



INFORMATION SHEET FOR PROCUREMENT OF LANDING CRAFT

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Issued by:
Fenaka Corporation Limited
Male', Republic of Maldives

LANDING CRAFT TECHNICAL SPECIFICATION

1) PRINCIPAL SPECIFICATION:

L. O. A.	:40.000M
Breath Mld.	:9.754M
Depth Mld.	:2.438M
Design Draft	:1.800M
F. O. TK.	:17 M ³ (approx.)
Cargo TK.	:200 M ³ (approx.)
F. W. TK.	:14 M ³ (approx.)
Crews	: 12 Men
Class	: Local class
Design Speed	: 10 Knots (approx.)

2) PROPULSION SYSTEMS:

Main Engine	:2 units 500 HP WeiChai / Yamma / Cummins / Caterpillar
Gearbox	:2 units Marine Gearbox
Shaft	:2 units Ø 4.5" (SS304) shaft
Propeller	:2 units 4-blades manganese bronze propeller (Open type)

3) POWER SYSTEM:

Generator	:2 units of generator minimum 50KW of either WeiChai, Yamma, Cummins, Caterpillar
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4) DECK MACHINERY & EQUIPMENT: -

Ramp+Anchor Winch	- Two (2) hydraulic ramp + anchor windlass c/w gypsy and drum.
Anchor	- Two (2) 360kg stockless anchors.
Anchor Chain	- 385M x Ø17.5mm stud link cable with accessories.

5) ELECTRICAL: -

- All electrical cables and accessories (switch boxes, bulbs etc.) will be of marine type. Running of electrical cable to be installed in proper trunkings.
- Electrical switchboard and wiring works to meet class requirement.

6) STERN TUBE ASSEMBLY:

- Water lubricated stern tube with rubber bearing, stuffing box, grease packing & gland packing.

7) PUMPS, PLUMBING AND PIPING:

- All pumps and pipes are to be arranged according to Good Marine Practice and to meet Classification Requirements.
- Main piping material used shall be as follows: -
 - (i) Fuel Oil piping - API mild steel sch 40
 - (ii) Lub oil Piping - API mild steel sch 40
 - (iii) Bilge & Ballast piping - Galvanized steel sch 80 (Hot dip)
 - (iv) Cooling piping - Galvanized steel sch 80 (Hot dip)
 - (v) Sea water piping - Galvanized steel sch 80 (Hot dip)
 - (vi) Fresh water piping - Galvanized steel sch 40

Equipment note.

- Bilge / Ballast pump
- Fire / G. S. pump
- Transfer pump
- F.W. Pressure pump
- S.W. Pressure pump
- Rotary hand pump

8) WHEELHOUSE EQUIPMENT:

- Steering and control console fitted with instrument panel, main engine control, switches for navigation light, search light, flood lights, horn button, intercom, rudder indicator etc.
- One (1) chair
- Two (2) spare power point (230V)
- One (1) Ø250mm clear view screen
- One (1) chart table c/w drawer
- One (1) flag locker
- One (1) 12,000BTU split type air conditioning (domestic)
- Curtain all around the wheelhouse

9) STEERING GEAR SYSTEM:

- 2.0TM electro-hydraulic steering gear c/w joystick of single station control.

10) COMMUNICATION & NAVIGATION EQUIPMENT:

- One (1) Magnetic Table Compass
- One (1) VHF Transceivers
- One (1) SSB Radiotelephony
- One (1) 36NM Radar
- One (1) GPS
- One (1) Bridge Navigational Watch & Alarm System
- One (1) Echo Sounder
- One (1) AIS (Class A)
- One (1) EPIRB.
- Laptop 14"
- 3 in 1 Printer

11) SHIP COMMUNICATION:

- One (1) set of electric horn
- Three (3) unit of wall mounted type inter-phone (KOCOM)
- PA system

12) NAVIGATION LIGHTS APPLIANCES:

- One (1) full set navigation lighting

13) FIRE FIGHTING & SAFETY APPLICANCES:

- Two (2) units 12 men inflatable life rafts
- Eight (8) Solas approved lifebuoy
- Three (3) fire buckets painted in RED and marked "FIRE"
- Fourteen (16) Solas approve life jackets c/w whistle and light
- Twelve (12) rocket parachute flare
- One (1) ship bell
- Two (2) self-ignitions light
- Two (2) self-activating smoke signal & light (MOB)
- One (1) fire axe
- One (1) set 1.5" x 10M rubber lining fire hose c/w coupling & combine nozzle
- Two (2) set 1.5" x 15M rubber lining fire hose c/w coupling & jet nozzles
- Seven (7) powder type + One (1) foam type + One (1) CO2 type fire extinguisher
- One (1) scoop
- One (1) set International Code Flag

- One (1) medicine kit
- One (1) fire blanket
- One (1) set fireman's outfit
- One (1) emergency fire pump
- One (1) line throwing apparatus
- Nautical / IMO publication

14) ENGINE ROOM:

- One (1) 0.25m³/hr Oily Water Separator
- One (1) lube oil tank 200L (approx.)
- One (1) engine telegraph
- Two (2) blower fan
- One (1) tool bench
- One (1) set fuel water separator
- One (1) main switch board (non-synchronize)
- One (1) steering gear system power pack
- One (1) anchor + ramp winch power pack
- Vessel cooling system must be from c-chest

