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Tender

School of Earth and Environmental Sciences: StAGE laboratory 193nm Excimer Laser Ablation System

University of St Andrews

F02: Contract notice

Notice identifier: 2024/S 000-034162

Procurement identifier (OCID): ocds-h6vhtk-04b02c

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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 Earth and Environmental Sciences: StAGE laboratory 193nm Excimer Laser Ablation System

II.1.2) Main CPV code

- 38636100 - Lasers

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: £265,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38636100 - Lasers

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

Laser system:

An 193nm UV excimer laser ablation system for ablation of silicate, phosphate, oxide and carbonate minerals to make trace element and isotope ratio measurements by split-stream coupling the laser system to a multi-collector inductively-coupled plasma mass spectrometer and a collision cell “triple quad” inductively-coupled plasma mass spectrometer. Ideally it would have an integrated LIBS detector and the ability to pair LIBS and LA-ICPMS analyses.

We require a 193 nm, short pulse (