



SCOPE OF WORK

INSTALLATION OF END CAP AT SEAPLANE HANGAR & SIDEWALL REPAIR

MODIFICATION WORKS

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Mohamed Shifau
shifau@iasl.aero

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BACKGROUND AND PURPOSES

1. Island Aviation Services Ltd. Seaplane engineering Hangar requires to fabricate and install end cap on northern side end wall and side wall repair.

GENERAL REQUIREMENTS

1. The contractor shall provide personnel, materials, equipment and supervision to complete the technical requirement in this scope of work. The contractor shall be responsible for hiring labor, equipment vendor and shall follow safety and security directives.
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 cause by the proposed work.
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.
4. Materials shall be approved by employer prior to installation.
5. Required measurements shall be taken during the site visit.
6. No variations will be accepted without approval from the employer and any alteration made without approval shall be rectified without any cost.
7. The Contractor shall clear the work site daily.
8. To ensure maximum safety, shall follow construction safety standards.
9. **Contractor shall provide work schedule.**
10. **Work hours and time may vary depending on the hangar availability.**

PROCEDURE AND INSTRUCTIONS

SCOPE OF WORK

The contractor shall carry out the following works.

1. END CAP WORKS

- 1.1 Attaching 4" dia horizontal MS pipe between door columns. Approximately 24000mm. Referred to the attached diagram.
- 1.2 Attaching 2"x4" hollow between door columns. Approximately 24000mm. Referred to the attached diagram.
- 1.3 1.5"x1.5" hollow for "V" bracing.
- 1.4 4" dia Gi high pressure pipe for lateral bracing connected by means of hinge/joint 12mm plate. Referred to the attached diagram.
- 1.5 All welded areas shall be painted with Red oxide.
- 1.6 Installing Lysaght roofing sheet. Referred to the attached diagram.
- 1.7 All frames and Roofing sheets shall be painted with marine grade painted followed by under coat.

2. REPAIRING SIDE WALL PANEL

2.1 Site preparations and Completion.

- 2.1.1 Supply, set-up, maintain and remove scaffolding, man-lift platforms and/or swing-stages during performance of Work as required to access work areas.
- 2.1.2 Cleaning of work site daily.

2.2 Logistics

- 2.2.1 All materials shall be delivered to the site by the contractor.
- 2.2.2 Waste management and disposal shall be done by the contractor.

2.3 Repair and Painting

- 2.3.1 Replacing existing corroded C purlins. (C200,70,20,3).
- 2.3.2 Area 1 - 19432mm x 11795mm.
 - 2.3.2.1 Quantity – 27 x 6000mm
- 2.3.3 Area 2 – 6553mm x 11795mm.
 - 2.3.3.1 Quantity – 22 x 6000mm

2.3.4 Replacing existing connection flanges.

2.3.4.1 Thickness – 10mm

2.3.5 Scour off the rust, prime and paint the structure.

2.3.6 Area – 19432mm x 30500mm

2.4 Sheet replacement

2.4.1 Area of sheet replacement (Reference images in REF 1).

| | Length (mm) | Width (mm) |
|--------|-------------|------------|
| Area 1 | 5600 | 6000 |

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 material to be used shall be presented before commencement and nor substitution will be allowed prior approval.
2. All wiring and electrical fittings shall comply latest British Standards.
3. 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
4. Electricity and water required for the project will be supplied by the employer.
5. It is contractors' responsibility to obtain all the permits required (from regulatory authorities' service providers etc.) for construction.

GENERAL REQUIREMENTS

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.

STANDARDS AND WORKMANSHIP

In various places throughout this specification and the Bills of Materials 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.

DRAWINGS AND SPECIFICATIONS

In various places throughout this specification and the Bills of Materials 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.

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 Employer's 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.

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 labor to and from the site. The contractor shall use routes specified by the island authorities for transporting heavy and oversized goods to the site.

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.

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.

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.

- a) All wall sheeting to be replaced by LYSAGHT® Roofing & Walling marine grade blue color.
- b) All painting to be done by PPG's Protective and Marine Coatings SIGMARINE 48 BLUE 1199.
- c) Must be used only Marine grade screws or bolts.

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.