

United Kingdom-Manchester: Laboratory, optical and precision equipments (excl. glasses)
OJ S 85/2021 03/05/2021
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: The University of Manchester

Postal address: Oxford Road

Town: Manchester

NUTS code: UKD3 Greater Manchester

Postal code: M13 9PL

Country: United Kingdom

E-mail: procurement@manchester.ac.uk

Telephone: +44 1612752160

Internet address(es):

Main address: <http://www.procurement.manchester.ac.uk/>

I.4. Type of the contracting authority

Other type: Body governed by public law

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

X-ray Computed Tomography (XCT) Scanners for the National Research Facility in Lab XCT

Reference number: 2020-1668-XRCTS-TB-PC

II.1.2. Main CPV code

38000000 Laboratory, optical and precision equipments (excl. glasses)

II.1.3. Type of contract

Supplies

II.1.4. Short description

This project will create a UK National Research Facility (NRF) that will be accessible to both academics and industrial users with Manchester as the hub along with a number of spokes.

Our research group the National Research Facility in Lab XCT which constitutes The University of Manchester, The University of Warwick, University College London (UCL) and the University of Southampton wish to enhance the capabilities of their facilities.

It is our intention to make the NRF the World leading centre for lab X-ray CT. We are focused on providing our users access they need to the expertise, support and data analysis tools they need to exploit X-ray CT for their own research and understanding. Through this equipment our ambition is to also provide cutting-edge capabilities for the acquisition of unique datasets.

II.1.6. Information about lots

This contract is divided into lots: yes

II.1.7. Total value of the procurement

Lowest offer: 2 462 412,00 GBP / Highest offer: 4 426 498,00 GBP taken into consideration

II.2. Description

II.2.1. Title

Large Volume Correlative X-Ray CT Scanner

Lot No: 1

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38400000 Instruments for checking physical characteristics, 38582000 X-ray inspection equipment, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: The University of Manchester.

II.2.4. Description of the procurement

We wanted to collect very large voxel number datasets which push the resolution-field of view ratio into new areas and allow for the surveying and statistical analysis across huge volumes. This should be delivered in a user friendly way.

II.2.5. Award criteria

Quality criterion - Name: Quality / Weighting: 40

Quality criterion - Name: Test procedure / Weighting: 20

Quality criterion - Name: Technical support / Weighting: 15

Cost criterion - Name: Cost / Weighting: 25

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: yes

Identification of the project: EPSRC.

II.2.14. Additional information

II.2. Description

II.2.1. Title

Walk in Sub-micron X-Ray CT Scanner

Lot No: 2

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection

equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: The University of Manchester.

II.2.4. Description of the procurement

We wanted to realise an instrument unique in the World for conducting in-situ experiments in the lab with sub-micron resolution. Here we wanted to push the envelope of speed and resolution, whilst maintaining a practical platform to integrate multiple sample environments. This system will be installed into an existing interlocked radiation shielded room. The experimental setup, scanning and data pipeline should all be dedicated to ensuring a seamless process for 4D studies.

II.2.5. Award criteria

Quality criterion - Name: Quality / Weighting: 40

Quality criterion - Name: Test procedure / Weighting: 20

Quality criterion - Name: Technical support / Weighting: 15

Cost criterion - Name: Cost / Weighting: 25

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:
yes

Identification of the project: EPSRC.

II.2.14. Additional information

II.2. Description

II.2.1. Title

Source Upgrade for Zeiss Versa 520

Lot No: 3

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: The University of Manchester.

II.2.4. Description of the procurement

Source upgrade for Zeiss Versa 520 including full integration into current and future control systems and software.

II.2.5. Award criteria

Quality criterion - Name: Quality / Weighting: 60

Quality criterion - Name: Technical support / Weighting: 15

Cost criterion - Name: Cost / Weighting: 25

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:
yes

Identification of the project: EPSRC

II.2.14. Additional information

II.2. Description

II.2.1. Title

A Metrology Grade X-ray Computed Tomography Scanner for the UK National Research Facility

Lot No: 4

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: University of Warwick.

II.2.4. Description of the procurement

As part of a planned expansion of facilities within the IMC Building, there existed a requirement for a metrology grade CT scanner for industrial applications. The major theme centres on metrology for manufacturing but will also be used for analysis on batteries, low carbon mobility and materials development.

