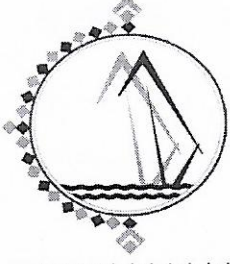


दीनदयाल पत्तन प्राधिकरण



भारत 2023 INDIA
वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

Executive Engineer (Projects)
Room. No. 110, ANNEX,
Administrative Office
Gandhidham – Kutch Pin – 370 201
E – Mail: kptprojectdivision@gmail.com
Website: www.deendayalport.gov.in

No. CE/Project/4622/OJ/122

Date: 16/04/2026

To,

Dr. Ranadev Datta,

Associate Professor & Head,

Department of Ocean Engineering & Naval Architecture,

Indian Institute of Technology,

Kharagpur – 721302.

Phone: +91 3222-283780 (O), E-mail : ranadev@naval.iitkgp.ac.in, www.iitkgp.ac.in

Sub: **Upgradation and Strengthening of Oil Jetty No. 01, 2 & 4 at Kandla – Appointment of Technical Advisor for providing Technical Services and Structural Health Assessment of the Oil Jetties 1, 2 and 4 of Deendayal Port Authority – Reg.”**

Sir,

Your offer for the subject work submitted vide above referred letter dated 16-01-2026 amounting to Rs. 88,00,000/- + GST (Rupees Eighty Eight Lakhs plus applicable GST) with all terms and conditions mentioned in the offer letter has been accepted by the competent Authority Deendayal Port Authority. The detail is as under:-

A. SCOPE OF WORK :

Phase-1 : Field investigation and Submission of Report .

1. Site Visit and Reconnaissance Survey.
2. Conduct detailed Survey including visual inspection of the jetty's structural components including decks, piles, beams, connections, fenders, bollards, mooring dolphins, walkways and ladders. Non-destructive testing (NDT) i.e. Rebound Hammer Test, Ultrasonic Pulse Velocity Test, Photometer Test, Core Drilling test, Evaluation of Core and Chemical test and Carbonation Test, Half-Cell Potential measurement, of critical structural elements to assess integrity of Structure.
3. Structural Analysis to assess the load carrying capacity of the structures in it's current states.
4. Submit Feasibility cum Concept report for upgrading and retrofitting of the existing OJ 1,2,4 along with its allied assets. The Concept report should provide various options suggesting future course of action for strengthening OJ 1,2 & 4 based on the result of the tests. The Concept report shall include the findings of the Detailed Survey and block Cost Estimation.

Phase 2 : Detailed Design, Drawing, Cost estimate, Tender preparation and Submission of Report

Phase 2-(1). Stress analysis using FEM

Finite element (FE) **structural model will for** Oil Jetty -1, Oil Jetty -2 and Oil Jetty -4 will be developed.

Analysis will be carried out for

- Existing operational loads
- Environmental and code-specified loads
- Applicable load combinations

Load bearing capacity and serviceability and safety margins will be assessed through such analysis.

Phase 2 (2). Retrofitting methodology

- Prepare Detailed Project Report, drawings, implementation Scheme.
- Prepare Detailed Estimate and Tender preparation.
- Technical Assistance during the tendering Process.

B. Project Schedule & Deliverable

The estimated total duration of the assignment is given as follows:

Activity		Duration (Weeks)
Phase 1 Field investigation and Submission of Report	Part 1: Site Visit and Reconnaissance Survey and submission of survey report.	$T_0 + 2 = T_1$
	Part 2: Carrying out testing and submission of test reports.	$T_1 + 4 = T_2$
	Part 3: Submission of Feasibility cum Concept report	$T_2 + 4 = T_3$
Phase 2 Detailed Design, Drawing, Cost estimate, Tender preparation and Submission of Report		$T_3 + 10 = T_4$

Note: Time Schedule exclude the any kind of delay beyond the control of IIT Kharagpur and delay on account of any natural potential delay

T_0 = Receiving of Work Order and all the available input Data as mentioned in the **section C**

T_1 = Submission of Phase1, part 1.

T_2 = Submission of Phase1, part 2

T_3 = Approval of Phase1, part 3

T_4 = Submission of Final Report

C. Data/Support Requirement from Client

(i) Available geotechnical investigation details of the project area, including marine geotechnical data; pile details such as penetration depth and cut-off levels; design details and as-built drawings of existing structures; details and drawings of past repair works; projected or proposed expansion plans; and existing and proposed loading conditions.

(ii) Additionally, information on any administrative support for permissions required for field measurements, site visits, and testing.

D. Exclusions

Anything not mentioned in the scope of Phase 1 and Phase 2.

E. Financial Proposal

Description	Offer
Consultancy fees for the Scope As mentioned in the Technical Details (A-D)	Phase 1: ₹ 60,00,000 + 18% GST Phase 2: ₹ 28,00,000 + 18% GST
Total of Phase I & II	₹ 88,00,000 + 18% GST

F. Payment Terms

Activity	Payment Details
Phase 1 Field investigation and Submission of Report	Part 1: Site Visit and Reconnaissance Survey and submission of survey report. ₹ 20,00,000 + 18% GST
	Part 2: Carrying out testing and submission of test reports. ₹ 30,00,000 + 18% GST
	Part 3: Submission of Feasibility cum Concept report ₹ 10,00,000 + 18% GST
Phase 2 Detailed Design, Drawing, Cost estimate, Tender preparation and Submission of Report	₹ 28,00,000 + 18% GST

Executive Engineer (Project)
Deendayal Port Authority

Copy to :

1. Income Tax Office, behind DPA Office, Gandhidham
2. ALC (Central), Staff Club, Gopalpuri.
3. Chief Engineer
4. FA & CAO
5. Traffic Manager
6. L. O. (DPA)
6. Commandant (CISF)
8. Commissioner of Customs, Kandla

Concurred in by FA & CAO under e-note No. 54 and approved by Chairperson under e-note No. 56, in the e-file No. CE/Project/Cell-Circle Division/4622/OJ/2024\$PF1