

**DREDGING CORPORATION OF INDIA LTD**  
**Visakhapatnam**

**Expression of Interest (EOI) for Supply and Installation Non-  
Radioactive Production measuring system-Production Calculator in Dredgers**

**Contact no. 0891-2871291**  
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**JAN'2026**

**Reference no.: EoI/DCIL/2025/2**

## Invitation of Expression of Interest (Eoi)

Dredging Corporation of India Ltd.

Visakhapatnam

Tel: 0891-2871291

### **Expression of Interest (EOI) for Supply and Installation Non-Radioactive Production measuring system-Production Calculator in Dredgers**

Eoi reference no.: Eoi/DCIL/2025-26/02

Dredging Corporation of India Ltd. invites Expression of Interests (EOIs) from prospective bidders ('Bidders') for Supply and Installation of Non-Radioactive Production measuring system-Production Calculator in Dredgers in DCI Dredgers located in various locations in India. The Successful Bidder will carry out the scope of work in accordance with the specifications provided in a detailed Request for Proposal (RFP) document which shall be brought out by the Purchaser, subsequently.

Interested Bidders are requested to submit their proposals along with the necessary documents as indicated in the EOI document. This document can be downloaded from <https://dredge-india.com/> as well as the e-procure portal <http://eprocure.gov.in> from 02-02-2026 by 15:00 hrs onwards.

The Expression of Interest shall be submitted on or before 04/03/2026 by 15:00 hrs only on the e-procure portal i.e. <http://eprocure.gov.in>

HOD(Material)  
DCIL, Visakhapatnam

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## 1. Abbreviations& Definitions:

Unless the context otherwise requires, the following terms whenever used in this EoI,RFP and contract will have the following meanings:

### Abbreviations

S. No	Abbreviations	Full Form
1.	API	Application Programming Interface
2.	CA	Chartered Accountant
3.	EMD	Earnest Money Deposit
4.	EoI	Expression of Interest
5.	FY	Financial Year
6.	Gol	Government of India
7.	GSTN	Goods and Service Tax Number
8.	IA	Implementing Agency
9.	ICCC	Integrated Command and Control Center
10.	INR	Indian National Rupees
11.	NO	Nodal Officer
12.	O&M	Operation and Maintenance
13.	PAN	Permanent Account Number
14.	PBG	Performance Bank Guarantee
15.	PSU	Public Sector Undertaking
17.	PSU	Public Sector Undertaking
16	RFP	Request for Proposal
17.	SLA	Service Level Agreement
18.	TAT	Turn Around Time

**Definitions:**

S. No	Acronym	Definitions
1.	Authority	HOD(Material) Dredging Corporation of India Ltd.
2.	Authorized Representative	This means any person authorized by either of the Parties i.e. Bidder and Purchaser.
3.	Bidder/ Applicant	An individual/company that submits an Eol, while competing with others, for providing services with respect to specific requirements as defined in this Eol Document.
4.	Central/ State Government Organization	Centre or State Government, Centre/State run PSUs, Statutory bodies or co-operative societies.
5.	Day	Any day including Saturday or Sunday or a public holiday
6.	Designated Authority/ Technical Evaluation Committee	Departmental Official/ Committee who will approve all the deliverables submitted by the bidder as per the criteria defined in the Eol document.
7.	Eol (Expression of Interest)	This means this complete document and its annexure and any other documents provided to assess potential bidders/ agencies who can help Purchaser with the ability, skill and knowledge in respect to the for Supply & Installation of Non-Radioactive Production measuring system- Production Calculator in Dredgers located at various locations in India.
8.	Parties	This means Purchaser and Bidder, collectively
9.	Party	This means Purchaser or Bidder individually
10.	Purchaser	Dredging Corporation of India Ltd., Visakhapatnam
11.	Successful Project	Project for which work order and completion certificate of the work is available with the bidder
12.	Week	Designated time frame consisting of all seven days including any Public Holiday, Saturday and Sunday.

## 2. Disclaimer

This Expression of Interest (Eol) contains brief information about the Project and will assist Purchaser to formulate the RFP for Supply & Installation of Non-Radioactive Production measuring system-Production Calculator in Dredgers in DCI Dredgers. This Eol is not an agreement or an offer by the Purchaser to the Applicants/ bidders or any other person.

This EOI is one of the steps in the process of selection of an Implementing Agency/ Successful bidder for Supply & Installation of Non-Radioactive Production measuring system-Production Calculator in Dredgers in DCI Dredgers by utilizing appropriate methodologies/technologies. The purpose of the document is to provide the Applicants/ Bidders with information to assist them in formulation of their Eol application or response to Eol Document ("the Application").

