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ސަރުކާރުގެ ބަންދުގައި

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(IUL)AAAH-A-AD/AAAH/2026/38	އިދާރާތަކާ ބެހޭ ގޮތުން
19 ޖުލައި 2026	އިދާރާތަކާ ބެހޭ ގޮތުން
25 ޖުލައި 2026 ވަނަ ދުވަހު، 13:30 ޖަހާ ގޮތުން	ބަޔާން ބަޔާން ބަޔާން
02 ޖުލައި 2026 ޖަހާ ގޮތުން 13:30 ޖަހާ ގޮތުން (ދިވެހިސަރުކާރުގެ ގެޒެޓްގައި ބަޔާން ބަޔާން)	ބަޔާން ބަޔާން
procurement@aaah.gov.mv	އިދާރާތަކާ ބެހޭ ގޮތުން



AA. ATOLL HOSPITAL

Scope of Work (SOW)

Patient Bed Launch Platform

Project

Design, Fabrication, Supply, Delivery, Installation and Architectural Drawing of a Fiberglass Patient Bed Launch Platform

Project Description

The contractor shall design, prepare architectural/shop drawings, fabricate, supply, deliver, install, test, and commission a heavy-duty fiberglass patient bed launch platform suitable for hospital use. The platform shall provide a stable base for a standard hospital patient bed while incorporating an enclosed under-bed compartment for a jumbo oxygen cylinder, electrical services, and oxygen concentrator connections.

Technical Specifications

Platform Dimensions

- Length: **9 ft (2743 mm)**
 - Width: **30 inches (762 mm)**
 - Height: **14 inches (356 mm)**
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Construction

- Heavy-duty Fiberglass Reinforced Plastic (FRP) structure.
 - Internal stainless steel reinforcement frame.
 - Smooth, hygienic, non-slip, and easy-to-clean finish.
 - Chemical-, moisture-, and corrosion-resistant surface.
 - Rounded safety edges and corners.
 - Heavy-duty load-bearing capacity suitable for hospital patient beds.
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Removable Top

The platform shall include:

- Fully removable fiberglass top panel.
- Heavy-duty concealed lifting handles.
- Stainless steel locking mechanism.
- Easy access for maintenance and cleaning.
- Secure installation preventing accidental movement.

Under-Bed Oxygen Cylinder Compartment

The jumbo oxygen cylinder shall be installed **inside the platform beneath the patient bed**.

The compartment shall include:

- Dedicated enclosed storage compartment.
- Heavy-duty stainless steel locking bracket.
- Stainless steel retaining straps.
- Anti-vibration supports.
- Lockable maintenance access door.
- Easy cylinder replacement access.
- Oxygen regulator access without removing the cylinder.
- Proper ventilation openings for safety.
- Cylinder positioned to prevent movement during transportation and patient care.

Electrical Services

A fixed electrical service panel shall be installed on one side of the platform including:

- One (1) 13 Amp AC socket outlet.
- One (1) 15 Amp AC socket outlet.
- Oxygen concentrator power outlet.
- DC power outlet (if required).
- Medical equipment power outlet.
- Proper earthing system.
- Circuit protection.
- Concealed internal wiring.
- Maintenance access panel.

Medical Gas Provision

Provide:

- Fixed oxygen concentrator connection point.
- Medical oxygen tubing route.
- Protected piping arrangement.
- Easy maintenance access.
- Secure oxygen outlet connection.

Architectural / Shop Drawing Requirements

The contractor shall prepare and submit detailed architectural and fabrication drawings for approval before fabrication.

The drawings shall include:

- Top Plan View.
- Front Elevation.
- Side Elevation.
- End Elevation.
- Section Views.
- 3D Isometric View.
- Structural Frame Details.
- Fiberglass Construction Details.
- Removable Top Panel Detail.
- Under-Bed Oxygen Cylinder Compartment Detail.
- Oxygen Cylinder Locking Bracket Detail.
- Electrical Panel Layout.
- Medical Gas Connection Layout.
- Cable Routing Details.
- Maintenance Access Door Detail.
- Material Specifications.
- Overall Dimensions.
- Fabrication Details.
- Installation Details.

