Contract

1920-58-RIS-LW - ERDF Funded - INVITATION TO TENDER for an Analytical Transmission Electron Microscope

Sheffield Hallam University

F03: Contract award notice
Notice identifier: 2021/S 000-022766
Procurement identifier (OCID): ocds-h6vhtk-029bc9
Published 14 September 2021, 10:26am

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

Telephone

+44 1142253431

Country

United Kingdom

NUTS code

UKE32 - Sheffield

Internet address(es)

Main address

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

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

1920-58-RIS-LW - ERDF Funded - INVITATION TO TENDER for an Analytical Transmission Electron Microscope

Reference number

1920-58-RIS-LW

II.1.2) Main CPV code

- 38510000 - Microscopes

II.1.3) Type of contract

Supplies

II.1.4) Short description

Sheffield Hallam University wishes to procure a Transmission Electron Microscope. The

project is receiving funding from the England European Regional Development Fund as

part of the European Structural and Investment Funds Growth Programme 2014-2020. The Ministry of Housing Communities and Local Government (and in London the intermediate body Greater

London Authority) is the Managing Authority for European Regional Development Fund. The TEM will support applied research and development in a wide range of applications and materials types,

from metallic alloys, glasses and ceramics, polymer composites and hybrid Bio-compatible materials (e.g. hydro-gels).

The instrument has been specified to be as flexible as possible so that many different users will be able to analyse their materials. This has included ways of mitigating electron beam damage to

sensitive samples to allow "soft" materials to be studied.

All references to "Sheffield Hallam University" include all wholly owned subsidiaries of the University, including but not limited to SHULaw.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £1,000,000

II.2) Description

II.2.2) Additional CPV code(s)

- 38512000 - Ion and molecular microscopes

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sheffield

II.2.4) Description of the procurement

Sheffield Hallam University wishes to procure a Transmission Electron Microscope. The project is receiving funding from the England European Regional Development Fund as part

of the European Structural and Investment Funds Growth Programme 2014-2020. The Ministry of Housing,

Communities and Local Government (and in London the intermediate body Greater London

Authority) is the Managing Authority for European Regional Development Fund helps local areas stimulate

their economic development by investing in projects which will support innovation, businesses, create jobs and local community

regenerations. For more information visit

https://www.gov.uk/european-growth-funding

The TEM will support applied research and development in a wide range of applications and materials types, from metallic alloys, glasses and ceramics, polymer composites and hybrid Bio-compatible materials (e.g. hydro-gels).

The instrument has been specified to be as flexible as possible so that many different users will be able to analyse their materials. This has included ways of mitigating electron beam damage to

sensitive samples to allow "soft" materials to be studied.

By imaging and analysing materials at ultra-high magnification the instrument can determine the fundamental mechanism responsible for a material's properties and performance and thus allows researchers in academia and in industry to tailor a material's properties to meet new challenges. This could be in

terms of improved strength, hardness, high temperature performance and corrosion resistance, etc.. It allows

the interaction between inorganic and organic (including biological) materials to be studied and modified for better performing medical devices or polymer composites.

The capabilities enabled by this equipment will be of benefit to a broad range of

companies, including SME's, in materials and manufacturing. The benefits / likely outcomes are; Development of new materials, materials failure investigations, understanding the effect of materials processing on microstructure and subsequent properties/applications. Also the examination of bio-compatible in support of health applications, for example,

implants. The medium to longer term objectives, year 2 onwards, include work with business and academic partners, as

well as industrial collaborators including RTOs. Focus in on regional companies (due to ERDF funding) to -

• Develop new materials, products and components; Improve existing products and processes; and increase

performance and market opportunities for companies through improved product life, longevity, durability,

usability and/or enhanced functionality.

• Increase competitiveness of UK and SCR companies in priority sectors, including manufacturing, health care

technologies and devices

• Increase the number of small and medium sized enterprises engaged in knowledge exchange and collaboration

• Improve the commercialisation and market entry of new or enhanced products or services including by small and medium sized enterprises

• Increase investment in research and innovation, including by small and medium sized enterprises.

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: 20%

Quality criterion - Name: Suitability of proposed offering to meet our requirements / Weighting: 5%

Quality criterion - Name: Imaging performance / Weighting: 8%

Quality criterion - Name: STEM/EDS performance / Weighting: 10%

Quality criterion - Name: Camera performance / Weighting: 10%

Quality criterion - Name: Software / Weighting: 3%

Quality criterion - Name: UPS / Weighting: 2%

Quality criterion - Name: Usablity / Weighting: 4%

Quality criterion - Name: Site survey / Weighting: 7%

Quality criterion - Name: System expandability / Weighting: 4%

Quality criterion - Name: Warranty & Maintenance / Weighting: 5%

Quality criterion - Name: Installation, Commissioning & Training / Weighting: Pass/Fail

Quality criterion - Name: Student opportunities / Weighting: 2%

Quality criterion - Name: Cost & impact of ownership / Weighting: For information

Quality criterion - Name: Delivery / Weighting: For information

Price - Weighting: 20%

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.2.1) Previous publication concerning this procedure

Notice number: 2021/S 000-005208

Section V. Award of contract

Contract No

1920-58-RIS-LW

Title

1920-58-RIS-LW - ERDF Funded - INVITATION TO TENDER for an Analytical Transmission Electron Microscope

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

9 August 2021

V.2.2) Information about tenders

Number of tenders received: 2

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

FEI UK Ltd

3rd Floor, 1 Ashley Road, Altrincham, Cheshire WA14 2DT United Kingdom

Altrincham

WA14 2DT

Country

United Kingdom

NUTS code

- UKD6 - Cheshire

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £1,000,000

Total value of the contract/lot: £999,999.17

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Sheffield Hallam University

Sheffield

Country

United Kingdom