financial Details**

A. Audited Balance Sheets and Profit and loss Statements for the last 3years:

B. Details of the Bankers:

Main Bankers:

Name:Address:Phone/Fax:

Note: Interested parties should submit all back up documents such as fresh solvency certificate, complete audited reports, etc for the preceding three financial years:

| <b>4.2List of Enclosures and Any other Information that the bidder wishes to submit</b> |  |
|-----------------------------------------------------------------------------------------|--|
| (i)                                                                                     |  |
| (ii)                                                                                    |  |
| (iii)                                                                                   |  |
| (iv)                                                                                    |  |
| (v)                                                                                     |  |

**Undertaking**

This is to certify that I have gone through all the pages of the document. The applicant firm/ company understands and undertakes to abide by all the terms & conditions. Mere submission of profile does not confer any right on the firm to get the order and that the process enables short listing of firm meeting the project requirement of NIOT. It is further certified that the information furnished in the tender is true and correct. In any discrepancy is found later my tender is liable to be rejected.

Date:

Signatures:

Place:

Name:

Seal

Designation:

**4. CERTIFICATE OF RECOMMENDATION**

(To be filled by the Client Organization)

| S.No. | Details                                                                                                                                                                                                                                                                               |                                  |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1.    | Name and address of the organization                                                                                                                                                                                                                                                  |                                  |
| 2.    | Contact Person name and contact no                                                                                                                                                                                                                                                    |                                  |
| 3.    | Purchase or work order no and Date                                                                                                                                                                                                                                                    |                                  |
| 4.    | Works completed                                                                                                                                                                                                                                                                       |                                  |
| 5.    | Performance of contractor                                                                                                                                                                                                                                                             | Average      Good      Excellent |
| 6.    | a) No. of projects executed (between Rs.____And Rs.____crores)<br><b>Title of the Project/Order      Co./Sponsor      Total Order value</b><br><br>b) No. of projects executed (more than Rs.____crores)<br><b>Title of the Project/Order      Co./Sponsor      Total Order value</b> |                                  |
| 7.    | Timely completion of the project<br><b>Title of the Project/Order Scheduled Completion      Time over run (months)</b><br><b>Date</b>                                                                                                                                                 |                                  |
| 8.    | Any other information that Applicant Company wants to give                                                                                                                                                                                                                            |                                  |
| 9.    | Authorized Signatory with date                                                                                                                                                                                                                                                        |                                  |

Name:

Designation:

Seal: