

REQUEST FOR PROPOSAL:

Consultancy for Formulation of  
Environmental Impact Assessment (EIA) for  
the Redevelopment of Kahdhoo  
International Airport in the Republic of  
Maldives

## INTRODUCTION

The Government of Maldives plans to Redevelop Kahdhoo Airport to modern standards, capable of catering to wide body aircraft from international destinations and providing high quality guest services to visitors. Kahdhoo International Airport is located in south central Maldives, and is an important airport for both locals and visitors. Tourists bound for resorts and guesthouses in the atolls are flown in almost daily, while residents in the region also depend heavily on the airport, particularly those travelling to the capital city Male'. Therefore, it is of utmost need to Redevelop & upgrade the existing Airport facilities to a World Class & State of the Art Infrastructure.

Accordingly, the Ministry of Economic Development (MED) as the Proponent for this project is seeking assistance of a qualified and competent individual consultant / consultancy firm for preparing the Environmental Impact Assessment for reclamation and shore protection work required for the Redevelopment of Kahdhoo International Airport in the Republic of Maldives.

## Proposal Submission

1. Closing Submission Date: Proposals must be submitted on 06<sup>th</sup> March 2023 at 12:00 hrs
2. Inquiries: Inquiries concerning this RFP should be sent by e-mail to:  
procurement@trade.gov.mv
3. Conditions of Proposal: All costs incurred in the preparation of a proposal responding to this RFP will be the responsibility of the applicant and will not be reimbursed by Ministry.

## Instructions to Prospective Consultants.

1. The applicant's proposal should be submitted in a sealed envelope clearly marked in the lower left-hand corner with the following text:  
*Request for Proposal: Consultancy for Formulation of Environmental Impact Assessment (EIA) for the Redevelopment of Kahdhoo International Airport in the Republic of Maldives*
2. All proposals shall be sealed. Failure to do so may result in premature disclosure of your proposal.
3. It is the responsibility of the Applicant to ensure that the proposal is received by the Ministry, by the date and time specified above. Late proposals will not be considered.
4. Right to Reject. Ministry reserves the right to reject any and all proposals received in response to this RFP.
5. A contract for the accepted proposal will be drafted based upon the factors described in this RFP.
6. Notification of Award. It is expected that a decision selecting the successful Consultant will be made within one (1) week following the closing date for the receipt of proposals. Upon conclusion of final negotiations with the successful Consultant(s)/ Firm, all Applicants submitting proposals in response to this Request for Proposal will be informed in writing, the name of the successful Consultant(s)/ firm.

## ELIGIBILITY CRITERIA

The following staff member(s) will be required for the assignment.

Position	Qualification	Quantity
EIA Consultant	Registered EIA consultant at the Environmental Protection Agency of the Maldives	1

*\*The proposed consultant must meet the criteria given in Environment Impact Assessment Regulation, 2012.*

## SUBMISSION REQUIREMENTS

To be eligible for this assignment, the consultant/firm should submit the following documents

- EIA License copy
- Financial proposal/ Quotation
- CV of the consultant
- Work schedule
- Company registration / Sole Proprietorship certificate\*
- GST registration\*

*\*If applicable*

## EVALUATION CRITERIA

The Bid Evaluation Committee will review proposals and make recommendations to the Tender Agency Committee of the Ministry for final approval.

The consultant(s)/firm will be evaluated based on the following criteria

Consultant's Qualification and Experience [100]

Criteria	Weightage
Registered EIA consultant at the Environmental Protection Agency of the Maldives [Minimum requirement]	Required
Price <i>(Lowest proposed total price/ particular bidder's proposed total) X (total points)</i>	80
Duration* <i>(Lowest proposed delivery period/ particular bidder's proposed delivery period) X (Total Points)</i>  <i>*Maximum duration 60 days. Consultants who propose a duration more than 60 days will be disqualified.</i>	20
<b>Total</b>	<b>[100]</b>

The Bid Evaluation Committee may request a meeting with some qualified Applicants prior to final selection.

