



EOI No. MRN/SDDS/CDE/Capital Dredging/ 865

Dated 12.05.2026

**SYAMA PRASAD MOOKERJEE PORT, KOLKATA
EXPRESSEION OF INTEREST**

REQUEST FOR EXPRESSION OF INTEREST (EOI) FROM PROSPECTIVE BIDDERS FOR PARTICIPATION IN GLOBAL COMPETITION FOR CAPITAL DREDGING IN THE SHIPPING CHANNEL FROM SAGAR TO EASTERN CHANNEL LEADING TO SYAMAPRASAD MOOKERJEE PORT, KOLATA (SMPK), WEST BENGAL, INDIA.

(This Notice is only to elicit Expression of Interest from the parties interested in the project and does not constitute any binding commitment from SMPK to proceed with the project or invite any or all parties in the subsequent bidding process)

Issued by
Director Marine Department
Syama Prasad Mookerjee Port, Kolkata

May 2026

Notice Inviting 'Expression of Interest'.

Syama Prasad Mookerjee Port, invites 'Expression of Interest' (EOI) from the prospective bidders of National / International repute for creating facilities for receiving vessels up to 13.5 m draft at its waterfronts by execution of Capital Dredging. The hydrographic chart showing channel layout is enclosed at **Annexure-A**. In this regard, a feasibility study has been done by NTCPC, IIT Madras. The salient recommendation including channel layout recommended are as follows:

Phase	Draught (m)	Capital Dredging including re-siltation (in cumulative MM ³)	Duration (Months in cumulative)
Phase-I	11.5	12.57	12
Phase-II	12.5	Increasing to 33.09	Increasing to 24 months
Phase-III	13.5	Increasing to 61.72	Increasing to 36 months

1. The total capital dredging volume is estimated to be 9.36 Mm³ in Phase I, increasing to 25.76 Mm³ in Phase II and 48.62 Mm³ in Phase III.
2. The additional dredging volume required beyond Phase I is 16.4 Mm³ to reach 12.5 m and 22.87 Mm³ more to reach 13.5 m.
3. The capital dredging requirement is estimated to increase to **12.57 Mm³** for achieving 11.5 m draft including re-siltation quantity, which can be completed within **12 months**. For achieving 12.5 m draft, after accounting for re-siltation, the dredging volume is projected at **33.09 Mm³**, while for achieving 13.5 m draft is expected to be **61.72 Mm³**. The re-siltation quantities for achieving 11.5m draft is projected to be 3.21 Mm³, from 11.5m to 12.5m draft is projected to be 4.12 Mm³ and from 12.5m to 13.5m draft is projected to be 5.76Mm³.
4. For Phase II, after accounting for re-siltation, the dredging is estimated to be completed within **24 months** and Phase III is estimated to be completed within **36 months**
5. The details of cases considered for achieving desired draft are given below:

Case No.	Channel Option	Phase	Design Draft (m)	UKC Considered	Dredging Depth (m) at Channel	Dredging Depth (m) at Anchorage
Case-1	Existing Condition	-	-	15%	-	-
Case-2	Option-1 (SMP)	Phase-I	10.5	15%	7.08	10.65

Case-3	Option-1 (SMP)	Phase-II	11.5	15%	8.23	11.75
Case-4	Option-1 (SMP)	Phase-III	12.5	15%	9.38	12.85
Case-5	Option-1 (SMP)	Phase-IV	13.5	15%	10.53	13.95
Case-6	Option-2 (IITM)	Phase-I	10.5	15%	7.08	10.65
Case-7	Option-2 (IITM)	Phase-II	11.5	15%	8.23	11.75
Case-8	Option-2 (IITM)	Phase-III	12.5	15%	9.38	12.85
Case-9	Option-2 (IITM)	Phase-IV	13.5	15%	10.53	13.95

The EOI may be may be downloaded from <https://kopt.enivida.in>. <https://www.smporkolkata.shipping.gov.in>. Corrigenda / addendum(s) or clarifications, if any, shall be hosted on the above-mentioned website only. May be submitted physically also.