The drawings shall clearly indicate that the **jumbo oxygen cylinder is positioned horizontally beneath the patient bed inside the fiberglass platform.**

Installation Requirements

The contractor shall provide:

- Complete installation.
- All accessories and fittings.
- Secure anchoring.
- Functional electrical testing.
- Oxygen system testing.
- Inspection before handover.
- Cleaning after installation.

Contractor Responsibilities

The contractor shall supply:

- All materials.
- Labour.
- Tools.
- Equipment.
- Transportation.
- Installation.
- Testing.
- Commissioning.

The contractor shall comply with:

- Maldives Electrical Standards.
- Hospital Safety Standards.
- Infection Prevention Requirements.
- Occupational Health and Safety Regulations.

Any defects identified during inspection shall be rectified before final acceptance.

Deliverables

The contractor shall deliver:

- One complete fiberglass patient bed launch platform.
- Approved architectural/shop drawings.
- Under-bed jumbo oxygen cylinder compartment with stainless steel locking system.
- Removable fiberglass top panel.
- 13A and 15A electrical outlets.
- Oxygen concentrator connection.

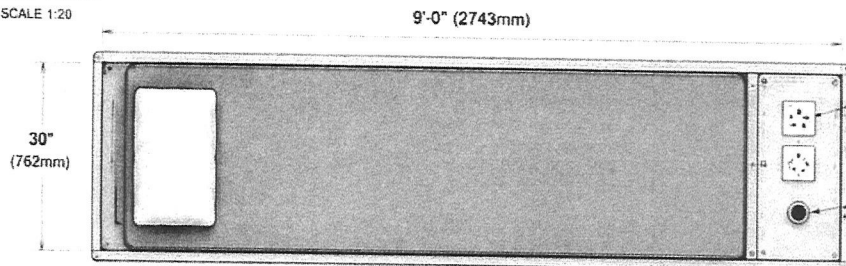
- DC power outlet (where applicable).
- Complete testing and commissioning.
- Operation and maintenance manual.
- Final handover to **AA. Atoll Hospital**.