## PRICE SCHEDULE

#	Component	Price
1	EIA Report	
2	Bathymetry Survey	
3	Topography Survey	
4	Geotechnical Survey	
5	Sand search campaign	
	<b>Sub-Total</b>	
	<b>GST</b>	
	<b>Total</b>	

## TERMS OF REFERENCE

Outline Terms of Reference for Selection of Consultant to undertake the preparation of Environmental Impact Assessment (EIA) for the reclamation and shore protection work required for the Redevelopment of Kahdhoo International Airport in The Republic of Maldives.

## SCOPE OF WORKS

With regard to the proposed works (Annex 1) of the Redevelopment of Kahdhoo International Airport in the Republic of Maldives, this tendered assignment includes:

- Undertake the application process for the EIA
- Undertake the scoping
- Undertake the required field data collection and surveys as necessary including, but not limited to bathymetry, etc.
- Carrying out geotechnical investigation
- Preparation of the Environmental Impact Assessment report, in accordance with the EIA regulation 2012. The following chapters are recommended to be included;
  - a. Introduction
  - b. Environmental and Social Baseline
  - c. Identification and evaluation of environment and social related risks, constraints and opportunities
  - d. Identification and evaluation of impacts
  - e. Assessment of identified risks and impacts and proposed mitigation measures
  - f. Stakeholder engagement
  - g. Conclusion and Recommendation
  - h. Any other areas identified in the approved Terms of Reference issued by EPA
- Submission of a draft report to the Ministry prior for EPA submission
- Undertake submission and provide clarifications and/or additional information as necessary to queries from EPA for the EIA report
- Provide all the raw data collected to the Ministry
- Should undertake the fees due to Environment Protection Agency (express route for reviewing within 5 days)

## DELIVERABLES

The Consultant is required to submit the following

1. Draft EIA report – maximum 30 days
2. Final EIA report with decision statement - maximum 45 days
3. Survey Reports (Bathymetry and Topography)
4. Geotechnical Survey Report (4 location on land and 3 locations offshore along the fuel jetty)
5. Sand search campaign report
6. Raw Data sets
7. Should undertake the fees due to Environment Protection Agency

## PAYMENT

Payment will be issued as per the following table

No.	Description	Allocation
1	<ul style="list-style-type: none"><li>ToR approval from EPA</li></ul>	10% of price quoted for EIA Report in the Price Schedule
2	<ul style="list-style-type: none"><li>Submission of EIA report to EPA</li></ul>	30% of price quoted for EIA Report in the Price Schedule
3	<ul style="list-style-type: none"><li>Approval of the EIA report by EPA</li></ul>	60% of price quoted for EIA Report in the Price Schedule
4	<ul style="list-style-type: none"><li>Survey Reports (upon submission of final reports )</li></ul>	As quoted in the Price Schedule

**Advance Payment:** There is no Advance Payment for this project

**Delays:** A penalty of 0.25% per day of delay up to 10% of the contract value, shall be charged in the specific component on event the Consultant fails to deliver on time the deliverables

# ANNEX 1: PROJECT DETAILS

## PROJECT REQUIREMENTS & SCOPE OF WORK

### Background

The Government of Maldives plans to redevelop Kahdhoo Airport to modern standards, capable of catering to wide body aircraft from international destinations and providing high quality guest services to visitors. Kahdhoo International Airport is located in south central Maldives, and is an important airport for both locals and visitors. Tourists bound for resorts and guesthouses in the atolls are flown in almost daily, while residents in the region also depend heavily on the airport, particularly those travelling to the capital city Male'. Therefore, it is of utmost need to Redevelop & upgrade the existing Airport facilities to a World Class & State of the Art Infrastructure.

Kahdhoo Airport is operated by Kahdhoo Airport Company Limited (KACL), which is a Government-owned limited liability company incorporated in the Maldives. Board of Directors are appointed by the Government and the company is subject to corporate governance standards prescribed by the Privatization and Corporatization Board. Operation control of the facility is handled by the Ministry of Defence.

