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

#### 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/rwlentrance_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

# 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

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.3) Estimated date of publication of contract notice

4 March 2022

---

# 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