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Planning

## **H3AT enriched tungsten**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-005111

Procurement identifier (OCID): ocds-h6vhtk-031a93

Published 24 February 2022, 9:39am

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

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

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### **Contact**

Abigail Woods

#### **Email**

[abigail.woods@ukaea.uk](mailto:abigail.woods@ukaea.uk)

#### **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=44079&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=44079&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**

H3AT enriched tungsten

Reference number

T/AW039/22

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

- 14755000 - Tungsten

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

Supplies

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

UKAEA wishes to investigate hydrogen retention and release from fusion relevant materials which have been irradiated to levels representing different timeframes inside a fusion reactor.

Self-ion damaged tungsten has already been investigated, but it is also highly desirable to investigate neutron damaged tungsten. This work has not been possible to date due to the activation issues after tungsten is irradiated by neutrons. This would lead to an unreasonably high dose rate to experimental staff.

If isotopically altered tungsten is obtained, then the level of activation from neutron irradiation can be significantly reduced. The dose rate to UKAEA staff will therefore also be significantly reduced.

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

This contract is divided into lots: No

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

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

- 14750000 - Cadmium, lutetium, hafnium, tantalum and tungsten

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

NUTS codes

- UKJ14 - Oxfordshire

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

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If isotopically altered tungsten is obtained, then the level of activation from neutron irradiation can be significantly reduced. The dose rate to UKAEA staff will therefore also be significantly reduced.

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

4 March 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: No