The purpose of the company is to develop and operate a dual-purpose airport for civil and security sector aviation purposes and to develop and operate other related commercial businesses. Runways and other aeronautical services of the airport are shared with the military.

### Objective

The objective of the project is to Redevelop Kahdhoo Airport with Facilities and Infrastructure to cater international flights to Code 4C Operations in the Aerodrome for Phase I and with provisions for Upgradation to Code 4E Operations in Phase II. Through this project, Laamu Atoll will be transformed into the travel and trade hub of the South Central region of Maldives with Kahdhoo as the gateway. An international airport with a 2,400m long and 45m wide runway will directly connect the South Central Region of Maldives with the rest of the world. Development of the airport will be phased to optimize revenue generation and make investing a demand driven process. The project includes Redevelopment of Airside Infrastructure, Landside Infrastructure and construction of a Passenger Terminal Building & Sea Terminal along with support ancillary buildings. The key objective of Government of Maldives for the project is upgradation of transport & connectivity facilities for Kahdhoo and nearby islands. The redevelopment of the Kahdhoo Airport will provide the foundation for improved connectivity, strengthen the push for decentralization and increased regional economic integration.

### Present Scenario of Kahdhoo Airport

Kahdhoo Airport (IATA: KDO, ICAO: VRMK) is an airport located on the island of Kahdhoo in Laamu Atoll, Maldives operating as a domestic airport. The existing Airport facilities at the airport is sub-par and the support services of the airport require upgradation as the present infrastructure and equipment is old and outdated. Operationally the airport is not matching to international standards, such as check-in facilities and luggage transfer being labour intensive and time consuming. The current design of the terminal buildings constricts the expansion of the airport to support higher volume of passengers and cater to multiple flights. The runway length is not appropriate for wide body aircraft operations.



## Site Introduction & Existing Infrastructure

Maldives, officially the Republic of Maldives, is a small archipelagic island country in South Asia, situated in the Arabian Sea of the Indian Ocean. It lies southwest of Sri Lanka and India, about 700 kilometers (430 mi) from the Asian continent's mainland. The chain of 26 atolls stretches from Ihavandhippolhu Atoll in the north to Addu Atol in the south to the Equator. Malé is the capital and the most populated city, traditionally called the "King's Island" where the ancient royal dynasties ruled for its central location.

Kahdhoo is one of the connected islands of Laamu Atoll administrative division and geographically part of Haddhunmathi Atoll in the central region of the Maldives. To the north and south, Kahdhoo is connected to two population centers. On the south, just five minutes of drive from Kahdhoo is Fonadhoo, which is the administrative capital of Laamu Atoll; and 15 minutes of drive to the north is Gan Island, commercial hub of the Atoll.

Existing Airport has an elevation of 4 feet (1.2m) from mean sea level (MSL). It has one runway designated 03/21 with a bituminous surface measuring 1,220 by 30 metres (4,003 ft × 98 ft).[2] Airport apron is 105 m x 22 m. Currently, 2B/2C ATR type aircrafts can only be operated in this airport.