II.2.5. Award criteria

Quality criterion - Name: Ability to meet specification and performance / Weighting: 20

Quality criterion - Name: MPE evaluation/component testing / Weighting: 30

Quality criterion - Name: Ability to meet delivery timescales / Weighting: 10

Quality criterion - Name: Support and warranty / Weighting: 20

Cost criterion - Name: Total cost / Weighting: 20

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:
yes

Identification of the project: EPSRC

II.2.14. Additional information

II.2. Description

II.2.1. Title

A Large-scale, High-resolution X-ray Scanning Capability for the UK National Research Facility AND an Enclosure for the Large-scale X-ray Computed Tomography (CT) Scanning Capability

Lot No: 5

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: University of Southampton.

II.2.4. Description of the procurement

The University of Southampton wished to purchase a large-scale, high-resolution X-ray CT scanning capability and an enclosure.

II.2.5. Award criteria

Quality criterion - Name: Ability to meet specification and performance for scanner and enclosure / Weighting: 20

Quality criterion - Name: Component test results / Weighting: 20

Quality criterion - Name: Ability to meet delivery timescales / Weighting: 10

Quality criterion - Name: Adaptability/integration of enclosure to X-ray scanning hardware / Weighting: 10

Quality criterion - Name: Support and warranty / Weighting: 20

Cost criterion - Name: Total cost / Weighting: 20

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: yes

Identification of the project: EPSRC

II.2.14. Additional information

II.2. Description

II.2.1. Title

A Large-scale, High-resolution X-ray Scanning Capability for the UK National Research Facility
Lot No: 6

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: University of Southampton.

II.2.4. Description of the procurement

This project will create a UK National Research Facility (NRF), primarily supporting engineering and the physical sciences, that will be accessible to both academics and industrial users, with Manchester as the lead and a number of partners of which Southampton is one.

Tenders were invited for a large-scale X-ray CT scanning capability, addressing both physically large, and complex samples (hybrid multi-material components and assembled systems), whilst maintaining high spatial resolution. We anticipated this will be a somewhat bespoke combination of both X-ray hardware, sample gantry, control systems and large high-energy shielded room. As well as standard cone-beam CT imaging for immediate turn-key operation, we intend to deploy capabilities developed within recent research projects (experimental and computational,

II.2.5. Award criteria

Quality criterion - Name: Ability to meet specification and performance for scanner / Weighting: 20

Quality criterion - Name: Component test results / Weighting: 20

Quality criterion - Name: Ability to meet delivery timescales / Weighting: 10

Quality criterion - Name: Adaptability/integration of X-Ray scanning hardware to the enclosure / Weighting: 10

Quality criterion - Name: Support and warranty / Weighting: 20

Cost criterion - Name: Total cost / Weighting: 20

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: yes

Identification of the project: EPSRC.

II.2.14. Additional information

II.2. Description

II.2.1. Title

Enclosure for the Large-scale X-ray Computed Tomography (CT) Scanning Capability
Lot No: 7

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: University of Southampton.

II.2.4. Description of the procurement

The University wished to procure an enclosure for the large-scale X-ray scanning capability.

II.2.5. Award criteria

Quality criterion - Name: Ability to meet specification and performance / Weighting: 25

Quality criterion - Name: Adaptability to X-ray scanning hardware / Weighting: 25

Quality criterion - Name: Ability to meet delivery timescales / Weighting: 10

Quality criterion - Name: Support and warranty / Weighting: 20

Cost criterion - Name: Total cost / Weighting: 20

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:
yes

Identification of the project: EPSRC

II.2.14. Additional information

II.2. Description

II.2.1. Title

A High-resolution, High-speed X-ray Computed Tomography Scanner
Lot No: 8

II.2.2. Additional CPV code(s)

38300000 Measuring instruments, 33111000 X-ray devices, 38582000 X-ray inspection equipment, 38400000 Instruments for checking physical characteristics, 38947000 X-ray microanalysers

II.2.3. Place of performance

NUTS code: UK United Kingdom

Main site or place of performance: University College London.

II.2.4. Description of the procurement

A High-resolution, High-speed X-ray computed tomography scanner.

II.2.5. Award criteria

Quality criterion - Name: Tender specification / Weighting: 60

Price - Weighting: 40

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:
yes

Identification of the project: EPSRC.

