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Tender

CEFAS21-78 Liquid chromatography High-Resolution Mass Spectrometry system

Cefas

F02: Contract notice

Notice identifier: 2021/S 000-025646

Procurement identifier (OCID): ocds-h6vhtk-02eb9b

Published 13 October 2021, 10:45pm

Section I: Contracting authority

I.1) Name and addresses

Cefas

Pakefield Road

Lowestoft

Suffolk

Email

procure@cefas.co.uk

Telephone

+44 1502527766

Country

United Kingdom

NUTS code

UKK - South West (England)

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/52704340017C7AB3607B>

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/52704340017C7AB3607B>

Tenders or requests to participate must be submitted to the above-mentioned address

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Environment

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

CEFAS21-78 Liquid chromatography High-Resolution Mass Spectrometry system

II.1.2) Main CPV code

- 38433100 - Mass spectrometer

II.1.3) Type of contract

Supplies

II.1.4) Short description

Due to an expansion of work activities, Cefas has a requirement for a High-Resolution Mass Spectrometer (HRMS) at its Weymouth laboratory. This will expand upon the existing analytical capabilities and complement the existing triple quadrupole mass spectrometers and HPLC systems on site.

The system is required to have as a minimum three main applications for use, although other applications are expected. These include:

1. High resolution accurate mass MS and MS/MS information for identification and structural elucidation of low molecular weight natural aquatic biotoxins;
2. Untargeted analysis and identification of chemical contaminants (i.e. pharmaceutical compounds) in tissue and environmental samples;
3. Metabolomics workflow.

The system should also incorporate an appropriate chromatographic separation module

<https://defra.bravosolution.co.uk/go/52704340017C7AB3607B>

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38433100 - Mass spectrometer
- 51430000 - Installation services of laboratory equipment

II.2.3) Place of performance

NUTS codes

- UKK - South West (England)

Main site or place of performance

Cefas Weymouth, DT4 8UB

II.2.4) Description of the procurement

Cefas require a MALDI-TOFF benchtop bio-analyser and spectra libraries to rapidly detect bacteria, yeasts, and moulds, with an additional library to detect pathogens that require additional containment or security. The system must have the ability to curate libraries for niche pathogens that are critical for animal, human and environmental health. It would be attractive if these curated libraries could be shared with other collaborative partners (e.g., Animal and Plant Health Agency). These should be able to be shared via Excel or other easily compatible programme.

The instrument must have the option of positive or negative ion mode and features that enable novel future applications, such as AMR (Antimicrobial Resistance), lipid characterisation and new matrices (algae, hymolymph). A cleaning mode for the ion source must be integrated into the device. The technology must allow high mass spectrometric resolution across a wide mass range that is tailored to microorganism identification (bacteria, fungi, yeasts and moulds).

Installation and at least two days training must be provided by the Tenderer and included in the quotation. Pricing for a full-service agreement covering the lifetime of the instrument must also be included (10 years or 50 Million shots of the laser).

<https://defra.bravosolution.co.uk/go/79091401017C5A399CA5>

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: £280,000

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

Duration in months

12

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: No

IV.2) Administrative information

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

15 November 2021

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

15 November 2021

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