



Introduction

The Maritime and Coastguard Agency (MCA) is an Executive Agency of the Department for Transport. The MCA is responsible throughout the UK for implementing and developing the UK Government's maritime safety and environmental protection policy. That includes co-ordinating Search and Rescue (SAR) at sea through Her Majesty's Coastguard 24 hours a day, and checking that ships meet UK and international safety rules. The MCA work to prevent the loss of lives at the coast and at sea, to ensure that ships are safe, and to prevent coastal pollution: Safer Lives, Safer Ships, Cleaner Seas.

The MCA provide a full range of search and rescue, counter pollution, survey, inspection and enforcement activities and has 12 major business activities:

Survey	Seafarers Services
Inspection	Search & Rescue
Enforcement	Pollution Response & Salvage
Ship Registration	Stakeholder Communication
Navigation Services	Ministerial Services
Strategic Prevention Design/Development	Regulatory Process

These activities are supported by support services responsible for providing a range of administrative functions including infrastructure, MCA people, financial management & administration and corporate management.

You are invited to submit a tender to the following Specification:

CONTRACT REFERENCE: TCA 3/7/1132

400M of Heavy-Duty Inflatable Offshore Oil Containment Boom and Two Hydraulically Driven Boom Reels

1. General Requirement

- 1.1** The MCA has a requirement to purchase 8 x 50 metre lengths (400m in total) of Heavy-Duty Inflatable Offshore Oil Containment Boom and Two Hydraulically Driven Boom Reels in two lots.
- Lot 1 – 400m in total of Heavy-Duty Inflatable Offshore Oil Containment Boom
 - Lot 2 – Two Hydraulically Driven Boom Reels
- 1.2** Suppliers may tender for one or both lot(s), and the MCA will award each lot to the potential supplier that submits the most economically advantageous tender for it according to the criteria set out in this document and the Instructions for Tenders.
- 1.3** Potential suppliers who wish to offer a discount for the purchase of both lots should detail this on the relevant section of the Pricing Schedule.
- 1.4** Information requested from suppliers throughout this specification and within the Instructions on Submission of Tenders documents may be available on the internet or in printed literature. In order to assist the MCA with the evaluation process, it is essential that the responses to the requirements are included within your tender response and not simply to include internet links or enclose brochures.

2. Technical Specification

LOT 1 - Heavy duty inflatable offshore oil containment boom

- 2.1** Full technical specification of boom should be provided. MCA requirement is that the boom should be between 1500mm and 2000mm in height. If different boom options are available these should be fully described as to their functionality and dimensions.
- 2.2** The boom should be constructed of seamless heavy-duty neoprene rubber, which is resistant to UV and abrasion and has a high tensile strength and durability. The external boom skin should be fabricated of Hypalon rubber or a similar material.
- 2.3** The boom connectors should be ASTM.
- 2.4** The boom should feature a galvanised steel ballast chain to ensure stability once deployed.

- 2.5** MCA require the boom to incorporate separate air chambers in each boom section, to ensure that freeboard is maintained if one of the air chambers is deflated.
- 2.6** Please specify the maximum operating parameters with regard to sea state and towing speed; evidence of testing should be provided.
- 2.7** The inflation valves should be constructed of aluminium and easily interchangeable.
- 2.8** Long-term durability of the supplied equipment is a key requirement for the MCA, so the boom must also:
- Have a minimum expected service life of 15 years.
 - Be straight-forward to deploy, clean and maintain.
- 2.9** The MCA wishes to purchase a proven solution. Evidence of the boom testing either in use or in a realistic simulated environment, must be provided.
- 2.10** The boom must be deployable from the deck of a towing vessel and inflated as it is unwound from the reel then deployed over the stern of the vessel. It should be possible for the operators to manually handle individual sections of boom with the assistance of the hydraulic reel and a sea anchor or secondary vessel.
- 2.11** Inflation of boom sections should be possible with one or two operators equipped with air blowers. Inflation method should be fully described by tenderers, this must be quick straight-forward and have single point inflation with one-way valves.

3. Technical Specification

LOT 2 – Two Hydraulically driven Boom Reels

- 3.1** Tenderers are reminded this is a separate lot and bids will be accepted only if submitted as such.
- 3.2** The 400m of boom will be stored on two hydraulically driven boom reels as separate 200m lengths. The reels must be compatible with the MCA's Vikoma GP10 2-e hydraulic power packs which have a 150-bar maximum system pressure. Evidence of your tendered solution's compatibility with this power pack should be provided in your tender. See link below for details:

https://opecsystems.com/persistent/catalogue_files/products/gp10-2powerpack7.02.pdf

- 3.3** The reels should be constructed of weather and saltwater resistant marine grade materials, with a protective paint or enamel finish. Protective covers should also be provided.

- 3.4 The reels must feature forklift pockets and attachments for lifting slings.
- 3.5 The reel must be controlled with a directional controlled lever, allowing straight-forward and smooth operation.
- 3.6 The MCA wishes to purchase a proven solution. Evidence of testing either in use or in a realistic simulated environment, must be provided.

4. Warranty

- 4.1 We regard warranties as an important component of achieving overall best value for money. Full details of your warranty on the tendered equipment is required, including the period of cover – we would require a minimum of 24 months. Please explain if in-house maintenance by the MCA's equipment storage contractors affects your warranty terms.

5. Technical Support

- 5.1 The Tenderers shall detail what technical support and back up they are able to provide. This should include:
 - Customer Support Contact numbers and email addresses, Standard support service availability times for this offer – e.g. 0900 to 1800 Monday to Friday, Monday to Sunday, full 24/7, etc.
 - Maximum standard and emergency response times, to attend site if required & maximum standard and emergency times to fix a fault.

6. Maintenance

- 6.1 Tenderers are required to provide maintenance requirements and schedules.
- 6.2 Tenders should include the expected life of all components and consumables, when stored ready for use, and if applicable, details of how the expected life of all components and consumables are affected by one or more uses.
- 6.3 This should include recommendations of what should be held in our stock as a spare/repair package. The cost should be detailed in the Pricing Schedule under Ancillaries and Spare Parts.

7. Delivery

- 7.1 The delivery price should be included in the overall cost as per the Pricing Schedule.
- 7.2 Suppliers must state in their tender the lead time for delivery to Barnsley, UK. Delivery on or before 31st March 2020 is a **critical factor** and is a mandatory requirement for any Tender to be taken forward at the evaluation stage.

8. Proposed Procurement Timetable

Description	Date
Tender published on Contracts Finder	10 th February
Final date for Queries / Questions	4pm 17 th February
Bid Submission date and time	11am on 24 th February
Proposed Contract Award	26 th February
Delivery date	<u>Before</u> 31 st March 2020