



**SCOPE OF WORK
FOR
Routine Servicing of Gantry Crane at Maldivian
Seaplane Hangar**

17th April 2024



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1. BACKGROUND AND PURPOSE:

Island Aviation Services Ltd. has a requirement for biannual service of the gantry crane used at Seaplane Hangar for aircraft maintenance. The purpose of this scope of work is to outline the tasks, responsibilities, and procedures required for the servicing of the gantry crane.

2. SCOPE:

The scope of work for this project includes, but is not limited to:

2.1. Description of Work

2.1.1. Biannual Inspection and Testing

The inspection and testing of the gantry crane should be conducted to ensure that it is in proper working condition. The following inspections and tests should be performed:

- a. Visual Inspection: The crane should be inspected for any visible damage or defects, such as cracks, dents, or corrosion.
- b. Load Testing: The crane should be tested with a load that is equivalent to its maximum capacity to ensure that it is capable of safely lifting the seaplane.
- c. Electrical Testing: The electrical system of the crane should be tested to ensure that it is working properly, including the emergency stop buttons, limit switches, and overload protection devices.

2.1.2. Corrective Maintenance

If any issues or defects are identified during the inspection or testing, corrective maintenance should be performed to ensure that the crane is safe and effective to use.

The following corrective maintenance tasks should be performed:

- a. Repair or Replacement of Damaged Components: Any damaged components, such as hoists or cables, should be repaired or replaced as needed.
- b. Calibration of Safety Devices: If any safety devices are found to be out of calibration, they should be adjusted to ensure that they function properly.
- c. Electrical Repairs: If any electrical components or wiring are found to be damaged or faulty, they should be repaired or replaced as needed.
- d. Inspect the crane beam, and remove any rust and application of primer and marine top coat.

2.1.3. Documentation and Reporting

All inspection, testing and corrective maintenance activities should be documented and reported. The following documentation and reporting tasks should be performed:

- a. Inspection and Testing Reports: All inspection and testing results should be documented and reported to ensure that the crane is safe and effective to use.



- b. Corrective Maintenance Records: All corrective maintenance tasks and their corresponding dates should be recorded to ensure that the crane is repaired in a timely manner.

2.2. Project Deliverables

- 2.2.1. Biannual Inspection and Testing
- 2.2.2. Corrective Maintenance
- 2.2.3. Documentation and Reporting

2.3. Materials and Equipment

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3. RESPONSIBILITIES:

3.1 Employer Responsibilities

- Shall provide a detailed and comprehensive project brief outlining the objectives, scope, deliverables, and any specific requirements for the project.
- Maintain open and effective communication with the Contractor throughout the project duration to ensure alignment, address queries, and provide necessary feedback.
- Furnish all relevant and essential information, data, and access required by the Contractor to execute the project successfully.
- Define clear expectations regarding project timelines, milestones, quality standards, and any other specific project requirements.
- Provide timely approvals for project deliverables and any required changes or variations.
- Identify and communicate any potential risks or challenges associated with the project to the Contractor promptly.
- Review and accept project deliverables based on the agreed-upon acceptance criteria.
- Provide necessary support during the project closure process to ensure a smooth handover.

3.2 Contractor Responsibilities

- Ensure that all construction activities comply with local regulations, building codes, and safety standards.
- Source and provide all 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 security and safety directives.
- Employ and manage a skilled and qualified workforce to carry out various tasks during the project, ensuring they have the necessary expertise and training.
- Shall appoint a Site Supervisor, and he should be available on site while the work is being carried out.
- Shall be responsible for transportation of personnel and materials to site, including any airport escort fees.
- The Contractor shall not be admitted to areas of the property beyond the areas designated for the project except with the permission. The Contractor shall address the impact of the consequent disruption caused by the proposed work.



- Prepare the project site, including clearing, excavation, grading and disposal as needed.
- Implement quality control measures to ensure that all work meets the specified standards and adheres to best practices.
- Any damage during the project execution shall be rectified on contractors' cost. Any contingencies shall be taken into consideration during project execution.
- If the quality of workmanship is below the acceptable standard, the contractor shall rectify the situation to the satisfaction of the employer at his own expense.
- Prioritize the safety of the workforce and all stakeholders, implementing safety protocols and maintaining a hazard-free work environment.
- Maintain clear and regular communication with the project manager, and other stakeholders, providing updates on progress and addressing any concerns promptly.
- Ensure a smooth project closeout, including final inspections, obtaining necessary approvals, and handing over all relevant documentation and deliverables to the Employer.

4. VARIATIONS AND CHANGE ORDERS

All communications regarding the project shall be directed to the Project Manager. If any changes to the scope of work are required during the project duration, they will be communicated in writing through an email to the contractor by the Project Manager. Any changes shall be implemented once approval for variation (if any) is provided to the contractor through email by the Project Manager. This includes any modifications requested by the Employer that may impact the project timeline or cost.

No variations will be accepted without approval from the Project Manager, and any alterations made without approval shall be rectified at the contractor's expense.

5. ANNEXES/ATTACHEMENTS

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Note:

1. Final Measurements shall be taken during the site visit.
2. Comprehensive work schedule shall be presented prior to commencement of work. [Working hours to be agreed by both parties].
3. All foreign employees must possess valid work permit.
4. Airport pass shall be displayed at all times.
5. Electricity and water required for the project will be provided by the Employer.
6. All material to be used shall be presented before commencement and nor substitution will be allowed prior approval.
7. The metric system of units shall be used throughout

Any complaints, queries during the project shall be informed via telephone during an emergency to +960 7853613, IASL Manager appointed for the project. Or via email to: naizan@iasl.aero

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Sign:

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Sign: