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Planning

## **H3AT- COTS Equipment (Valves, Filters and Instructions)**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-019685

Procurement identifier (OCID): ocids-h6vhtk-03538d

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

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

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### **Contact**

Theodora Bampatsia

#### **Email**

[theodora.bampatsia@ukaea.uk](mailto:theodora.bampatsia@ukaea.uk)

#### **Telephone**

+44 1235467082

#### **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=50660&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=50660&B=UK)

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**

H3AT- COTS Equipment (Valves, Filters and Instructions)

Reference number

T/DB130/22

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

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

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

Supplies

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

UKAEA wishes to engage with potential equipment suppliers and SMEs for the supply of approximately 384 instruments. These components will be for use in several sub systems that will make up the Tritium Plant located within the new H3AT Facility currently in construction on the UKAEA Culham site.

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

This contract is divided into lots: No

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

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

- 31214100 - Switches
- 31230000 - Parts of electricity distribution or control apparatus
- 31600000 - Electrical equipment and apparatus
- 31680000 - Electrical supplies and accessories
- 31682520 - Emergency shutdown systems
- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

- 38126300 - Temperature or humidity surface observing apparatus
- 38300000 - Measuring instruments
- 38341000 - Apparatus for measuring radiation
- 38341310 - Ammeters
- 38400000 - Instruments for checking physical characteristics
- 38416000 - PH meters
- 38420000 - Instruments for measuring flow, level and pressure of liquids and gases
- 38421000 - Flow-measuring equipment
- 38421110 - Flowmeters
- 38422000 - Level-measuring equipment
- 38423000 - Pressure-measuring equipment
- 38434000 - Analysers
- 38930000 - Humidity and moisture measuring instruments

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

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

UKAEA

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

UKAEA wishes to engage with potential equipment suppliers and SMEs for the supply of approximately 384 instruments. These components will be for use in several sub systems that will make up the Tritium Plant located within the new H3AT Facility currently in construction on the UKAEA Culham site.

The H3AT Facility Tritium Plant consists of the following sub-systems:

- Storage and Delivery System [SDS]
- Tokamak Vacuum Simulation [TVS]

- Hydrogen Chemical Purification System [HPS]
- Hydrogen Isotope Separation System (deemed collaborative contract development) [ISS]
- Water Detritiation System (deemed collaborative contract development) [WDS]
- Atmosphere Detritiation System [ADS]
- Chemical and Isotope Analysis of Gaseous Mixtures System [ANS]
- Radiological and Hazardous Gas Monitoring System [RGM]

The Facility is a tool of the H3AT Project. The missions of this project are:

- Supporting Delivery of fusion as a commercial power source
- Promoting industry, academia and research companies for work related to handling tritium and other radioactive isotopes
- Providing capability for training of next generation of scientists and engineers for development of the new power sources

Through this process we are looking to open up engagement with suppliers to ensure there is sufficient production capability and capacity to meet project timelines and design requirements.

The scope of work as defined in this PIN can be broken down into smaller packages depending on supplier feedback. However, UKAEA will aim to minimise the number of independent packages to simplify the tendering process

After the engagement exercise, UKAEA intend to issue an Invitation to Tender through the EU Supply and Find a Tender portals (replacement to Tenders Electronic Daily) to procure services for design and provision of equipment through competitively tendered contracts.

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

3 October 2022

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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: No