The information provided in this Eol Document, to the Applicants is on a wide range of matters, some of which depends upon interpretation of law. The Applicants may conduct their own independent assessment, site visit, investigations and analysis and check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their Eol application.

Purchaser or any of its employees or advisors / representatives shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the Eol Document. Purchaser reserves the right to change any or all conditions/ information set in this Eol Document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as the Purchaser may deem fit without assigning any reason thereof.

Purchaser will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the Eol applications to be submitted in terms of this Eol Document.

The information contained in this Eol Document or subsequently provided to the prospective Applicants/ Bidders, whether verbally or in documentary or any other form by or on behalf of Purchaser or any of its employees or advisors, shall be considered confidential and is not to be reproduced/ adopted/ displayed for any purpose whatsoever.

This Eol Document is for informative purpose only and does not imply that Purchaser is bound to select or short list pre-qualified applications for the RFP stage or to appoint the Applicant/ Bidder for the Project as the case may be and Purchaser further reserves its absolute right and discretion to terminate the process at any time without assigning any reasons or explanations thereof.

### 3. Document Control Sheet

Expected timelines are defined in the table below:

SI No.	Particulars	Timeline
1.	Eol inviting Authority	Dredging Corporation of India Ltd.
2.	Document reference number	Eol/ DCIL/2025/2
3.	Name of the Work	Expression of Interest (Eol) for Supply & Installation of Non-Radioactive Production measuring system- Production Calculator in DCI Dredgers.
4.	Cost of Eol document and mode of payment	Nil
5.	Date & time for the start of sale of Eol document on the e-tendering portal <a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>	02/02/2026 15:00 hrs onwards
6.	Last date and time for submission of Eol proposal on the e-tendering portal <a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>	04/03/2026 15:00 hrs
7.	Date, Time and Venue for opening of bids and Presentation	Date & Time: 04/03/2026 15:30 hrs <b>Venue:</b> Dredging Corporation of India Ltd., "Dredge House" H.B. Colony Main Road, MMTC Colony, Visakhapatnam – 530022, Andhra Pradesh, INDIA. <b>Note:</b> Bidders may also join the meeting through VC link. The presentation date and link will be Intimated separately.
8.	Website for Eol reference	<a href="https://dredge-india.com/">https://dredge-india.com/</a> and <a href="https://eprocure.gov.in">https://eprocure.gov.in</a>
9.	Key Contact details/ Nodal Officer	Key Contact Persons – HOD(Matls.) & JM(Matls.)

		<p>Shri. B. Durga Prasad  Designation: HOD(MATLS.)  Contact No – 7893345554  Email – <a href="mailto:durgaprasad@dcil.co.in">durgaprasad@dcil.co.in</a></p> <p>Smt. G. Bharathi  Designation – JM(Materials)  Email Id –<a href="mailto:bharathi@dcil.co.in">bharathi@dcil.co.in</a>  Contact no – 9885382321</p>
10	Release of corrigendum (if required) on the e-procure portal <a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>	Any time before opening of the bids

## **4. Introduction**

### **Background & Objective**

The Dredging Corporation of India Limited (DCIL) was established in the year 1976 to provide dredging services to the major ports in India. DCI is a pioneer organization in the field of dredging and maritime development. DCI is fully equipped to offer the complete range of dredging and allied services to the users in India and Abroad and to provide the vital inputs for the national development.

The Successful Bidder who shall be selected through the RFP process will carry out the scope of work in accordance with the specifications provided in a detailed Request for Proposal (RFP) document which shall be brought out by the Purchaser, subsequently.

### **Timelines for the project**

Implementing Agency shall be given a time of 2 months for Supply & Installation of Non-Radioactive Production measuring system-Production Calculator in Dredgers.

## **5. Instructions to the Bidders**

Purchaser invites reputed firms to submit their applications for the Project in accordance with conditions and manner prescribed in this Expression of Interest (EoI) document.

### **Availing EoI Documents**

The EoI document can be downloaded from the website <https://dredge-india.com> & <https://eprocure.gov.in> up to the date and time mentioned in the Document Control Sheet of this document.

### **Completeness of the EoI Response**

Bidders are advised to study all instructions, forms, terms, requirements and other information in the EoI documents carefully. Submission of Interests shall be deemed to have been done after careful study and examination of the EoI document with full understanding of its implications. The response to this EoI should be full and complete in all respects. Failure to furnish all information required by the EoI document will be at that Applicant's/ Bidder's risk and may result in rejection of their Interests.

### **Eol Preparation**

The applicant/bidder is responsible for all costs incurred in connection with participation in this process. Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of Eol process

### **Clarification on the Eol Document**

The bidders requiring any clarification on the Eol document may visit the DCIL between 10 am to 5pm during any working day i.e from Monday to Friday before the last day of submission of the bid.

### **Late Proposal for Eol**

EOI response not submitted on or before the last date and time mentioned in the document Control Sheet shall not be accepted.

### **Amendment of EOI Document**

At any time prior to the Application due date, Purchaser may, for any reason, whether at its own initiative or in response to clarifications requested by an Applicant, modify the EOI Document posted on the website: <https://eprocure.gov.in/>

In order to provide the Applicants a reasonable time to examine the Addendum, or for any other reason, Purchaser may, at its own discretion, extend the Application Due Date.

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## 6. Broad Scope of Work

### Description of the Work

The existing radioactive production meter installed onboard DCI fleets are equipped with radioactive source. At present, the installed Radio isotopes are completely decayed and importing radio isotopes for replacement has become very difficult task due to stringent rules of AERB. Therefore, DCI is intending to adopt new technology i.e., non-radioactive production meter with accuracy for desired results.

As a result, DCI Indents to proceed for procurement of Non- Radioactive Production measuring system-Production Calculator in DCI Dredgers DR XII & XIV

### **Technical Specification for Non-Radioactive Production measuring system-Production**

#### **Calculator:**

- 1.The supply, installation and commissioning of Non-Radioactive production measurement system to be carried out on board DCI Dredger.
2. The supply of production measurement systems should accompany with manufacturer's test certificate along with Guarantee Certificate at that time of delivery.
3. Supply of all hardware and software (complete system) for measurement of production of dredging material on board Dredger.
4. The hardware includes Velocity sensor (Electro Magnetic flow sensor), Density sensor (Non-Radioactive), amplifiers, detection units, PLC/SCADA modules, Display, power supply unit, cables and other mechanical fittings etc., if any for measurement of density & velocity of dredged materials.
5. The existing production calculation system to be removed from place and new system to be fitted on board. The necessary retro fitment to be done by supplier.
6. The nominal diameter of pipeline is 800 (ID), thickness: 16mm, Material: Mild Steel.
7. The system should be capable of measuring mixture density range: 1.000 to 2.000 t/m<sup>3</sup>.
8. The system should be capable of measuring velocity of flow (both mixture and water) range: 0 to 10 m/s.
9. The system should be capable of measuring Production range (mass): 0 to 3.5 tons.

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10. The system should be capable of measuring Production range (volume): 0 to 3.5 ton/s.
11. The output of density measurement is to be interfaced with ALMO (Automatic Light Mixture Overboard) to meet dredger operational requirement.
12. One number LED display (21 Inch minimum) is to be provided at dredge/ bridge console to monitor real dredge production information. It should display continuous real time data of velocity(m/s), density (t/m<sup>3</sup>), Production(mass)–ton per second(t/s), Production(volume)–cubic meter per second (m<sup>3</sup>/s) and cumulative production calculation in tones and cubic meter in a day & hour etc.,
13. The Production data to be logged for a period of at least 30 days. (Dredging production history should be available always for a period of 30 days from actual date).
14. Suitable output (4-20mA/0-10V/0-5V DC) to be provided to analog displays/ indicators (velocity & density yield indicator) in individual velocity & density meter at tube operator console. Another 2 to 4 outputs to be provided as spare.
15. The main power supply for the system should be 230VAC/50Hz and control supply should be 24VDC.
16. The velocity sensor and density sensor shall be fitted in the Pump room and the Production measuring display and indicators shall be fitted in the Bridge.
17. Protection class of the system should be more than IP65.
18. The system should work at ambient temperature (0 to 60 deg C) and Marine environment.
19. The calibration procedure of density & velocity should be compiled with empty pipe/freshwater/seawater/mixtures material.
20. The entire system to be installed and commissioned on board DCI Dredger with your service engineer and successful operation trails to be shown to ship staff.
21. The non-radioactive production calculator system/unit should be QC checked and verified and copy to be enclosed.
22. Minimum 12 months guarantee to be provided from the date of successful trails.
23. Post-sale, service and spare support to be provided for at least 15 years. An undertaking in this regard to be submitted along with guarantee certificate.
24. The software and license should be valid for life time. Program back up to be provided to DCI.
25. Software and Hardware configuration settings, electrical lay-out & circuit diagram and technical, operation & maintenance manual etc., are to provide in hard & soft copies- 3 sets to DCI.
26. All passwords are to be provided to DCI to access hardware & software settings, changes & up gradation etc., after installation of new system.

