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Award

X-ray Photoelectron Spectroscopy (XPS) System

National Physical Laboratory

F15: Voluntary ex ante transparency notice

Notice identifier: 2021/S 000-026710

Procurement identifier (OCID): ocds-h6vhtk-02efc3

Published 25 October 2021, 10:45pm

Section I: Contracting authority/entity

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Email

charley.choules@npl.co.uk

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

www.npl.co.uk

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Research

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

X-ray Photoelectron Spectroscopy (XPS) System

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

XPS instrument with monochromated Al Ka and a monochromated higher energy (photon energy >2.5 keV) X-ray source with coincident sample illumination areas. Instrument must be capable of using an existing argon cluster ion source (Kratos minibeam 6), and capable of using an existing analytical SEM/SAM electron source, and automatic transfer and analysis of three or more sample holders in vacuum.

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: £540,000

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

Main site or place of performance

NPL Management Ltd

Hampton Road

Teddington

TW11 0LW

II.2.4) Description of the procurement

A high-performance electron spectrometer system combining state of the art multi-Xray-source XPS functionality. Ability to automatically park, load and analyse multiple sample holders in vacuum. Motorised, data-system-integrated control of 5-axis sample manipulator allowing automated angle-resolved spectroscopy and rotation during etching. Multi-technique capability including Auger electron spectroscopy (AES), scanning Auger microscopy (SAM), ultraviolet photoelectron spectroscopy (UPS) and ion scattering spectroscopy (ISS) on a bakeable ultra-high-vacuum chamber. Data system for full system control and automated data acquisition.

II.2.5) Award criteria

Cost criterion - Name: - / Weighting: -

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

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

Only one XPS instrument manufacturer, Kratos Ltd, is capable of providing an instrument with these key requirements essential to NPL:

- 1) Automatic transfer and analysis of three or more sample holders.
- 2) Spatially coincident Al Ka and a higher energy source (photon energy >2.5 keV) with automated motorised change-over between sources.
- 3) Incorporation of an existing NPL capital item, an argon cluster ion source, of the value of £150,000 and has remaining lifetime of 10 years.
- 4) Incorporation of an existing NPL capital item, an analytical electron source, of the value of £100,000 and also has at least 10 years life left.

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No

Section V. Award of contract/concession

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

25 October 2021

V.2.2) Information about tenders

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

V.2.3) Name and address of the contractor/concessionaire

Kratos Analytical

Trafford Wharf Rd, Trafford Park, Stretford

Manchester

M17 1GP

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

Yes

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

Total value of the contract/lot/concession: £540,000

V.2.5) Information about subcontracting

The contract/lot/concession is likely to be subcontracted

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

NPL Management Ltd

Hampton Road

Teddington

TW11 0LW

Country

United Kingdom

VI.4.2) Body responsible for mediation procedures

NPL Management Ltd

Hampton Road

Teddington

TW11 0LW

Country

United Kingdom