



कोचिन पत्तन प्राधिकरण
Cochin Port Authority

COCHIN PORT AUTHORITY

COCHIN-682 009, KERALA, INDIA

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**INVITATION FOR
EXPRESSION OF INTEREST
FOR
EFFECTIVE UTILISATION OF DREDGED
MATERIAL STACKED AT PUTHUVYPEEN,
COCHIN PORT**

No. T15/EOI/Drgd. Matrl./Puthuvypeen/2024-C

(This notice is issued only to elicit an Expression of Interest from Parties interested in the Project and does not constitute any binding commitment from Cochin Port Authority to proceed with the Project or invite any or all the Parties in the subsequent bidding process.)

SECTION-I

1. BACKGROUND

1.1 GENERAL

Cochin Port is one of the 12 Major Ports in India. It is an all weather port located in the State of Kerala on the west coast of India (9° 58' N, 76° 16' E) within the Cochin lagoon, which has natural protection from the sea by the headlands of Fort Cochin and Vypeen. The entrance to the Port is through the sea outlet between the peninsular headland of Vypeen and Fort Cochin, popularly known as the 'Cochin Gut'.

The major activities of the Cochin Port are located on the Willingdon Island and on Vallarpadam and Puthuvypeen islands on the northern side of navigational channels of the port. The Vallarpadam and Puthuvypeen areas are connected to the main National network through GIDA road and NH 966A. The rail network through Ernakulam junction connects Cochin Port to all industrial locations of India. Cochin Port is well connected by National Highways NH-966, NH-66 and NH-85 to two neighboring states like Tamil Nadu & Karnataka. A fully operational International Airport is located just 35 kms from Cochin Port. There is also Ro-Ro connectivity to ICTT from Willingdon Island for carriage of container trucks.

1.2 CHANNEL AND OTHER DETAILS

The present Approach Channel comprises an Outer Channel and two Inner Channels; the Ernakulam Channel and Mattancherry Channel. Outer channel starting from No. 16 buoy (0.00 chainage) and towards sea upto 15.95m contour (about 13.15km long), maintained for a varying width of 286m/260m and depth of (-)15.90m from the Harbour entrance towards channel mouth. The portion of Ernakulam channel starting from No.16 buoy (0.00 chainage) and leading and reaching upto the eastern end of basin in front of the International Container Transshipment Terminal (Entrance Channel) is maintained for a depth of (-) 15.90m.

Beyond the portion mentioned above, Ernakulam Channel upto southern end of Cochin Oil Terminal (COT) and Q9 berth is maintained for a depth of (-) 13.20m. The width of the channel varies from 200m to 500m and the portion of Ernakulam channel in front of Q5 to Q7 berths is maintained for a depth of (-)11.00 m. The portion of Ernakulam channel in front of Fertilizer Berth and in front of North Tanker Berth (NTB) and South Tanker Berth (STB), is maintained for a depth of (-)11m and (-)9.75 m respectively. Mattancherry channel taking off from the southern side of Ernakulam channel and reaching upto the southern end of Boat Train Pier (BTP), is maintained for a depth of (-)9.75m [Designed depth of 10.75 m.]. Balance portion of Mattancherry channel beyond the southern end of BTP and reaching upto the southern end of Q1 berth of Mattancherry Wharf, is maintained for a depth of (-) 9.75 m.

LNG Basin is situated at the northern side of the outer channel near the Cochin Gut and is maintained for a depth of (-) 14.50m.

2. SITE INFORMATION

2.1 General

- 2.1.1 The whole coastal area is characterized by formation of the coastal land forms, which are made up of sand bars and barriers, sandy flats, mud flats and bars. The coastal plain is occupied by quaternary and recent sediments consisting essentially of sands, sandy clays, clays and carbonious clays.
- 2.1.2 The near shore area outside the Cochin Gut is relatively shallow reaching a water depth of 5 m at a distance of about 2 km from the shore and gradually deepening to 10 m at a distance of about 6 km outside the Gut. The sea bottom is mainly soft mud up to several meters deep in the near shore waters of Cochin.
- 2.1.3 The siltation in the Cochin Harbour area mainly takes place due to the deposition of the sediments from sea, which are stirred up during the wave action and brought inside the lagoon during the flood tide, whereas the siltation in the outer channel is mainly due to the phenomena of littoral drift.
- 2.1.4 Presently Sand dredged from the basins of LNG terminal and Mult jetty have been stacked at Puthuvypeen area. The quantity estimated is more than 10 lakh cum.
- 2.1.5 Location plan of the area where the dredged material is stacked is shown at **Figure 1**



