Tender

# Atomistic Modelling of Detritiation of Tungsten

United Kingdom Atomic Energy Authority

F02: Contract notice
Notice identifier: 2022/S 000-021550
Procurement identifier (OCID): ocds-h6vhtk-03594d
Published 5 August 2022, 12:12pm

## Section I: Contracting authority

### I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

**Contact**

Jim McGough

**Email**

jim.mcgough@ukaea.uk

**Telephone**

+44 1235467082

**Country**

United Kingdom

**NUTS 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.2) Information about joint procurement

The contract is awarded by a central purchasing body

## 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=51246&B=UK

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=51246&B=UK

Tenders or requests to participate must be submitted to 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

Atomistic Modelling of Detritiation of Tungsten

Reference number

T/JM130/22

### II.1.2) Main CPV code

- 73300000 - Design and execution of research and development

### II.1.3) Type of contract

Services

### II.1.4) Short description

The Client known henceforth as UKAEA (United Kingdom Atomic Energy Authority) requires a Consultant to provide modelling services which will examine the role of surface oxidation in the detritiation of tungsten tiles following fusion reactor service, including eventualities of accidental exposure to oxygen during service. This project is envisaged to lay the foundation for creating a mesoscale modelling tool with the capability to directly predict oxide microstructural evolution, and oxide growth and hydrogen isotope transport kinetics in aqueous corrosion. As such the Consultant will submit findings in such a way that can be used by UKAEA for this purpose.

### II.1.5) Estimated total value

Value excluding VAT: £200,000

### II.1.6) Information about lots

This contract is divided into lots: No

## II.2) Description

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

- 73210000 - Research consultancy services
- 73220000 - Development consultancy services

### II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

### II.2.4) Description of the procurement

The Client known henceforth as UKAEA (United Kingdom Atomic Energy Authority) requires a Consultant to provide modelling services which will examine the role of surface oxidation in the detritiation of tungsten tiles following fusion reactor service, including eventualities of accidental exposure to oxygen during service. This project is envisaged to lay the foundation for creating a mesoscale modelling tool with the capability to directly predict oxide microstructural evolution, and oxide growth and hydrogen isotope transport kinetics in aqueous corrosion. As such the Consultant will submit findings in such a way that can be used by UKAEA for this purpose.

### II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

### II.2.6) Estimated value

Value excluding VAT: £200,000

### II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Start date

4 October 2022

End date

27 January 2023

This contract is subject to renewal

No

**II.2.10) Information about variants**

Variants will be accepted: No

**II.2.11) Information about options**

Options: No

**II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

# Section III. Legal, economic, financial and technical information

## III.1) Conditions for participation

### III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions

Refer to Procurement Documents for information.

### III.1.2) Economic and financial standing

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

### III.1.3) Technical and professional ability

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

## III.2) Conditions related to the contract

### III.2.2) Contract performance conditions

Refer to Procurement Documents for information.

# Section IV. Procedure

## IV.1) Description

### IV.1.1) Type of procedure

Open procedure

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

The procurement is covered by the Government Procurement Agreement: No

## IV.2) Administrative information

### IV.2.2) Time limit for receipt of tenders or requests to participate

Date

9 September 2022

Local time

12:00pm

### IV.2.4) Languages in which tenders or requests to participate may be submitted

English

### IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Tender must be valid until: 4 November 2022

### IV.2.7) Conditions for opening of tenders

Date

9 September 2022

Local time

12:00pm

## Section VI. Complementary information

### VI.1) Information about recurrence

This is a recurrent procurement: No

### VI.4) Procedures for review

#### VI.4.1) Review body

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

https://www.gov.uk/government/organisations/uk-atomic-energy-authority

#### VI.4.2) Body responsible for mediation procedures

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

https://www.gov.uk/government/organisations/uk-atomic-energy-authority

**VI.4.3) Review procedure**

Precise information on deadline(s) for review procedures

VI.4.2)Body responsible for mediation procedures

VI.4.3)Review procedure

Precise information on deadline(s) for review procedures:

The authority will incorporate a minimum 10 calendar day standstill period at the point information on the award of the contract is communicated to tenderers.

This period allows unsuccessful tenderers to seek further debriefing from the authority before a contract is entered into applicants have 2 working days from the notification of the award decision to request. Additional debriefing and that information have to be provided within a minimum of 3 working days before the expiry of the standstill period. Such additional information should be sought from the contact named in this notice.

If an appeal regarding the award of a contract has not been successfully resolved, the Public Contracts Regulations 2015 (SI 2015 No. 102) provide for aggrieved parties who have been harmed or are at risk of harm by a breach of the rules to take action in the High Court (England, Wales and Northern Ireland).

Any such action must be brought promptly.

(generally within 3 months).

**VI.4.4) Service from which information about the review procedure may be obtained**

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

https://www.gov.uk/government/organisations/uk-atomic-energy-authority