



# REQUEST FOR BID

## CONSTRUCTION OF SEAPLANE SERVICE BUILDING FOR ENG STORE AND GROUND OFFICES AT VELANA INTERNATIONAL AIRPORT

<b>Bid Number</b>	31/2021	<b>EOI Registration Date</b>	Before 12 <sup>th</sup> December 2021 at 10:00 hrs
<b>Bid Announcement Ref</b>	IAS/MIS/2021-1982	<b>Information Session Date and Place</b>	<ul style="list-style-type: none"><li>• 13<sup>th</sup> December 2021 at 11:30 hrs.</li><li>• M.Dar-Al-Eiman Building, Majeedhee Magu, K.Male', Maldives</li></ul>
<b>Bid Submission Date</b>	30 <sup>th</sup> December 2021, at 11:30 hrs.		
<b>Bid Submission Address</b>	M.Dar-Al-Eiman Building, Majeedhee Magu, K.Male', Maldives		

Island Aviation Services Ltd. is seeking bids for the service specified in this document. Interested bidders are invited to submit their proposals for the supply of the goods and services as instructed in this document. Please ensure that all submissions comply with the instructions. Failure to comply with the instructions may result in disqualification of the bid.

**DECEMBER 7, 2021**

ISLAND AVIATION SERVICES LIMITED

M.Dar-Al-Eiman Building | Majeedhee Magu | K.Male' | Maldives

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## 1. Invitation to Bid

### SUMMARY

IASL is the National Airline of the Republic of Maldives and is wholly owned by the Government of Maldives. In addition to Air Transport Services, IASL offers various other aviation related services such as Air Cargo, Airport Management, Aircraft Engineering, and Ground Handling Services.

IASL is seeking for a suitable party for the Construction of Seaplane Service Building for Engineering Store and Ground Offices at Velana International Airport.

Island Aviation Services invites sealed bids valid for 90 days from the date of opening the bids from Maldivian / International companies, for procuring requirement as per attachment. All bidders are advised to study the Bid Document carefully.

## 2. Information for Bidders

### 2.1. Goods / Services Required

#### **CONSTRUCTION OF SEAPLANE SERVICE BUILDING AT VELANA INTERNATIONAL AIRPORT**

### 2.2. Eligible Bidders

**The Bidders must submit relevant documents as per below details.**

- a) Bidder must be a Business Entity providing such goods and services as attachment.
- b) If the bidder is a Maldivian Firm, they must have its own operational office at Maldives and registered with Maldives Inland Revenue Authority (MIRA) and submit below documents:
  - a. Company Registration Certificate
  - b. GST Registration Certificate
  - c. Audited Financials (last 3 years)
- d) The Application must be submitted in English language. All required information must be provided, responding clearly and concisely to all the points set out. Any application which does not fully and comprehensively address this Request for Proposal may be rejected.

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### 2.3. Guideline for BID Submission:

Bidders are required to attend the information session as per below details.

#### 2.3.1. INFORMATION SESSION

<b>Date of Information Session</b>	<b><u>13<sup>th</sup> December 2021, at 11:30Hrs</u></b>
<b>Venue For Information Session</b>	Island Aviation Services Ltd (Head Office), M.Dar-Al-Eiman Building, Majeedhee Magu, K.Male', Maldives.

#### 2.3.2. SITE VISIT

<b>Date of Site Visit</b>	Date and time of site visit shall be disclosed to all parties that attend the information session.
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An information and site visit session shall be conducted for all parties, kindly note that attendance for both the mentioned sessions are **mandatory** and Bids will not be accepted of any party that does not attend these sessions on time.

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## 2.4. Bid Submission

<b>Venue for Bid Submission</b>	Island Aviation Services Ltd (Head Office), M.Dar-Al-Eiman Building, Majeedhee Magu, K.Male <sup>1</sup> , Maldives.
<b>Date and Time</b>	<p style="color: red; text-decoration: underline;">30<sup>th</sup> December 2021, at 11:30Hrs</p> <p><b>No party will be allowed after the mentioned time.</b></p>

## 2.5. Documents Required with Proposal

The Bid Proposal Document **must** comprise of the following:

<b>Cover Letter</b>	The cover letter for the proposal must be signed by an authorized person who has the authority to bind the Proposal to a Contract;
<b>Company Profile</b>	Profile of the Firm including the firm's shareholding structure and details;
<b>Project Cost and Payment Terms</b>	<ul style="list-style-type: none"> <li>The Project Cost and Payment Terms and arrangements quoted in Maldivian Rufiyaa (MVR) inclusive of all taxes.</li> <li>Proposal must remain valid for a period of <b>90</b> days after the date of Proposal Submission.</li> </ul>
<b>Financial Capacity and Relevant Experience</b>	<ul style="list-style-type: none"> <li>Provide last 3 years' financial statements (audited) to indicate financial strength of the company to execute a project of this nature.</li> <li>List of experience in similar projects with letters of completion. If past experiences are not accompanied with an official letter of completion by the client, marks will not be awarded to that section.</li> </ul>
<b>Related Party Disclosure (Form A)</b>	The form serves to justify that the bidder has or does not have any relationship in terms of employment or close family relationship. Close family relationship here refers to spouse, including former spouse relatives, which comprise: siblings; cousins; uncles and aunts; nephews and nieces; lineal ancestors (presumably, it means parents, grandparents and other ancestors of direct lineage) lineal descendants (children, grandchildren and other direct descendants).

