

Tender Addendum No. 2

Tender Reference: Marine Department Shipbuilding Tender No. 3/2020
Procuring Department: Marine Department
Subject: Supply of Six (6) High Speed Boarding Craft for the Hong Kong Police Force within 24 months after the Contract Date

Amendments as follows:

1. Paragraph 3.7.10 of Part VII – Technical Specifications

3.7.10 Working dogs (each of which is weighing below 35 kg) will be required to be carried on the Vessel. Three (3) proprietary made aluminium carriage boxes, each for one working dog, shall be supplied, with the length, breadth and height of approximately 1200 mm, 400 mm and 450 mm respectively. The carriage box shall be strong and designed with good ventilation, and with an electric ventilation fan. The lid of the box shall facilitate partial opening, and come with fast loose end straps for the safety of the dog while the Vessel is moving at speed. Lifting points and wheels shall be provided for moving the carriage box with or without the working dog inside. Attachment points integrated to the deck railing system shall be incorporated into the design of the carriage box securing arrangement.

Should read as

3.7.10 Working dogs (each of which is weighing below 35 kg) will be required to be carried on the Vessel. Three (3) proprietary made aluminium carriage boxes, each for one working dog, shall be supplied, with the length, breadth and height of approximately 1200 mm, 400 mm and 450 mm respectively. **The Contractor shall supply these three (3) proprietary made aluminium carriage boxes, in total, and not for each Vessel.** The carriage box shall be strong and designed with good ventilation, and with an electric ventilation fan. The lid of the box shall facilitate partial opening, and come with fast loose end straps for the safety of the dog while the Vessel is moving at speed. Lifting points and wheels shall be provided for moving the carriage box with or without the working dog inside. Attachment points integrated to the deck railing system shall be incorporated into the design of the carriage box securing arrangement.

2. Paragraph 7.2.6(b)(viii) of Part VII – Technical Specifications

7.2.6 (b) Power Supplies

(viii) All the displays of the ENE equipment shall be connected to an external switch for controlling the power on or off status of the displays of ENE and the illumined device on the control panel. The actual devices to be connected to this external switch shall be subjected to approval by HKPF.

Should read as

7.2.6 (b) Power Supplies

(viii) **Selected** ENE equipment shall be connected to **individual** external switches for controlling the power on or off status of the **individual** ENE equipment and the illumined device on the control panel. **The location of external switches shall be easily accessible.** The actual devices to be connected to **the** external switches shall be subject to approval by HKPF.

The revised pages (with indication of “Revised on 8 January 2021” at the header) are attached for replacement. Please replace the relevant pages by the revised ones attached and submit your tender together with the revised pages.

The above amendments and previous amendment(s) in Tender Addendum No. 1 shall form part of the Tender Documents. Apart from the above, all other terms and conditions of tender/contract shall remain unchanged.

Interested parties are reminded that the Tender Closing Date is **23 April 2021**. To be considered as a valid tender, tenderers must deposit their tender proposals in the Government Secretariat Tender Box situated in the Lobby of the Public Entrance on the Ground Floor, East Wing, Central Government Offices, 2 Tim Mei Avenue, Tamar, Hong Kong **before 12:00 noon on Friday, 23 April 2021** in accordance with the manner stipulated in the Tender Documents. A late tender or a tender not submitted in accordance with the manner stipulated in the Tender Documents will not be considered further.

If you have already submitted your tender proposals and wish to make changes to them, you should do so by submitting a revised proposal in accordance with the manner stipulated in the Tender Documents.

- f) Protective covers: Covers shall be supplied to protect all of the seats from rain and ultraviolet radiation when not in use.
- 3.7.4 Two (2) shock mitigating seats each with arm rests, handrails and drop-down seat cushions shall be provided immediately aft of the console for the coxswain and navigator. These seats shall be designed with progressive dampening for a range of 200 mm, with adjustable shock absorbers for personnel of normally expected weights, and safety harness. A foldable, height adjustable footrest for use when seated shall be attached to the console in front of each seat. The seats shall be height adjustable and movable fore and aft for personnel of different heights to maintain reach of the footrest and controls on the console. The range of movement will be confirmed with HKPF and GNC in the kick-off meeting.
- 3.7.5 Nine (9) independent shock mitigating double-seat units for 18 persons shall be provided, and each unit shall have the rear seat pan being able to be folded down. The double-seat units shall have progressive dampening for a range of 220 mm. Storage space of at least 25 litres capacity shall be provided under the front seat pan of the units. Each of these units shall be mounted independently on the track railing attachment system on the deck, and shall be removable independently when needed. Depending on the design of the Vessel, these units shall be secured in front and aft of the console.
- 3.7.6 One (1) removable dampened bolster or drop-down seat to be mounted on the deck track/rail system at fore deck for Poleman shall be provided.
- 3.7.7 The seats mentioned in Paragraphs 3.7.4, 3.7.5 and 3.7.6 of this Part VII shall be capable of progressive dampening travel, manual height adjustment as well as fore and aft adjustment and be mounted in a manner which will enable them to be removed, repositioned or replaced. Further specifications shall be discussed at the kick-off meeting and agreed by the HKPF.
- 3.7.8 A recessed track railing attachment system consisting of flush fitting for seat mounting and securing points of deck equipment shall be fitted on deck and on inboard side of gunwale (both port and starboard side). The cockpit length shall be maximised to facilitate the maximum track length for maximum flexibility in payload. The track may be non-continuous if required to facilitate soft patches for void space/fuel tank access, but the discontinuities shall be minimised, and it shall be ensured that seats can be fitted spanning the discontinuities. The track railing system shall be provided for allowing the maximum possible combinations of seat arrangements where multiple sets of track or rail are expected.
- 3.7.9 Recessed tracks as mentioned in Paragraph 3.7.8 of this Part VII shall also be fitted on the deck immediately in front of the console to allow for the installation of seating and storage boxes using tie-down points as required.
- 3.7.10 Working dogs (each of which is weighing below 35 kg) will be required to be carried on the Vessel. Three (3) proprietary made aluminium carriage boxes, each for one working dog, shall be supplied, with the length, breadth and height of approximately 1200 mm, 400 mm and 450 mm respectively. The Contractor shall supply these three (3) proprietary made aluminium carriage boxes, in total, and not for each Vessel. The carriage box shall be strong and designed with good ventilation, and with an electric ventilation fan. The lid of the box shall facilitate partial opening, and come with fast loose end straps for the safety of the dog

