Contract

X-ray photoemission spectroscopy (XPS) system and Ultra-high vacuum system

University of Bristol

F03: Contract award notice
Notice identifier: 2022/S 000-015875
Procurement identifier (OCID): ocds-h6vhtk-031b80
Published 9 June 2022, 1:05pm

Section I: Contracting authority

I.1) Name and addresses

University of Bristol

4th Floor, Augustine's Courtyard, Orchard Lane

Bristol

BS1 5DS

Email

yi19222@bristol.ac.uk

Telephone

+44 01179289000

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

http://www.bristol.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

X-ray photoemission spectroscopy (XPS) system and Ultra-high vacuum system

Reference number

Lab-2111-043-PC_2110

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

One contract has been awarded to cover two competed lots as the same supplier was successful on both.

The requirement is comprised of two pieces of equipment (1) a state-of-the-art x-ray photoemission spectroscopy (XPS) system with a particular focus on high lateral resolution and depth profiling; (2) an in-vacuum (UHV) transfer system between the new

XPS and existing deposition facility, ideally with a small laboratory footprint.

Bristol has an international reputation in fabrication and characterisation of actinide thin films (for studies based on the behaviour of current and advanced nuclear fuels). The FaRMS project will upgrade our growth and characterisation facilities to allow in-situ transfer of newly grown samples to the XPS system. This will be enabled by the UHV transfer system connecting both the sputtering chamber and the XPS system, as well as allowing the sputtering system and XPS system to work independently. Our long-term vision is that this instrument will enable thin layers (from a few nanometres to micron-scale films) of nuclear fuel materials to be fabricated and characterised with a range of techniques within FaRMS and the larger IAC infrastructure.

FaRMS is a member of the National Nuclear User Facility, which aims to provide a service to the nuclear research sector – academic and industrial, with access funded up until March 2023, building a user-base to be financially sustainable thereafter.

II.1.6) Information about lots

This contract is divided into lots: Yes

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

Value excluding VAT: £553,006.75

II.2) Description

II.2.1) Title

X-ray photoemission spectroscopy (XPS)

Lot No

1 - X-ray photoemission spectroscopy (XPS)

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The requirement is comprised of two pieces of equipment (1) a state-of-the-art x-ray photoemission spectroscopy (XPS) system with a particular focus on high lateral resolution and depth profiling; (2) an in-vacuum (UHV) transfer system between the new XPS and existing deposition facility, ideally with a small laboratory footprint.

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II.2.5) Award criteria

Quality criterion - Name: Technical / Weighting: 65

Cost criterion - Name: Commercial / Weighting: 35

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: No

II.2) Description

II.2.1) Title

Ultra-High Vaccuum (UHV) Transfer System

Lot No

2 - Ultra-High Vaccuum (UHV) Transfer System

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The requirement is comprised of two pieces of equipment (1) a state-of-the-art x-ray photoemission spectroscopy (XPS) system with a particular focus on high lateral resolution and depth profiling; (2) an in-vacuum (UHV) transfer system between the new XPS and existing deposition facility, ideally with a small laboratory footprint.

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Cost criterion - Name: Commercial / Weighting: 35

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: 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.2.1) Previous publication concerning this procedure

Notice number: 2022/S 000-005348

Section V. Award of contract

Contract No

Lab-2111-043-PC_2110

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

31 May 2022

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

Scanwel

Gwynedd

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

Yes

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

Total value of the contract/lot: £553,006.75

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

The University of Bristol

Bristol

Country

United Kingdom