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Tender

INVITATION TO TENDER FOR XRF Spectrometer

Sheffield Hallam University

F02: Contract notice

Notice identifier: 2021/S 000-028319

Procurement identifier (OCID): ocds-h6vhtk-02f60c

Published 12 November 2021, 11:05am

Section I: Contracting authority

I.1) Name and addresses

Sheffield Hallam University

City Campus, Howard Street

SHEFFIELD

S11WB

Contact

Procurement Team

Email

strategicprocurement@shu.ac.uk

Country

United Kingdom

NUTS code

UKE32 - Sheffield

Internet address(es)

Main address

<https://www.shu.ac.uk/>

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

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

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/sheffieldhallamuniversity>

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/sheffieldhallamuniversity>

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

INVITATION TO TENDER FOR XRF Spectrometer

Reference number

2122-09-RIS-SH

II.1.2) Main CPV code

- 38433000 - Spectrometers

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University has identified a need for an X-ray Fluorescence (XRF) spectrometer. This is to replace the 20 years old PANalytical MagiX PRO wavelength dispersive XRF spectrometer which is currently in the X-ray laboratory within the Harmer building room 2019, part of the Materials and Engineering Research Institute (MERI).

II.1.5) Estimated total value

Value excluding VAT: £161,666.67

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 33110000 - Imaging equipment for medical, dental and veterinary use

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

SHEFFIELD

II.2.4) Description of the procurement

The University has identified a need for an X-ray Fluorescence (XRF) spectrometer. This

is to replace the 20 years old PANalytical MagiX PRO wavelength dispersive XRF spectrometer which is currently in the X-ray laboratory within the Harmer building room 2019, part of the Materials and Engineering Research Institute (MERI). The replacement instrument will be sited in the X-ray laboratory, Harmer building room number 2019. There is already suitable power, cooling water and gas connections in this laboratory which were used for the MagiX PRO. The replacement instrument will be able to use these connections. No extra building work will be required to accommodate any potential replacement instrument.

XRF uses X-rays as a chemical analysis tool, usually on solid samples. When X-rays of an appropriate energy interact with a particular element in a sample this causes electrons in the sample to be excited to a higher energy state. When the electron returns to its original electronic state an X-ray photon is emitted, this photon has an energy corresponding to the difference between the two electronic states. Each electronic transition has a different X-ray energy; therefore, by detecting the energy of the emitted photons from XRF the elements present can be detected. The proportions of different elements can then be determined from the intensities of the detected X-ray photons.

The technical specification tables of requirements below detail the essential and highly desirable performance or functional requirements of the machine identified by the University.

We also require information about Warranty, Documentation, Maintenance, Delivery, Installation, Commissioning and Acceptance Testing, Training, Health and Safety (H&S) and Technical Support within the Quality Criteria (Reply Form 3) section of the tender pack.

The equipment needs to be delivered and installed including training by 31st May 2022. Three members of university staff will require full training on the machine, and this will need to be completed over the period between 15th February 2022 - 31st May 2022.

II.2.5) Award criteria

Quality criterion - Name: Ability to meet essential technical requirements / Weighting: PASS/FAIL

Quality criterion - Name: Ability to meet Desirable technical requirements / Weighting: 29%

Quality criterion - Name: Usability, Operation and System Configuration / Weighting: 5%

Quality criterion - Name: Build Quality and Future Proofing / Weighting: 2%

Quality criterion - Name: Cost and Impact of ownership (Social Value) / Weighting: 2%

Quality criterion - Name: Delivery / Weighting: 2%

Quality criterion - Name: Installation, Commissioning and Training / Weighting: 3%

Quality criterion - Name: Warranty / Weighting: 4%

Quality criterion - Name: Service Packages / Weighting: For Information Only

Quality criterion - Name: Student Opportunities (Social Value) / Weighting: 5%

Quality criterion - Name: Site Preparation / Weighting: For Information Only

Quality criterion - Name: Social Value Considerations (Social Value) / Weighting: 3%

Quality criterion - Name: System Development, Security and Software
Functionality/Support / Weighting: 5%

Price - Weighting: 40%

II.2.6) Estimated value

Value excluding VAT: £161,666.67

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

Duration in months

12

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: Yes

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: No

IV.2) Administrative information

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

17 December 2021

Local time

10:00am

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

17 December 2021

Local time

10:01am

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.4) Procedures for review

VI.4.1) Review body

Sheffield Hallam University

Howard St, Sheffield City Centre, Sheffield S1 1WB

Sheffield

S1 1WB

Country

United Kingdom