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure Accelerated procedure Justification:

Due to the pressing need to start our research and to fit in with funding requirements.

IV.1.3. Information about a framework agreement or a dynamic purchasing system

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.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2020/S 202-492046](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Lot No: 1

Title:

Large Volume Correlative X-Ray CT Scanner

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

12/03/2021

V.2.2. Information about tenders

Number of tenders received: 6

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

V.2.3. Name and address of the contractor

Official name: FEI UK Ltd

Town: Altrincham

NUTS code: UK United Kingdom

Country: United Kingdom

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Lowest offer: 446 317,00 GBP / Highest offer: 954 945,00 GBP taken into consideration

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: 2

Lot No: 2

Title:

Walk in Sub-micron X-Ray CT Scanner

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

12/03/2021

V.2.2. Information about tenders

Number of tenders received: 4

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

V.2.3. Name and address of the contractor

Official name: Quantum Design UK and Ireland Ltd

Town: Leatherhead

NUTS code: UK United Kingdom

Country: United Kingdom

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Lowest offer: 554 470,00 GBP / Highest offer: 1 170 000,00 GBP taken into consideration

V.2.5. Information about subcontracting**Section V: Award of contract**

Contract No: 3

Lot No: 3

Title:

Source Upgrade for Zeiss Versa 520

A contract/lot is awarded: yes

V.2. Award of contract**V.2.1. Date of conclusion of the contract**

05/03/2021

V.2.2. Information about tenders

Number of tenders received: 1

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

V.2.3. Name and address of the contractor

Official name: Carl Zeiss Ltd

Town: Cambourne

NUTS code: UK United Kingdom

Country: United Kingdom

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 300 000,00 GBP

V.2.5. Information about subcontracting**Section V: Award of contract**

Contract No: 4

Lot No: 4

Title:

A Metrology Grade X-ray Computed Tomography Scanner for the UK National Research Facility

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

12/03/2021

V.2.2. Information about tenders

Number of tenders received: 6

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

V.2.3. Name and address of the contractor

Official name: Carl Zeiss Ltd

Postal address: 1030 Cambourne Business Park

Town: Cambridge

NUTS code: UK United Kingdom

Postal code: CB23 6DW

Country: United Kingdom

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Lowest offer: 459 024,00 GBP / Highest offer: 656 020,00 GBP taken into consideration

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: 5

Lot No: 5

Title:

A Large-scale, High-resolution X-ray Scanning Capability for the UK National Research Facility AND an Enclosure for the Large-scale X-ray Computed Tomography (CT) Scanning Capability

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

16/03/2021

V.2.2. Information about tenders

Number of tenders received: 5

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

V.2.3. Name and address of the contractor

Official name: Diondo, GmbH

Postal address: Ruhrallee 14

Town: Hattingen

NUTS code: DE Deutschland

Postal code: 455255
Country: Germany
The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Lowest offer: 702 801,00 GBP / Highest offer: 1 354 639,00 GBP taken into consideration

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: 6

Lot No: 6

Title:

A Large-scale, High-resolution X-ray Scanning Capability for the UK National Research Facility

A contract/lot is awarded: no

V.1. Information on non-award

The contract/lot is not awarded

No tenders or requests to participate were received or all were rejected

Section V: Award of contract

Contract No: 7

Lot No: 7

Title:

Enclosure for the Large-scale X-ray Computed Tomography (CT) Scanning Capability

A contract/lot is awarded: no

V.1. Information on non-award

The contract/lot is not awarded

No tenders or requests to participate were received or all were rejected

Section V: Award of contract

Contract No: 8

Lot No: 8

Title:

A High-resolution, High-speed X-ray Computed Tomography Scanner

A contract/lot is awarded: no

V.1. Information on non-award

The contract/lot is not awarded

No tenders or requests to participate were received or all were rejected

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: The High Court of Justice of England

Postal address: Strand

Town: London

Postal code: WC2A 2LL

Country: United Kingdom

VI.4.4. Service from which information about the review procedure may be obtained

Official name: The University of Manchester

Town: Manchester

Postal code: M13 9PL

Country: United Kingdom

E-mail: procurement@manchester.ac.uk

Internet address: <https://in-tendhost.co.uk/universityofmanchester.aspx/Home>

VI.5. Date of dispatch of this notice

28/04/2021