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Planning

## **Lithium Breeding Tritium Innovation (LIBRTI) Programme**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-002141

Procurement identifier (OCID): ocids-h6vhtk-042f05

Published 22 January 2024, 4:49pm

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

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

United Kingdom Atomic Energy Authority

Culham Campus

Abingdon

OX14 3DB

#### **Contact**

LIBRTI Procurement Team

#### **Email**

[procurement@librti.ukaea.uk](mailto:procurement@librti.ukaea.uk)

#### **Telephone**

+12 35528822

#### **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/rwlentrance\\_s.asp?PID=77314&B=UKAEA](https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=77314&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

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## Section II: Object

### II.1) Scope of the procurement

#### II.1.1) Title

Lithium Breeding Tritium Innovation (LIBRTI) Programme

Reference number

T/CE010/24

#### II.1.2) Main CPV code

- 42000000 - Industrial machinery

#### II.1.3) Type of contract

Supplies

#### II.1.4) Short description

LIBRTI aims to pave the way for fusion powerplant-scale tritium breeding. It will demonstrate that for a given neutron flux and lithium substrate, the amount of bred tritium can be quantitatively predicted and accurately, and reproducibly, achieved.

The LIBRTI project is a new, major scientific and technical undertaking that will require a close working relationship with industry partners. The UKAEA are at the very earliest stages of planning the project and are seeking the views of organisations to help evolve and develop our overall procurement strategy. As such, this and other associated PINs are seeking the level of interest, capability, and capacity from potential suppliers for both the technical and commercial aspects.

#### II.1.6) Information about lots

This contract is divided into lots: No

### II.2) Description

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

- 30211100 - Super computer
- 30211300 - Computer platforms
- 31154000 - Uninterruptible power supplies

- 31200000 - Electricity distribution and control apparatus
- 31224000 - Connections and contact elements
- 33111620 - Gamma cameras
- 33124000 - Diagnostics and radiodiagnostic devices and supplies
- 35113200 - Nuclear, biological, chemical and radiological protection equipment
- 35113300 - Safety installations
- 38400000 - Instruments for checking physical characteristics
- 38420000 - Instruments for measuring flow, level and pressure of liquids and gases
- 38430000 - Detection and analysis apparatus
- 38431100 - Gas-detection apparatus
- 38432100 - Gas-analysis apparatus
- 38543000 - Gas-detection equipment
- 38545000 - Gas-testing kits
- 38547000 - Dosimetry system
- 38550000 - Meters
- 38570000 - Regulating and controlling instruments and apparatus
- 38651000 - Cameras
- 38800000 - Industrial process control equipment and remote-control equipment
- 38900000 - Miscellaneous evaluation or testing instruments
- 38940000 - Nuclear evaluation instruments
- 38945000 - Gamma counters
- 42000000 - Industrial machinery
- 42122160 - Cooling pumps
- 42152100 - Reactor-cooling systems
- 42152200 - Parts of nuclear-reactor vessels
- 42500000 - Cooling and ventilation equipment

- 42510000 - Heat-exchange units, air-conditioning and refrigerating equipment, and filtering machinery
- 42961100 - Access control system
- 42990000 - Miscellaneous special-purpose machinery
- 42993000 - Chemical industry machinery
- 45214620 - Research and testing facilities construction work
- 45214630 - Scientific installations
- 45251000 - Construction works for power plants and heating plants
- 48150000 - Industrial control software package
- 51112000 - Installation services of electricity distribution and control equipment
- 71317000 - Hazard protection and control consultancy services
- 71323000 - Engineering-design services for industrial process and production
- 71340000 - Integrated engineering services
- 71350000 - Engineering-related scientific and technical services
- 73400000 - Research and Development services on security and defence materials
- 90700000 - Environmental services
- 98113100 - Nuclear safety services

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

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Culham Campus

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

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

Please see attached documents.

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

30 September 2024

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### **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