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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

Telephone

+44 1793442000

Country

United Kingdom

NUTS code

UKK14 - Swindon

Internet address(es)

Main address

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

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

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

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

Country

United Kingdom