

APM Terminals Pipavav
GUJARAT PIPAVAV PORT LIMITED

REQUEST for PROPOSAL (RfP)

**Consultancy Service for Redesign of Existing Custom IN-OUT Gate
At APM Terminals Pipavav**

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1. INTRODUCTION

Gujarat Pipavav Port Limited (GPPL) is managed and operated by APM Terminals, the ports and terminals company of the A.P. Moller-Maersk Group. GPPL, a successful public-private enterprise, is emerging as an important gateway port on the West Coast of India for handling Multi Commodities which include Containers, Bulk, Liquid and RoRo cargo.

GPPL has below access control gates/points for Entry & Exit in the Port and Custom Bound Zone (CBZ) area.

For Entry & Exit to the Port:

1. Gate No. 1 (Main Entry-Exit Gate)
2. Gate No. 2 (Towards Rampara village)

For Entry & Exit to Custom Bound Zone (CBZ)

1. Old Custom IN-OUT Gate
2. New Custom IN-OUT Gate

Old Custom IN-OUT Gate is used as the main access point to CBZ area, and all regular operation is routed through this gate only.

New Custom Gate is not open for regular operation and is utilised only for RoRo Cargo movement and emergency services.

Port would like to appoint a design consultant to carry out study of the existing Old Custom IN-OUT Gate operation system and redesign the gate layout to enhance gate management system.

2. OBJECTIVE

The requirement is to carry out a detailed study of the existing Old Custom IN-OUT Gate in terms of existing gate management system, infrastructure, utilities etc. and carry out redesign of the existing gate layout to enhance gate management system considering but not limited to

- un-interrupted traffic flow,
- better access control,
- segregation of man-machine interface and,
- enhanced safety in the gate area, etc.

The study/design needs to provide multiple options which is economical and effective.

3. SCOPE OF WORK

The scope of work for the consultancy service shall include but not limited to the following:

- i. Site visit at the port to review and understand the existing Gate Management system and associated infrastructure, traffic flow, operational requirement, safety and security requirements etc.
- ii. Study and review the requirement of various stakeholder which may consist of:
 - a. Elevated security cabins.
 - b. Illumination in individual lanes.
 - c. Overhead walkway in IN and OUT lane along the complete width of gate
 - d. Signalling system on lanes controlled by security /checker

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- e. Storage room for keeping housekeeping materials
 - f. Bus stop and separate lane for staff Bus & Shuttle Bus up to Bus Stands
 - g. Canopy covering all truck lanes (except OOG lane) with proper illumination
 - h. Common cabin to protect persons from wildlife animals
 - i. CCTV system in all lanes – CCTV access/display to the gate clerk to verify the container number
 - j. Provision of additional lane dedicated for Container and Bulk Operations.
 - k. Provision of bullnose/barriers for Protection from over width truck/cargo before entry point at both sides of the lanes
 - l. Speed breakers at the lane
 - m. Separate cabin for custom officer (in all Entry and Exit Lane)
 - n. Documentation room with racks for safe storage
 - o. Provision for RFID Fixed seal reader
 - p. Sitting arrangement – fix benches for checkers deployed for seal checking and TAG fixing
 - q. Existing setup of radiation detection – Rapiscan, alarm system and other system needs to be maintained
- iii. Develop multiple option considering the requirements from various stakeholder to meet the operational and functionality of the Gate System
 - iv. Preparation of Detailed Architectural drawings and elevations from all sides.
 - v. Carry out detailed structural analysis and preparation of structural drawings.
 - vi. Carry out design for utilities and preparation of required utilities drawing which may include but not limited to water supply, sanitary, electrifications, etc.
 - vii. Preparation of Drawings, Detailed BOQ with cost estimate and technical specification for all works
 - viii. Provide envisaged timelines
 - ix. Preparation of Tender Documents as per APMT guidelines and support during tender process on the technical queries and clarification which may be sought.
 - x. Provide Good For Construction (GFC) Drawings during construction stage and support for technical queries that may arises at during actual execution.

4. TASK/METHOD OF APPROACH

The broad method of approach for the consultancy service is described below:

4.1 *Initiation- (Site visit, data collection and detailed study of requirements)*

Consultant shall visit the site and inspect the area to be developed. During this visit, Construction stage records, and any other relevant data shall be collected. Discussion with GPPL Team shall be held to understand requirement and further considerations.