- a) Island Aviation Services Ltd reserves the right to reject a Proposal in the following circumstances:
  - i. If less than two total bids have been received, the IASL reserves the right to continue or reject the evaluation or request for a resubmission.
  - ii. If any of the required documents mentioned in section 2.5. Is not submitted by a party, IASL has the right to reject the BID or request for a resubmission.
- b) Proposals shall be evaluated in accordance with the Party's demonstrated capacity and experience and expertise. The awarding criteria and weightage will be annexed to this document.
- c) Parties shall bear all costs associated with the preparation and submission of the Application and Island Aviation will not in any case be responsible and liable for the costs incurred.
- d) All information given in writing to or verbally shared with the Party's in connection with this Request for Proposal is to be treated as strictly confidential. The Party's shall not share or invoke such information to



any third party without the prior written approval of IASL. This obligation shall continue after the procurement process has been completed whether the Party is successful.

- e) All materials submitted in Response to the Request for Proposal shall become the property of IASL. Proposals and supporting materials will not be returned to the Party.
- f) All information provided will be subjected to verification by IASL. Submission of incomplete or unsigned forms may result in rejection of the bid as non-responsive.
- g) IASL will only accept one bid document from every bidder.
- h) To assist in the evaluation and comparison of bids, IASL may, at its discretion, request any bidder for clarification of its bid. This will be clarified in writing, but no change in substance or price of the bid will be sought.
- i) IASL will evaluate and compare only those bids determined to be responsive in accordance with requirements specified in the bidding document.
- j) IASL will award the contract in writing to the bidder who scores the highest marks in compliance with the criteria decided by the Bid Evaluation Committee.
- k) Upon furnishing by the successful bidder, IASL will promptly notify the other bidders through telephone or email that their bids have been unsuccessful.

## 2.6. Evaluation Criteria

IASL intends to apply the following criteria for the selection of bids. The Bid will be evaluated by the Bid Evaluation Committee of IASL. Points will be given to proposals according to the evaluation criteria below.

Category	Details	Points
<b>Price Offered</b>	Each bidder's price is used to identify their relative position on a 0 – 50 price scale. This is done by allocating the lowest priced qualified bid 60 points and scaling-down the remaining bidder's score in relation to this, based on the price proposed by the bidder.  <i>Price percentage = 60 x (lowest price / quoted price)</i>	<b>50</b>
<b>Strength/Reliability</b>	Marks will be awarded under criteria for Strength/Reliability considering the submitted Audited financials for the latest three years. Staff strength (please fill the provided sheet) (5 marks) Machineries list (please fill the provided list) (5 marks)	<b>15</b>
<b>Relevant Past Experience</b>	Letters from clients stating the successful completion of similar Projects	<b>15</b>
<b>Delivery</b>	Duration from execution to completion. (timeline)	<b>20</b>

**NOTE:**

1. Letters from clients stating the successful execution of similar projects or evidence of similar projects is required to attain marks for the "Past Experience" category.

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### Anexxure-1

#### CONSTRUCTION OF SEAPLANE SERVICE BUILDING FOR ENG STORE AND GROUND OFFICES AT VELANA INTERNATIONAL AIRPORT

Scope of work

BOQ

Drawings

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1. General Requirement of the Project.



## SCOPE OF WORK

## FOR

**CONSTRUCTION OF SEAPLANE SERVICE BUILDING FOR ENG STORE  
AND GROUND OFFICES AT VELANA INTERNATIONAL AIRPORT**

**NOV 2021**

Ismail Agleem / Manager Projects



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**Content**

- a. Background and Purposes
- b. General
- c. Procedurals & Instructions
- d. Worksite guideline
- e. BOQ
- f. Drawing / construction plan

**a. BACKGROUND AND PURPOSE**

1.1 Island Aviation Service Ltd. has a requirement to construct Seaplane Service building for Engineering stores and Ground offices at Velana International Airport Maldivian Seaplane Facilities.

**b. GENERAL**

- 1.1 The Contractor shall provide personnel, material, equipment, and supervision to complete the technical requirements in this scope of work. The contractor shall be responsible for hiring labor, equipment vendors and shall follow safety and security directives.
- 1.2 The Contractor shall not be admitted to areas of the property outside the areas designated for the project except with permission. The Contractor shall address the impact of the consequent disruption caused by the proposed work.
- 1.3 The Contractor shall always clear the work site upon completion of work and remove any excess material immediately from the site and maintain cleanliness.
- 1.4 Required measurements shall be taken during the Site visit.
- 1.5 All finishing materials shall be approved by employer prior installation.
- 1.6 Nor variations will be accepted without approval from the employer and any alteration made without approval shall be rectified without any cost.

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## c. PROCEDURALS & INSTRUCTIONS

### CONSTRUCTION OF SEAPLANE SERVICE BUILDING FOR ENG STORE AND GROUND OFFICES AT VELANA INTERNATIONAL AIRPORT

Nov 2021





## Section 1 - Scope of Works

The contractor shall carry out the following works

- Site Management
- Site Preparation
- Clean-up
- Ground works
- Concrete Works
- Masonry
- Wall cladding and roofing
- Plumbing
- Electrical wiring & network wiring
- Doors and Windows and metal gate fabrications and installation
- Air conditioning

The contract comprises the provision of labor, materials, tools, transportation, instrumentation and all things necessary to construct the permanent works in accordance with the contract drawings and to the quality standards set in the contract specifications, inclusive of material and performance tests where these are specified.

The Contractor shall submit in the tender that the method of working, equipment and program which are compatible with constructions aligned with the technical specifications mentioned in this scope. The reliance being placed upon the Contractor shall be deemed to be in respect of the Contractor's skill, care and diligence as an experienced contractor executing workmanship and not in respect of any design expertise the Contractor may possess.

