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Planning

The Support for the Scoping of Alternative Measurement Methods to operate within a Nuclear Fusion Environment

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-026208

Procurement identifier (OCID): ocds-h6vhtk-036983

Published 20 September 2022, 12:07pm

Section I: Contracting authority

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Contact

Joanne Davies

Email

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Country

United Kingdom

Region code

UK - United Kingdom

National registration number

N/A

Internet address(es)

Main address

<http://www.gov.uk/government/organisations/uk-atomic-energy-authority>

Buyer's address

<https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/72814>

I.3) Communication

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

https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=53004&B=UKAEA

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Fusion Research

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

The Support for the Scoping of Alternative Measurement Methods to operate within a Nuclear Fusion Environment

Reference number

T-JD161-22

II.1.2) Main CPV code

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

II.1.3) Type of contract

Supplies

II.1.4) Short description

UKAEA is issuing this Prior Information Notice (PIN) as a Request for Information (RFI) to gather market intelligence and relevant technical information on the current ideas on alternative ways measurement methods for overcoming challenges around sensing in a harsh environment.

Working within the STEP programme, the Control Systems Integration (CSI) work area is looking to support these ambitions by developing its knowledge of the necessary plant control systems and potential requirements of a Fusion Power Plant (FPP). As part of this, there is significant challenge in providing the necessary sensors for the control and monitoring of the plasma relevant aspects of the power plant. This specifically relates to the sensors and associated equipment required to operate within the harsh environment in and around the fusion machine (tokamak) itself. With the greatest risk being around the ability to provide the necessary measurements within a radiative environment.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

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More information is contained within the attachment.

II.3) Estimated date of publication of contract notice

1 February 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: No