Figure 1 : Dredged materials stacked around Location 1 & Location 2

2.2 Soil Data

Soil data of the dredged materials stacked at Puthuvypeen at various locations are shown in the **Table-1** below for general information:

3. THE PROJECT

Cochin Port Authority intends to explore the possibility of utilizing the materials dredged from the LNG basin and MULT area which is stacked at Puthuvypeen.

Intended parties shall ascertain the nature of material and its commercially viable/ practically possible utility of the dredged material and furnish short term / long term quantity requirements.

Table-1: Soil Data

Sl. No.	Location	Sand (%)			Silt & Clay (%)
		Coarse	Medium	Fine	
1	West side of MULT Road near PLL	0	7	90	3
2	West side of MULT Road near PLL	0	8	68	24
3	West side of MULT Road near shore	1	6	56	37
4	Behind MULT jetty	0	12	82	7

4. OBJECTIVE OF EOI PROCESS

4.1 Cochin Port intends to develop an innovative scheme for utilizing the dredged materials for commercial use. The objective of inviting this EOI, is to elicit the feedback from potential parties for assessing beneficial use of the dredged material as well as to explore effective models for the same and to obtain short term / long term quantity requirements.

It is proposed to utilize the dredged materials for the intended purpose as per the requirement by inviting open quotation through MSTC.

4.2 The potential parties /firms shall submit their proposals detailing:

1. The material requirement for short term (one year) and long term basis.
2. Different kind of potential use of the dredged material considering its suitability. The party has the option to assess the nature of materials by taking samples of dredged materials.
3. Methodology of collecting the dredged material through most practically possible way without affecting Port's activities.
4. Commercial viability of use of dredged material in the present market scenario.
5. The Infrastructure like land and machinery, if any, required for this.

5. PROPOSAL

Interested firms are hereby invited to submit their "Expression of Interest" (EOI) for "Effective Utilisation of Dredged Material Stacked at Puthuvypeen, Cochin Port". The information submitted will be treated as confidential.

6. EOI TIMELINES

SL.NO	PARTICULARS	DATE
1	Publication of EOI	19.11.2024
2	Last date for seeking Clarification	25.11.2024
3	Last date for publishing corrigendum, if any	29.11.2024
4	Last date and Time for Submission of EOI	10.12.2024, 15:00hrs
5	Date & Time of opening of EOI	10.12.2024, 16:00hrs

SECTION-II

INFORMATION & INSTRUCTION TO APPLICANTS

1. GENERAL:

- 1.1 Letter of Interest and forms 'A', 'B' & 'C' seeking information/documents are given in Section-III.
- 1.2 All information called for in the Forms A, B & C shall be furnished against the relevant columns.
- 1.3 The applicant may furnish any additional information, which is deemed necessary to establish capability to successfully complete the envisaged project.
- 1.4 The EOI document in the prescribed form duly completed and signed along with corrigendum shall be submitted (hard copy) in a sealed cover. The sealed cover superscripted "**Expression of Interest for Effective Utilisation of Dredged Material Stacked at Puthuvypeen, Cochin Port**" shall be delivered to "The Chief Engineer, Cochin Port Authority, Willingdon Island, Kochi – 682009" on or before **10.12.2024 at 1500 hrs.** Documents submitted in connection with EOI will be the property of Cochin Port Authority.
- 1.5 For further details please contact Chief Engineer, Cochin Port Authority Cochin, and India- 682 009. Tele Fax: 0091484-2666414, email: coptce@gmail.com/ce@cochinport.gov.in.

2. PARTICULARS:

The particulars of the project given in Section-I, are only indicative / subject to change and may be considered only as advance information to assist the applicant.

3. INFORMATION TO BE GIVEN IN THE REQUIRED FORMATS:

Applicant should furnish the following:

A) ORGANISATION INFORMATION (Form-A)

Applicant is required to submit the comprehensive information in respect of his organization in the Form – 'A' attached.