The following points shall also be taken into consideration by the contractor

1. All foreign employees must possess valid work permit. And shall obtain security clearance by Aviation Security Command.
2. All employees of the contractor shall wear a uniform outfit or at least safety vest visible with contractor's label to ensure authorized access for the safety of both employer and the contractor.
3. All material to be used shall be presented before commencement and nor substitution will be allowed prior approval.
4. All wiring and electrical fittings shall comply latest British Standards.
5. Comprehensive work schedule with daily tasks including timing which will be carried on a sequence that does not interrupt daily operation shall be presented prior commencement to circulate through airport operational authorities.
6. If the quality workmanship is below the acceptable standard, the contractor shall rectify the situation



to the satisfaction of the employer at his own expense

7. Electricity and water required for the project will be supplied by the employer.
8. It is contractors' responsibility to obtain all the permits required (from regulatory authorities' service providers etc.) for construction.
9. Toilets at passenger terminal will not be allowed for contractor's employees.
10. Any damage to adjacent wall/partition/panels or wirings and installation at site shall be rectified on contractors' cost. Any contingencies shall be taken in to consideration during construction.
11. As build drawing of partition and wiring shall be submitted upon completion of said work
12. The metric system of units shall be used throughout.

## Section 2 - General Requirements

### 2.0 General Requirements

#### 2.1. General

The Conditions of Contract, Bill of Quantities and the Detailed Drawings shall be read in conjunction with the Specifications Matters referred to, shown or described in any one of these documents are not necessarily repeated in others. Notwithstanding the subdivision of the specifications in various headings, every part is to be deemed supplementary to every other part and various parts are to be read with each other, so far as it may be practical to do so or when the context so warrants.

#### 2.2. Standards and Workmanship

In various places throughout this specification and the Bills of Quantities reference is made to the Standards if applicable. If any standard is mentioned in any product/material, such shall be approved prior commencement of procuring process. Any product/material, which standard or specification is mentioned and not available in the market, such shall be submitted to the employer for approval.

#### 2.3. Drawings and Specifications

*Drawings:* Drawings and Specifications are intended to complement each other, so that if anything is shown on the Drawings, but not mentioned in the specifications or vice versa, it is to be furnished and built as though specifically set forth in all three. If any discrepancies, errors, ambiguities or omissions occur in the Drawings or Specifications, the same shall be referred to the Employer before proceeding with the Works, and the Employers representative decision on such discrepancies, errors, ambiguities or omissions shall be final in writing.

*Specifications:* In addition to the Drawings, BOQ and Specifications attached hereto, the Employer will during the progress of the Works furnish additional Drawings, Specifications, and instructions as may be necessary, in the opinion of the Employer, for the purpose of the proper and adequate execution and maintenance of the Works, and the Contractor shall make his work conform to these. Such drawings and instructions shall be deemed to be part of the Contract Documents.



#### **2.4. Transportation to the Site**

The Contractor shall provide all necessary transport, handling and storage of all materials, components and the like to their points of installation on site including transport to and from storage. The Contractor shall provide all necessary transport of labour to and from the site. The contractor shall use routes specified by the island authorities for transporting heavy and oversized goods to the site.

#### **2.5. Schedule and Execution Plan**

The Contractor shall prepare and submit to the Employer for approval the construction schedule and an execution plan of temporary facilities, stock yards, etc., before the start of the Works.

#### **2.6. Repairing and Correction**

Any breakage(s) or defect(s) of existing buildings, roads utilities, or part(s) of them caused by the Works including transportation for the works shall be repaired or corrected by the Contractor with his responsibility.

#### **2.7. Materials, Goods and Workmanship**

Materials, goods and workmanship shall be of the best quality of their respective kinds and, as far as applicable, shall comply in every respect with the requirements of the quoted Standards, Codes of Practice and Specifications or any other National Standard approved by the Employer. Preambles and descriptions of materials, goods and workmanship given in any one section of the specifications shall apply throughout the whole of these specifications unless otherwise described. The substitution of materials, goods, workmanship and the like from that specified shall only be permitted with the written approval of the Consultant.

All workmanship shall be of the best standard. All goods and materials to be incorporated in the Works must be new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract.

#### **2.8. Samples**

The Contractor shall furnish for approval with reasonable promptness, all samples as directed by the Employer. The Employer shall check and approve such samples with reasonable promptness only for conformance with the design concept of the Works and for compliance with the information given in Contract Documents. The work shall be in accordance with the approved samples.

All samples shall be delivered to the Employer with all charges in connection therewith paid by the Contractor and deemed to be included in the contract price.

Duplicate final approved samples, in addition to any required for the Contractor's use, shall be furnished to the Employer, one for office use and one for the Site.



Samples shall be furnished so as not to delay fabrication, allowing the Employer reasonable time for consideration of sample submitted.

Each sample shall be properly labelled with the name and quality of the material, name of the project, the Contractor's name and date of submission, and the specification article number to which the sample refers.

## **2.9. Ordering Materials**

The Bills of Quantities shall not be used as a basis for ordering materials and the Contractor is entirely responsible for assessing the quantities of materials to be ordered. Upon receipt of the Employer's order to commence the Works, the Contractor shall immediately place orders for all required materials and will be held responsible for any delays occurring due to the late placing of such orders. Prior to finalizing material orders, the Contractor shall advise the Employer and await the Employer's written approval to complete the same. The Contractor shall pay all expenses, taxes and dues etc. incurred on the procurement of materials from abroad.

## **2.10. Protection**

The Contractor shall have the Works and adjoining properties protected from inclement weather. Any loss or damage caused by weather, carelessness or lack of skill of workers, accident or otherwise shall be of such property that is affected. The Contractor shall provide all necessary dust sheets, barriers and guard rails and clear away at completion.

The work shall be suspended for such time as may be directed and/or approve by the Consultant if the specified quality of work is difficult to maintain during inclement weather.

## **2.11. Cutting and Patching**

The Contractor shall be responsible for all cutting and patching and making good required for all trades for all work and his prices will be deemed to include for all such cutting and patching and making good.

## **2.12. Electricity for the Works**

The Contractor shall make all necessary arrangements and provide all artificial lighting and power (maintaining a generator if necessary) for the proper execution and security of the Works and its protection, with all meters, temporary wiring and fittings, pay all charges and alter adapt and maintain the temporary work as necessary and remove and make good at completion.

