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Tender

## **UKRI-3259 NQCC Strontium Ion Laser Suite**

UK Research & Innovation

F02: Contract notice

Notice identifier: 2023/S 000-025064

Procurement identifier (OCID): ocds-h6vhtk-03f6ef

Published 25 August 2023, 10:06am

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

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

UK Research & Innovation

<https://www.ukri.org/>, North Star Avenue

Swindon

SN2 1FL

#### **Contact**

Elizabeth Gage

#### **Email**

[Elizabeth.Gage@ukri.org](mailto:Elizabeth.Gage@ukri.org)

#### **Telephone**

+44 7563420665

#### **Country**

United Kingdom

**Region code**

UK - United Kingdom

**Internet address(es)**

Main address

<https://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**

## UKRI-3259 NQCC Strontium Ion Laser Suite

Reference number

UKRI-3259

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

- 38636100 - Lasers

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

Supplies

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

Part of the National Quantum Computing Centre's core strategy is the design and development of quantum computing hardware. One of the hardware platforms we are developing is based on trapped ions. In ion trap quantum computing, multiple lasers are required to interact with the internal states of a single and multiple ions. Strontium is one of the most widely employed atomic species in trapped ion experiments. To this end, the NQCC requires two laser suites to provide the laser light required for strontium hardware platforms.

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

Value excluding VAT: £800,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 42610000 - Machine tools operated by laser and machining centres

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

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

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

This procurement is for two lots of strontium ion laser systems to be delivered to the NQCC. Each system must be a rack containing 8 lasers along with all control and frequency locking electronics – requirement for each laser are listed in Section 5. All cabling (including power, networking, and control) should be included in the rack.

This agreement will be in place for a period of 9 months from when the order is placed.

#### **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: £800,000

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

Duration in months

9

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

2 October 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

2 October 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.2) Information about electronic workflows**

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

## **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:-Lasers./NEP2F85GZ4>

To respond to this opportunity, please click here:

<https://ukri.delta-esourcing.com/respond/NEP2F85GZ4>

GO Reference: GO-2023825-PRO-23723539

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

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

UK Research and Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

Country

United Kingdom