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Contract

## **The Supply and Installation of a 9.39T (400 MHz for 1H) NMR Spectrometer for the University of Birmingham**

THE UNIVERSITY OF BIRMINGHAM

F03: Contract award notice

Notice identifier: 2023/S 000-010906

Procurement identifier (OCID): ocids-h6vhtk-038dca

Published 17 April 2023, 10:18am

### **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

<https://www.birmingham.ac.uk/index.aspx>

**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**

The Supply and Installation of a 9.39T (400 MHz for 1H) NMR Spectrometer for the University of Birmingham

Reference number

SC11253/23

**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  $^{19}\text{F}$  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.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £300,429

### **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 9.39 Tesla (400 MHz 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;

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- 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.2.11) 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.2.1) Previous publication concerning this procedure**

Notice number: [2022/S 000-035517](#)

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## **Section V. Award of contract**

### **Contract No**

SC11253/23

### **Title**

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

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

24 March 2023

#### **V.2.2) Information about tenders**

Number of tenders received: 3

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

**V.2.3) Name and address of the contractor**

JEOL (UK) Ltd

Welwyn Garden City

AL7 1LT

Country

United Kingdom

NUTS code

- UKH23 - Hertfordshire

Companies House

00939456

The contractor is an SME

Yes

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

Initial estimated total value of the contract/lot: £300,429

Total value of the contract/lot: £300,429

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## **Section VI. Complementary information**

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

University of Birmingham

Edgbaston

B15 2TT

Country

United Kingdom