## **2.13. Working Platform**

Any temporary platforms shall be secured and safe and shall be covered with safety nets where necessary to avoid falling objects. Temporary platforms shall not be moved without proper footing and sliding equipment's and shall avoid any scratches at the floor and sidewalls or any damage to the surrounding.

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#### **2.14. Interference with Access to Properties and Apparatus**

Before interfering with access to any property, the Contractor shall make adequate alternative arrangements for the occupiers.

The Contractor shall not obstruct access to any apparatus or utilities of any service or utility.

#### **2.15. Procedure for Complaints and Damage Claims**

Details of complaints received by the Contractor as a result of work he is carrying out shall be passed to the Employer without delay. The Employer shall likewise pass to the Contractor details of complaints, which may be submitted directly to him.

A similar exchange of information shall be made in relation to all claims and intended claims, which may be received.

#### **2.16. Protection against Damage**

The Contractor shall avoid causing unwarranted damage to streets, pathways, land, property, trees and other features. He shall deal promptly with any complaints from owners or occupiers.

The Contractor shall avoid damage to apparatus or utilities of other undertakers, and shall temporarily support or work around any such apparatus, which crosses or runs alongside his works. In the event of damage, the Contractor shall notify the Employer and the Undertaker.

#### **2.17. Apparatus of Statutory Undertakers**

The Contractor shall liaise with all relevant statutory Undertakers before commencing any demolition, and shall satisfy himself of the exact position of existing apparatus, which may be affected by the works.

The Contractor shall notify the Employer in advance of any diversion or removal of apparatus or utilities required for his own convenience or proposed method of working and shall comply with any requirements of the Employer with respect to them.

#### **2.18. Work Standard**

Works should be carried out according to professional standard acceptable to Employer. The contractor shall reimburse Employer the cost of material lost or damaged due to faulty installation within the warranty period mentioned in the contract.

Risk management is the identification, measurement and economic control of risks. A qualitative assessment of risk is essential in order to gain an appreciation of the relative importance of the various issues and to determine a risk management strategy during the demolition and construction.



### 2.19. Tidiness of the Site

The Contractor shall be responsible for the proper up keeping and maintenance of the site and the works and shall remove from the site rubbish and other waste as it accumulates. Materials and equipment shall be positioned, stored and stacked in an orderly manner.

### 2.20. Care of Works

The Contractor shall take all necessary and reasonable precautions to protect the existing utilities, properties, and structures etc. in which his is carrying out his activities and make good, at his own cost, any loss or damage that he might cause.

### 2.21. Security

The contractor shall ensure that the site is secure during the period of work and shall be liable for any loss or damage sustained as a result of their failure to comply with this condition.

Where the works are in close proximity to passenger movement, walls or other existing structures, the contractor shall take adequate measures to prevent any damage. In addition, before commencing work the Contractor shall submit details in writing of his proposed method of carrying out these measures and shall not commence operations until these are approved in writing.

### 2.22. As-Built Drawings / Detail Drawings

The Contractor should note that the Drawings and Quantities in the Tender Documents, whilst detailed, have to be considered as preliminary, and only provide an indication of the locations, layouts and scope of works. The contractor should produce all the relevant as built drawings including the profiles. The locations, layout and scope of works may be altered and in such cases the Contractor shall not be entitled to any claim whatsoever for such alterations over and above the measured works or measured variations at the tendered rates except in accordance with the provisions of relevant Clauses of the Conditions of Contract.

Subject to the above limitation, design detail will be provided by the employer in advance of the Contractor's intended commencement of construction as indicated in his approved construction programme or as otherwise agreed with the employer.

Should any Contractor's proposals for the any specialised items differ in entirety or substantially from that of the employers or should it affect another component of the element or item of work beyond permissible variations from it, then the Contractor shall, at his own cost, be responsible for redesign to provide a complete acceptable system before approval of any part thereof. For such works, the Contractor shall furnish, at his own expense, the employer with copies of all design calculation, sketches, working drawings and similar information in as much detail as the employer may reasonably require for his full information and subsequent approval.



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Such approval of the Contractor's design shall not relieve the Contractor from any of his duties, responsibilities or obligations under the Contract.

The above work to be undertaken by the Contractor or his approved subcontractor shall be in accordance with current practice generally using accepted design techniques as specified in the relevant Tender Document all to the approval of the Employer.

Contractor shall prepare the working drawings/shop drawings and documents, including diagrams and schedules shall show the details of proposals for the execution of the works and shall include everything necessary for the following purposes:

- To illustrate in detail the arrangement of the various section of the works and to identify the various components.
- To integrate the various sections of the works.

Working drawings and documents shall be made available sufficiently early so that the Employer gets sufficient time to check and correct them.

The Contractor shall liaise with the employer for the period required for any approval, which shall be a maximum of two weeks. Delay in obtaining approval of working drawings shall not be a reason for requesting extension of time.

The Contractor shall ensure that all items to be ordered by him can be accommodated in the positions shown on the drawings and for taking all necessary dimensions on site together with any supporting information which may be necessary for preparing working drawings.

Materials or equipment shall not be ordered nor the construction of the associated works be commenced until such approval has been obtained from the Employer.

The Contractor shall be deemed to have obtained a full and proper understanding of the Employer's design and design intents and to have satisfied himself with their accuracy and suitability. In this respect, the Employer will meet all reasonable requests made by the Contractor in furnishing design information and other information to the Contractor. No claim in respect of lack of knowledge will be admissible.

### **2.23. Sample**

The Contractor shall submit samples of all necessary required materials and goods for inclusion in the works to the Engineer and only those approved by the Engineer and to the standards specified elsewhere in the Contract may be ordered for supply. Samples shall be submitted promptly in order not to delay the works.

