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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): ocds-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

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

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}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}F 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 ^{19}F nucleus observation and automatic tuning and matching to all observable nuclei. The following sensitivities should be reached:
 - $\geq 460:1$ for ^1H
 - $\geq 210:1$ for ^{13}C (EB sample)
 - $\geq 190:1$ for ^{13}C (ASTM sample)
 - $\geq 100:1$ for ^{31}P (TPP sample)
 - $\geq 500:1$ for ^{19}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

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](#)

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

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Birmingham

Edgbaston

B15 2TT

Country

United Kingdom