SCHEDULE OF EOI

a. EOI. No.	MRN/SDDS/CDE/Capital Dredging/ 865 Dated 12.05.2026
b. Mode of EOI	Expression of Interest is to be submitted Online through https://kopt.enivida.in . The prospective bidders are required to submit electronically through e-tendering portal / physically.
c. Date of EOI notice available to parties to download.	From 13.05.2026 .
D. Pre-EOI discussion.	At 1500 hours 25.05.2026 (hybrid mode)
d. Date of starting of submission of bidder's response on- line.	At 10:00 hours on 27.05.2026
e. Date of closing of online / offline submission of bidder's response.	Up to 14:00 hours on 13.06.2026 .

Background

The two dock systems, one at Kolkata and the other at Haldia on the Hugli estuary under the administrative control of Syama Prasad Mookerjee Port, Kolkata, are located 144 km and 44 km inland respectively, from Sagar Island at the mouth of the estuary debouching into the Bay of Bengal. The estuary is “alluvial “and perennially “well mixed”. The entire navigational channel from Sagar to Kolkata as well as Haldia is interspersed with shallow stretches classified as shallow-crossings/bars /shoals /sand-encroachments having tidal current, which varies from 2 knots to 5 knots (Approximately), the nomenclature characterising the type of sedimentation. All alluvial estuaries exhibit similar characteristics.

Proceeding downstream from Kolkata, the estuary becomes braided around a central island - the Nayachara Island opposite Haldia Dock - downstream of Diamond Harbour at about 100 Km from Kolkata. The estuary becomes broader and fans out into principally two channels.

(A) On the east along Diamond Harbour - Kantabaria-Kulpi- SilverTree - Bedford -Sagar - Middleton- Gasper-Sea.

(B) Diamond Harbour-Balari-Haldia-Jellingham-Eden -Lower Eden-Sea.

Scope: Syama Prasad Mookerjee Port, Kolkata (SMPK) engaged National Technology Centre for Ports Waterways and Coasts (NTCPWC), Department of Ocean Engineering, Indian Institute of Technology Madras, for Study of creating deep drafted port/terminal for SMPK at Sagar or other suitable locations”. The layout of navigation channels in Hooghly estuary is represented in **Figure 1** and **Figure 2**. At present, the least available depth in the Sagar region is 6.4 meters at Upper Middleton. To facilitate navigation and allow the channel leading to the Sagar anchorages to accommodate vessels with deeper drafts, two alternative channel alignment options have been proposed. Option 1 has been developed by SMP, while Option 2 has been proposed by IIT Madras (IITM).

To enhance operational efficiency, the proposed channels have been divided into

distinct dredging zones. For Option I (SMP-proposed channel), the entire channel is segmented into ten zones, numbered from Z-1 to Z-10. In Option II (IITM-proposed channel), zones Z-1 to Z-3 are identical to those in Option I, while the remaining zones are designated separately as IITM Z-4 to IITM Z-9. This zonal division is intended to support the phased and precise deployment of dredgers. A channel width of 400 meters has been considered for the approach channel. Additionally, anchorage areas have been designed with a diameter of 1,500 meters, while emergency anchorage areas located approximately midway along the channel at the 11-meter depth contour have a diameter of 1,300 meters. These emergency anchorages have also been proposed by IITM for both channel options to enhance navigational safety.

