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Planning

712835450 - Project Brakestop

Ministry of Defence

F16: Prior information notice for contracts in the field of defence and security

Notice identifier: 2024/S 000-030651

Procurement identifier (OCID): ocds-h6vhtk-04a2d3

Published 25 September 2024, 4:11pm

Section I: Contracting authority/entity

I.1) Name, addresses and contact point(s)

Ministry of Defence

MOD Abbey Wood South, 1261, Spruce 2B

Bristol

BS34 8JH

For the attention of

DE&S

Email(s)

DESFCG-Comrcl@mod.uk

Country

United Kingdom

Further information

Further information can be obtained from the above mentioned contact point(s)

Section II: Object

II.1) Title attributed to the contract by the contracting authority/entity:

712835450 - Project Brakestop

II.2) Type of contract and location of works, place of delivery or of performance

Services

Service category No 3: Defence services, military defence services and civil defence services

NUTS code

- UK - United Kingdom

II.4) Short description of nature and scope of works or nature and quantity or value of supplies or services

This Prior Information Notice serves to inform industry about the upcoming competition for Project Brakestop. Please see the single statement of user need (SSUN) below and further details around the project including an industry day.

SSUN:

"The User requires a cost-effective, long range (>500km) One Way Effector (OWE) Heavy, capable of being safely ground launched from a mobile platform in a high threat tactical environment, navigating to and accurately striking a user-programmed target.

It shall be: operable in harsh physical environments, day and night, of low multispectral signature, resilient in a complex Electromagnetic environment (EME), including within a GNSS denied & degraded environment, and resistant against targeted EW attack and spoofing.

Subject to potential future contract, manufacturing shall be scalable to meet operational requirements at a minimum of 20 units per month, with the ability to further increase."

Overview:

UK MOD requires the ability to deliver an 200kg – 300kg class payload (Mk 82 for reference) over a target range of 600km at a speed of around 600km/h. This must be capable of being safely ground launched from a mobile platform in a high threat tactical environment, with reduced probability of detection / high survivability with minimal take-off distance. It should be mobile via vehicle, fitted to or towed by.

This can be done via any trajectory (ballistic or low-level cruise) and could use a missile, a drone, or another technology to deliver the effect, at day or night, following a pre-programmed route. If low level cruise, it must be able to navigate in a GNSS denied environment and have some form of end stage guidance as required, to an accuracy of CEP (0.5) of 30m.

The target cost per delivery platform must be no higher than £400,000 Ex VAT and excludes the launcher system and any GFX as listed below. This requirement is for technologies that can be packaged and demonstrated rapidly, including firing in a test range. The design should be free from external government trade and usage restrictions. The design must have the ability to be spirally developed, to improve performance characteristics.

Whilst a complete solution is being sought, if you are offering part of the solution, we encourage you to participate in the industry day and to explicitly state which part of the problem you are answering within the categories of:

1. Propulsion system, e.g. engine,
2. Airframe,
3. Navigation and targeting,
4. Ability to scale,
5. Launcher system.

The project will be prioritising scalability over exquisite solutions.

The following will likely be government furnished (GFX):

1. Payload
2. Fuses

3. Testing ranges/facilities

4. Manufacturing Technology Centre (MTC) support for scaling

5. DSTL advice

Procurement Approach and timelines:

FCI will down select from submitted proposals using the proven 3-2-1 procurement model and invite a number of companies to a face-to-face presentation where a further down selection will be made to a small number of companies (2-5) and, subject to contract, will provide up to £5m of funding for the rapid development of those proposals. Those companies will be required to rapidly demonstrate their systems.

The aim is to deliver this product at pace, which means there is an aggressive timeline of a demonstration firing in Q2 2025 and, subject to contract, potential serial production from Q3 2025, producing a minimum around 20 platforms per month.

Industry day information:

The Authority will be holding a Project Brakestop industry day on Tuesday 8th October 2024 in London UK.

Please use the following link for further detail and to submit a request form to attend the industry day:

https://forms.office.com/Pages/ResponsePage.aspx?id=7WB3vINZS0iuldChbfoJ5XUTJJOnMC1Guv5Ej0GV_QpUOE9GWDdSMTFOT1hLVFJEQUhYMERTQVRENYQIQCN0PWcu

Please note that responses must be submitted by 15:00 (GMT+1) 2nd October 2024

Due to capacity limitations, this industry day is limited to 2 personnel from each company. In the event of the location's capacity being exceeded, the Authority will reduce down to 1 person from each company.

II.5) Common procurement vocabulary (CPV)

- 73410000 - Military research and technology

Additional CPV code(s)

- 35613100 - Unmanned combat aerial vehicles
- 35623100 - Air/ground/sea launched cruise missiles

II.7) Additional information

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Section VI: Complementary information

VI.2) Additional information

Conditions regarding this PIN:

- 1) This PIN is not a call for competition and is not published to reduce time limits for the receipt of tenders;
- 2) The Authority reserves the right not to commence any procurement or award any contract in respect of this opportunity;
- 3) The information contained in this PIN may be subject to change due to the impact of governance, assurance, regulatory changes and/or the pre-market engagement outcomes. Insofar as is permitted by law, the Authority shall not be liable for any losses incurred by any party as a result of reliance on the information contained/linked herein;
- 4) Failure to register an interest in connection with this PIN shall not prevent an organisation from participating in any formal call for competition.

VI.3) Information on general regulatory framework

Relevant governmental Internet sites where information can be obtained

Tax legislation

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

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