B) SUGGESTIONS (Form-B)

The Firms are requested to submit their proposals/views that can be considered for the Project formulation, in Form-'B'. Additional sheets can be used.

C) Quantity requirement (Form – C)

The firms are requested to submit their material requirement during a period of one year or more as per the Proforma at Form – C.

4. LETTER OF INTEREST

The applicant should submit the Letter of Interest (LOI) attached with the 'EOI' document.

5. DISCLAIMER

The information in this document has been prepared to assist the applicants in preparing the non-binding EOI and it is clarified that

- It does not constitute an invitation to offer or an offer in relation to the transaction.
- This document does not constitute any contract or agreement of any kind whatsoever.
- This document does not, and does not purport to contain all the information that interested firms and their advisors would desire or require in reaching decisions as to the transaction. Interested applicant should form their own view as to what information is relevant to such decisions and make their own independent investigations in relation to any additional information.
- Neither the information in this document nor any other written or oral information in relation to the transaction is intended to form the basis of or the inducement for any investment activity or any decision to enter into any contract.
- Neither Cochin Port Authority nor their employees or advisors shall be liable to any interested party or any Entity under law including the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expenses or damage which may arise, or be incurred, or suffered, in connection with this document, or any matter that may be deemed to form part of this document, or any other information supplied by or on behalf of Cochin Port Authority or their employees or advisors or otherwise arising in any way from the selection process ahead.
- It shall not be assumed that there shall be no deviation or change in any of the herein mentioned information. While this document has been prepared in good faith, neither Cochin Port Authority nor any of their respective officers or employees or advisors or agents make any representation or warranty or shall have any responsibility or liability whatsoever in respect of any statements or omissions here from.

SECTION-III
LETTER OF INTEREST
(To be typed in Firm's Letter head)

To

The Chief Engineer,
Cochin Port Authority,
Willingdon Island,
Kochi – 682 009.

Sir,

Sub: Submission of Expression of Interest (EOI) for “Effective Utilisation of
Dredged Material Stacked at Puthuvypeen, Cochin Port.

Having examined the details given in EOI Notice and EOI document for the above project, I/we hereby submit our Expression of Interest and the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed forms ‘A’, ‘B’ & ‘C’ and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for EOI and have no further pertinent information to supply.
3. I/We also authorize Cochin Port Authority or their authorized representatives to approach individuals, employers and firms to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability, technical knowhow and capability for successfully implementing the project.

Signature(s) of Applicant(s)

Enclosures

Seal of applicant

Date of submission

FORM – ‘A’

Organizational Structure of Applicant

1	Name & Address of the applicant with Telephone No./ email	
2	a) Year of Establishment b) Date of commencement of operations	
3	Legal status of the applicant (attach copies of original document defining the legal status) a) Proprietorship firm b) Partnership firm c) Limited company or Corporation/ Joint venture/ Consortia d) Others (Please specify)	
4	Names of Directors & other executives involved in this project with designation and contact information.	
5	Applicant's annual turnover in the last three financial years in Indian Rupees.	2021-22: 2022-23: 2023-24:
6	Brief write up about Applicants business during last three financial years	
7	Any other information considered necessary but not included above	

We have attached:-

1. Copies of last three years (FY 2021-22, 2022-23 & 2023-24) Annual Audit Reports or Auditor's certificate.
2. Brochures if available, of the Applicant

Signature

Designation

FORM – ‘B’
SUGGESTIONS

Brief details of the proposal indicating the suggestive quantity	
Land area requirements if any	
Indicative Investment for the proposed scheme in Indian Rupees	
Assistance required from Cochin Port Authority	
Suggestions or views (Please attach additional sheet).	

Applicant may add any other detail considered to be important

A conceptual plan shall be attached.

Signature

Designation

FORM – ‘C’
Quantity Requirement

Quantity of dredged material requirement in cubic metre:

A) Short term : One year

- (i) During next three months :cum
- (ii) During 3-6 months :cum
- (iii) During 6-9 months :cum
- (iv) During 9-12 months :cum

B) Long term

- (i) During 2nd year :cum
- (ii) During 3rd year :cum
- (iii) During 4th year :cum
- (iv) During 5th year :cum

Signature

Designation