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Tender

## **School of Chemistry: Electron Paramagnetic Resonance Spectroscopy**

University of St Andrews

F02: Contract notice

Notice identifier: 2024/S 000-035746

Procurement identifier (OCID): ocds-h6vhtk-04b3ed

Published 5 November 2024, 10:24am

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

University of St Andrews

Walter Bower House, Eden Campus

Guardbridge

KY16 0US

#### **Contact**

Adrian Wood

#### **Email**

[procurement@st-andrews.ac.uk](mailto:procurement@st-andrews.ac.uk)

#### **Telephone**

+44 1334462523

#### **Country**

United Kingdom

**NUTS code**

UKM72 - Clackmannanshire and Fife

**Internet address(es)**

Main address

<http://www.st-andrews.ac.uk/procurement/>

**I.3) Communication**

Access to the procurement documents is restricted. Further information can be obtained at

<https://in-tendhost.co.uk/universityofstandrews>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://in-tendhost.co.uk/universityofstandrews>

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://in-tendhost.co.uk/universityofstandrews>

**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**

School of Chemistry: Electron Paramagnetic Resonance Spectroscopy

Reference number

CHM/051124/BB/SL

### **II.1.2) Main CPV code**

- 38433000 - Spectrometers

### **II.1.3) Type of contract**

Supplies

### **II.1.4) Short description**

Lot 1: Q-band pulse EPR spectrometer

Lot 2: Q-band pulse EPR resonator with high concentration sensitivity

Lot 3: Q-band pulse EPR resonator with high absolute sensitivity

Lot 4: Q-band pulse microwave amplifier

Lot 5: Radiofrequency amplifier

### **II.1.5) Estimated total value**

Value excluding VAT: £400,000

### **II.1.6) Information about lots**

This contract is divided into lots: Yes

Tenders may be submitted for all lots

The contracting authority reserves the right to award contracts combining the following lots or groups of lots:

All or any Lots.

## **II.2) Description**

### **II.2.1) Title**

Q-Band Pulse EPR Spectrometer

Lot No

1

### **II.2.2) Additional CPV code(s)**

- 38433000 - Spectrometers

### **II.2.3) Place of performance**

NUTS codes

- UKM72 - Clackmannanshire and Fife

Main site or place of performance

UK - St Andrews

### **II.2.4) Description of the procurement**

Q-Band Pulse EPR Spectrometer

- An existing Bruker E580 X-band (~9.5 GHz) pulse EPR spectrometer operating with a Bruker ER 073 electromagnet, and a Cryogenics Cryogen Free Variable Temperature Cryostat is to be replaced, extended or upgraded to Q-band (~34 GHz).
- The current 3.6 kW magnet power supply will need to be exchanged with a 12 kW power supply (Bruker ER 83 CS) available in the laboratory.
- The current capability of generating arbitrary waveforms is to be retained.
- The current capability of ENDOR (electron nuclear double resonance) is to be retained.
- A data acquisition workstation and software licence are to be provided (Bruker Xepr license could be exchanged).
- Pulse programming allowing standard experiments and usual phase cycles (4-pulse DEER, 5-pulse RIDME, 6 Pulse DQC, 2 and 3-pulse ESEEM, HYSCORE, Mims- and Davies-ENDOR etc.).

### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 70

Cost criterion - Name: Cost / Weighting: 30

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

Duration in months

3

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

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

### **II.2.14) Additional information**

All tenders for the University of St Andrews are administered through our eTendering System (InTend). To Express an Interest please go to our tender website at <https://intendhost.co.uk/universityofstandrews>

Please note that 'Notes of Interest' placed via PCS (Public Contracts Scotland) are not automatically accepted

## **II.2) Description**

### **II.2.1) Title**

Q-Band Pulse EPR Resonator with High Concentration Sensitivity

Lot No

2

### **II.2.2) Additional CPV code(s)**

- 38433000 - Spectrometers
- 38400000 - Instruments for checking physical characteristics

### **II.2.3) Place of performance**

NUTS codes

- UKM72 - Clackmannanshire and Fife

Main site or place of performance

UK-St Andrews

### **II.2.4) Description of the procurement**

- Q-band resonator with large sample access for high concentration sensitivity.
- Operating temperatures from 1.8 K to 300 K.
- Compatible with Cryogenics Cryogen Free Variable Temperature Cryostat.
- Connected via WR-28 waveguides.
- Cold sample loading system.

### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 70

Cost criterion - Name: Cost / Weighting: 30

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

Duration in months

3

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

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

### **II.2.14) Additional information**

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## **II.2) Description**

### **II.2.1) Title**

Q-Band Pulse EPR Resonator with High Absolute Sensitivity

Lot No

3

### **II.2.2) Additional CPV code(s)**

- 38400000 - Instruments for checking physical characteristics

### **II.2.3) Place of performance**

NUTS codes

- UKM72 - Clackmannanshire and Fife

Main site or place of performance

UK- St Andrews

### **II.2.4) Description of the procurement**

- Q-band resonator with small sample access for high absolute sensitivity.
- Operating temperatures from 1.8 K to 300 K.
- Compatible with Cryogenics Cryogen Free Variable Temperature Cryostat.
- Connected via WR-28 waveguides.
- Cold sample loading system.
- Typical B1 conversion factor at low Q.
- Sample access size: diameter and active length.
- Bandwidth at low Q.
- Optical access.
- Short ring down time with low Q and high-power pulses.

#### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 70

Cost criterion - Name: Cost / Weighting: 30

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

Duration in months

3

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

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

### **II.2.14) Additional information**

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## **II.2) Description**

### **II.2.1) Title**

Q-Band Pulse Microwave Amplifier

Lot No

4

### **II.2.2) Additional CPV code(s)**

- 32343000 - Amplifiers

### **II.2.3) Place of performance**

NUTS codes

- UKM72 - Clackmannanshire and Fife

Main site or place of performance

UK-St Andrews

### **II.2.4) Description of the procurement**

- Q-band microwave amplifier for pulse operation.
- At least 40 W peak power (46 dB gain from 1 dBm).
- Frequency of operation.

- Peak power.
- Typical gain.
- Input and output connectors.
- Pulse rise and fall times.
- Maximum gate length and duty cycle.
- Enclosure and power supply.
- WR-28 output connection.
- 100 W or more output peak power.
- noise blanking.

#### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 70

Cost criterion - Name: Cost / Weighting: 30

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

Duration in months

3

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

#### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union

funds: No

### **II.2.14) Additional information**

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## **II.2) Description**

### **II.2.1) Title**

Radiofrequency Amplifier

Lot No

5

### **II.2.2) Additional CPV code(s)**

- 32343100 - Audio-frequency amplifiers

### **II.2.3) Place of performance**

NUTS codes

- UKM72 - Clackmannanshire and Fife

Main site or place of performance

UK-St Andrews

### **II.2.4) Description of the procurement**

- 10 kHz – 100 MHz output.
- Peak power.
- Gain.
- Duty cycle.
- Input and output connectors.

- Enclosure and power supply.
- 150 W or more output peak power.

#### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 70

Cost criterion - Name: Cost / Weighting: 30

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

Duration in months

3

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

#### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

#### **II.2.14) Additional information**

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## **Section III. Legal, economic, financial and technical information**

### **III.1) Conditions for participation**

#### **III.1.2) Economic and financial standing**

Selection criteria as stated in the procurement documents

#### **III.1.3) Technical and professional ability**

Selection criteria as stated in the procurement documents

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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

6 December 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**

Duration in months: 3 (from the date stated for receipt of tender)

#### **IV.2.7) Conditions for opening of tenders**

Date

6 December 2024

Local time

12:00pm

Place

Procurement - University of St Andrews

Information about authorised persons and opening procedure

Appointed Procurement Staff.

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### **Section VI. Complementary information**

#### **VI.1) Information about recurrence**

This is a recurrent procurement: No

#### **VI.2) Information about electronic workflows**

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

#### **VI.3) Additional information**

All tenders for the University of St Andrews are administered through our eTendering System (InTend). To Express an Interest please go to our tender website at <https://intendhost.co.uk/universityofstandrews>

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NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

[https://www.publiccontractsscotland.gov.uk/Search/Search\\_Switch.aspx?ID=782325](https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=782325).

(SC Ref:782325)

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

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

Dundee Sheriff Court

6 West Bell Street

Dundee

DD1 9AD

Telephone

+44 1382229961

Country

United Kingdom

### **VI.4.3) Review procedure**

Precise information on deadline(s) for review procedures

The University of St Andrews will incorporate a minimum of 10 calendar day standstill period at the point of information on the award of the contract being communicated to tenderers. This period allows unsuccessful tenderers to seek further debriefing from the contracting authority before the contract is entered into. Applicants have 2 working days from the notification of the award decision to request additional debriefing and that information has to be provided a minimum of 3 working days before the expiry of the standstill period. Such additional information should be requested from The University of St Andrews.

If an appeal regarding the award of contract has not been successfully resolved The Public Contracts (Scotland) Regulations 2012 provide for aggrieved parties who have been harmed or are at risk of harm by a breach of the rule to take action in the Sheriff Court or Court of Session.

The anticipated review body in such cases would be:

Dundee Sheriff Court

6 West Bell Street

Dundee

DD1 9AD

Telephone: +44 1382 229 961

Anyone bringing court proceedings against the University of St Andrews must inform the University of St Andrews in advance of the alleged breach and its intention to bring proceedings. Any such action must be brought within 15 days of the date on which a decision is sent to them or published to challenge that decision.

Proceedings seeking an ineffectiveness order must be brought within 30 days of the publication of the contract award notice in the OJEU, or 30 days from the date of a decision letter to all tenderers concerned, and any candidates concerned, containing a summary of the reason for the recipient being unsuccessful, otherwise 6 months from the date of entering into the contract or concluding the framework agreement.

Where a contract has not been entered into the Court may, by interim order, suspend the procurement procedure. The court may also set aside a decision or actions taken by the University or order it to amend and document; and/or award damages. However, by express requirement the court may decide not to grant an interim order when the negative consequences of such an order are likely to outweigh the benefits, having regard to a number of considerations.

If the contract has been entered into the Court may, depending on the nature of the breach: make an ineffectiveness order; impose a financial penalty; shorten the duration of the contract; make any other order considered appropriate to address the consequences of ineffectiveness or shortening the duration of the contract; award damages.