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UNGOOFAARU REGIONAL HOSPITAL
Raa. Ungoofaaru, Republic of Maldives



SCOPE OF WORK AND DETAILED TECHNICAL SPECIFICATIONS

1. BACKGROUND AND OBJECTIVE

The existing inboard engines on the hospital's primary transport vessel are discontinued models, and spare parts are no longer available (including via YANMAR Asia / MTCC). Fiberglass modifications to the vessel have been completed. The objective is to procure and install modern outboard engines to restore a safe, reliable operational status for emergency medical transfers, while standardizing engine maintenance across the Ungoofaaru Regional Hospital (URH) transport fleet.

2. DETAILED TECHNICAL SPECIFICATIONS

Parameter	Specification
Quantity	2 Nos. (Twin Set)
Engine Type	Four-Stroke Outboard Marine Engine
Power Output	250 HP each (Total Combined Power: 500 HP)
Engine Configuration	V6 Petrol Engine
Displacement	Approximately 4.2 Liters
Fuel System	Electronic Fuel Injection (EFI)
Starting System	Electric Start
Control System	Twin-Engine Digital Electronic Control (DEC)
Rotation Configuration	2 x Standard





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Steering System	Integrated / Compatible Power Steering System for twin setup
Trim & Tilt System	Power Trim & Tilt System
Shaft Length	25 to 30 inches (subject to transom measurements upon inspection)
Propellers	High-grade Stainless-Steel Propellers matched to vessel hull
Cooling & Environment	Water-cooled, suitable for tropical marine/saltwater environments
Fuel Type	Unleaded Gasoline / Petrol
Gear Shift	Forward / Neutral / Reverse

3. REQUIRED ACCESSORIES & ACCESSORIES PACKAGE

The contract price must include a complete rigging package:

1. Dual-engine top mount control box and key switches.
2. Digital gauge/display system showing RPM, trim, fuel usage, and engine diagnostics.
3. Complete marine-grade wiring harnesses, battery switches, and heavy-duty battery cables.
4. Complete hydraulic/power steering system components and linkages.
5. Complete fuel delivery lines, water-separating fuel filters, and quick-connect fittings.





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4. **BRAND STANDARDIZATION REQUIREMENT**

Yamaha 250 HP outboard engines are explicitly specified. The organization's second fleet vessel operates on Yamaha engines, and standardization minimizes spare parts inventory, tools, and maintenance overhead. Equivalent high-tier brands will only be considered if complete operational compatibility and standardization guarantees are furnished.

5. **SCOPE OF INSTALLATION SERVICES**

- 5.1 Complete physical mounting and transom structural alignment.
- 5.2 Fitting all electrical wiring, steering, fuel systems, and controls.
- 5.3 On-water testing, sea trials, and formal commissioning.
- 5.4 Operational handover and basic maintenance brief to URH crew team.

6. **COMMERCIAL & DELIVERY TERMS**

1. **Delivery & Installation Timeline:** The entire scope (supply, installation, testing, and commissioning) must be completed within the given calendar days from the signing of the agreement / issuance of Purchase Order.
2. **Delivery Location:** Ungoofaaruu Regional Hospital or Designated Marine Yard, which preferred by Ungoofaaruu Regional Hospital or the Project Manager of this Project.
3. **Warranty & Maintenance Support:**
 - 3.1 **Warranty Period:** Minimum of 6 Months (or 1,000 running hours) full manufacturer warranty covering parts and labor.
 - 3.2 **After-Sales Support:** Supplier must guarantee spare parts availability in the Maldives for a minimum of 5 years.