4.2 *Preparation of Design Basis Report*

The consultant shall prepare and submit Design Basis Report to GPPL for review and approval. Basis approval by GPPL team, the consultant shall proceed for design. The Design Basis Report shall include but not limited to the below:

- a) General Data:

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- i. Design Reference
 - ii. Design Layout
 - iii. Environmental Data
 - iv. Design Approach etc.
- b) Design Load
 - c) Load Combinations
 - d) Design Criteria
 - e) Construction Material
 - f) Capital Cost Estimates – The consultant shall prepare a detailed cost estimate in line with the proposed development scheme. The cost estimate should be in Excel, with clear explanation of quantities, rates & specifications.

4.3 Safety and interface management

The project being a brown field in an operational port, safety is a primary requirement. The proposed design should limit on site work and limit interfaces with the running activities. Consultant to consider the same at the design stage and propose interface management for working on operational areas with necessary safety guidelines.

4.4 Task/ programme sheet indicating the timeline

The consultant shall provide prepare work schedule in line with the proposed development scheme to be submitted to GPPL for review and acceptance in MSP format.

4.5 Preparation of BoQ, Specifications & tender documents

BoQ for the work as per the design and drawings to be prepared. Technical Specifications for the works shall be written in line with APMT guidelines.

4.6 Preparation of Detailed Design Report

Upon acceptance and approval by GPPL Team on the Design Basis Report, the consultant shall prepare the design for review and approval by GPPL team. The report shall include but not limited to the below:

- a) Design Reference
- b) Design Loads
- c) Design Layouts
- d) Load Combinations
- e) Computer Programme
- f) Materials etc.

5. DELIVERABLES

Consultant to submit below deliverables:

1. Preliminary Concept Design with layouts options and architectural views from all side
2. Design Basis Report
3. Detailed Design Report with design drawings

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4. Technical Specifications
5. Detailed Bill Of Quantities with working details
6. Cost Estimate with supporting rate references etc.
7. Tender Documents including Specifications, Tender drawings, etc.
8. Good for Construction drawings (during construction stage)

6. SERVICE AGREEMENT

All the terms and conditions will be as per APMT standard Services Agreement (2014) as attached. All information contained in this request for proposal shall be considered privileged property of APMT.

APMT reserves the right, at its sole discretion, to reject any or all proposals. APMT reserves the right to perform some but not all of the tasks requested in your proposal. All proposals would become the property of APMT and will not be returned.

7. PROPOSAL SUBMISSION

In accordance with the letter of invitation, a Technical and Financial proposal is required.

7.1 Technical Proposal

This Technical proposal shall include the following:

- a) background and experience of the Consultant in this class of work.
- b) a technical Method Statement identifying the scope of work required to achieve the stated objectives and details of the activities to be carried out.
- c) nominations for the staff who will do the work along with CVs.
- d) a programme for the work in MSP format.
- e) detailed work package planning in the form of a Staff Activity matrix.
- f) details of the QA system to be adopted.
- g) a financial proposal in the form set out below.
- h) Details of any sub-consultancy and/or joint venture arrangements along with a clear statement as to the contracting party.

Any obligation not included in the fee proposal will be priced by GPPL and this price will be used for adjudication purposes. The proposal is to be valid for 90 consecutive days from the date of submission of the RFP. GPPL is not bound to accept the lowest or any offer made. The costs of preparing and submitting the offer are entirely to the Consultant's account.

7.2 Financial Proposal

Consultants shall submit the fee proposals with stage wise of the work. The fee schedule shall establish a milestone payment schedule. Invoices will be submitted at each milestone.

Rates and prices are to be quoted in INR. Payment will be made in INR.

All rates and prices quoted shall exclude GST which shall be added to invoices at the appropriate rate.

7.3 Timeline

The proposals must be submitted to GPPL via the APMT's e-sourcing platform within 3 weeks of the receipt of the RFP.

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The consultant shall put forward a draft report with proposed options with block costing in 6 weeks' time. Thereafter the consultant shall undertake detailed study of the approved option by GPPL and the same be submitted in 3 weeks.

Submission of Report: Final report shall be submitted with a presentation to senior management team of GPPL within 10 (ten weeks) from the date of issue of Letter of Acceptance.

8. LOCATION DETAILS

Pipavav is located in the state of Gujarat, 152 nautical miles northwest of Mumbai (less than ten hours steaming time) on the west coast of India. Approximately 140 kilometres southwest of Bhavnagar, it is situated at a latitude of 20°54'N and a longitude of 71°30'E.

Nearest Airport: Bhavnagar (136 km), Diu (85 km), Rajkot (203 km), Ahmedabad (321 km)

Nearest Railway Station: Bhavnagar (136 km), Rajkot (203 km), Ahmedabad (321 km)