

# **CONSTRUCTION-I DIVISION**



## **DEENDAYAL PORT AUTHORITY**

**ISO 9001-2008 Certified Port**

**Office of the Executive Engineer (C-I),**

303, A.O Building Gandhidham(Kachchh)

Gujarat. PIN 370201.

Email :constdiv1@gmail.com

Website : deendayalport.gov.in

CN-I/WK/3045/Technical Consultant/

Date: - 13.08.2025

To,

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### **Expression of Interest**

Sub: **Request for Proposal (RFP) for Appointment of Consultant for Architectural and Project Management Consultancy Services for the Centre of Excellence for Green Hydrogen at Gandhidham (Kandla), Gujarat.**

Sir,

Deendayal Port Authority intends to appoint technical consultant for the work of "**Request for Proposal (RFP) for Appointment of Consultant for Architectural and Project Management Consultancy Services for the Centre of Excellence for Green Hydrogen at Gandhidham (Kandla), Gujarat**"

In this regard, scope of work, tentative location of the proposed project and Expression of interest along with budgetary-offer as per the prescribed format are enclosed hereby at Annexure A & B.

The rates quoted must be exclusive of GST. The GST applicable shall be shown separately, which shall not be considered for evaluation purposes.

In view of above, it is requested to kindly submit the Expression of interest along with budgetary-offer & same should reach to the following address on or before 18.08.2025.

#### **Address :**

Executive Engineer (C-I),  
303, New Annexe Building  
Gandhidham. PIN 370201.  
Email :constdiv1@gmail.com  
Website : deendayalport.gov.in

Thanking you,

Encl. As above

Yours faithfully,

-SD-

Executive Engineer (C-I)  
Deendayal Port Authority

## **Request for Proposal (RFP) for Appointment of Consultant for Architectural and Project Management Consultancy Services for the Centre of Excellence for Green Hydrogen at Gandhidham (Kandla), Gujarat.**

### **1) INTRODUCTION**

The Deendayal Port at Kandla is situated on the West Coast of India, in the Gulf of Kutch and along the West Bank of Kandla Creek at 70° 13"E longitude and 23° 01"N Latitude. The Port was developed after Independence of India. Deendayal Port Authority (DPA) is in-charge of managing Deendayal Port, a protected natural harbor, situated in the Kandla Creek and is 90 kms from the mouth of the Gulf of Kutch. It was commissioned in the year 1955 with 2 dry cargo berths and was declared a Major Port. The economic hinterland of the Major Port of Kandla comprises of Jammu and Kashmir, Himachal Pradesh, Punjab, Haryana, Delhi, Rajasthan and Western Uttar Pradesh, Madhya Pradesh and Gujarat. The Port is served by broad gauge railway. It is also connected with major cities of India by road through the National Highway No.8A and railway line.

Presently the Port has fourteen cargo berths for handling of dry cargo traffic, 02 Container Berth, Eight oil jetties for handling POL products and other liquid cargo traffic at Kandla within Kandla Creek and three Single Buoy Mooring (SBM) at Vadinar, in Jamnagar District, for handling crude oil. DPA also handles dry cargo at Barge Jetties at Kandla & Tuna. Further, DPA developed Dry Bulk Terminal at Tuna Tekra on BOT Basis under PPP mode, Developing Container Terminal at Tuna-Tekra on BOT Basis under PPP mode & planning to create New facilities of Multipurpose Cargo Berth on BOT basis under PPP mode.

DPA intends to Appoint Consultant for Architectural and Project Management Consultancy Services for the Centre of Excellence for Green Hydrogen at Gandhidham (Kandla), Gujarat.

#### **Site Details:**

Site Location: Vicinity area of Gandhidham (Kachchh), Gujarat – 370201 (IN)

Land Size: 45,000 sq. mt. (approx.)

Built-up Area: 8,000 sq. mt. (approx.)

Structure Requirement: Earthquake-resistant (Zone-5 compliant structure)

### **2) SCOPE OF WORK.**

- 1) Consultant has to carried out soil investigation & Soil Testing Report for proposed location, for designing purpose.
- 2) The consultant has to get approval of drawings from the local development authority i.e. Gandhidham Development Authority (GDA) or necessary statutory permission from relevant organization. DPA will assist for getting approval, if needed and statutory charges for approval will be borne by the port. All the expenses (other than statutory charges) will be borne by the contractor.
- 3) The scope of work of consultant shall be till the complete execution of the Structure and interior work in all respect and getting approval of Build Drawings from competent authority.
- 4) The consultant shall obtain necessary proof check for the detailed structural design and drawings for the work through IIT and getting vetted from Engineer-in-charge

before issue Good for construction drawing at his own cost. All the expenses incurred by the consultant for various activities will be borne by the contractor.

