

Landing Craft Specifications

Sample photo:



No.	DESCRIPTION	REMARKS
INFORMATION & SPECIFICATIONS		
1.	Summary	The vessel required is a brand new one and must meet the International Standard to build Ship. The Vessel should be a shallow-draft landing craft of approximately 46 metres in overall length. The primary function of the vessel is to transport fuels (Diesel oil, Jet A1, Petroleum) in ISO tanks and 200-litre steel drums, with a total cargo capacity of not less than 200 kL. ISO fuel tanks (capacity approx. 25 kL each) should be transportable on trailers. The landing craft must also have sufficient onboard fuel capacity to undertake long-distance operations, with a range of up to approximately 2000 nautical miles. Additionally, the vessel must be capable of operating in shallow waters with depths of about 2 metres and be able to beach on sand and coral for loading and offloading of ISO fuel tanks and 200-litre steel fuel drums.
	Specifications	<ol style="list-style-type: none"> 1. VESSEL TYPE: Steel Landing Craft Cargo Vessel 2. VESSEL FUEL: Marine Diesel Oil (MDO) 3. FUEL TANK CAPACITY: 35,000L (Distance: Tarawa to Kiritimati) 4. DRAFT LIGHTSHIP: 1 - 1.2m approximate 5. DRAFT LOADED: between 1.2 – 1.8m max

		6. LENGTH OVERALL: 43 - 46m 7. MOULDED DEPTH: < 3m 8. GROSS TONNAGE: 320 - 450 9. BEAM: 8.5 - 10m 10. MAIN DECK CARGO SPACE: Rough deck (non-slippery cargo deck), Not less than 350m ² cargo deck area with the eye-pad lifted on deck for ISO tanks lashing 11. ELECTRICAL POWER: 220-240v, 415v 3phase, 50 Hz, 50-60Kw x 2 (can be synchronised), Emergency genset air cool 25 -30kw 12. MAIN ENGINE: Shaft Generator output power 1 x ≥ 20Kw (Yanmar) 13. MAIN PROPULSION OUTPUT POWER: 2 x (350 – 400) kw 14. SEA CHEST: Low and High (for used in shallow waters and deep waters) 15. Keel cooler: located in a safe place 16. SPEED: Economic – 8-10kts / Max – 11-12kts 17. DECK LOAD/CARGO CAPACITY: 200 - 300 tonnes 18. WORKING LIGHTS: Main Deck working lights min. 2 x (2000w – 4000w) 19. NAVIGATIONAL EQUIPMENT: min. 2 Radar plotter, 2 GPS plotter, ECDIS, AIS, Echo Sounder, magnetic compass, Gyrocompass, barometer, clinometer, Auto steering. 20. RADIO EQUIPMENT: 1 Fixed VHF, 1 HF/MF Radio, 2 Rader Transponders, 21. LIFE SAVING APPLIANCES: Comply with SOLAS Chapter III 22. POLYTECHNICS: Comply with SOLARS Chapter III, Regulations 31 -35 23. FIRE FIGHTING EQUIPMENTS: Comply with SOLAS Chapter II 24. INTERCOM: Functional (Public Address System) 25. RANGE: 2000nm with 10% reserve 26. CREW: 10 27. PASSENGERS: 6 - 12 maximum (<i>passengers quarters/saloon</i>) 28. AIR CONDITION: The Bridge, Crew and Passenger quarters should be equipped with air conditioning. 29. RAMP: <ul style="list-style-type: none"> • LOAD CAPACITY: Max load on ramp 25 tonnes (to load tank-on-wheel total). • WIDTH: Not less than 5 meters • LENGTH: Not less than 6 meters 30. MAIN DECK LOAD: 5tonnes/m ² 31. ANCHORS: 2 anchors at the forecastle, 1 stern anchor 32. ANCHOR CABLE: Chain (5 shackles each) 33. WINDLASS: Hydraulic driven 34. CRANE: SWL 5 tons, boom length 10 – 12 m (attached to frame) 35. BOTTOM HULL: Must be Flat Bottom. 36. Fresh water tank (20 tonnes - minimum) with Desalination plant (RO – 200L/hr) and water fountain 37. Day and Night DG signal
	Additional	1. 200 steel drum lifting gear (6 full drums per lift) 2. Working cargo net (synthetic net) x 2 3. Lifting cargo wire sling (4m x 4) 4. Discharge hose (300m) and pump for ISO transfer 5. Keel 12mm 6. Bottom 10mm 7. Deck & Hull 8mm 8. Partition 8mm
	Documents required in tender submission	1. GA Plan, Line plans, Scantling 2. Trim and Stability document

		3. Hydrostatic table 4. Tank capacity table
4.	Classification	IACS member or RO recognized by the Kiribati Maritime Department.