15) GALLEY:

- Galley corner fitted with stainless steel sink and hanging cabinet above
- Two (2) spare power point (230V)
- One (1) unit induction cooker
- One (1) exhaust fan in galley
- One (1) domestic refrigerator
- One (1) domestic freezer

16)MESS ROOM:

- One (1) L-shape benches and one (1) table
- One (1) 12,000BTU split type air conditioning (domestic)
- 32' TV
- DVD player
- Refrigerator (2 door / 200 liters)
- Chest Freezer (250 liters)
- Water dispenser
- Electric kettle
- Rice cooker (4 liters)
- Cooking utensils

17) TOILET:

- Two (2) sitting type toilet
- Two (2) ceramic wash basin c/w F.W. tap
- Two (2) shower point with coat hook and soap dish.
- Two (2) mirror

18) ACCOMMODATION - SINGLE CABIN:

- One (1) built-in berth
- Two (2) spare power point (230V)
- One (1) desk with drawer and One (1) chair
- One (1) clock
- 2 mattress, 2 blanket, 2 pillow, 2 bolster
- One (1) wardrobe/cabinet
- One (1) 8,000BTU split type air conditioning (domestic)

19) ACCOMMODATION – 2/4/6 MEN CABIN:

- Sufficient built-in 2-tier berth
- Two (2) spare power point (230V)
- One (1) desk with drawer and One (1) chair
- One (1) clock
- One (1) wardrobe/cabinet
- One (1) 8,000BTU split type air conditioning (domestic)
- 10 mattress, 10 blanket, 10 pillow, 10 bolster
- Curtain for bunks

20) CARPENTRY WORK:

- Non-combustible material to be used for panelling accessories at wheelhouse, mess room and accommodation.

21) FENDERS:

- Pipe fender & used tyres all round at appropriate places.
- Used tyres of size 1000

22) LAUNDRY:

- One (1) 8kg domestic washing machine

23) PAINTING, HULL FINISH AND CATHODIC PROTECTION:

- All external surface of bottom and side plating of the steel hull plate to be wired brushed and before applying. Three (3) coats of Exterior & Interior of Hempel Marine paint according to the shipyard standard practice.
- Thirty-Two (32) bolt type zinc anodes to be fitted at Hull.

24) MATERIAL AND SCANTLING:

Keel plate	:	12.00mm
Bottom Plate	:	9.00mm
Side Plate	:	9.00mm
Main Deck plate	:	9.00mm
Bulkhead plate	:	8.00mm
Superstructure	:	6.00mm

- Scantlings will be based on Naval Architect's Design proposal.

25) MAST LIGHT:

- Fixed type.

26) DELIVERY:

- Final inspection and trial will be at Builder's shipyard.
- Price must be FOB.
- Delivery price must be given separately.

27) EXCLUSION:

- License Registration and any other expenses or items not mentioned or listed thereof are not included, such additional costs shall be borne by FENAKA.
- Warranty shall be limited to the engines' manufacturer's standard form of warranty terms and conditions.

Fenaka Corporation Ltd. shall confirm that the following legal documents and information have been provided in the Bid. If any of these documents or information is missing, Fenaka Corporation Ltd. reserves the right to reject the offer.

- Company Registration Certificate
- GST Registration Certificate
- SME Registration Certificate
- Company Profile
- Bid Security / Bid bond (As per Tender announcement on gazette).
- All pages of the bid document shall be stamped and bound properly (excluding the bid security)
- Contact Details
- Drawings
- Landing craft specification:
- Experience letters.
 - Letter within past five (5) years Letter with project name and value
 - This company only acknowledges experience letters which proves the landing craft have been supplied to Maldives.

Note: Bids lacking the documents mentioned in Qualification criteria can compromise the Bid

- It is in Fenaka Corporation Limited's discretion to cancel the bid invitation.
- Local companies registered in Maldives are eligible to participate in the tender.
- Foreign companies are eligible to participate in the tender only if the total bid value is above 2,500,000 Maldivian Rufiyaa.
- Bidders that arrive after the bid submission deadline shall not be able to participate in the bid.
- Bidders that do not register for the tender are unable to participate in the bid opening.
- The bid document must meet minimum criteria and include all required documents; otherwise, it will be rejected. Bidders should submit supporting documents with their proposals, using reference numbers provided.
- Vendors must quote prices for all items as specified; partial offers will be rejected. Failure to provide specified services or products will lead to bid rejection by Fenaka Corporation Ltd.

- Bidders must clearly state the total cost during bid opening, failure results in disqualification. Vendors can submit a maximum of two bids, clearly stating the total price for each option, or face disqualification.
- In bid evaluation, if there's a discrepancy between unit and total price, unit price prevails; vendor dispute may lead to bid rejection.

Evaluation Criteria

PRICE 60%

Experience 30%

Payment terms 10%

Experience letters.

- Letter within past five (5) years Letter with project name and value
- **This company only acknowledges experience letters which proves the landing craft have been supplied to Maldives.**