All work executed shall be of equal standard in all respects to the approved samples and the employer may reject any work which, in his opinion, does not comply with the approved samples.

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## 2.24. Site Safety

### 2.28.1 Safety on Site

The Contractor shall ensure that the works are carried out in a safe manner to a accepted guidelines on safe working procedures and to the satisfaction of the Employer.

The following requirements shall be complied with by the Contractor:

(a) Scaffolding - Suitable and sufficient scaffolds shall be provided and properly maintained for all work that cannot safely be carried out from the ground or from part of the structure or from a ladder.

Every scaffold shall be of good construction, of suitable and sound material and of adequate strength for the purpose for which it is used. Unless designed as an independent structure, every scaffold shall be rigidly connected to a part of the structure which is of sufficient strength to afford safe support. Protective headgear shall always be worn.

(b) Correct fencing-off of the site and all appropriate security measures. This should be specified under contractor work methodology.

The safety equipment which shall be made available shall include but not limited to:

- Lifting harness with ropes.
- Protective head gear.
- First Aid Box
- Fire Extinguishers.
- Safety sign boards

### 2.28.2 Traffic Management

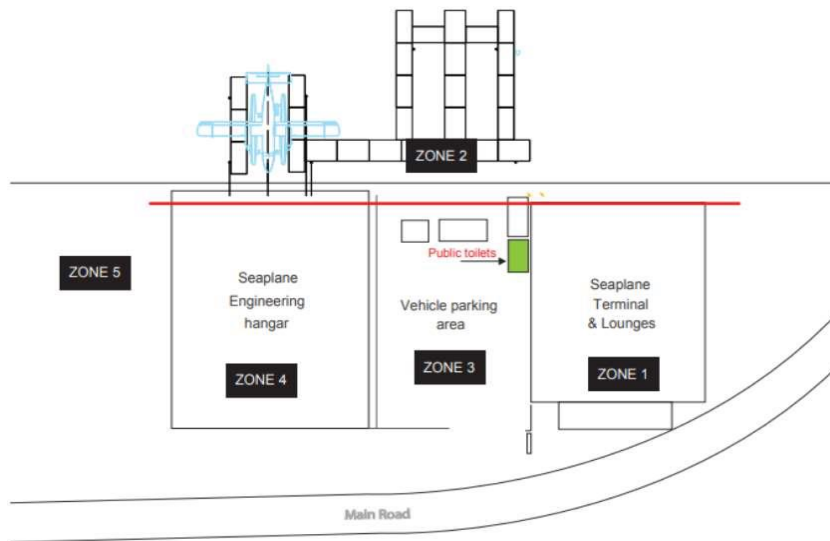
Before commencement, contractor shall specify dates which movements of vehicle for removal of debris/construction waste and movement of material to Maldivian Seaplane which may require to utilize main entrance and pathway.

## 2.25. As Built Records

Upon completion of work as in the stages of the Programme of Works, at the direction of the Engineer, the Contractor shall prepare detailed drawings and other records, as required, of the works executed. The Contractor is required to submit the soft copy as well as three hard copies of the as built records to the scale advised by the employer.

#### **d. Worksite guideline**

The following standards apply to all Island Aviation Services Limited (Maldivian) hereafter referred as "IASL", contractors, subcontractors engaged in civil and maintenance related works. The term "worksite(s)" is used in its broadest sense and includes all company owned and/or leased sites, property, facilities, trailers, equipment, machinery, vehicles, parking areas and company provided housing. The guidelines establish expectations regarding appropriate worksite conduct;



Zone 1 - Seaplane Departure Terminal

Zone 2 - Airside

Zone 3 - Vehicle parking & luggage loading/unloading

Zone 4 - Seaplane Hangar

Zone 5 - Workshops and other area

#### **1- General:**

1. All authorized/visitors/contractors must obtain a valid airport access pass issued by Aviation Security Command and must be displayed at all times in terminal area and site.
2. Information of site manager/ supervisors name and contact details must be displayed at worksite.
3. During any project at ZONE 3, all workers/laborers including material, garbage or any entrance/exit must be practice via main gate at southern side.



4. During the project period, contactors/workers shall keep caution during lifting/ transferring materials through hallways/alleyways. Any damage caused during the event shall be reported and rectify immediately.

**2. Restricted areas and gate protocol:**

1. Once the worksite is finalized, access to that specific area including public areas can be access granted by IASL representative.
2. During any project at ZONE 3, all guest area at terminal ground floor including ZONE 2 (airside) ZONE 4 & 5 is restricted to that specific contractor/visitor engaged in that specific project.
3. During the contracted period, if the contractor requires access to any delivery vehicle via Male'/Hulhumale', 2 (two) working days prior notice in written shall be sent to given email address by IASL with required date/time and purpose.
4. During the contracted period, if the contractor requires access to any vessel via sea to harbor area, 2 (two) working days prior notice in written shall be sent to given email address by IASL with required date/time and purpose.
5. During any delivery/withdraw, any personal that access the site for loading or unloading, including driver/drivers assistants shall leave site immediately with that specific vehicle or vessel.
6. In any circumstance, no personnel shall use ZONE 1 guest entrance (main entrance/ south entrance) for any purpose.

**3. Use of washroom/toilets.**

1. Public washroom/toilet is located in ZONE 3 mentioned as "public toilets" in the given chart.
2. Bathing or cleaning equipment's and cloths are not permissible in washroom.
3. Always keep toilet bowls and washbowl clean after use.

**4. Smoking:**

1. Smoking is prohibited in worksite and in any area that is not labeled as designated smoking area.
2. Always keep designated smoking area clean.
3. Any employee of contractor found smoking in restricted and unauthorized area will be deemed to remove from the site and hold the security pass.