- while the Vessel is moving at speed. Lifting points and wheels shall be provided for moving the carriage box with or without the working dog inside. Attachment points integrated to the deck railing system shall be incorporated into the design of the carriage box securing arrangement.
- 3.7.11 Notwithstanding the requirement for all deck area to be covered with anti-slip paint or coatings as specified in Paragraph 3.3.9 of this Part VII, all areas of the deck shall be covered by shock/vibration mitigating material or equivalent in such a manner that the removal of any of the shock-mitigating seating specified at Paragraphs 3.7.4, 3.7.5 and 3.7.6 above will result in surface free of trip or snag hazards.
- 3.7.12 Suitable handrails and grips, coated with appropriate anti-slip material, shall be provided at the console, and at other locations around the Vessel to enable operators to move safely around the Vessel at all times. The exact arrangement of these handrails is to be confirmed with HKPF at the kick-off meeting.
- 3.7.13 All flat, horizontal surfaces above deck level where personnel may step such as gunwales and bow boarding platform shall be coated with an appropriate anti-slip material, the specification of which is to be agreed with HKPF at the kick-off meeting.
- 3.7.14 Pop-up stainless steel mooring cleats, stainless steel padeyes and tie downs shall be provided. Numbers and position shall be discussed at the kick-off meeting and agreed by MD and the HKPF.
- 3.7.15 Removable stowage, transport attachments on deck rails and affixing points shall be provided for the following items of equipment:
- a) Folding diving ladder together with their securing points on aluminium gunwale along the boat sides;
 - b) Securing point for carriage of two (2) rescue tubes (or lifeguard rescue cans) as stated in Paragraph 6.2.2 of this Part VII;
 - c) Securing points with shock dampening for transport of wind up pole;
 - d) Securing points with shock absorption for transport of swimmer ship boarding pole;
 - e) Securing points for transport of casualty stretcher; and
 - f) Securing point for transport of air launcher (and spare bottle 11 litres).
- 3.7.16 All deck level tie-down points shall be flush fitting or removable to minimise trip and snag hazards.
- 3.7.17 All gunwale fittings such as cleats and bollards shall be designed to minimise the risks of line tangling or snagging through being recessable, foldable or flush fitting.
- 3.7.18 The designs of the fixtures, fittings and finishing specified at Paragraph 3.7 of this Part VII shall be discussed during the kick-off meeting and drawings shall be submitted to GNC and HKPF within one month from the date of the kick-off meeting for approval.

- (ii) Ambient temperature between 0 °C and 40 °C; and between -5°C and +50°C if the equipment (including display units and antennae) is exposed to the open air.
 - (iii) Relative humidity up to 95%, non-condensing.
 - (iv) Salt and chemical corrosion as found in a tropical coastal atmosphere.
 - (v) Materials that promote mould growth shall not be used.
 - (vi) ENE shall be capable of withstanding the knocks and jolts likely to occur during repair work or rough handling.
- b) Power Supplies
- (i) The power supply for all ENE shall be protected by appropriate circuit-breakers.
 - (ii) All the ENE shall be capable of working normally when powered by the Vessel's battery-backed DC supply system. A DC/DC converter shall be provided if the equipment cannot operate at this voltage.
 - (iii) Two spare power supply connections shall be required with a negative earth and be connected to a designated 12 or 24 Volt DC (nominal) battery-backed power supply. The battery shall be charged up when an engine generator is working.
 - (iv) There is a possibility of DC leakage through the negative grounding to the DC battery power bank on the supplied Equipment if it is not connected properly. The Contractor shall take precautions to prevent this type of leakage, e.g. by using an isolation converter.
 - (v) The ENE's power supply shall be compatible with the Vessel's electrical system. If necessary, a voltage stabilizer or regulator shall be provided and installed to maintain the ENE in proper working condition when connected to the unsteady DC voltage from the generator.
 - (vi) Adequate provision shall be made to protect the ENE from the adverse effects of excessive voltage, current spikes and surges.
 - (vii) Suitable devices shall be incorporated for protecting the ENE and its accessories against damage due to lightning and unregulated DC power supply on board.
 - (viii) Selected ENE equipment shall be connected to individual external switches for controlling the power on or off status of the individual ENE equipment and the illuminated device on the control panel. The location of external switches shall be easily accessible. The actual devices to be connected to the external switches shall be subject to approval by HKPF.
- c) Safety
- (i) All ENE supplied shall be of a safe design and shall be installed in a safe manner as approved by the MD and HKPF. The standard of installation shall enhance the Equipment's safety features and not present any hazards to the user.