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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](mailto: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](http://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](http://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](http://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

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**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 <sup>19</sup>F 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  $^{19}\text{F}$  nucleus and fitted with an autosampler (minimum 60 positions).

### Instrument Specification

The requirements for this equipment are:

- o A 9.39Tesla (400MHz for  $^1\text{H}$ ) 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  $^1\text{H}$  channel. This probe should be capable of  $^{19}\text{F}$  nucleus observation and automatic tuning and matching to all observable nuclei. The following sensitivities should be reached:
  - ? ? 460:1 for  $^1\text{H}$
  - ? ? 210:1 for  $^{13}\text{C}$  (EB sample)
  - ? ? 190:1 for  $^{13}\text{C}$  (ASTM sample)
  - ? ? 100:1 for  $^{31}\text{P}$  (TPP sample)
  - ? ? 500:1 for  $^{19}\text{F}$  (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

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## **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

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## **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