**5. Trash:**

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1. Any trash or material leftover shall be kept within the parameter of that project worksite and shall not be exposed to public.
2. All trash or material leftover has to be withdrawn from site during or before site handover.
3. Food waste or any trash that might decay or produce bad smell shall be dumped to designated area or shall be cleared from work site immediately.

Any issue that is not address in this worksite guideline will be informed during an event of such activity and will be informed via email to respective personal in charge.

Any complaints, queries during the project shall be informed via telephone during an emergency to Seaplane administration duty mobile **+960 7914242** or IASL Supervisor appointed for the project.

Or via email to: [admin.seaplane@iasl.aero](mailto:admin.seaplane@iasl.aero) and [agleem@iasl.aero](mailto:agleem@iasl.aero)

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## e. BOQ

### CONSTRUCTION OF SEAPLANE SERVICE BUILDING FOR ENG STORE AND GROUND OFFICES AT VELANA INTERNATIONAL AIRPORT

Nov 2021



BOQ SEAPLANE Service Building revised

BILL OF QUANTITIES

BILL OF QUANTITIES

PROJECT: SEAPLANE SERVICE BUILDING  
CONSTRUCTION OF SEAPLANE SERVICE BUILDING  
AT SEAPLANE VEHICLE PARKING

NOVEMBER 2021

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BOQ SEAPLANE Service Building revised

BILL OF QUANTITIES

PROJECT: SEAPLANE SERVICE BUILDING  
CONSTRUCTION OF ENG STORES AND GROUND OFFICE'S  
SUMMARY OF BILLS OF QUANTITIES

SL.NO	BILL NAME	AMOUNT (MVR)
1 )	TOTAL OF BILL NO. 01 (PRELIMINARIES)	-
2 )	TOTAL OF BILL NO. 02 (GROUND WORKS)	-
3 )	TOTAL OF BILL NO. 03 (CONCRETE WORKS)	-
4 )	TOTAL OF BILL NO. 04 (MASONRY AND PLASTERING)	-
5 )	TOTAL OF BILL NO. 05 (METAL WORKS)	-
6 )	TOTAL OF BILL NO. 06 COVERING & ROOFING)	-
7 )	TOTAL OF BILL NO. 07 (CEILINGS)	-
8 )	TOTAL OF BILL NO. 08 (DOORS AND WINDOWS)	-
9 )	TOTAL OF BILL NO. 9 (PAINTING)	-
10 )	TOTAL OF BILL NO. 10 (ELECTRICAL INSTALLATIONS)	-
11 )	TOTAL OF BILL NO. 11 (ADDITIONS)	-
12 )	TOTAL OF BILL NO. 12 (OMISSIONS)	-
GRAND TOTAL		-

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SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>Bill No: 01</b> <b>PRELIMINARIES</b>				
1.1	<b>General Notes</b>				
1)	<u>Abbreviations</u> m - meter Nos - numbers m3 - cubic meter m2 - square meter Lm - Linear meter t - tonnes incl - including mm - millimeter dia - diameter SS - Stainless Steel GI - Galvanised Iron				
1.2	<b>Site Management Costs</b>				
1)	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings and similar.	1.00	item	-	-
1.3	<b>Sign Board</b>				
1)	Allow for sign board	1.00	no	-	-
1.4	<b>Clean - up</b>				
1)	Allow for clean - up of completed works and site upon completion.	1.00	item	-	-
<b>TOTAL OF BILL NO. 01 (PRELIMINARIES)</b> <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>					-
	<b>Bill No: 02</b> <b>GROUND WORKS</b>				
2.1	<b>GENERAL</b> (a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating and disposing surplus soil.	1.00	item	-	-
2.2	<b>SITE CLEARING</b> Clear the area of site from rubbish and vegetable matters, stumps, roots. Demolition NOT included	1.00	Item	-	-
2.3	<b>EXCAVATION</b> Excavation quantities are measured to the faces of concrete members. Rates shall include for all additional excavation required to place the formwork, back fill, shoring and others				
1)	Excavation for foundation	7.12	m <sup>3</sup>	-	-
2.4	<b>GROUND LEVELING</b> (a) Rates shall include for: levelling, grading, trimming, compacting and similar. (b) Ground need to be compacted to the required density by the consultant.	190.00	m <sup>2</sup>	-	-
2.5	<b>DAMP PROOF MEMBRANE</b> (a) Rates shall include for: dressing around and sealing to all penetrations, laps and turnups	1.00	item	-	-
2.6	<b>WATER PROOFING</b> Rate shall include for: dressing around and sealing to all penetrations				
1)	Apply bituminous type waterproofing to all surfaces of concrete below ground level in accordance with the specifications and manufacturer's instructions	1.00	item	-	-



SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>TOTAL OF BILL NO. 02 (GROUND WORKS)</b> <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>					-
	<b>Bill No: 03</b>				
	<b>CONCRETE WORKS</b>				
	<b>General</b>				
	a) Rate shall include for: placing in position; making good after removal of formwork and casting in all required items; additional concrete required to conform to structural and excavated tolerances.				
	b) Mix ratio for reinforced concrete shall be 1:2:3				
3.1	<b>Lean Concrete</b> 50mm thick lean concrete under foundation with a mix of 1:2:5	1.85	m <sup>3</sup>	-	-
3.2	<b>Reinforced Concrete</b> In-situ reinforced concrete to: *Add water proofing compound / admixture to concrete mix for walls GL and Roof Slabs	1.00	item	-	-
3.3	<b>Formwork</b> a) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes, removal of formwork and normal practices used.	1.00	item	-	-
3.4	<b>Reinforcement</b> a) Rates shall include for: cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wire and chair supports, laps, and wastages.				-
3.5	<b>Foundation</b>				
	1) RC foundation pads,	3.51	m <sup>3</sup>	-	-
	2) Tie beams	3.61	m <sup>3</sup>	-	-
3.6	<b>Column</b>				
	1) RC COLUMN (6T12 / R6@150 C/C)	5.88	m <sup>3</sup>	-	-
3.7	<b>Beams</b>				
	1) RC COLUMN (6T12 / R6@150 C/C)	6.32	m <sup>3</sup>	-	-
3.8	<b>ROOF BEAM</b>				
	1) RC BEAM (4T12 / R6@150 C/C)	3.79	m <sup>3</sup>	-	-
3.9	<b>CANTILEVER SLAB</b>				
	1) RC 100MM TK SLAB	1.94	m <sup>3</sup>	-	-
3.10.	<b>Flooring</b>				
	<b>Ground Floor</b>				
	1) 75mm Concrete Flooring with a mix 1:3:2 with wire mesh reinforcement	14.25	m <sup>3</sup>	-	-
	3) Floor re-enforcement using 25mmx25mm wire mesh	190.00	m <sup>2</sup>	-	-
	4) Allow lumpsum grind/patch uneven gravels	1.00	nos	-	-
	5) Floor painting using 2 part epoxy for concrete concrete	102.00	m <sup>2</sup>	-	-
	6) Finish with 600 x 600 Non Slip Ceramic tiles	88.00	m <sup>2</sup>	-	-
	<b>First Floor</b>				
	1) 75mm Concrete Flooring with a mix 1:3:2 with wire mesh reinforcement	18.57	m <sup>3</sup>	-	-
	2) Floor re-enforcement using 25mmx25mm wire mesh	247.62	m <sup>2</sup>	-	-
	3) Finish with 600 x 600 Non Slip Ceramic tiles:	233.17	m <sup>2</sup>	-	-
3.11	<b>WATER PROOFING</b>				
	Rate shall include for: dressing around and sealing to all penetrations				
	1) Water Proofing for roof slab	1.00	Item	-	-
	2) Water Proofing for foundation	1.00	Item	-	-



SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>TOTAL OF BILL NO. 03 (CONCRETE WORKS)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					
4.1	<b>Bill No: 04</b> <b>MASONRY AND PLASTERING</b> <b>General</b> a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leaving holes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashings, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good.				
4.2	<b>Cement block work</b>				
4.2.1	400x150x200mm hollow blocks, laid on and incl. 1:5 Cement Mortar. <u>All External walls</u>				
	1) Ground Floor	188.23	m <sup>2</sup>		-
	2) First Floor	177.88	m <sup>2</sup>		-
	3) Roof level	36.56	m <sup>2</sup>		-
4.2.1	400x100x200mm hollow blocks, laid on and incl. 1:5 Cement Mortar. <u>All Internal walls</u>				
	1) Ground Floor	73.25	m <sup>2</sup>		-
	2) First Floor	125.43	m <sup>2</sup>		-
4.3	<b>Plastering</b>				
4.3.1	a) 25mm cement plastering on external walls and concrete surfaces with 1:5 Cement mortar mix as specified incl.				
	1) Ground Floor	1,202.69	m <sup>2</sup>		-
4.4	<b>Insulation &amp; Protection</b>				
	1) Allow lumpsum to apply bitumen compound at all contact points with steel	1.00	nos		-
<b>TOTAL OF BILL NO. 04 (MASONRY AND PLASTERING)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					
5.1	<b>Bill No: 05</b> <b>METAL WORKS</b> <b>General</b> a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts incl. those securing timbers, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws. b) Rates shall include for fabrication and erection and temporary supports and fixing into position. c) Rates Shall include temporary supports  d) Rates shall include applying red oxide/metal primer at welded joints and parts e) Rates shall include capping all exposed ends of any HSS with welds				
5.2	Deck Joists GI HSS 100x50mm	198.00	LM		-
5.3	Deck Joists GI HSS 100x50mm	198.00	LM		-
5.4	Deck Truss T1 GI HSS 100x50mm GI HSS 50x50mm	10.00 57.0LM 40.0LM			-



BOQ SEAPLANE Service Building revised

BILL OF QUANTITIES

SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
8.2	d) All clading sheets shall be min 5mm Thick <b>Door &amp; Window units</b>				
1)	Door D1	1.00	Nos		-
2)	Door D2	2.00	Nos		-
3)	Door D3	9.00	Nos		-
4)	Sliding door SD1	1.00	Set		-
5)	Sliding Door SD2	3.00	Set		-
6)	Fixed Panel sets	8.00	Set		-
7)	Ventilation grill	5.00	Set		-
8)	Sliding door SD1	1.00	Set		-
9)	Grid A sliding Window	1.00	Set		-
<b>TOTAL OF BILL NO. 08 (DOORS AND WINDOWS)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					-
10.1	<b>Bill No: 9</b> <b>PAINTING</b> <b>General</b> a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and / or making floors, fittings and similar work, removing and replacing door and window furniture b) All painting work shall be carried in accordance with the specifications. Nippon Weather bond for External Walls and Nippon super vinilex for interal				
10.2	<b>Walls</b> Weather proof emulsion paint system on plastered and concrete surfaces of external and normal interior emulsion paint on internal walls. <u>External painting 1 coat of wall sealer. &amp; 2 coats of paints</u>				
1)	Ground Floor <u>Internal Painting 1 coat of wall sealer &amp; 2 coats of paints</u>	1.00	nos		-
2)	Ground Floor	1.00	nos		-
3)	First Floor	1.00	nos		-
<b>TOTAL OF BILL NO. 9 (PAINTING)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					-
12.1	<b>Bill No: 10</b> <b>ELECTRICAL INSTALLATIONS</b> <b>General</b> a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories. b) Rate shall include for electrical conduits, fittings, equipment and similar all fixings c) Each light / light fixture and its switches shall measure as one one point: similarly each sockets or each fans shall measured as one point. d) Rate shall include for supply and complete installation of all floors. e) Provide junction box for bends, joints and connections.				
12.2	<b>Main Connection</b> Allow for main connection from Hangar Panel Board	10.00	m		-
12.3	<b>Electrical boards</b> Complete installation incl. for all connection earthing, painting, testing and similar of; Distribution boards	2.00	nos		-
12.4	<b>Electrical wiring</b> Electrical wiring with copper conductor cable in conduits in walls and slab as specified to				-



