

**PROJECT NAME: FEASIBILITY, DESIGN, ENGINEERING AND MANAGEMENT CONSULTANCY  
SERVICE TOWARDS DEVELOPING A DOCKYARD**

**PROJECT INFORMATION SHEET**

1	Name of Contractor	
2	Name of Project & Location	
3	Scope of Project (Inc highlights)	
4	Estimated & Final cost of Project	
5	Client's name, Address, Tele No. & E-mail ID	
6	Consultancy & Other Services provided by applicant	
7	Key personnel involved in consultancy (their names, qualifications & experience).	
8	Start date and end date of Consultancy	

**Note: -**

Use separate sheet for each eligible project.

**Supporting Documents:** Client certificate and any other pertinent supporting documents for each project shall be included. If supporting documents are in a language other than English certified English translations of the documents are required. Attach additional pages for scope of project/ consultancy provided with necessary documentary evidence



## Scope of Work

The scope of work for the Consultant includes developing a Master plan based on the below requirements while adhering to the Design and Development Requirements (“DDR”)

- I. Stage 1 – Preparation
  - a) Deliver a comprehensive feasibility study (a credible, independent assessment of the future ship-repair and shipbuilding potential for Maldives) based on the traffic patterns, volume and types of ships (cited under DDR 0) which will facilitate ship repairing, ship building and docking of vessels up to 25,000 DWT.
  - b) Deliver a recommendation of potential Project sites in priority order, the most potential location being the first priority and the least potential being the least priority.
  - c) Deliver a draft Project Plan/Schedule to execute the Stages described below in this Broad Scope of Work towards the achievement of milestones in the “Schedule of Bidding Process”.
  
- II. Stage 2 – Conceptual Design
  - a) Layout plan and schematic design showing major facilities
  - b) Sizing, arrangement, location and type of production areas and workshop buildings
  - c) Sizing, arrangement, location and type of docking facilities
  - d) Routing of services and location of sub stations and automation requirement
  - e) Overall layout of the dockyard workflows
  
- III. Stage 3 – Detail Design/ Engineering Design
  - a) Initial surveying maps and layouts
  - b) Conceptual drawings
  - c) Architectural drawings and details
  - d) Structural and Civil drawings and details
  - e) Services design and details
  - f) Technical drawings and details
  - g) As-built drawings and details
  
- IV. Stage 4 – Project Management and Operations Plan
  - a) Project Management Plan
    - 1) Project Master Schedule/Plan
    - 2) Contractor Hiring Plan
    - 3) Contractor Performance Management Plan
    - 4) Procurement Plan
      - i. Machinery and equipment sourcing and purchasing plan
      - ii. Dockyard management and billing software sourcing and purchasing plan
    - 5) Quality Management Plan
    - 6) Change Management Plan
    - 7) Cost Control and Monitoring Plan

- 8) Document Control and Records Management Plan
- 9) Defects Liability Management plan
- 10) Construction phase closeout and handover Plan

b) Operations Plan

- 1) Define Organisational Structure
- 2) Define Services
- 3) Define Cost of Services
- 4) Define SOPs and work methods
- 5) Staffing Plan
- 6) Training and Induction Plan
- 7) Commissioning of Machinery and Equipment Plan
- 8) Maintenance and repair plan
- 9) Safety and Security Plan
- 10) Service Improvement plan

V. Stage 5 – Construction and Commissioning

a) Construction Phase

- 1) Contractor Performance Management in the Construction Phase
- 2) Procurement Management in the Construction Phase
- 3) Quality Management in the Construction Phase
- 4) Change Management in the Construction Phase
- 5) Cost Control and Monitoring in the Construction Phase
- 6) Document Control and Records Management in the Construction Phase
- 7) Finalise as-built drawings
- 8) Construction phase closeout

b) Commissioning Phase

- 1) Hiring of Staff
- 2) Training and Induction of Staff
- 3) Commissioning of Machinery and Equipment
- 4) Handover facility to operator

VI. Stage 6 – Opening and Operations

- a) Opening of dockyard
- b) Defects Liability Management
- c) Maintenance of dockyard, machinery, and equipment
- d) Service improvement
- e) Project handover

## Design and Development Requirements

- Design and Development Requirements (DDR) set out in this section must be met by Proponents.
- Consultant shall study the traffic patterns within and around the Maldives, traffic passing through the Eight Degree Channel (northern tip of Maldives), One and a Half Degree Channel, Equatorial Channel and off the southern tip of the Maldives.
- Consultant shall study the volume (numbers) and types of ships serviced by Lanka Dockyard and other competitive dockyards in the region/vicinity.
- The consultant shall study prospective and appropriate locations within the Maldives archipelago in relation to safe access and handling of vessels.
- The proposed dockyard is to be built in three phases and must be able to cater the size of ships described below in each of the three phases:
  - 1.1..1. Phase 1 - the facility must be able to cater ships up to 7,500 DWT
  - 1.1..2. Phase 2 - the facility must be able to cater ships up to 10,000 DWT
  - 1.1..3. Phase 3 - the facility must be able to cater ships up to 25,000 DWT
- The proposed dockyard must have a combination of docks and other ship haul-in and haul-out facilities that can serve vessels as small as 500 DWT.
- The proposed dockyard must feature appropriate docking facilities including (but not limited to) dry docks, syncrolifts, marine railways, slipways and piers that can serve the size of ships mentioned in 0.0.2 and 0.0.3.
- The facility must be accessible for light and heavy movement of goods from sea, land and air.
- The dockyard must be certified, to build and repair the size of ships described in 0.0.2, by a Classification Society who is an active member of the International Association of Classification Societies.
- Repair and new builds carried out at the dockyard must comply with SOLAS, MLC and ILO requirements.
- The design of every building and other facilities including (but not limited to) dry docks, syncrolifts, marine railways and piers in the dockyard must when loaded, be able to contain the forecasted wind spectrum, sea spectrum and seismic spectrum.
- All wharfs, piers and jetties must also be capable of meeting the design wind, sea and seismic spectrum loads acting on vessels berthed at those piers.

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- A design review of existing facilities using international building codes and mooring analysis shall be conducted.
- In addition to class certification the dockyard must be certified to Quality Management System requirements of ISO9001, Health and Safety requirements of ISO45001 and Environmental Management requirements of ISO 14001.
- The Consultant must include green/environment-friendly technology, as much as possible, to reduce carbon-footprint and OPEX.
- The Consultant must include automation technology to increase efficiency and reduce OPEX.
- The Consultant may include amenities and value-added services that it may seem suitable for commercial use.
- Consultant must comply with all local and international regulatory/legal requirements.



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