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Tender

Colour Detectors

UNIVERSITY OF MANCHESTER

F02: Contract notice
Notice identifier: 2021/S 000-000510
Procurement identifier (OCID): ocds-h6vhtk-028952
Published 11 January 2021, 3:50pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF MANCHESTER

John Owens Building, Oxford Road

MANCHESTER

M13 9PL

Contact

Paul Carter

Email

paul.carter-2@manchester.ac.uk

Telephone

+44 1612752207

Country

United Kingdom

NUTS code

UKD3 - Greater Manchester

Internet address(es)

Main address

https://www.manchester.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/universityofmanchester/aspx/Home

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/universityofmanchester/aspx/Home

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

Colour Detectors

Reference number

2020-1741-CD-TB-PC

II.1.2) Main CPV code

- 38947000 - X-ray microanalysers

II.1.3) Type of contract

Supplies

II.1.4) Short description

We have funding from EPSRC to establish a new national facility for laboratory-based CT involving a number of imaging systems (www.nxct.ac.uk). One of the modalities specified in the grant application was a full colour x-ray imaging system utilising two colour sensitive X-ray array detectors. We wish to develop and apply colour/hyperspectral CT imaging methods to correlate the structure and functionality of new materials for catalysis; batteries; nuclear waste storage/processing and tissue engineering. Spectroscopic imaging offers a unique insight into the structural and chemical properties of materials across wide range of subject areas by providing non-destructive 3D maps of changing crystal structures and elemental distributions. The methods we propose to develop can be applied to crystalline or amorphous materials by reconstructing images based on scattered rather than transmitted X-rays (e.g. XRD or PDF).

II.1.5) Estimated total value

Value excluding VAT: £300,000

II.1.6) Information about lots

This contract is divided into lots: Yes

Tenders may be submitted for all lots

II.2) Description

II.2.1) Title

Lot 1 Larger Array

Lot No

1

II.2.2) Additional CPV code(s)

- 33000000 - Medical equipments, pharmaceuticals and personal care products
- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKD3 - Greater Manchester

Main site or place of performance

The University of Manchester campus

II.2.4) Description of the procurement

We have funding from EPSRC to establish a new national facility for laboratory-based CT involving a number of imaging systems (www.nxct.ac.uk). One of the modalities specified in the grant application was a full colour x-ray imaging system utilising two colour sensitive X-ray array detectors. We wish to develop and apply colour/hyperspectral CT imaging methods to correlate the structure and functionality of new materials for catalysis; batteries; nuclear waste storage/processing and tissue engineering. Spectroscopic imaging offers a unique insight into the structural and chemical properties of materials across wide range of subject areas by providing non-destructive 3D maps of changing crystal structures and elemental distributions. The methods we propose to develop can be applied to crystalline or amorphous materials by reconstructing images based on scattered rather than transmitted X-rays (e.g. XRD or PDF).

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6) Estimated value

Value excluding VAT: £300,000

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

Duration in days

90

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2) Description

II.2.1) Title

Lot 2 Smaller array

Lot No

2

II.2.2) Additional CPV code(s)

- 33000000 - Medical equipments, pharmaceuticals and personal care products
- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKD3 - Greater Manchester

Main site or place of performance

The University of Manchester campus

II.2.4) Description of the procurement

We have funding from EPSRC to establish a new national facility for laboratory-based CT

involving a number of imaging systems (www.nxct.ac.uk). One of the modalities specified in the grant application was a full colour x-ray imaging system utilising two colour sensitive X-ray array detectors. We wish to develop and apply colour/hyperspectral CT imaging methods to correlate the structure and functionality of new materials for catalysis; batteries; nuclear waste storage/processing and tissue engineering. Spectroscopic imaging offers a unique insight into the structural and chemical properties of materials across wide range of subject areas by providing non-destructive 3D maps of changing crystal structures and elemental distributions. The methods we propose to develop can be applied to crystalline or amorphous materials by reconstructing images based on scattered rather than transmitted X-rays (e.g. XRD or PDF).

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Duration in days

90

This contract is subject to renewal

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II.2.10) Information about variants

Variants will be accepted: No

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: Yes

IV.2) Administrative information

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

Date

12 February 2021

Local time

12:00pm

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

12 February 2021

Local time

12:05pm

Place

The University of Manchester

Information about authorised persons and opening procedure

The University of Manchester staff only

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

The High Court of Justice of England

Strand

London

WC2A 2LL

Country

United Kingdom