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Tender

CEFAS22-53 Invitation to Tender for provision of a chemical imaging and spectral analysis system

Cefas

F02: Contract notice

Notice identifier: 2022/S 000-028664

Procurement identifier (OCID): ocds-h6vhtk-0374fc

Published 12 October 2022, 11:46am

Section I: Contracting authority

I.1) Name and addresses

Cefas

Pakefield Road

Lowestoft

NR33 0HT

Contact

Holly Power

Email

procure@cefas.co.uk

Telephone

+44 2072385921

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

www.cefas.co.uk

I.3) Communication

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

<https://defra.bravosolution.co.uk/go/886911010183C6B243A7>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://defra.bravosolution.co.uk/go/886911010183C6B243A7>

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

Environment

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

CEFAS22-53 Invitation to Tender for provision of a chemical imaging and spectral analysis system

II.1.2) Main CPV code

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Marine Litter Team at Cefas require a chemical imaging and spectral analysis system to maintain and enhance Cefas' capability for the fast screening of microplastics in environmental samples down to at least 20 m. The proposed system will include an integrated particle characterisation process including size of the particles as well as polymer type by comparison to a built-in library database.

II.1.5) Estimated total value

Value excluding VAT: £150,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The Marine Litter Team at Cefas require a chemical imaging and spectral analysis system to maintain and enhance Cefas' capability for the fast screening of microplastics in environmental samples down to at least 20 µm. The proposed system will include an integrated particle characterisation process including size of the particles as well as polymer type by comparison to a built-in library database.

Chemical Imaging and spectral analysis system requirements:

- have a small footprint as laboratory space is limited. The unit should have a maximum footprint of (W x H x D) of 1000 x 500 x 650 (mm)
- be based on Quantum Cascade Laser (QCL) combined with scanning optics
- be highly automated
- not require cooling liquids such as liquid nitrogen, to reduce operating costs
- able to image large samples (e.g., 25 mm filters) as well as focusing on specific zones/particles of interest
- be able to operate in reflectance and attenuated total reflectance (ATR) mode and should be able to automatically switch between the two modes
- support samples on filters applications (e.g., gold, silver or other types of filters) of at least 25 mm diameters
- be able to analyse particles down to at least 20 µm in size
- be provided with a PC with Windows 10 as a minimum and operating software including a full polymer library
- include all other related key components such as nitrogen or air compressors

Software requirements:

- offer software with a fast and easy method creation
- include additional features including spectra post-processing options
- include search libraries for reliable compound identification with the option of creating in-house libraries
- allow for easy exports of data (e.g., MS Excel format) including analytical spectra and

library matches

It is important to Cefas that delivery is made before or during WC 20 March 2023 to ensure payment by end of FY22-23. If delivery cannot be accommodated in this timeframe, please refrain from bidding.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

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

Start date

7 December 2022

End date

31 March 2023

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 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

11 November 2022

Local time

12:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

11 November 2022

Local time

12:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

The High Court

The Strand

London

Country

United Kingdom