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Award

Chemical Ionisation Mass Spectrometer

UNIVERSITY OF MANCHESTER

F15: Voluntary ex ante transparency notice

Notice identifier: 2022/S 000-034668
Procurement identifier (OCID): ocds-h6vhtk-038b84
Published 7 December 2022, 3:37pm

Section I: Contracting authority/entity

I.1) Name and addresses

UNIVERSITY OF MANCHESTER

Room G010,John Owens Building, Oxford Road

MANCHESTER

M139PL

Contact

Paul Carter

Email

paul.carter-2@manchester.ac.uk

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 ultra-sensitive 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 ultra-sensitive 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.2.11) Information about options

Options: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Negotiated without a prior call for competition

- The works, supplies or 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

Section V. Award of contract/concession

Contract No

2022/1973/CIMS/HC

Title

Chemical Ionisation Mass Spectrometer

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

6 December 2022

V.2.2) Information about tenders

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

V.2.3) Name and address of the contractor/concessionaire

Aerodyne Research Inc.

Billerica

Country

United States

NUTS code

- US - United States

Justification for not providing organisation identifier

Not on any register

The contractor/concessionaire is an SME

No

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

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

Total value of the contract/lot/concession: 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