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Contract

8041768 - Supply of an X-ray Diffractometer

Diamond Light Source Ltd

F03: Contract award notice
Notice identifier: 2024/S 000-025934
Procurement identifier (OCID): ocds-h6vhtk-046de8
Published 15 August 2024, 11:21am

Section I: Contracting authority

I.1) Name and addresses

Diamond Light Source Ltd

Harwell Science and Innovation Campus

Didcot

OX11 0ED

Contact

Debbie Pryor

Email

procurement@diamond.ac.uk

Telephone

+44 1235567575

Country

United Kingdom

Region code

UKJ14 - Oxfordshire

Companies House

4375679

Internet address(es)

Main address

https://www.diamond.ac.uk

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Scientific Research

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

8041768 - Supply of an X-ray Diffractometer

Reference number

8041768

II.1.2) Main CPV code

- 33111000 - X-ray devices

II.1.3) Type of contract

Supplies

II.1.4) Short description

Located on the Harwell Science and Innovation Campus in Oxfordshire, Diamond is a leadingedge facility for science, engineering and innovation. It is the largest science facility to be

built in the UK for 40 years and produces ultra-violet, infra-red and X-ray beams of exceptional brightness.

The scope is to deliver, install and commission a versatile x-ray system based on an x-ray source, optics, diffractometer and detector. The system will be located at a permanent fixed

position on the floor of the Optics Fabrication Building Lab. 5.

The instrument will be mainly dedicated for reflectivity measurements to characterise testing of multilayer optical elements for the Multilayer Deposition System. The optical

elements to be tested are mirrors, thin films and multilayers. These will be either free standing or mounted on holders. Therefore, a large range of sample weights and sizes should

be possible to be installed on the diffractometer. It is envisaged that the instrument will be used for measuring high resolution reflectivity. Mirror and multilayer measurements will be done at grazing incidence angle. The diffractometer will have to accommodate samples

weighing up to 1 kg with dimensions up to 100mm (Length)×50mm (Width)×50 mm (Height)., appropriate stage motion to perform measurements at different positions on (to map) the sample.

It is expected that the versatile x-ray diffractometer will be based on: a high intensity x-ray tube with a copper target; interchangeable, high energy and angle resolution x-ray optical

modules for pre- and post-processing the x-ray beam; 4 circle diffractometer with sample stage allowing X, Y, Z translations, sample rotation and tilt adjustment perpendicular to the

incident beam. The optics modules will be chosen according to required beam intensity, collimation, resolution and size.

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: £208,217

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

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II.2.5) Award criteria

Quality criterion - Name: Technical Quality / Weighting: 20

Quality criterion - Name: Experience & Capacity / Weighting: 25

Quality criterion - Name: Delivery / Weighting: 5

Quality criterion - Name: Commercial / Weighting: 5

Quality criterion - Name: DLS Support Effort / Weighting: 5

Price - Weighting: 40

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.2.1) Previous publication concerning this procedure

Notice number: 2024/S 000-017572

Section V. Award of contract

Contract No

8041768

Title

Supply of a an X-ray Diffractometer

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

12 August 2024

V.2.2) Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 2

Number of tenders received by electronic means: 3

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

V.2.3) Name and address of the contractor

Bruker UK Limited

Coventry

CV4 8HZ

Country

United Kingdom

NUTS code

- UKG33 - Coventry

Companies House

923986

The contractor is an SME

Yes

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

Total value of the contract/lot: £208,217

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Diamond Light Source

Harwell Science and Innovation Campus

Didcot

OX11 0ED

Country

United Kingdom