

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/021113-2024>

Planning

## **Fusion Futures: Microwave Test Facility**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-021113

Procurement identifier (OCID): ocds-h6vhtk-047c54

Published 10 July 2024, 3:19pm

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

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

United Kingdom Atomic Energy Authority

Culham Campus

Abingdon

OX14 3DB

#### **Contact**

Charlotte Byrne

#### **Email**

[charlotte.byrne@ukaea.uk](mailto:charlotte.byrne@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=83574&B=UKAEA](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=83574&B=UKAEA)

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**

Fusion Futures: Microwave Test Facility

Reference number

T/CB/110/24

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

- 73210000 - Research consultancy services

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

Services

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

The objective of the wider project is to develop a requirements set and associated pre-conceptual design, for a microwave test facility.

This test facility may include the ability to test any of the following:

- Component level testing e.g. gyrotron cavity
- High-powered gyrotrons
- Novel source testing
- Waveguide testing
- Low power microwave testing
- Launcher mechanical testing
- Quasi-optical propagation testing

The areas of primary interest for this opportunity are:

- Microwave source testing
- High-powered microwave component testing
- Gyrotron cavity thermal test rig

It is anticipated, subject to market engagement, that a maximum of 5 contracts will be awarded to parties with an interest in future use of such a facility.

The estimated budget for each contract is between £10,000 and £20,000.

This piece of work is required to be completed by the end of February 2025.

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

Value excluding VAT: £100,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 71621000 - Technical analysis or consultancy services
- 73000000 - Research and development services and related consultancy services
- 73200000 - Research and development consultancy services
- 73220000 - Development consultancy services

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

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

OX14 3DB

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

The objective of the wider project is to develop a requirements set and associated pre-conceptual design, for a microwave test facility.

This test facility may include the ability to test any of the following:

- Component level testing e.g. gyrotron cavity
- High-powered gyrotrons
- Novel source testing

- Waveguide testing
- Low power microwave testing
- Launcher mechanical testing
- Quasi-optical propagation testing

The areas of primary interest for this opportunity are:

- Microwave source testing
- High-powered microwave component testing
- Gyrotron cavity thermal test rig

It is anticipated, subject to market engagement, that a maximum of 5 contracts will be awarded to parties with an interest in future use of such a facility.

The estimated budget for each contract is between £10,000 and £20,000.

This piece of work is required to be completed by the end of February 2025, it is anticipated that this contract will be 4 months long.

The contract scope is proposed to include the following deliverables:

- Definition of scope for an overall test facility
- Definition of technical requirements for an overall test facility
- Report of anticipated use of test facility
- Definition of technical requirements for a gyrotron cavity test rig (additional scope)

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

A webinar will be held to further discuss the requirement, joining details can be found in supporting information on EU Supply.

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

26 August 2024

---

## **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: Yes