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Tender

Human Machine Teaming (HMT)

Ministry of Defence

F02: Contract notice

Notice identifier: 2022/S 000-014432

Procurement identifier (OCID): ocds-h6vhtk-033f06

Published 24 May 2022, 6:49pm

Section I: Contracting authority

I.1) Name and addresses

Ministry of Defence

Future Capability Group, Spruce 2B, MoD Abbey Wood

Bristol

BS34 8JH

Contact

Mr Brad Hayward

Email

Bradley.Hayward110@mod.gov.uk

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

<https://des.mod.uk/>

Buyer's address

<https://des.mod.uk/>

I.3) Communication

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

<https://www.contracts.mod.uk/web/login.html>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.contracts.mod.uk/web/login.html>

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

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

Human Machine Teaming (HMT)

II.1.2) Main CPV code

- 73000000 - Research and development services and related consultancy services

II.1.3) Type of contract

Services

II.1.4) Short description

The Human Machine Teaming (HMT) programme is intending to collate current lessons from Army's experimentation activity in Robotic and Autonomous Systems (RAS), and enable rapid iterations, across the full stack of potential capabilities, across a 3-year programme.

This will ensure the necessary stability, time and opportunity to generate sufficient evidence to inform future cost/benefit analysis activity and balance of investment decisions.

HMT is intending to be delivered through a multi supplier Framework Agreement, which is intended to be segregated into LOTS. This will manage and deliver the continued development and maturation of capabilities and requirements in RAS in accordance with the Strategy outlined in the 'British Army's Approach to RAS'.

This is required to build on the Transformation Fund experimentation completed within the Robotic Platoon Vehicle (RPV), Nano Unmanned Air Systems (nUAS) and Theseus Projects, along with associated learning from Army Warfighting Experiment (AWE) to create operational advantage for land forces, by integrating adaptable RAS within Human Machine Teams, to generate mass and tempo whilst reducing risk.

The proposed framework will be 3 year duration, and valued at £300M. This programme of work will be delivered by the Expeditionary Robotics Centre of Expertise (ERCoE) using the Future Capability Group's (FCG) novel Buy and Try at Scale Operational(BATSO) commercial model, with sufficient framework headroom, to complete iterative spiral development of technological solutions.

Framework participation will be subject to successfully completing a Pre Qualification Questionnaire (PQQ) and Invitation to Tender (ITT) process.

This will commence with the publication of the PQQ for Human Machine Teaming through the DSP.

II.1.6) Information about lots

This contract is divided into lots: Yes

Tenders may be submitted for all lots

Maximum number of lots that may be awarded to one tenderer: 4

II.2) Description

II.2.1) Title

HMT LOT 1 - Hardware

Lot No

1

II.2.2) Additional CPV code(s)

- 73000000 - Research and development services and related consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Robotics and Autonomous Systems (RAS) Activity - Hardware LOT.

Encompassing examples such as Uncrewed Ground Vehicles, Uncrewed Air Systems, Payloads, Consumable etc.

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

34

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

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

II.2) Description

II.2.1) Title

HMT LOT 2 - Software

Lot No

2

II.2.2) Additional CPV code(s)

- 73000000 - Research and development services and related consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

HMT LOT 2 - Robotics and Autonomous Systems (RAS) Software.

External software, internal systems/platform software, reliability/maintenance analysis software etc.

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

34

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

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

II.2) Description

II.2.1) Title

HMT LOT 3 - Professional & Technical Services

Lot No

3

II.2.2) Additional CPV code(s)

- 73000000 - Research and development services and related consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

HMT LOT 3 - Robotic and Autonomous Systems (RAS) Professional & Tech Services.

Design, Safety, Human Factors, Ethics and other contracted/consultancy RAS support activities.

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

34

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

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

II.2) Description

II.2.1) Title

HMT LOT 4 - Enabling & Networks

Lot No

4

II.2.2) Additional CPV code(s)

- 73000000 - Research and development services and related consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

HMT LOT 4 - Robotic and Autonomous Systems (RAS) Enabling and Networks.

Integration of RAS, Data Management of RAS, communications requirements etc.

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

34

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

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.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions

Pre Qualification Questionnaire (PQQ) will outline expected selection criteria for suitability of organisations for enrolment to the Framework, and establish those organisations that will be invited to respond to the HMT Invitation to Tender (ITT) for Framework.

III.1.2) Economic and financial standing

List and brief description of selection criteria

Economic Criteria will be outlined in the PQQ published within the Defence Sourcing Portal (DSP).

III.1.3) Technical and professional ability

List and brief description of selection criteria

Technical and Professional Criteria will be outlined in the PQQ published within the Defence Sourcing Portal (DSP).

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Restricted procedure

IV.1.3) Information about a framework agreement or a dynamic purchasing system

The procurement involves the establishment of a framework agreement

Framework agreement with several operators

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

25 June 2022

Local time

8:00am

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

27 June 2022

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

Tender must be valid until: 5 August 2022

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.2) Information about electronic workflows

Electronic payment will be used

VI.3) Additional information

PQQ will be published through the Defence Sourcing Portal (DSP)

VI.4) Procedures for review

VI.4.1) Review body

Expeditionary Robotics Centre of Expertise.

Future Capability Group, Spruce 2B, MoD Abbey Wood

Bristol

BS34 8JH

Country

United Kingdom