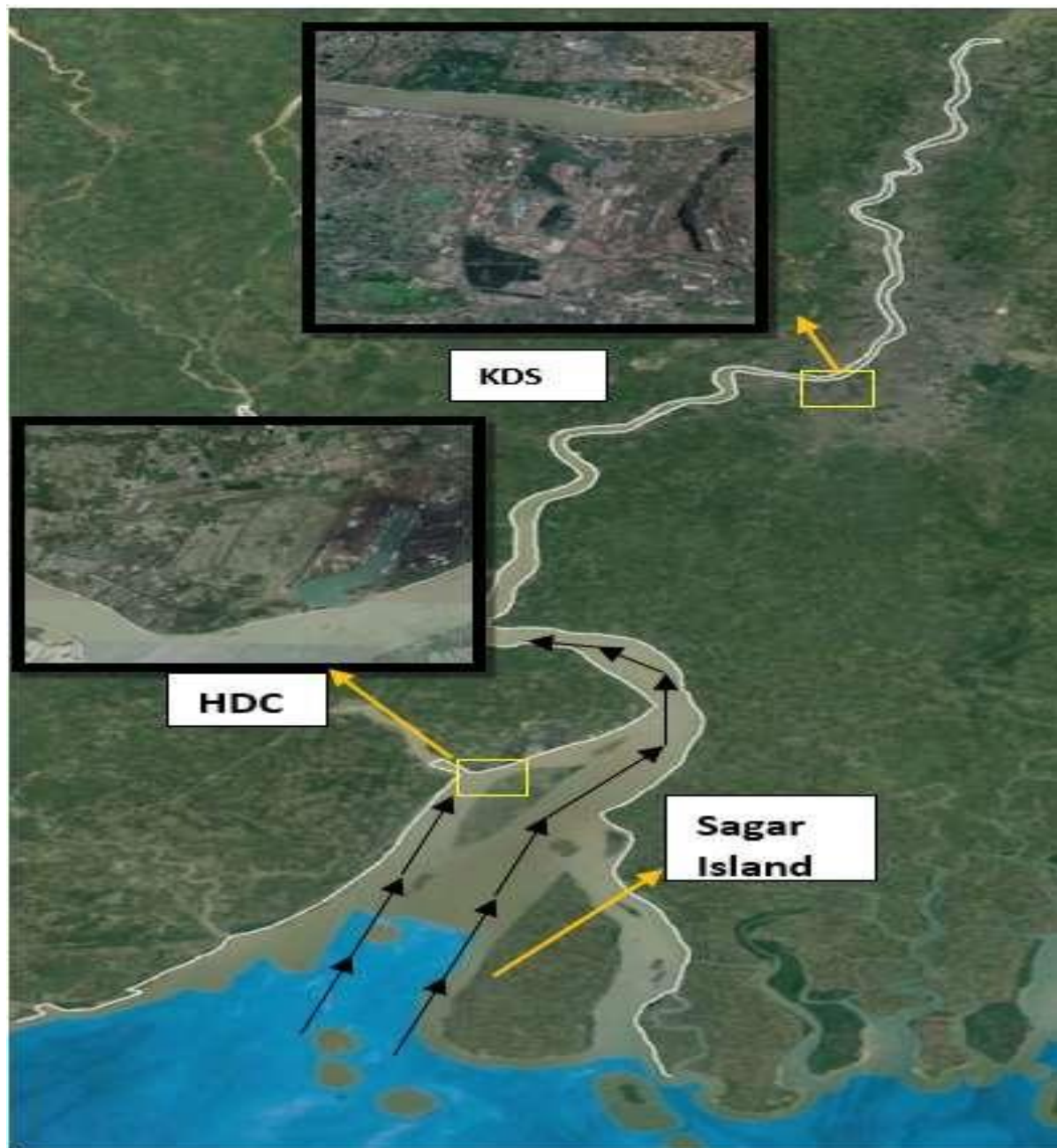


Figure 1 Location map of project site