## Project Outline and Scope

### Major Components

#### *Stage 1 – Reclamation and Shore Protection*

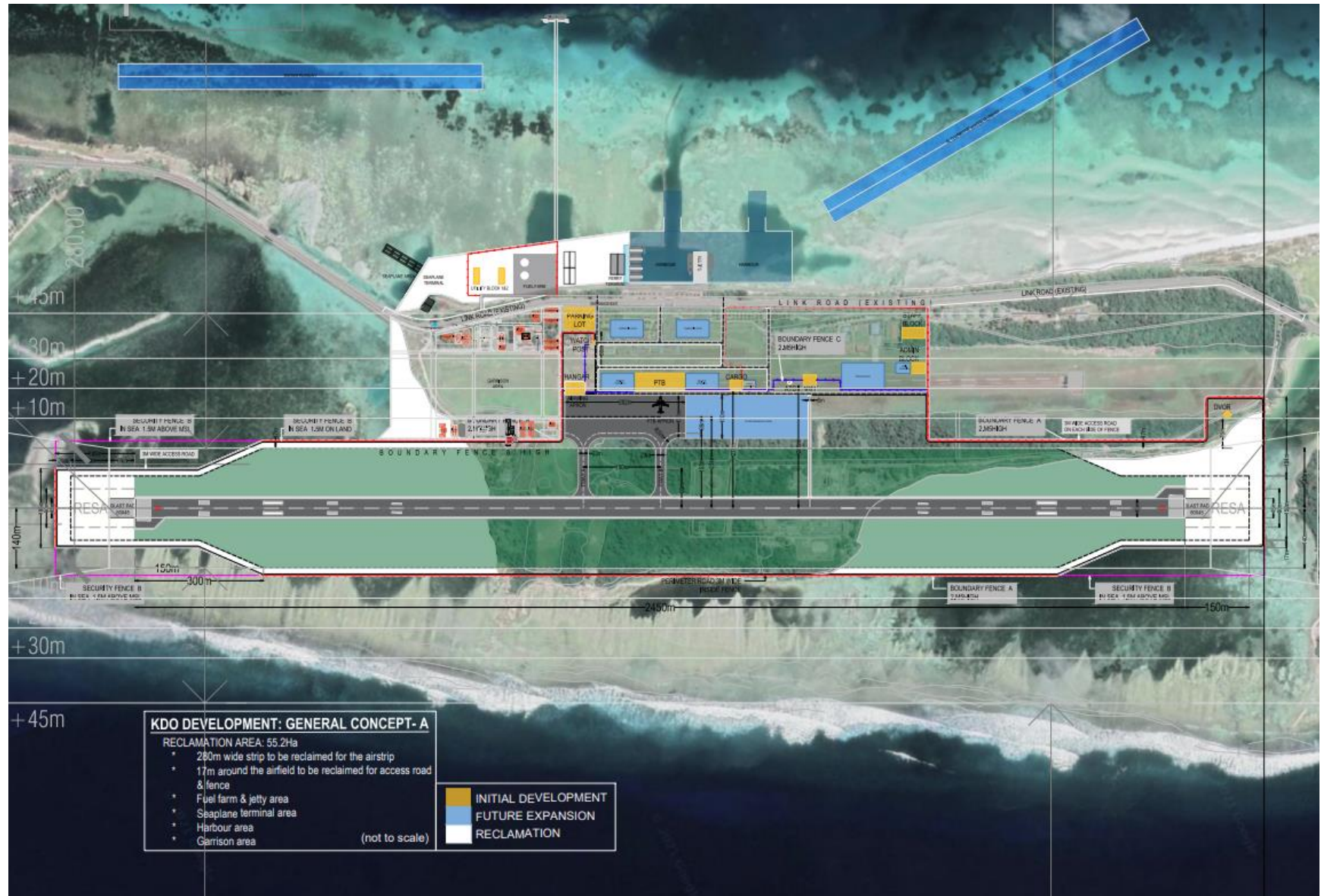
1. Reclamation – 57.6 Hectares
2. Shore Protection
  - a. Sheet Piling – 741 m
  - b. Rock boulder Revetment – 4,106 m

#### *Stage 2 – Airport infrastructure development*

Given below are the major components of Kahdhoo Airport development project

1. Runway of 2450 x 45m
  - a. Type of Operation: 4C Only (B 727, B737, MD-80)
  - b. Type of Landing: Non-Precision Approach System Only
  - c. ANS / AGL System: To cater night-time landing
  - d. Apron, Taxiway, Turn pad, Blast pad, RESA
2. Passenger Terminal Building able to cater peak hour passenger capacity of 600 PHP (400 Domestic + 200 International)
3. Seaplane Terminal Building
4. Air Traffic Control tower and ARFF Block
5. Harbour, supply, and passenger jetties
6. Fuel farm and jetty
7. Cargo complex
8. Roads and utilities
9. Vehicles, machineries, and equipment
10. Airport operational boundary wall

# Development Concept (Attached)



Reclamation Plan (Attached)

