Mauritius Shipping Corporation Ltd

INVITATION FOR EXPRESSION OF INTEREST (EOI) FROM NAVAL ARCHITECT FIRMS FOR THE DESIGN OF A NEW SHIP BUILDING

1. Introduction

The Mauritius Shipping Corporation Ltd (MSCL) is a state-owned private company, incorporated in 1986. MSCL operates one passenger cum cargo vessel and one multipurpose/cargo vessel. MSCL has for objective to promote intra-regional trade/container feedering/ passenger operations in the Southwest of the Indian Ocean Region. The MSCL intends to procure a passenger cum cargo vessel [around LOA 115m, LBP 109 m, Summer Draft 6.2 m, passenger capacity of 25 cabins, 100 pullman seats (150 passengers), 34 crewmembers and 275 TEUS (including 40 reefer plugs), two deck cranes, hydraulic hatch covers, bow and stern thrusters] and is thus inviting EOI from potential Naval Architects who comply with the below requirements.

2. Objective of the Expression of Interest (EOI)

The objective of this EOI is to enable the MSCL to hire the services of a Naval Architect firm for the project development/ design in shipbuilding of the new passenger cum cargo vessel.

3. Eligibility

1. Professional Background: Provide a summary of your relevant professional experience as naval architect in the field of new vessel construction.
2. Ship Design and Construction: Discuss ability to develop preliminary designs, create detailed specifications, and oversee the construction process. Highlight knowledge of relevant regulations, classification society standards, and industry best practices.
3. Technical Skills: Showcase ability to apply technical skills in the design and construction of new vessels.
4. Knowledge of Regulations and Standards: Demonstrate understanding of the regulatory requirements and standards associated with new vessel construction, such as international conventions (e.g., SOLAS, MARPOL) and classification society rules.

A pre-selection exercise will be carried out and the selected Naval Architect firms will be invited thereafter to participate in a bidding process.

4. Scope of Work

The design services broadly include:

1. Conceptual Design: To assist MSCL Management in the initial stages of the new passenger cum cargo vessel design, develop the concept and basic design parameters. This includes determining the vessel's purpose, size, general layout, and performance characteristics;
2. Statement of Requirements: To draw a statement of requirements based on the specifications agreed with MSCL for the new passenger cum cargo vessel, outlining what is specifically needed from the new vessel;
3. Structural Design: design the structural elements of the new passenger cum cargo vessel, including the hull, decks, bulkheads, and superstructure, considering factors such as structural integrity, load-bearing capacity, weight distribution, and material selection to ensure the vessel's strength and durability;
4. Hydrostatics and Stability Analysis: perform hydrostatic calculations to determine the new passenger cum cargo vessel's stability, buoyancy, and trim and analyze factors such as draft, displacement, metacentric height, and freeboard to ensure the vessel meets safety and stability requirements;
5. Resistance and Propulsion: analyze the new passenger cum cargo vessel's resistance to motion and determine the most efficient propulsion system, considering factors such as hull shape, hydrodynamics, propeller design, and power requirements to optimize the vessel's performance and fuel efficiency;
6. Systems Design: design and integrate various systems and equipment onboard the new passenger cum cargo vessel. This includes the arrangement and routing of electrical systems, HVAC systems, piping systems, fuel systems, and other essential components;
7. Regulatory Compliance: ensure that the new passenger cum cargo vessel design complies with relevant international and local regulations, such as safety regulations, environmental standards, and classification society rules; and
8. Liaison and Coordination: collaborate with stakeholders involved in the new passenger cum cargo vessel construction project. This includes working closely with shipyard engineers, marine engineers, equipment suppliers, and owners to ensure effective communication, coordination, and integration of various design aspects.

5. Pricing: The proposals at this stage should not contain any rates and other costs

6. Qualifications & Experience

Interested firms must submit the following information in **three** copies:

i) Qualifications and experience of the Naval Architect Firm;

ii) Qualifications and experience of the proposed Team Leader of the Naval Architect Firm who should reckon a minimum of 10 years of experience in design works of similar nature;

iii) Qualifications and experience of the key staff in the Design Project Management Team to be deployed for this exercise;

iv) A list of similar projects and values undertaken in the previous 5 years.

7. Submission of the EOI

EOI should be submitted in a sealed envelope clearly marked "Design Services for Ship Building" at Mauritius Shipping Corporation Ltd, 2nd Floor, La Capitainerie Building, Quay D, Port Louis, Republic of Mauritius (Ref No. MSCL/01/23) and should be addressed to the Managing Director and deposited in the Tender Box **on or before 30 June 2023 at 1300 hrs (local time)** at latest.

The EOI will be opened in the presence of the bidder's representatives who choose to attend at the same place at **14 00 hrs (local time) on 30 June 2023**.

8. Queries

Any clarifications sought by any bidder in respect of the shortlisting exercise shall be addressed in writing to **the Managing Director, as per above address** so as to reach him at least seven (7) days before the deadline for the submission of the EOI.

9. The MSCL reserves the right to accept or reject any interest expressed and to annul the whole EOI exercise without hereby incurring any liability whatsoever to any participant.

The Managing Director,
Mauritius Shipping Corporation Ltd,
2nd Floor, La Capitainerie Building, Quay D,
Port Louis,
MAURITIUS.

MSCL Management, 01 June 2023
www.mauritiusshipping.net