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Tender

## **UKRI-1417 Mirror Mount Motorized Actuators And Controller(s)**

UK Research & Innovation

F02: Contract notice

Notice identifier: 2022/S 000-001501

Procurement identifier (OCID): ocds-h6vhtk-030c76

Published 18 January 2022, 4:15pm

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

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

UK Research & Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

#### **Contact**

STFC Procurement

#### **Email**

[stfcprocurement@ukri.org](mailto:stfcprocurement@ukri.org)

#### **Telephone**

+44 1793442000

#### **Country**

United Kingdom

**NUTS code**

UKK14 - Swindon

**Internet address(es)**

Main address

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

**I.3) Communication**

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

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Lasers./2K24V8P555>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Lasers./2K24V8P555>

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 and Innovation

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## **Section II: Object**

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

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

UKRI-1417 Mirror Mount Motorized Actuators And Controller(s)

Reference number

UKRI-1417

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

- 38636100 - Lasers

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

Supplies

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

UKRI-STFC require a motion control system for a new laser facility. The motion control system needs to include motorised actuators which can be controlled so that multiple actuators can be moved at the same time. It is expected that approximately 150 - 200 actuators will be needed in the system, although the full complement will not need to be moved at the same time. This system will evolve over time and so will need to be modular in nature and capable of expansion at a later date. The motion system provided must include a means by which control can be achieved using external software.

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

Value excluding VAT: £300,000

#### **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 Science and Technology Facilities Council (STFC, part of UK Research and Innovation (UKRI)) has a requirement for the supply of motorised actuators and accompanying controller(s), to be incorporated as part of the Extreme Photonics Applications Centre (EPAC) Project.

The motorised actuators and controller(s) will form part of a Beam Steering System for a large laser facility. In the facility, multiple laser beams propagate hundreds of metres; the position of the beams can fluctuate owing to vibration or temperature variation if not controlled. Due to the long path lengths, small misalignments of a few millimetres can result in significant movements (centimetres or metres) at the output. Control of the laser beam alignment is therefore a crucial requirement to the success of the facility. This is achieved through automatic beam steering; a closed loop mechanism to compensate for these displacements in near real-time. The motorised actuators will be added to mirror mounts that will be placed at multiple locations along the beam path. Typically each mirror mount will have two actuators.

#### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 60

Cost criterion - Name: Price / Weighting: 40

#### **II.2.6) Estimated value**

Value excluding VAT: £300,000

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

Duration in months

48

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 III. Legal, economic, financial and technical information**

### **III.1) Conditions for participation**

#### **III.1.2) Economic and financial standing**

Selection criteria as stated in the procurement documents

#### **III.1.3) Technical and professional ability**

Selection criteria as stated in the procurement documents

## **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

23 February 2022

Local time

11:00am

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

English

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

Date

23 February 2022

Local time

11:00am

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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:-Lasers./2K24V8P555>

To respond to this opportunity, please click here:

<https://ukri.delta-esourcing.com/respond/2K24V8P555>

GO Reference: GO-2022118-PRO-19513318

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

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

UK Research and Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

Email

[stfcprocurement@ukri.org](mailto:stfcprocurement@ukri.org)

Country

United Kingdom