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Tender

School of Chemistry: Refinery Gas Analysers and GC x GC

University of St Andrews

F02: Contract notice

Notice identifier: 2023/S 000-032536

Procurement identifier (OCID): ocids-h6vhtk-041180

Published 3 November 2023, 9:41am

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

Telephone

+44 1334462523

Country

United Kingdom

NUTS code

UKM72 - Clackmannanshire and Fife

Internet address(es)

Main address

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

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00111

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

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

School of Chemistry: Refinery Gas Analysers and GC x GC

Reference number

CHM/031123/PW/SL

II.1.2) Main CPV code

- 38434000 - Analysers

II.1.3) Type of contract

Supplies

II.1.4) Short description

The core objective of the project this equipment will facilitate is to establish the fundamental science component of a new Power-to-Liquids facility at the University of St Andrews' Eden campus.

To achieve this, we seek to procure via this Procurement exercise:

(i) 2 x Refinery gas analysers (RGA) that provide a complete solution for the separation of mixtures of various hydrocarbons, permanent gases, and sulfur compounds. The RGAs will be integrated with 2 reactor units for continuous in-line analysis of reactor tail gas.

(ii) 2-Dimensional Gas Chromatograph that enables detailed analysis of complex liquid product mixtures.

II.1.5) Estimated total value

Value excluding VAT: £200,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38432210 - Gas chromatographs

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

Requirements

All items are considered as a single package

1.1. 2 x Refinery Gas Analysers

The RGAs will be used to determine catalyst performance through continuous in-line analysis of tail gas on each reactor unit. The following specifications are required:

- Simultaneous detection of hydrocarbons (up to C14), permanent gases, and hydrogen with a single injection.
- Heat traced up to point of injection. The RGA's will be used for hot tail gas analysis with heating tracing (180 C) up to the reactor sampling point.
- Flameout detection and automatic reignition
- Workstation and software

1.2. 2D GC

The 2D GC will be employed for detailed analysis of complex liquid product mixtures. The following specifications are required:

- Quantitative analysis of complex hydrocarbon mixtures containing alkanes, alkenes and oxygenates up to C100. For reference, the work reported by Partington et al, Journal of Analytical Science and Technology (2020) 11:42, <https://doi.org/10.1186/s40543-020-00235-5>, gives a good overview of product slates likely to be encountered. We anticipate a high degree of branched hydrocarbons, which

will further complicate product separation.

- Mass spec detection
- Workstation and software

1.3. Sustained Operation

Costs for servicing and maintenance contracts for 4 years beyond the warranty period shall be provided and will cover:

- Annual preventive maintenance visit.
- Access to telephone and email support during office hours.
- Service visits (travel and labour).
- Service parts.

Expected response time from receiving the enquiry should also be included.

1.4. Documentation

System documentation will be delivered in the following form;

- 1 x Paper Copy
- 1 x Electronic Copy (USB-Stick)

The documentation shall include, but not be limited to;

- Calibration reports and certificates where applicable
- Functional test reports
- User manual(s)
- UKCA marking & documentation
- Training at customer site
- Delivery under Incoterms 2010 DAP, St Andrews University, UK

Please see tender documents for full details.

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: £200,000

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

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

III.2) Conditions related to the contract

III.2.3) Information about staff responsible for the performance of the contract

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract

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

5 December 2023

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

5 December 2023

Local time

12:00pm

Place

Procurement - University of St Andrews

Information about authorised persons and opening procedure

Appointed Procurement Staff.

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

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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=749126.

(SC Ref:749126)

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.