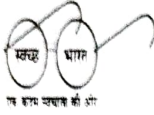




DEENDAYAL PORT AUTHORITY

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Office of the
Executive Engineer (C-I),
A.O. Building, Annex Room No. 303
Gandhidham - 370 201
Ph. No. 87586 59669

No. CN-I/WK/3035/Technical Consultant/401

Date: 12/03/2025

To,
Prof. S. Nallayarasu,
Department of Ocean Engineering,
Indian Institute of Technology Madras,
Chennai-600 036, India,
Tel.: (O) (044) 2257 4819, Fax: 044-22574802,
e-mail: nallay@iitm.ac.in

Sub: Appointment of IIT-M Chennai, on Nomination basis for "Consultancy Services for Preparation of Detailed Project Report for Construction of Multipurpose Cargo Berth No.17 at Kandla"- Work Order Reg.

Ref: 1) DPT's e-mail dated: 22.08.2024
2) IIT-M's Offer vide letter dated: 14.09.2024

Sir,

1. With reference to your offer dated: 14.09.2024 amounting to **Rs. 150 lakhs + GST (Rupees one crore fifty lakhs plus GST)** towards providing the services for the subject work, including all the terms and conditions mentioned in the letter has been accepted by the Competent Authority, DPA.
2. The Scope of work, Deliverables, Consultancy Fee, Terms of payment and schedule are mentioned in **Annexure-A**.
3. Kindly, send acknowledgement of this work order & start the work w.e.f. 18/03/2025.

Thanking You,

Encl: As Above.

Yours faithfully,

Executive Engineer (C-I)
Deendayal Port Authority

Appointment of IIT-M Chennai, on nomination basis for “Consultancy services for preparation of detailed project report for Construction of Multipurpose Cargo berth no. 17 at Kandla.”

1. Scope of engineering consultancy

Task-I Inception report / Preliminary Report

Task-II(a) Field studies & Soil data collection

- i. Site appraisal to ascertain the feasibility of developing the facility including collection of field related data such as wave, current and wind from existing resources from DPA or others.
- ii. DPA shall provide the available bathymetry and topographic survey of the area with the assistance from IITM for finalizing the area for the berth and backup yard.
- iii. Review of existing borehole data from previous studies and derive the geotechnical requirements.

Task-II(b) Mathematical model studies (by CWPRS)

CWPRS has the mathematical model for the area since they have done the dredging studies and hence the same model can be used for model study for the proposed berth including siltation study. DPA to approach CWPRS and IITM will supply the berth data and drawing.

Task-III Marine structures and reclamation design

- i. Prepare the best possible layout for the jetty and approach for cargo vessels capable of handling large wind turbines and other cargo.
- ii. Planning of cargo handling facilities such as mobile cranes, rail mounted cranes or other handling equipment for commercial heavy cargo or bulk cargo.
- iii. Development layout of onshore facility including, support facilities, electrical supply, water supply.
- iv. Preparation of dredging layout and reclamation requirement including soil and shore protection requirements.
- v. Conduct mooring analysis to derive the bollard and berthing forces for the design of the jetty.
- vi. Prepare design of fire fighting facility for the berth and the backup yard.
- vii. Prepare detailed design of berth including fenders and bollards, berth utilities
- viii. Detailed design of backup yard / shore protection.
- ix. Prepare detailed drawings for the marine facility including the berth, back yard and other utilities.
- x. Prepare Bill of quantities based on detailed design drawings and studies for various project items such as berth, backup yard, utilities, and reclamation
- xi. Prepare Project cost/ block estimate.

Task-IV Detailed Project Report

- i. Project background information and approach to the berth including movement of heavy cargo.
- ii. Prepare financial viability including the market studies and charges for heavy cargo import such as wind turbines and other cargo and estimate the IRR.
- iii. Prepare Detailed Project Report
- iv. Consultant shall also make presentation to the Department, to the higher officials, Government heads and to other Government agencies as and when required for approval of the proposal and prepare the compliance report for the same. Assist DPA for obtaining approval from respective Competent Authority / respective Ministry.

Task- V Estimation and Tendering

- i. Prepare specifications for the RC works, piles, pile muff, beams, structural steel fabrication, guide pin piles, and other miscellaneous items.
- ii. Prepare detailed estimate based on DPA/CPWD manual & SOR and prevailing market rates for items not available with the SOR.
- iii. Preparation of Tender Request for Proposal (RFP)
- iv. Preparation of Draft Agreement
- v. Preparation of scope of works, milestone payment schedule
- vi. Estimation of Construction schedule and equipment requirement
- vii. Tender forms and annexures as per DPA standard tenders

Task- IV Bid Evaluation

- i. Attend and prepared pre-bid queries in ref to tender
- ii. Prepare Preliminary & Technical Bid evaluation report.
- iii. Prepare queries to be sent to the bidders.
- iv. Prepare Commercial Bid evaluation report.
- v. Assist in preparing Letter of intent, award of letter to be issued to successful bidder.

2. Consultancy Fee

The total consultancy fee for the various scope of work is **Rs.150 lakhs + GST.**

- 20% upon the submission of inception report
- 30% upon the issue of field investigation report
- 35% upon submission of draft detailed project report
- 10% upon the submission of detailed estimate & tender
- 5% upon submission of tender evaluation and letter of award

Payment shall be made to "The register, IIT Madras".

Income Tax shall not be deducted as IIT Madras is exempt from income tax.

Payment shall be made within 30 days of issuance of invoice.

3. Travel

All travel requirements during the site visits, field studies and project related meetings are included in the lump sum fee.

4. Exclusion

The following scope is not included in the current proposal as it will be taken up separately

(a) EIA study

(b) Field monitoring and supervision during execution of works

5. Schedule

The overall schedule for the completion of the scope of work is 6 months from the date of work order.

The following milestone is proposed.

Sr. No	Deliverable Items	Timelines for Deliverables	
1.0	Task -I Inception report	Within 1 week after award of work order	16 weeks (4 Month)
2.0	Task -II(a) Field studies	Within 6 weeks after award of Work	
3.0	Task -III Detailed Design	Within 12 weeks after award of Work	
4.0	Task -IV Detailed Project Report	Within 16 weeks after award of Work	
5.0	Task -V Estimation & Tendering	Within 7 weeks after approval of Detailed Project Report	7 weeks (1 Month 3 Week)
6.0	Task -VI Bid evaluation		
6.1	To attend pre-bid meeting and reply to queries of the bidder.	Within 2 days after receipt of pre-bid queries from various bidders.	1 weeks
6.2	To scrutinize the technical bid and submit the Pre-qualification evaluation report for Technical bid.	Within 3 days after receipt of technical bid.	
6.3	To scrutinize of Price bid and submit the Pre-qualification for the Price Bid.	Within 2 days after receipt of price bid.	
	TOTAL	24 week (6 months) or till completion of project.	