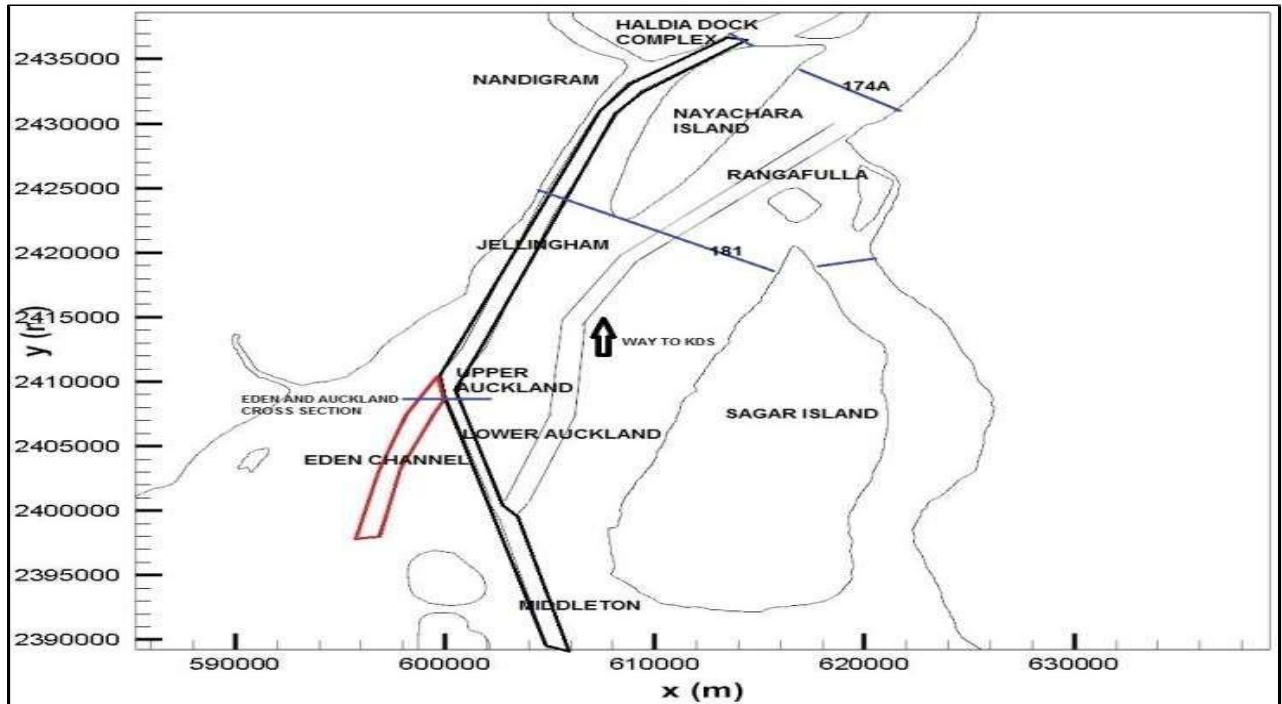
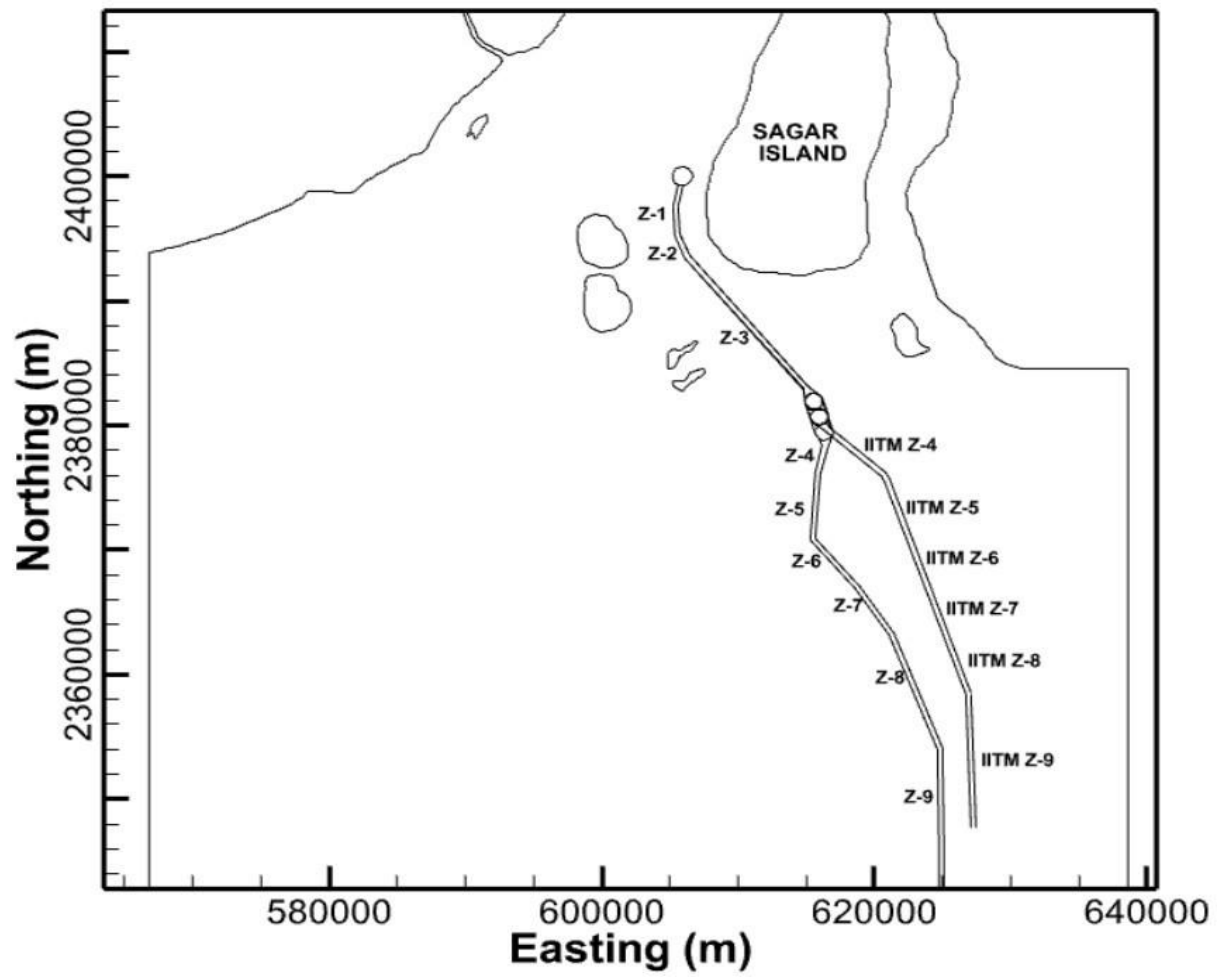