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27. Suitable Printer to be provided to take print out of the Dredge monitoring system as and when required.
28. Remote monitoring of the production data in the dashboard format should be available in the production monitoring system. Same can be transmitted to DCI Shore office for online/remote monitoring. All hardware and software should be fitted and be available for remote monitoring.
29. Training to be provided to Ship staff & DCI Officials after successful installation, commissioning & trials of the system.
30. Suitable trained engineers to be available at supplier's office for attending repair and maintenance on board Dredger as and when required.

**Note: The above-mentioned scope is indicative in nature and the bidders are free to propose any additional point/ module/ solution which can be helpful to attain the overall objective of monitoring and better inventory Control with new initiatives**

Once IA/ Successful Bidder is selected, it will be his responsibility to manage end to end IT hardware/ software operations for the Purchaser so that suitable decisions shall be taken to fix the scope of supply/work.

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## **Objectives of the Organization**

The production meter fitted in the suction tube (pipeline) of a dredger is a vital instrumentation system designed to provide the dredge operator with accurate, real-time data on the actual volume or mass of solid material being moved. Its primary purpose is to maximize operational efficiency, prevent equipment damage, and ensure project specifications are met by continuously monitoring the composition and flow rate of the dredged slurry.

The installation of a non-radioactive production meter in DCI dredger is a sophisticated approach to move beyond "dredging in the dark".

## **7. Evaluation of Eoi**

### **Pre-Qualification Criteria**

Before opening and evaluation of their technical proposals, bidders are expected to meet the following pre-qualification criteria. Bidders failing to meet these criteria or not submitting requisite supporting documents / documentary evidence for supporting prequalification criteria are liable to be rejected summarily.

### **Eligibility Criteria for Bidder to Participate:**

1. Bidder/OEM should be a company registered in India with Registrar of Companies since at least last 5 years.
2. Bidder should have minimum 3 years' experience in supply and installation of production meters in dredgers.
3. Bidder should have average annual turnover of Rs. 20 Crore (Minimum) in the last three financial years. The copies of Audited Accounts / Balance Sheet, Profit & Loss Account along with Income Tax Returns for the last three years shall be attached with the Tender.
4. The bidder should not be blacklisted / debarred by any of the Government or Public Sector Units in India as on the date of submission of the tender.
5. Bidder should submit Manufacturer Authorization Letter from OEM. The letter should mention OEMs contact numbers, email addresses and website with whom authenticity of letter can be cross checked.
7. Bidder/OEM should have local technical and service support in respective states. Proof of office need to be submitted.
9. Bidder/OEM should have experience in supply and installation of non-radioactive production meters at onboard DCI dredgers.

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10. Bidder should be ISO registered for 9001, 20001 and 27001.

11. Bidder should have technical team size of more than 30 members. Share their names along with their designation and experience.

### 8. Annexure & References

#### Annexure A - Formats for submission of Expression of Interest

Name of the Firm	
Registered office	
Postal address	
Tel./Fax/e-mail	
Type of Firm(Work area that the firm is involved in)	
Details of registration firm/company etc.	
Authorized Signatory Name: Designation: Qualification: With the company since: Line of experience/expertise:	
Copy of PAN should be submitted	
GST registration certificate should be submitted	

**Signature of Authorized Representative\***

**(with seal)**

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**Annexure C– Format for Declaration**

**On company Letter head**

Date: XX/12/2025

To,

HOD(MATERIAL),  
Dredging Corporation of India Ltd.  
Dredge House, H.B.Colony  
Seethamadhara, Visakhapatnam-530022.

Subject: Self-Declaration

Dear Sir,

I/We hereby declare that as of date, (Name of the firm/company)

- a. Has not been ever under a declaration of ineligibility for corrupt or fraudulent practices and should not be blacklisted by any State Govt. / Central Govt. / Board, Corporations and Government Societies / PSU for any reason.
- b. Has not been ever insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by court or judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons.
- c. And their directors, partners and officers not have been convicted of any criminal offense related to their professional conduct or the making of false statements or misrepresentations as to their qualifications within a period of three years as on date of submission of bid or not have been otherwise disqualified pursuant to debarment proceedings in present firm or any of the sister concerns.

Sincerely Yours,

(Signature of Authorized Signatory)

Name:

Title:

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Annexure B - Bill Of Material

Rough Estimate for the project

Note:- Above annexure to be submit on the letter head.