- 5) Consultant has to prepare the block estimate, detailed estimate (as per DPA-SOR, rate analysis & Market Rate) & tender document along with supporting documents i.e. rate analysis etc.
- 6) The changes or modification if such required during later stage which affects/change/modify the design intent shall be done in consultation with concept architect and DPA.
- 7) Consultant shall develop detailed Architectural drawings, structural drawings, services layout drawing as per design, 3D walk through (External covering all the building and internal covering furniture layout and finishes). The scope is not limited to but also includes: -
  - I. To prepare structural designs, drawings for the building, and approval thereof from Competent Authority.
  - II. Necessary Working Drawings for Civil, Architectural, Structural, Interior, Furniture, Sanitary & Water supply system, Fire Fighting system, Land-Scaping, facade, Compound wall, grills, entrance gates, Development of surrounding area, Complete Electrification with CCTV Camera, Electrical and Air-Conditioning etc. are to be Supplied According to the Progress of the Construction Works and suggesting min 3 options of Colour Schemes with material.
  - III. To prepare and review architectural / construction drawings including plan, elevation and cross section, blown up/part details of parts of buildings i.e. toilets, staircase, flooring, ceiling etc. as required to meet design intent.
  - IV. To prepare Phase-Wise Architectural & Structural detailed drawings and Working Drawings in Proper Scale as Necessary for Construction including plans, elevation, cross section etc.
  - V. Necessary Design, suggestions and Drawings for facility of solar to generates electricity in future development.
  - VI. To provide additional copies of drawings as and when required.
  - VII. All Designing as per norms of considering earthquake zone.
  - VIII. Preparation and getting approval of the As-built Drawings from the Competent Authority if some minor modifications are made during the construction works in accordance with the Building Rules.
  - IX. To furnish completion plan of the building including all services on completion of the project along with a complete set of design calculations and structural drawings to form a permanent record for DPA.
- 8) Consultant has to prepare and submit the PERT CHART/ GANTT bar chart/other such documents for monitoring the Project, Quality assurance plan, inspection & testing as per BOQ of work.
- 9) The consultant should advise to DPA & prepare report to achieve NET Zero Energy & Net zero Discharge campus.
- 10) The BIM model for entire campus shall be prepared by consultant as specified in tender.
- 11) Green Building:
  - I. The design/drawings/documents should be prepared to Target highest rating through IGBC/GRIHA i.e. Platinum/5 star.
  - II. Analysis and suggest improvement/ corrections in the MEP/ Other relevant drawings/ documents and draft tender of the subject work for highest rating.
  - III. Preparation, submission & uploading all the documents in accordance with requirements, Documentation shall be supported by drawings, test results, equipment catalogues & calculations.
  - IV. To facilitate the planning team for selection of appropriate energy efficient & eco- friendly technologies, equipment & materials for the building e.g. lighting system, white goods, water treatment technologies, renewable energy, nontoxic paints, rapidly renewable materials, recycled materials, eco-friendly materials etc.
  - V. Preparation of vendors & suppliers list for inclusion in the tender & working out specifications of equipment & materials to suit the GRIHA/IGBC requirement.
  - VI. Develop templates for GRIHA/IGBC calculations to achieve certain points, this includes materials related criteria, construction of waste management at site, energy calculation etc.

- VII. Conduct Solar Path Analysis for each fenestration to achieve the best design. (Shading device, Orientation etc.).
  - VIII. Perform Day light analysis to ensure optimum condition achieved as per the guidelines provided by ECBC 2017 & GRIHA/IGBC rating system.
  - IX. Perform shading Analysis for window-wall ratio, Glass properties (SHGC) & providing recommendations to meet the compliance of ECBC 2007.
  - X. Perform hourly calculations to show that thermal comfort conditions for conditioned as well as non-conditioned area are achieved.
  - XI. Perform Energy Simulation to predict the energy performance of energy system in the bldg. is less than the benchmarked energy performance as prescribed by GRIHA/IGBC/ISHRAE.
  - XII. Submit ECBC Compliance document to show that compliance of mandatory requirement of ECBC are met.
  - XIII. Liaoning and coordinating with GRIHA/IGBC team for registration of Project, uploading relevant documents, responding to queries, observations, modifications and corrections given by GRIHA team within specified time framed and reporting client with latest update.
  - XIV. Acquiring of FINAL POST GRIHA/IGBC Rating certification approval including changes in drawings / design during execution of work.
  - XV. Assist client in finalizing the vendor/procurement of material in line with targeted Rating
  - XVI. All the registration/certification/audit/verification fee to be paid to certifying agency or their representatives shall be borne by contractor.
- 12) The consultant will supervise the construction work at periodical intervals and as and when required, in order to ascertain that the works are carried out generally in accordance with the drawings and specifications.
  - 13) The Authorized Technical Representative of consultant (Architect/Engineer) may approve and certify the quality, standard and specification of the materials supplied.
  - 14) To Coordinate the activities of various works as consultant with the site Engineers, advising the employer for implication for the deviations, materials if any etc.
  - 15) Deploy a full-time 2 nos. qualified Site Engineers (Graduate in Civil Engineering and having minimum 5 years of field experience) for supervision of construction work to maintaining the quality of the work as per provision of relevant IS codes and specifications of work & to provide necessary guidance as required for smooth execution of the work as the cost of the Consultant, additionally A graduate electrical engineer with minimum 5 years of experience in building projects, a qualified green building expert (IGBC-AP/GRIHA-CP/LEED-AP/EDGE-Expert) and ELV Expert/system integrators with an ITIL certification and a minimum of 10 years of experience shall be visiting the site on monthly basis or as & when required. The CVs for all the staff that contractor/consultant wish to deploy on site shall be approved from engineer – in -charge.
  - 16) Prepare and submit completion reports and drawings for the project as required and assist the Client in obtaining "Completion/ Occupancy Certificate" from statutory authorities, wherever required.
  - 17) Certification of completion and assisting in obtaining occupancy certificate in all respect.
  - 18) Consultant has to associate and discuss with port officers from time to time and takes in to account comments, suggestions of Engineer in charge.
  - 19) Consultant shall take all measure to expedite the work as and when necessary, propose alternate methods and solutions to any technical problem that may arise during execution of work.
  - 20) Consultant shall detail out the construction method and sequence of construction during construction stage.