Figure 2 Layout of navigational channels to HDC & KDS

A schematic representations of the proposed channel alignments for both Option 1 (SMP) and Option 2 (IITM) is given below. The alignments are further divided into ten dredging zones (Z-1 to Z-10) for Option 1 and nine dredging zones (zones Z-1 to Z-3 are identical to those in Option I, while the remaining zones are designated separately as IITM Z- 4 to IITM Z-9) for Option 2. These zonal divisions have been designed to facilitate efficient, phased dredging and optimized deployment of dredgers.



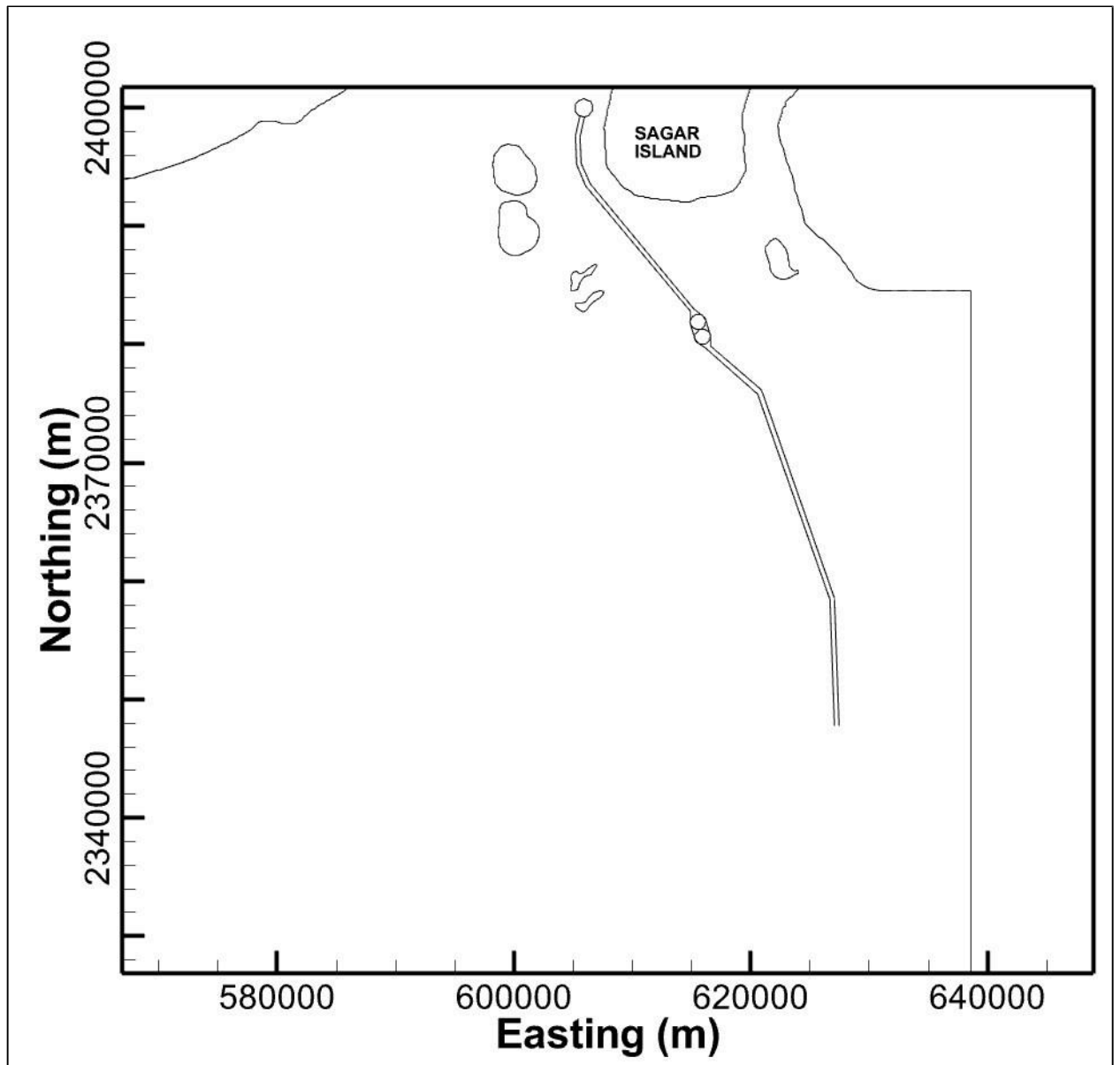
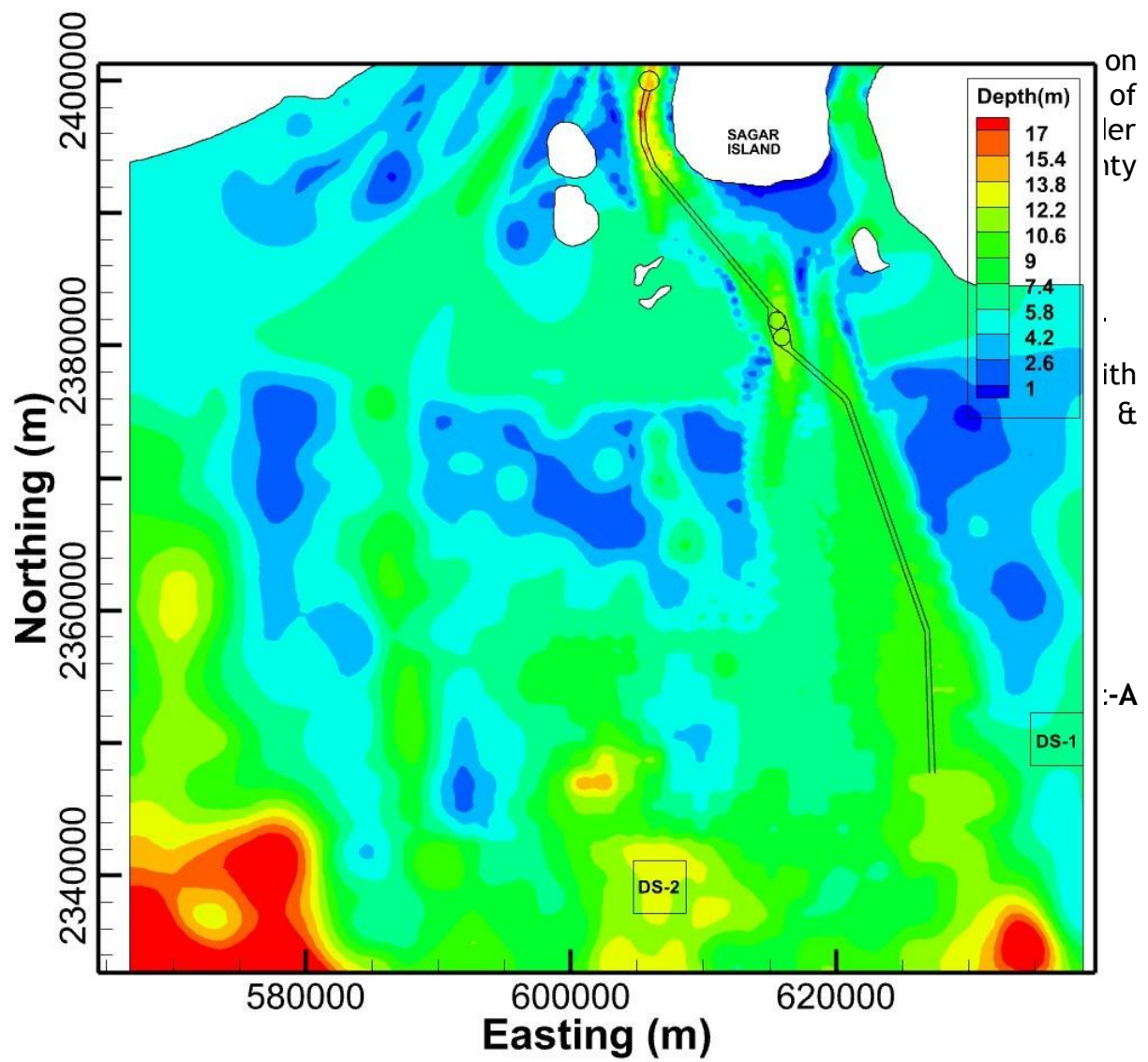


Figure 4 Layout of navigational channel (Option-II) to Sagar anchorage

Proposed dumping ground locations

Two designated dumping grounds have been identified based on the demarcation shown in **Figure given below**. The first dumping ground is located near the 7 m contour to the right of the proposed channel, while the second is situated along the 12 m on the bottom-left side of the layout. The proposed disposal locations are clearly marked in the figure for reference.



Director,
 Marine Department
 EOI Inviting Authority
 Mob: 9836298699
 Email: dmd@smportkolkata.shipping.gov.in

Sub: Submission of 'Expression of Interest' (EOI) for for creating facilities for receiving vessels up to 13.5 m draft at its waterfronts by execution of Capital Dredging.

Sir,

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 form and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for EOI and have further pertinent information to supply.
3. I/We also authorize Syama Prasad Mookerjee Port 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 know-how and capability for having successfully developed Multipurpose Terminal along with prescribed format.
5. We understand the SMP will be at liberty to finalize project parameters and issue global RFQ for the project.

Signature(s) of Applicant(s)

Enclosures

Seal of applicant
Date of submission

Appendix-I

SALIENT FEATURES / SUGGESTIONS OF THE FIRMS AT A GLANCE

Sl. No	Description	Details / Suggestions
1.	Name of firms / Applicants	(as per Appendix-II)
2.	Experience in Maintenance / Capital dredging activities	(as per Appendix-III)
3	Comments / suggestions as regards proposed profile of dredged channel.	
4.	Details of geo-technical data required for execution of capital dredging.	
5.	Nature / Number of Equipment proposed	
6.	Approximate cost of dredging project.	

Signature with Seal

Appendix-II

Name of firms / Applicants
(Organizational Structure)

Sl. No	Description	Details / Suggestions
1.	Name and Address of the applicant with Telephone No / Fax No.	
2.	a) Year of Establishment b) Date & Year of commencement	
3.	Legal status of the applicant (attach copies of original document defining the legal status)	
	a) Proprietary Firm	
	b) A firm in partnership	
	c) A limited company or Corporation / Join Venture / Consortia	
	d) State owned	
4.	Any other information considered necessary but not included above.	

Signature with Seal

Appendix-II

Details of maintenance dredging / capital dredging carried out in the last Ten (10) years.

Name of the project	
Location	
Year of commencement and completion	
Promoters	
Annual turnover of the last three years (In US \$ / in INR).	
Specific observation / suggestion of the firms regarding the project with particular reference to depth guaranteed mode of payment.	

Seal

Signature with

Note: Please use separate sheet for each project.

SAGAR ISLAND

