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Tender

UKRI-1117 - Chilbolton Observatory Raman Lidar

UK Research & Innovation

F02: Contract notice
Notice identifier: 2021/S 000-021146
Procurement identifier (OCID): ocds-h6vhtk-02da0a
Published 26 August 2021, 12:15pm

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://www.delta-esourcing.com/tenders/UK-UK-Swindon:-Lasers./295242HVC4

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 and Innovation

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

UKRI-1117 - Chilbolton Observatory Raman Lidar

Reference number

UKRI-1117

II.1.2) Main CPV code

- 38636100 - Lasers

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Science and Technology Facilities Council, part of UK Research and Innovation are seeking proposals from suppliers for an atmospheric Raman lidar system for installation at STFC Chilbolton Observatory.

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

- UKJ3 - Hampshire and Isle of Wight

Main site or place of performance

Hampshire and Isle of Wight

II.2.4) Description of the procurement

STFC wish to procure an atmospheric Raman lidar system for installation at STFC Chilbolton Observatory. The system should have the following features, which are expanded further in subsequent sections:

1. It should be housed in a customised standard 20 foot ISO container with climate control. The container must be weatherproof and lightproof, except for the windows designed for laser beam transmission. It must be IP66 compliant.

2. It must have a design transmitting at a minimum, a single wavelength of 355 nm and recording elastic and inelastic (Raman-scattered at 387 nm) backscattering coefficient, and linear depolarisation ratio.

3. It must meet ACTRIS (Aerosols, Clouds, and Trace gases Research Infrastructure) requirements for a single wavelength system.

4. The instrument and container must be designed in such a way that it is straightforward to upgrade to transmit 532 nm and 1064 nm for the measurement of elastic and inelastic (Raman) backscattering coefficient and linear depolarisation ratio and to measure water vapour profiles using the 355nm beam without major modifications to the structure. It is anticipated that the measurement of linear depolarisation ratio at 1064 nm will require the use of a 2nd laser in order to ensure sufficient polarisation purity, and possibly a 2nd receiver. There should therefore be adequate space in the current design to allow this upgrade, unless a method not requiring this extra hardware is proposed and justified.

5. Full overlap of transmitted beam and receiver field of view must be achieved no higher than 300 metres with the capability to add lower range observations at a future date. This may require there to be sufficient space to accommodate the additional hardware (such as telescope, receiver optics, detectors).

6. Start-of-operation setup and ongoing alignment procedures must be automated as far as possible.

7. It should be reliable for routine operation.

Full details can be found within the supporting appendices on the Delta e-Sourcing system.

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

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

II.2.14) Additional information

To respond to this opportunity please click here: https://ukri.delta-esourcing.com/respond/295242HVC4

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

5 October 2021

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

5 October 2021

Local time

2:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.3) Additional information

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

https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Lasers./295242HVC4

To respond to this opportunity, please click here:

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GO Reference: GO-2021826-PRO-18802742

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