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Planning

## **Mirror Steering System of the MAST-U EBW system**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-000057

Procurement identifier (OCID): ocids-h6vhtk-0306ce

Published 4 January 2022, 12:06pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### **Contact**

Hugo Silva

#### **Email**

[hugo.silva@ukaea.uk](mailto:hugo.silva@ukaea.uk)

#### **Telephone**

+44 0123546

#### **Country**

United Kingdom

**NUTS code**

UKJ14 - Oxfordshire

**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=42026&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=42026&B=UK)

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

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Mirror Steering System of the MAST-U EBW system

Reference number

T/HS272/21

#### **II.1.2) Main CPV code**

- 71300000 - Engineering services

#### **II.1.3) Type of contract**

Services

#### **II.1.4) Short description**

This is a PIN for the design, manufacture and assembly of a mirror steering system for use in a vacuum vessel.

The scope of this PIN is to outline the concept design and requirements for the mirror steering system in preparation for a formal bid process, and understand the capability and capacity of industry, via supplier responses, to undertake the future project.

The EBW launcher is part of a plasma heating and current drive system that involves microwaves being directed into the plasma at a specific set of angles.

The microwave beam enters the Vacuum Vessel from a specific port, and then is reflected through two sets of mirrors before injection into the plasma.

#### **II.1.5) Estimated total value**

Value excluding VAT: £1

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

## **II.2.2) Additional CPV code(s)**

- 71320000 - Engineering design services
- 71334000 - Mechanical and electrical engineering services

## **II.2.3) Place of performance**

NUTS codes

- UKJ14 - Oxfordshire

## **II.2.4) Description of the procurement**

This is a PIN for the design, manufacture and assembly of a mirror steering system for use in a vacuum vessel.

The scope of this PIN is to outline the concept design and requirements for the mirror steering system in preparation for a formal bid process, and understand the capability and capacity of industry, via supplier responses, to undertake the future project.

The EBW launcher is part of a plasma heating and current drive system that involves microwaves being directed into the plasma at a specific set of angles.

The microwave beam enters the Vacuum Vessel from a specific port, and then is reflected through two sets of mirrors before injection into the plasma.

The first set are fixed and are not part of the scope of this PIN.

The second set of these mirrors is to be steerable.

## **II.3) Estimated date of publication of contract notice**

18 April 2022

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## **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