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Tender

Emergency Breathing System (EBS) and In-Service Support

Ministry of Defence

F02: Contract notice

Notice identifier: 2023/S 000-017152

Procurement identifier (OCID): ocds-h6vhtk-03d6ed

Published 16 June 2023, 11:16am

Section I: Contracting authority

I.1) Name and addresses

Ministry of Defence

Abbey Wood

Bristol

BS34 8JH

Contact

Beau Morgan

Email

beau.morgan117@mod.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://contracts.mod.uk>

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://contracts.mod.uk>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://contracts.mod.uk>

Tenders or requests to participate must be submitted to the above-mentioned address

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://contracts.mod.uk>

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Defence

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Emergency Breathing System (EBS) and In-Service Support

Reference number

708090450

II.1.2) Main CPV code

- 44611200 - Breathing apparatus

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Single Statement of Need (SSON), for an emergency breathing system is: UK MOD personnel shall, as far as is reasonably practicable, be provided the means to extend time underwater so that escape from an aircraft, which has capsized or submerged as a result of an attempted controlled ditching or an uncontrolled water impact, is achievable if not constrained by external factors outside of what is expected.

Aim of the procurement is to:

1. Procure an Emergency Breathing System (EBS) to BSEN 4856: 2023 and to reduce Risk to Life (RtL) to As Low As Reasonably Practicable (ALARP);
2. Create a contract which provides a through-life procurement and support solution to improve repairs and spares availability, reduce delivery times and minimise the future contract management burden for The Authority: and
3. Maintain or reduce the overall cost of ownership through life.

The procurement has three major outcomes required from the same supplier and contract as follows:

1. One off bulk procurement and delivery to shelf of new compliant EBS units to be delivered in FY 24/25. This will be in the region of 1,300 units depending on budget and final price.
2. To create a through-life contract which supports the following elements:
 - i. Repair of agreed components by the OEM. e.g., mouthpiece and regulator and bottle regulator;
 - ii. Provision of simple repair packs for second line to use;
 - iii. Provision of parts to second line as required;
 - iv. EBS equipment unit serviced by the OEM;
 - v. Design and deliver 10 "Train the trainer" courses for 5 x maintainer instructors and 5 x user instructors;
 - vi. Design and support the set-up, evaluation, support and delivery of test articles;
 - vii. Creation of a support help desk/portal to manage and resolve satisfactorily:
 - a. Technical enquires or issues;
 - b. Spares identification;
 - c. New unit, spares, repairs or servicing (if required) enquires and order placement
 - d. Delivery times on new orders or work in progress;
 - e. Training issues and documentation;
 - f. Safety issues and documentation; and
 - g. ILS issues and documentation.

The Potential Provider is to note that the PQQ shall test your technical and professional ability on your past experience of delivering a single EBS solution to the minimum technical standards of the BS EN 4856:2018 or equivalent standard within the last five years. You must satisfy yourself that at ITT stage your proposed solution has a high likelihood of complying to the updated standard of BS EN 4856:2023 for your tender to be successful.

II.1.5) Estimated total value

Value excluding VAT: £1,800,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

1. A small Emergency Breathing System (EBS) provides a means to extend the time available for a user to remain underwater while actioning emergency egress drills from a capsized or submerged rotorcraft. Such a system is required by the MOD for aircrew to ensure that Risk to Life (RtL) is As Low As Reasonably Practicable (ALARP) and tolerable.

2. UK MOD personnel shall, as far as is reasonably practicable, be provided the means to extend time underwater so that escape from an aircraft, which has capsized or submerged as a result of an attempted controlled ditching or an uncontrolled water impact, is achievable if not constrained by external factors outside of what is expected.

3. The aim of this procurement is to:

- a. Procure an EBS to BS EN 4856:2023 Category A (in the region of 1300 units).
- b. Provide a through-life Integrated Logistics Support (ILS) solution for that EBS covering Training, Servicing, Maintenance and Repair.
- c. Deliver improved Social Value during the term of the Contract.

4. Background

4.1. When a helicopter ditches, it commonly inverts and sinks rapidly. Even if the accident is survivable, historic data shows that approx. fifteen percent of the crew and occupants will perish. When ditching in water the inability to breath-hold long enough to make an escape from the rapidly sinking, flooded, inverted helicopter represents a major hazard. This hazard increases in cold water because, in this situation, maximum breath-hold time can be just a few seconds. EBS provide means to extend the time available for users to remain submerged under water whilst actioning emergency egress drills from a submerged Air System.

5. The Requirement

5.1. The Single Statement of Need (SSON), for an emergency breathing system is: UK MOD personnel shall, as far as is reasonably practicable, be provided the means to extend time underwater so that escape from an aircraft, which has capsized or submerged as a result of an attempted controlled ditching or an uncontrolled water impact, is achievable if not constrained by external factors outside of what is expected.

5.2. Aim of the procurement is to:

1. Procure an Emergency Breathing System (EBS) to BSEN 4856: 2023 and to reduce Risk to Life (RtL) to As Low As Reasonably Practicable (ALARP);

2. Create a contract with the same supplier which provides a through-life procurement and support solution to improve repairs and spares availability, reduce delivery times and minimise the future contract management burden for The Authority: and

3. Maintain or reduce the overall cost of ownership through life.

5.3. The procurement has three major outcomes required from the same supplier and contract as follows:

1. One off bulk procurement and delivery to shelf of new compliant EBS units to be delivered in FY 24/25. This will be in the region of 1,300 units depending on budget and final price.

2. To create a through-life contract which supports the following elements:

i. Repair of agreed components by the OEM. e.g., mouthpiece and regulator and bottle regulator;

ii. Provision of simple repair packs for second line to use;

iii. Provision of parts to second line as required;

iv. EBS equipment unit serviced by the OEM;

v. Design and deliver 10 "Train the trainer" courses for 5 x maintainer instructors and 5 x user instructors;

vi. Design and support the set-up, evaluation, support and delivery of test articles;

vii. Creation of a support help desk/portal to manage and resolve satisfactorily:

a. Technical enquires or issues;

b. Spares identification;

- c. New unit, spares, repairs or servicing (if required) enquires and order placement
- d. Delivery times on new orders or work in progress;
- e. Training issues and documentation;
- f. Safety issues and documentation; and
- g. ILS issues and documentation.

To deliver improved Social Value during the term of the Contract.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months

120

This contract is subject to renewal

No

II.2.9) Information about the limits on the number of candidates to be invited

Maximum number: 6

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: Yes

Description of options

The Contract term shall be Seven years with an option to extend for Two years, plus a further

One year. Maximum 10 years.

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Restricted procedure

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No

IV.2) Administrative information

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

19 July 2023

Local time

12:00pm

IV.2.3) Estimated date of dispatch of invitations to tender or to participate to selected candidates

11 August 2023

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 6 (from the date stated for receipt of tender)

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.2) Information about electronic workflows

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

VI.4) Procedures for review

VI.4.1) Review body

Ministry of Defence

Abbey Wood

Bristol

BS34 8JH

Country

United Kingdom

Internet address

<https://des.mod.uk>