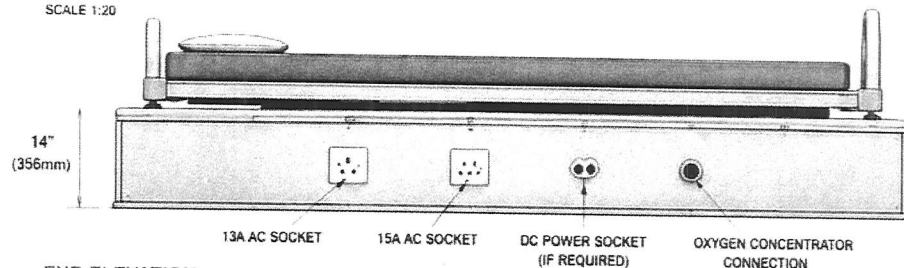
AA. ATOLL HOSPITAL

AA. ATOLL HOSPITAL – PATIENT BED (INTEGRATED WITH UNDER-BED OXYGEN CYLINDER) ARCHITECTURAL DRAWING

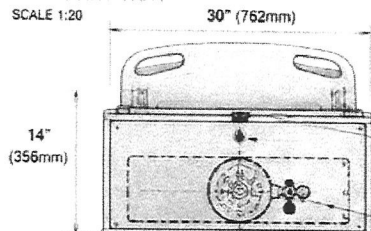
TOP PLAN
SCALE 1:20



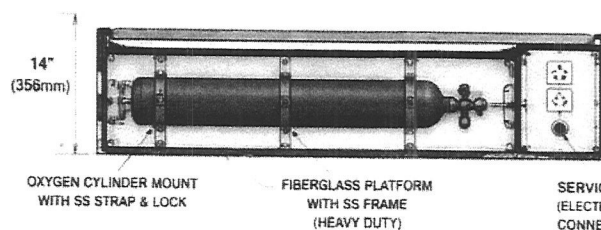
FRONT ELEVATION
SCALE 1:20



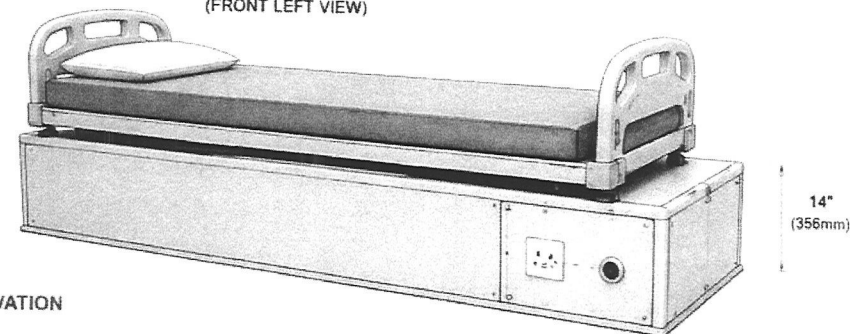
END ELEVATION
SCALE 1:20



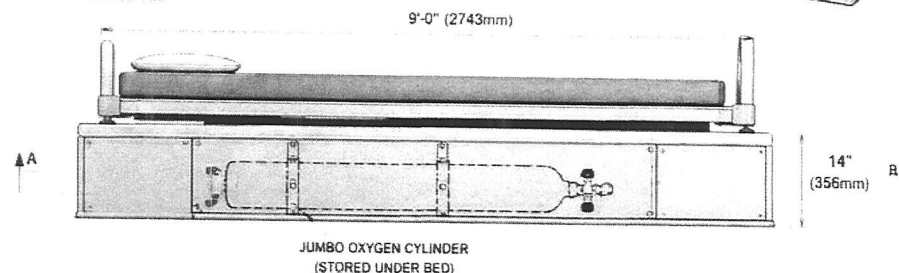
SECTION A-A
SCALE 1:20



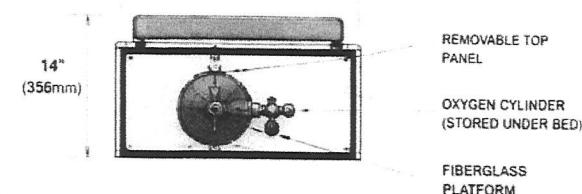
3D PERSPECTIVE VIEW
(FRONT LEFT VIEW)



SIDE ELEVATION
SCALE 1:20



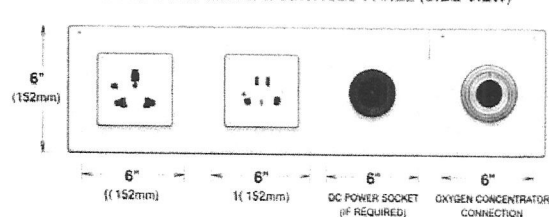
SECTION B-B
30" (762mm)



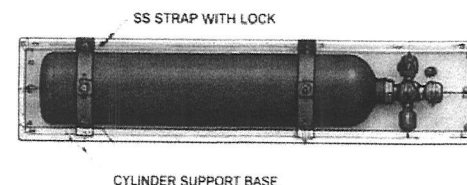
SPECIFICATIONS

- Overall Size (L x W x H) : 9'-0" x 30" x 14"
(2743mm x 762mm x 356mm)
- Platform Material : Fiber Glass (FRP) with SS Reinforcement
- Top Panel : Removable for Maintenance
- Oxygen Cylinder : Jumbo Size, Stored Under Bed
- Cylinder Access : Lockable End Door
- Electrical : 13A AC Socket, 15A AC Socket, DC Socket
- Medical Gas : Oxygen Concentrator Connection (Fixed)
- Finish : Smooth, Non-slip, Easy to Clean
- Color : Light Grey / Off White (As per Hospital Standard)
- Load Capacity : Heavy Duty – Suitable for Hospital Use

ELECTRICAL & MEDICAL SERVICES PANEL (SIDE VIEW)



OXYGEN CYLINDER DETAILS (UNDER-BED)



GENERAL NOTES

- All dimensions are in feet-inches (mm).
- All edges to be rounded for safety.
- All electrical works to comply with Maldives Electrical Standards.
- All medical gas connections to comply with MOH & international safety standards.
- Removable top panel to be secured with lock to prevent movement.
- Final approval by AA. Atoll Hospital before fabrication & installation.

