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Tender

## **NQCC Strontium Quadrupole Cavities**

UK Research & Innovation

F02: Contract notice

Notice identifier: 2023/S 000-028172

Procurement identifier (OCID): ocids-h6vhtk-040350

Published 25 September 2023, 12:06pm

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

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

UK Research & Innovation

UK Research & Innovation, Polaris House

Swindon

SN2 1FL

#### **Contact**

Solomon Nwosu

#### **Email**

[Solomon.Nwosu@ukri.org](mailto:Solomon.Nwosu@ukri.org)

#### **Telephone**

+44 7394204018

#### **Country**

United Kingdom

**Region code**

UKK14 - Swindon

**Internet address(es)**

Main address

[www.ukri.org](http://www.ukri.org)

**I.2) Information about joint procurement**

The contract is awarded by a central purchasing body

**I.3) Communication**

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

<https://ukri.delta-esourcing.com>

Additional information can be obtained from the above-mentioned address

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

Research

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**Section II: Object**

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

**II.1.1) Title**

## NQCC Strontium Quadrupole Cavities

Reference number

UKRI-3372

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

- 14772000 - Strontium

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

Supplies

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

The National Quantum Computing Centre seeks to enhance the UK's global leadership in quantum computing, to help translate UK research strengths into innovation, and enable the creation of the first generation of quantum computers, helping to build a resilient future economy. The NQCC seeks for two lots of 674 nm cavities for strontium ions. Each lot must include a cavity, vacuum housing, temperature control, and be shipped pre-aligned with fibre-coupling assemblies apart by 100 mm to 300 mm.

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

Value excluding VAT: £135,000

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

This contract is divided into lots: No

## **II.2) Description**

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

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Oxfordshire

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

The NQCC's initial focus has been on two platforms of quantum computing, one based

on superconductors and one based on trapped ions. This were chosen based on technological maturity and UK strength. The NQCC continues to investigate other potential hardware modalities in detail. The centre will be headquartered in a purpose-built facility at the Science and Technology Facilities Council (STFC)'s Rutherford Appleton Laboratory Campus in Oxfordshire. The centre is due for completion in 2023. Ahead of the completion of the centre, a temporary lab facilities in existing STFC building have been used to fast track development. The required wavelength measurement systems will be used in both these temporary laboratories and in the NQCC lab spaces.

This procurement is for two lots of 674 nm cavities for strontium ions. Each lot must include a cavity, vacuum housing, temperature control, and be shipped pre-aligned with fibre-coupling assemblies, further detailed requirements are listed within the Specification.

#### **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: £135,000

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

Duration in months

5

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 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

1 November 2023

Local time

2:00pm

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

English

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

Date

1 November 2023

Local time

3:00pm

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.3) Additional information**

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement.

For more information about this opportunity, please visit the Delta eSourcing portal at:

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Strontium./Y8BC325Y48>

To respond to this opportunity, please click here:

<https://ukri.delta-esourcing.com/respond/Y8BC325Y48>

GO Reference: GO-2023925-PRO-24039441

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

UK Research and Innovation

Polaris House, North Star Avenue, Swindon

Swindon

SN2 1FL

Country

United Kingdom