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Tender

## **Procurement of a Cryogen Free Measurement System**

University of Bristol

F02: Contract notice

Notice identifier: 2024/S 000-010436

Procurement identifier (OCID): ocds-h6vhtk-044e9d

Published 28 March 2024, 5:59pm

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

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

University of Bristol

4th Floor, Augustine's Courtyard, Orchard Lane

Bristol

BS1 5DS

#### **Email**

[yi19222@bristol.ac.uk](mailto:yi19222@bristol.ac.uk)

#### **Telephone**

+44 01179289000

#### **Country**

United Kingdom

#### **Region code**

UK - United Kingdom

**Internet address(es)**

Main address

[www.bristol.ac.uk](http://www.bristol.ac.uk)

**I.3) Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://tenders.bris.ac.uk/>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://tenders.bris.ac.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**

Education

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## **Section II: Object**

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

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

Procurement of a Cryogen Free Measurement System

Reference number

Lab-2402-073-PC\_2869

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

- 38540000 - Machines and apparatus for testing and measuring

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

Supplies

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

The equipment will form part of the wider Quantum and Soft Matter (QSM) research theme's capabilities in the School of Physics, Faculty of Science and Engineering, at the University of Bristol. The QSM theme is recognised as one of the UK's leading centres in the study of quantum materials – notably exotic / high temperature superconducting and magnetic materials. Research in the QSM theme has attracted significant research income over the last decades, including a helium liquefier, a range of 'wet' cryogenic systems, as well as hosting a Centre for Doctoral Training in Condensed Matter Physics. Given the recent challenges around the price and availability of helium globally, this turn-key closed-cycle system will provide a key additional level of flexibility and fast-turnaround for sample screening and basic characterisation, before utilising lower temperature and/or higher magnetic field measurements either in Bristol or at a range of facilities worldwide.

The equipment is comprised of two main components: (1) a state-of-the-art closed cycle cryostat with base temperature better than 1.8 K; (2) a superconducting magnet capable of applying fields in excess of 7 Tesla with high uniformity to a sample stage mounted inside the cryostat.

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

Value excluding VAT: £150,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 38340000 - Instruments for measuring quantities
- 38400000 - Instruments for checking physical characteristics

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

NUTS codes

- UK - United Kingdom

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

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The equipment is comprised of two main components: (1) a state-of-the-art closed cycle cryostat with base temperature better than 1.8 K; (2) a superconducting magnet capable of applying fields in excess of 7 Tesla with high uniformity to a sample stage mounted inside the cryostat.

### **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: £150,000

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

Duration in months

24

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: Yes

Description of options

The University requests the option to upgrade the superconducting solenoid magnet system to 14 Tesla or above, with appropriate power supply and control system.

#### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

## **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

9 May 2024

Local time

1:00pm

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

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

Date

9 May 2024

Local time

1:00pm

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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**

Royal Courts of Justice

The Strand

London

Country

United Kingdom