BOQ SEAPLANE Service Building revised

BILL OF QUANTITIES

SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1 )	1.5mm2 Wiring to light fixtures, fans and its switches	60.00	points		-
2 )	2.5 mm2 Wiring to Socket Switches	30.00	points		-
12.5	<b>Lighting</b>				
1 )	LED 600x600mm Panel light 36W - Temp 6000K	58.00	nos		-
2 )	LED sparks proof Light 36W - Temp 6000K	2.00	nos		-
12.6	<b>Socket outlets</b>				
	All sockets shall be "Clipsal"or equivalent				
1 )	13 Amps Socket Switch Single	34.00	nos		-
2 )	13 Amps Socket Switch double	2.00	nos		-
3 )	15 Amp sockets for AC	13.00	nos		-
4 )	32 Amp Isolator switch	2.00			-
12.7	<b>Network points</b>				
1 )	Ethernet CAT 6 Cable	51.00	points		-
	All network points shall be of minimum length of 1.2m from execution point and 1.5m at terminating end.				
2 )	Cat 6 cable for Access door control system	4.00	points		-
12.8	<b>Light Switches</b>				
	All switches shall be "Clipsal"or equivalent				
1 )	One Way switches	30.00	nos		-
	No.of Switch Gang can be determined by light arrangement				
12.9	<b>Air Conditioners (MEDIA/AUX/BLUE STAR)</b>				
1 )	Wall mount units 24000BTU	1.00	Nos		-
2 )	Wall mount units 18000BTU	9.00	Nos		-
3 )	Wall mount units 12000BTU	2.00	Nos		-
4 )	Wall mount units 9000BTU	1.00	nos		-
<b>TOTAL OF BILL NO. 10 (ELECTRICAL INSTALLATIONS)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					-
	<b>Bill No: 11 ADDITIONS</b>				
Bill No: 01					
Bill No: 02					
Bill No: 03					
Bill No: 04					
Bill No: 05					
Bill No: 06					
Bill No: 07					
Bill No: 08					
Bill No: 09					
Bill No: 10					
<b>TOTAL OF BILL NO. 11 (ADDITIONS)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					-
	<b>Bill No: 12 OMISSIONS</b>				
Bill No: 01					
Bill No: 02					
Bill No: 03					
Bill No: 04					
Bill No: 05					
Bill No: 06					
Bill No: 07					
Bill No: 08					
Bill No: 09					
Bill No: 10					
<b>TOTAL OF BILL NO. 12 (OMISSIONS)</b> (CARRIED OVER TO THE GENERAL SUMMARY)					-

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## DRAWING

(Please see attachment)

**STAFF STRENGTH AND MACHINERIES*****Staff strength***

Foreign employees must hold valid work visa/permit

	<b>Rank</b>	<b>Number of staffs</b>
1	Site supervisor	
2	Carpenter	
3	Welder	
4	Mason	
5	Bar bender	
6	Laborer	

***List of Machineries for construction***

Company inventory machineries only

	<b>Machinery</b>	<b>Please tick</b>
1	Concrete mixer (min 350Ltrs)	
2	Metal Cut off machine	
3	Bar bender machine	
3	Concrete vibrator	
4	Circular saw	
5	Miter Saw	

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### Submission Check List

<b>REQUIRED DOCUMENTS</b>		<b>TICK IF SUBMITTED</b>	
1	Company Registration Certificate	<input type="checkbox"/>	<input type="checkbox"/>
2	Cover Letter	<input type="checkbox"/>	<input type="checkbox"/>
3	Company Profile	<input type="checkbox"/>	<input type="checkbox"/>
4	Project Cost and Payment Terms	<input type="checkbox"/>	<input type="checkbox"/>
5	Audited Financial Statement (Latest 3 years)	<input type="checkbox"/>	<input type="checkbox"/>
6	Relevant Past Experience	<input type="checkbox"/>	<input type="checkbox"/>
7	Cost Break Down (BOQ)	<input type="checkbox"/>	<input type="checkbox"/>
8	Related Party Disclosure (Form A)	<input type="checkbox"/>	<input type="checkbox"/>
9	Implementation Plan/Work Schedule	<input type="checkbox"/>	<input type="checkbox"/>



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## RELATED PARTY DISCLOSURE (FORM A)

Island Aviation Services Limited  
M. Dar Al-Eiman Building,  
Majeedhee Magu,  
Male' 20345,  
Republic of Maldives

[Date]

Dear Sir/ Madam,

**Project:** CONSTRUCTION OF SEAPLANE SERVICE BUILDING FOR ENG STORE AND GROUND OFFICES AT VELANA INTERNATIONAL AIRPORT

**Subject:** Related Party Disclosure

With the exception of the below specified, I hereby declare that, we, the party is in no way, shape or form related to Island Aviation; created either through an employer-employee agency relationship between employees or directors of Island Aviation or by way of ownership of Island Aviation.

Name of the Related Party	Designation of the Related Party	Relationship

Yours sincerely,

[Name of signatory]

[Title]

**Note:**

1. Related parties for this purpose include:
  - 1.1. Employees or directors of the Company
  - 1.2. Close family members of any employee/ director of the Company. Close family members here refer to spouse, including former spouse relatives, which comprise: siblings, cousins, uncles and aunts, nephews and nieces, lineal ancestors (presumably, it means parents, grandparents and other ancestors of direct lineage), lineal descendants (children, grandchildren and other direct descendants).