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Planning

Options analysis of Supervised Control and Data Acquisition (SCADA) solutions.

Ministry of Defence

F01: Prior information notice

Prior information only

Notice identifier: 2023/S 000-007421

Procurement identifier (OCID): ocds-h6vhtk-03b2bf

Published 14 March 2023, 2:50pm

Section I: Contracting authority

I.1) Name and addresses

Ministry of Defence

Reading, Berkshire

Email

Sabra.Appleton@awe.co.uk

Country

United Kingdom

Region code

UKJ - South East (England)

Internet address(es)

Main address

www.awe.co.uk

I.3) Communication

Additional information can be obtained from 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

Options analysis of Supervised Control and Data Acquisition (SCADA) solutions.

II.1.2) Main CPV code

- 72000000 - IT services: consulting, software development, Internet and support

II.1.3) Type of contract

Services

II.1.4) Short description

AWE is looking to engage with the market to understand supplier's capability to support its replacement of a Supervisory Control and Data Acquisition (SCADA) system; to inform the options selection for these requirements.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 72200000 - Software programming and consultancy services

II.2.3) Place of performance

NUTS codes

- UKJ - South East (England)

II.2.4) Description of the procurement

The Atomic Weapons Establishment (AWE) is an arms-length body of the Ministry of Defence employing around 6,000 people headquartered in Aldermaston, Berkshire.

For more than 70 years, AWE has supported the UK Government's nuclear defence strategy and the Continuous At Sea Deterrent. We also use our nuclear know-how and technical expertise to provide innovative solutions that support the UK's counter-terrorism and nuclear threat reduction activities.

We work at the extremes of science and engineering to understand the performance of nuclear warheads, and assess the safety, security and effectiveness of the stockpile in the absence of live testing.

Remarkable science, technology, engineering, and maths integrate across the lifecycle of the warhead: from initial concept and design to final decommissioning and disposal. Experts in their fields work together in unique and advanced experimental facilities, to perform cutting edge experiments.

The current SCADA system (supervised control and data acquisition) software controls the laser systems from alignment to recording the end data post shot. The software integrates and interacts with complicated subsystems, which are not in scope of the change but must be considered when refreshing the control solution.

This early market engagement has been initiated to assess options on the market and do a comparative analysis between doing nothing, upgrading the existing solution, procuring a solution, or developing our own capability. The specific output may change dependent on discussion with suppliers and the available information at the time of engagement.

At a high level each option will require the below details to inform the decision making.

- a. Rough order of magnitude costs to deliver solution.
- b. Outline schedule/timeline to deliver solution.
- c. Obstacles or issues with delivery that have been identified.

- i) Outline solutions to identified issues.
- d. List of assumptions where information was not available.

We are looking to identify 3rd party solutions and understand the cost, complexity and benefits of these products relative to the other options available to the business.

In issuing this PIN and engaging with the market, the AWE is not committing to conduct any procurement in relation to this Programme. Equally non-participation in this Market Engagement will not be taken into account in any future procurement activities and will not preclude any organisation from submitting a tender in any future competitions.

II.3) Estimated date of publication of contract notice

31 May 2023

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes