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Tender

## **ExCALIBUR Fusion Modelling System FM-WP2 Plasma multiphysics model: Advanced Referent Model Procurement**

United Kingdom Atomic Energy Authority

F02: Contract notice

Notice identifier: 2022/S 000-012557

Procurement identifier (OCID): ocds-h6vhtk-0337ab

Published 13 May 2022, 6:12pm

### **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=47132&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=47132&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/rwlenrance\\_s.asp?PID=47132&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=47132&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

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## **Section II: Object**

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

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

ExCALIBUR Fusion Modelling System FM-WP2 Plasma multiphysics model: Advanced Referent Model Procurement

Reference number

T/AW086/22

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

- 48000000 - Software package and information systems

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

Supplies

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

Radical changes to supercomputer architectures are on the horizon. The current simulation codes, that much of UK science relies upon, are designed for current supercomputer architectures. These codes will, at best, not be able to fully exploit the power that the supercomputers of the mid-2020s will deliver; at worst, they will run slower on those machines than they do now. Future computers will be more energy efficient and so the longer we rely upon the current approach, the more expensive the solution will be. Therefore, it is essential that we invest now in redesigning those simulation codes so that they perform well on the future generations of supercomputers.

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

Value excluding VAT: £189,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 72262000 - Software development services
- 73120000 - Experimental development services
- 73300000 - Design and execution of research and development

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

NUTS codes

- UKJ14 - Oxfordshire

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

Radical changes to supercomputer architectures are on the horizon. The current simulation codes, that much of UK science relies upon, are designed for current supercomputer architectures. These codes will, at best, not be able to fully exploit the power that the supercomputers of the mid-2020s will deliver; at worst, they will run slower on those machines than they do now. Future computers will be more energy efficient and so the longer we rely upon the current approach, the more expensive the solution will be. Therefore, it is essential that we invest now in redesigning those simulation codes so that they perform well on the future generations of supercomputers.

### **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: £189,000

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

Start date

5 September 2022

End date

15 February 2024

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

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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**

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.

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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

17 June 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: 30 September 2022

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

Date

17 June 2022

Local time

12:00pm

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## **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>