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Tender

Tender for the Supply and Installation of a 9.39T (400 MHz for 1H) NMR spectrometer to the University of Birmingham

THE UNIVERSITY OF BIRMINGHAM

F02: Contract notice
Notice identifier: 2022/S 000-035517
Procurement identifier (OCID): ocds-h6vhtk-038dca
Published 15 December 2022, 1:57pm

Section I: Contracting authority

I.1) Name and addresses

THE UNIVERSITY OF BIRMINGHAM

EDGBASTON

BIRMINGHAM

B152TT

Contact

Kseniya Samsonik

Email

k.samsonik@bham.ac.uk

Country

United Kingdom

Region code

UKG31 - Birmingham

Companies House

RC000645

Internet address(es)

Main address

www.birmingham.ac.uk/index.aspx

I.3) Communication

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

www.in-tendhost.co.uk/universityofbirmingham/aspx/Home

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

www.in-tendhost.co.uk/universityofbirmingham/aspx/Home

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

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Tender for the Supply and Installation of a 9.39T (400 MHz for 1H) NMR spectrometer to the University of Birmingham

Reference number

SC11253/22

II.1.2) Main CPV code

- 33111610 - Magnetic resonance unit

II.1.3) Type of contract

Supplies

II.1.4) Short description

The School of Chemistry at the University of Birmingham invites tenders for supply of an NMR 400MHz spectrometer, comprising a 9.39T actively shielded magnet, 2-channel console, double-resonance broadband probe with automatic tuning and matching capable of measurements on the 19F nucleus and fitted with an autosampler (minimum 60 positions).

This project may be funded by the European Regional Development Fund (ERDF) or;

- European Structural and Investment Fund (ESIF) or;

- Research Councils UK (RCUK), the strategic partnership of the UK's seven Research Councils.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38433000 - Spectrometers

II.2.3) Place of performance

NUTS codes

- UKG31 - Birmingham

II.2.4) Description of the procurement

The School of Chemistry at the University of Birmingham invites tenders for supply of an NMR 400MHz spectrometer, comprising a 9.39T actively shielded magnet, 2-channel console, double-resonance broadband probe with automatic tuning and matching capable of measurements on the 19F nucleus and fitted with an autosampler (minimum 60 positions).

Instrument Specification

The requirements for this equipment are:

o A 9.39Tesla (400MHz for 1H) actively shielded magnet;

o a 2-channel NMR spectrometer console with appropriate amplifiers, pre-amplifiers, and shims system;

o double-resonance z-gradient broadband direct-detect probe with sensitivity enhancement on the 1H channel. This probe should be capable of 19F nucleus observation and automatic tuning and matching to all observable nuclei. The following sensitivities should be reached:

≥ 460:1 for 1H

≥ 210:1 for 13C (EB sample)

≥ 190:1 for 13C (ASTM sample)

≥ 100:1 for 31P (TPP sample)

≥ 500:1 for 19F (TFT sample)

o an autosampler and at least the corresponding number of sample holders (60 positions minimum);

o acquisition workstation and NMR acquisition software;

o un-crating and installation by qualified engineers;

o seamless transition between magnet being brought up to field, installation of console and set-up of the instrument by the application scientists ready to be used by a typical researcher in walk-up mode;

o Liquid helium costs for installation and commissioning of the magnet

o On and off-site training for users

o on-site support from the manufacturer's application scientists after acceptance

This instrument will be installed in the purpose-built "Molecular Sciences Building" (MSB) housing the School of Chemistry and the School of Geography, Earth and Environmental Sciences, which is due for completion on 31st of August 2023.

II.2.5) Award criteria

Quality criterion - Name: Compliance to the Specifications / Weighting: 30

Quality criterion - Name: After Sales and Technical back up / Weighting: 20

Quality criterion - Name: Delivery and Training / Weighting: 15

Quality criterion - Name: Sustainability and Environmental / Weighting: 5

Quality criterion - Name: Standard Supplier Questionnaire (SQ) / Weighting: 10

Price - Weighting: 20

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

Start date

1 February 2023

End date

1 December 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

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

30 January 2023

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

31 January 2023

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

University of Birmingham

Birmingham

B15 2TT

Country

United Kingdom