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Tender

## **Small Scale Experiments for Tritium Breeding (SSETB)**

United Kingdom Atomic Energy Authority

F02: Contract notice

Notice identifier: 2024/S 000-035382

Procurement identifier (OCID): ocds-h6vhtk-04b30f

Published 31 October 2024, 4:19pm

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

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

United Kingdom Atomic Energy Authority

Culham Campus

Abingdon

OX14 3DB

#### **Contact**

Carl Evans

#### **Email**

[Carl.Evans@ukaea.uk](mailto:Carl.Evans@ukaea.uk)

#### **Country**

United Kingdom

#### **Region 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=87218&B=UKAEA](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=87218&B=UKAEA)

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/rwlenrance\\_s.asp?PID=87218&B=UKAEA](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=87218&B=UKAEA)

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**

Small Scale Experiments for Tritium Breeding (SSETB)

Reference number

T/LB161/24

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

- 73000000 - Research and development services and related consultancy services

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

Services

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

A programme of four scientific experiments in the field of Tritium Breeding.

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

Value excluding VAT: £3,200,000

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

This contract is divided into lots: Yes

Tenders may be submitted for one lot only

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

#### **II.2.1) Title**

Lot 1 Solid lithium ceramics

Lot No

1

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

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

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

NUTS codes

- UKJ14 - Oxfordshire

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

A research programme to address a critical aspect of the tritium breeding technology based on solid lithium ceramics. Delivery of a small-scale experiment or other project, preferably based on an existing experimental or other capability.

### **II.2.5) Award criteria**

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

### **II.2.6) Estimated value**

Value excluding VAT: £800,000

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

Start date

9 January 2025

End date

31 March 2026

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

### **II.2.14) Additional information**

Refer to the ITT.

## **II.2) Description**

### **II.2.1) Title**

Lot 2 Lithium in liquid phase

Lot No

2

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

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

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

NUTS codes

- UKK - South West (England)
- UKJ14 - Oxfordshire

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

Aa research programme to address a critical aspect of the tritium breeding technology based on the use of lithium in liquid phase (either as a pure metal or as part of mixture/eutectic) as the breeding material (and potential the tritium carrier medium). Delivery of a small-scale experiment or other project, preferably based on an existing experimental or other capability within your organisation, that could support the fusion community to develop in future larger breeder experiments.

### **II.2.5) Award criteria**

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

### **II.2.6) Estimated value**

Value excluding VAT: £800,000

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

Start date

9 January 2025

End date

31 March 2026

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

### **II.2.14) Additional information**

Refer to the ITT.

## **II.2) Description**

### **II.2.1) Title**

Lot 3 Molten salt of lithium

Lot No

3

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

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

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

NUTS codes

- UKJ14 - Oxfordshire

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

A research programme to address a critical aspect of the tritium breeding technology based on the use of a molten salt of lithium for the breeding and neutron-moderating material. Delivery of a small-scale experiment or other project, preferably based on an existing experimental or other capability within your organisation.

### **II.2.5) Award criteria**

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

### **II.2.6) Estimated value**

Value excluding VAT: £800,000

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

Start date

9 January 2025

End date

31 March 2026

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

#### **II.2.14) Additional information**

Refer to the ITT.

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

#### **II.2.1) Title**

Lot 4 Digital Simulation and modelling

Lot No

4

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

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

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

NUTS codes

- UKJ14 - Oxfordshire
- UKJ - South East (England)



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

A research programme to address a critical aspect of the tritium breeding technology based on the use of Digital Simulation and Modelling of a Neutron Source, the breeding in a range of materials, neutron-moderating materials and geometries pertinent to the three technology families in the above lots. Delivery of a small-scale in-silico experimental project, preferably based on an existing computational science or other capability within your organisation, that could support the fusion community

**II.2.5) Award criteria**

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

**II.2.6) Estimated value**

Value excluding VAT: £800,000

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

Start date

9 January 2025

End date

31 March 2026

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

## **II.2.14) Additional information**

Refer to the ITT.

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## **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**

Selection criteria as stated in the procurement documents

#### **III.1.3) Technical and professional ability**

Selection criteria as stated in the procurement documents

### **III.2) Conditions related to the contract**

#### **III.2.2) Contract performance conditions**

Refer to Procurement Documents for information.

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## **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: Yes

### **IV.2) Administrative information**

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

Date

3 December 2024

Local time

5:00pm

#### **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**

Duration in months: 2 (from the date stated for receipt of tender)

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

Date

3 December 2024

Local time

5:00pm

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.2) Information about electronic workflows**

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

UK Atomic Energy Authority

Culham Campus

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 Campus

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 Campus

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

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