- 21) Consultant should periodically (weekly) inspect the work to ensure proper interpretation of the detail drawings prepared by them and execution of work. Also, from time to time submit a report to the client.
- 22) Get approval of working drawing in time from Competent / applicable authorities, so that the execution of work should not be delayed.
- 23) Co-ordinate and discuss with clients & contractor from time to time before finalization of working / alternative drawings.
- 24) Preparation of structural drawing / Architectural drawings should also ensure minimum variation in the quantity of accepted Tender.
- 25) Preparation of structural and architectural drawings should ensure no change in specification of material considered in accepted tender.
- 26) Before start work Consultant has to submit the detailed schedule and submit all drawings to DPA for approval. The DPA will examine from all aspects including schedule approved by DPA in execution of work and site its approval. The Consultant shall strictly adhere to the approved schedule and drawings.
- 27) In the event if contractor in execution of work fails to adhere to project schedule and complete construction work on specified milestone date the Consultant shall undertake review of project construction and identify potential delay if any. If Consultant shall determine that completion of project is not feasible with time specified in Tender or execution of work it shall require that the consultant indicate within seven days the steps proposed to be taken to expedite the progress and the period within which the project shall be completed.
- 28) If suspension of Construction work is for reasons not attributed to execution contractor, the Consultant shall determine the extension of time or completion to which the contractor executing the work is reasonably entitled and notify to DPA.

### 3) DELIVERABLES:

Task ID	Description	Percentage of lump-sum amount quoted for the respective stages of the scope of Work.	Time periods
<b>I</b>	To Carried out soil survey, necessary testing, finalization of layout & drawings, detailed designing etc.	15%	02 months from issuance of Work order.
<b>II</b>	Submission of Detailed Project Report (DPR)	10%	03 months from issuance of Work order.
<b>III</b>	Submission of Detailed estimate, block estimate & draft tender document	20%	05 months from issuance of Work order.
<b>iv</b>	Bid Process Management / Bid Evaluation Process till award of work a. Preliminary Evaluation report – 03 days from	05%	02 Weeks

	preliminary bid opening b. Technical Evaluation report – 07 days from technical bid opening c. Price bid evaluation report – 04 days from price bid opening		
<b><u>V</u></b>	PMC Work (18 months - original construction period)	For 18 month periods = 36% of awarded cost Monthly Bill shall be 2%	This task will be started from next day of issue of work order up to 18 Month.
<b><u>VI</u></b>	Final bill	14% of awarded cost	Up to 30 Months or release of Final Bill whichever is later.

4) **Schedule:**

The time period for providing Consultancy services shall be 30 Months.

**Annexure-B**

## **BUDGETARY OFFER**

**Subject: Request for Proposal (RFP) for Appointment of Consultant for Architectural and Project Management Consultancy Services for the Centre of Excellence for Green Hydrogen at Gandhidham (Kandla), Gujarat.**

Description of Item	Unit	Amount (in Rs.)	
		In Fig.	In Words
Consultancy Services as per scope of work for architectural work, design, drawing, estimate for "Appointment of Consultant for Architectural and Project Management Consultancy Services for the Centre of Excellence for Green Hydrogen at Gandhidham (Kandla), Gujarat	Lump Sum		

Note: Quote is inclusive of all taxes and duties but exclusive of GST. GST shall be reimbursed on actual basis on production of documentary evidence of payment

**Signature of Technical Consultant with seal**

**Executive Engineer (C-I)  
Deendayal Port Authority**