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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](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/>

Buyer's address

[https://www.publiccontractsscotland.gov.uk/search/Search\\_AuthProfile.aspx?ID=AA00111](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

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## **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 (