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Contract

Chemical Ionisation Mass Spectrometer

UNIVERSITY OF MANCHESTER

F03: Contract award notice

Notice identifier: 2022/S 000-035771

Procurement identifier (OCID): ocds-h6vhtk-038b84

Published 19 December 2022, 8:38am

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF MANCHESTER

Room G010, John Owens Building, Oxford Road

MANCHESTER

M139PL

Contact

Paul Carter

Email

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Telephone

+44 1612752207

Country

United Kingdom

Region code

UKD33 - Manchester

UK Register of Learning Providers (UKPRN number)

10007798

Internet address(es)

Main address

<http://www.procurement.manchester.ac.uk/>

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Chemical Ionisation Mass Spectrometer

Reference number

2022/1973/CIMS/HC

II.1.2) Main CPV code

- 38433100 - Mass spectrometer

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University intends to acquire a Chemical Ionisation (CI)-Time of Flight (ToF) is an ultrasensitive mass spectrometer The Centre for Atmospheric Sciences (CAS) at the University of Manchester is interested in a wide range of environmental science challenges, which involve under-standing the transfer of molecules between gas, liquid and solid phases.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: 762,430 USD

II.2) Description**II.2.3) Place of performance**

NUTS codes

- UKD3 - Greater Manchester

Main site or place of performance

The University of Manchester

II.2.4) Description of the procurement

The University intends to acquire a Chemical Ionisation (CI)-Time of Flight (ToF) is an ultrasensitive mass spectrometer The Centre for Atmospheric Sciences (CAS) at the University of Manchester is interested in a wide range of environmental science challenges, which involve under-standing the transfer of molecules between gas, liquid and solid phases.

II.2.5) Award criteria

Cost criterion - Name: Technical VFM / Weighting: 100

II.2.11) Information about options

Options: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the cases listed below

- The services can be provided only by a particular economic operator for the following reason:
 - absence of competition for technical reasons

Explanation:

A CI-TOF is an ultra-sensitive mass spectrometer for the online characterization of trace gases and aerosols in complex mixtures. This instrument will provide a high-resolution time of-flight mass spectrometer with bipolar power supply for positive or negative ion detection with interchangeable reactors for a full range of measurement options over an extensive volatility range. Interchange of these chemical ionization ion-molecule reactors will be possible while maintaining the operating pressure of the interface and TOF chambers . This instrument will provide

simultaneous switching between multiple (three or less) reagent ions of the same polarity with the PTR and AIM reactors and have the capability to connect reactors to inlets that allows for particulate and gas phase compositions in real time (VIA

inlet (PTR reactor), FIGAERO Inlet (AIM reactor)). This instrument will also provide an Extractive Electrospray (EESI) inlet that allows for detection of particle phase components without thermal vaporization.

Key performance specifications are: Sensitivity with PTR Reactor (xylene): 30001 cps/ppb at specified mass resolving power of 10,000. Sensitivity with Aim Reactor (levoglucosan): 30001 cps/ppb at specified mass resolving power. Limits of detection PTR Reactor (3 sigma LOD, xylene): 1E4 in 1 second Time response.

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.2.1) Previous publication concerning this procedure

Notice number: [2022/S 000-034668](#)

Section V. Award of contract

Contract No

2022/1973/CIMS/HC

Title

Chemical Ionisation Mass Spectrometer

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

19 December 2022

V.2.2) Information about tenders

Number of tenders received: 1

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Aerodyne Research Inc.

Billerica

Country

United States

NUTS code

- US - United States

Justification for not providing organisation identifier

Not on any register

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: 762,430 USD

Total value of the contract/lot: 762,430 USD

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

The High Court of Justice of England

Strand

London

WC2A 2LL

Country

United Kingdom

VI.4.4) Service from which information about the review procedure may be obtained

The University of Manchester

Oxford Road

Manchester

M13 9PL

Country

United Kingdom