Tender

THE SUPPLY AND INSTALLATION OF TWO ULTRA-FAST MAS PROBES FOR NMR SPECTROSCOPY OF BIOSOLIDS AT 1.2 GHZ - UNIVERSITY OF BIRMINGHAM

THE UNIVERSITY OF BIRMINGHAM

F02: Contract notice
Notice identifier: 2024/S 000-019591
Procurement identifier (OCID): ocds-h6vhtk-0472d6
Published 26 June 2024, 7:24pm

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

UK Register of Learning Providers (UKPRN number)

10006840

Internet address(es)

Main address

www.bham.ac.uk

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

THE SUPPLY AND INSTALLATION OF TWO ULTRA-FAST MAS PROBES FOR NMR SPECTROSCOPY OF BIOSOLIDS AT 1.2 GHZ - UNIVERSITY OF BIRMINGHAM

II.1.2) Main CPV code

- 33113110 - Nuclear magnetic resonance scanners

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Birmingham invites tenders for the supply and installation of two ultra-fast magic-angle-spinning (MAS) triple-resonance probes to be used in combination with a Bruker 1.2-GHz NMR spectrometer and 54mm standard-bore Ascend 1200 magnet.

II.1.5) Estimated total value

Value excluding VAT: £210,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The University of Birmingham invites tenders for the supply and installation of two ultra-fast magic-angle-spinning (MAS) triple-resonance probes to be used in combination with a Bruker 1.2-GHz NMR spectrometer and 54mm standard-bore Ascend 1200 magnet.

Both probes are intended to be used primarily for 1H-detected double- and triple-

resonance NMR of semi-solid biological samples under conditions of ultra-fast MAS (>100 kHz). The probes should be different with respect to their sample volumes (and therefore rotor-diameters and maximum achievable MAS rates). The first probe should ideally have a sample volume of 900 µL (or greater) and be capable of a MAS rate of 100 kHz (or faster). The second probe should ideally have a sample volume of 250 uL (or greater) and be capable of a MAS rate of 150 kHz (or faster). Both probes should be optimized for 1H sensitivity and should permit a 1H/13C/15N triple-resonance channel-configuration, and the probe with the larger sample volume should additionally permit a 1H/13C/31P channel-configuration.

In addition to the probes themselves, the equipment package should include the following items:

- A dedicated MAS control unit.

- All accessories, mounting elements and electronic and pneumatic adaptors/interconnectors required for temperature-controlled operation of the probes with the latest-generation Bruker 1.2 GHz NMR magnet and spectrometer.

- Rotor-handling station(s)/kit(s) to facilitate loading and removal of wet, semi-solid biological samples into the MAS rotors (including centrifugal adaptors).

- Pre-filled test rotors required for probe installation, testing and optimization.

- Sets of empty rotors and caps.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6) Estimated value

Value excluding VAT: £210,000

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

Start date

10 August 2024

End date

30 July 2026

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

26 July 2024

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Tender must be valid until: 31 December 2024

IV.2.7) Conditions for opening of tenders

Date

26 July 2024

Local time

12:01pm

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

The University of Birmingham

Birmingham

Country

United Kingdom