

Technical Specification & Invitation to Tender

Project: Procurement of an Inland River Cruiser | Date: October 2026 | Status: Tender Document

Executive Summary Compliance Matrix

Category	Minimum Requirements / Mandatory Criteria
Dimensions	Maximum Air Draft: 3.80 metres . Water Draft Target/Optimum: 0.82 metres .
Accommodation	5 to 6 berths cumulative. Minimum 2 separate, dedicated cabins (saloon conversions strictly excluded).
Deck & Safety	Walk-around deck with continuous safety railings. Dedicated outside deck space optimized for working from.
Configuration	Fully functional flybridge with helm controls; heavy-duty stainless steel davits rated for a secondary tender.
Propulsion	Max 1,000 certified engine hours (second-hand); continuous logs. Integrated bow thruster(s) .
Tankage	Minimum 300-litre fuel tank ; high-capacity fresh water; grey water tank with deck pump-out .
Electronics	Helm chartplotter with digital charts covering the Shannon Navigation system ; depth sounder.
Electrical & Legal	Onboard generator ; 220-240V shore power; zoned heating. Out-of-water survey required; all defects rectified at vendor's expense.

1. Scope of Tender

This document outlines the formal technical specifications for the procurement of a river cruiser via public or private tender. Tendering parties must submit comprehensive compliance data fulfilling or exceeding all criteria defined below. Both new and second-hand vessels will be considered for procurement, provided that second-hand options strictly satisfy all mechanical, service history, and independent pre-purchase inspection requirements.

2. Vessel Dimensions & Clearance Constraints

- **Maximum Air Draft:** Strictly limited to a maximum of **3.80 metres** clear height above the waterline to ensure safe passage beneath overhead infrastructure and restricted bridge clearances along inland waterways.
- **Water Draft:** Set at an optimum target of **0.82 metres** to permit reliable navigation through shallow river sections, canals, and tight river locking systems without risk of grounding.

3. Hull, Cabins & Accommodation

- **Berth Capacity:** Minimum configurations accommodating 5 to 6 berths cumulative.
- **Cabin Layout:** Minimum of 2 separate, dedicated cabins, strictly excluding the convertible bedding options in the main saloon area.
- **Deck Configuration:** Must feature a fully functional flybridge equipped with secondary or primary helm controls.
- **Deck Access & Safety:** Must feature a suitable, wide walk-around deck configuration equipped with robust, continuous marine-grade safety railings to ensure safe crew movement during locking and mooring operations.
- **External Workspace:** Must provide a suitable, dedicated outside deck space (e.g., an elongated aft deck or cockpit area) specifically configured and optimized to serve as an open-air workspace or mobile office platform.
- **Tender Management:** Professionally fitted with heavy-duty stainless steel davits engineered and rated to safely support, hoist, and secure a secondary tender vessel.

4. Mechanical & Propulsion

- **Engine Hours:** Maximum of 1,000 certified operating hours cumulative since new (applicable to second-hand vessels).
- **Manoeuvrability:** Equipped with functional bow thruster(s) to safely assist with close-quarters docking and tight river lock handling.
- **Service History:** Propulsion systems must be fully serviced with continuous, transparent logs provided by an authorized manufacturer technician prior to final ownership transfer.
- **Fuel Capacity:** Minimum 300-litre dedicated fuel tank system fully compliant with modern marine safety standards.

5. Electronics & Navigation Systems

- **Marine Chartplotter:** Must be fitted with a dedicated, robust, waterproof, and sunlight-viewable electronic navigation chartplotter system at the helm(s).
- **Cartography & Mapping:** Pre-installed or supplied with comprehensive, authorized digital marine charts covering the complete Shannon Navigation system (including Lough Ree, Lough Derg, and all connecting river channels) detailing current depth shading and hazard parameters.
- **Depth Sounder:** Fully integrated, operational marine depth sounder / transducer calibrated to deliver real-time, highly accurate depth readouts to the active helm station(s) to guarantee safe passage planning in shallow or restricted waterways.

6. Electrical Systems & Heating

- **Onboard Generator:** Marine-grade auxiliary generator system properly configured to support substantial onboard electrical demands.
- **Shore Power:** 220-240V shore power hook-up connection integrated with a smart charging system and dedicated breaker distribution panel.
- **Climate Control:** Integrated marine heating system distribution channeled comprehensively throughout all main accommodation zones and cabins.

7. Tankage & Environmental Controls

- **Fresh Water Storage:** High-capacity potable water storage tanks ensuring self-sufficiency.
- **Grey Water System:** Dedicated grey water holding tank equipped with certified deck-mounted pump-out capabilities ensuring environmental compliance.

8. Survey, Engineering & Legal Compliance

- **Pre-Purchase Inspection:** Any proposed second-hand vessel must be made completely available for an exhaustive, independent engineering inspection by the buyer's appointed marine engineer prior to entering final sales agreements.
- **Condition Survey:** A recent out-of-water structural, hull, and mechanical survey must be conducted independently by an accredited marine surveyor.
- **Sign-off:** The survey report must be fully signed off with all major or structural defects rectified comprehensively at the vendor's expense prior to final close of sale.