This is a published notice on the Find a Tender service: <a href="https://www.find-tender.service.gov.uk/Notice/000510-2021">https://www.find-tender.service.gov.uk/Notice/000510-2021</a>

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 (<a href="www.nxct.ac.uk">www.nxct.ac.uk</a>). 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 (<a href="www.nxct.ac.uk">www.nxct.ac.uk</a>). 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 (<a href="www.nxct.ac.uk">www.nxct.ac.uk</a>). 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

## Section IV. Procedure

## **IV.1) Description**

## IV.1.1) Type of procedure

$\bigcirc$	nen	procedure
$\sim$	PCII	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**