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Tender

## **DLSITT1064 - I17 CSXID Beamline - M1, M3 and M5 Mirror Optics for Diamond Light Source**

DIAMOND LIGHT SOURCE LIMITED

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-029144

Procurement identifier (OCID): ocds-h6vhtk-052aa1 ([view related notices](#))

Published 2 June 2025, 1:24pm

### **Scope**

### **Reference**

DLSITT1064

### **Description**

Located on the Harwell Science and Innovation Campus in Oxfordshire, Diamond Light Source (DLS) is a leading-edge facility for science, engineering and innovation. Diamond

allows researchers from academia and industry to investigate the structure and behaviour of the world around us at the atomic and molecular level.

To continue delivering the world changing science that Diamond enables, the facility is being upgraded to Diamond-II, a coordinated programme of development that combines a major machine upgrade with new instruments and complementary improvements to optics, detectors, sample environment and delivery capabilities, and computing, as well as integrated and correlative methods. This will be transformative in speed and spatial resolution and will offer users streamlined access to enhanced instruments for life and

physical sciences.

The scope of this contract is for the Design, supply of materials, manufacture, test, and delivery of two sets of three mirror optics for the I17-CSXID (Coherent Scattering and X-ray Imaging Diffraction) beamline.

a) Three polished mirror optics (M1a, M3a, M5a) with Ni coatings.

b) Three polished mirror optics (M1b, M3b, M5b) with Pt coatings.

The optics should be clean and ready for immediate installation and use in ultra-high vacuum (UHV) conditions on the beamline.

The tender specification is for the three mirrors M1, M3 and M5 as listed below. Two sets of these mirrors will be required with different coatings:

- The M1 optic is a vertically-collimating optic with a sagittal cylindrical shape that deflects the beam outboard
- The M3 optic is a vertically-focussing optic with a sagittal cylindrical shape that deflects the beam outboard
- The M5 optic is a vertically-focussing optic with a sagittal cylindrical shape that deflects the beam inboard

To achieve the required flux at the sample position, the I17 Mirror Systems will require the ability to switch between optics with either a Ni or Pt coating. The sagittal cylindrical shape means that two set of optics will be required, with one coating on each optic.

### **Total value (estimated)**

- £400,000 excluding VAT
- £480,000 including VAT

Above the relevant threshold

### **Contract dates (estimated)**

- 29 July 2025 to 8 June 2026
- 10 months, 11 days

### **Main procurement category**

Goods

### **CPV classifications**

- 38622000 - Mirrors

### **Contract locations**

- UKJ14 - Oxfordshire

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## **Participation**

### **Particular suitability**

Small and medium-sized enterprises (SME)

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## **Submission**

### **Tender submission deadline**

2 July 2025, 12:00pm

### **Submission address and any special instructions**

Please email tender submission to:

[https://www.diamondtenders@diamond.ac.uk](mailto:https://www.diamondtenders@diamond.ac.uk)

and send as hard copy to:

Diamond Procurement

Diamond House

Diamond Light Source Ltd

Harwell Science and Innovation Campus

Didcot

Oxon

OX11 0DE

UK

### **Tenders may be submitted electronically**

Yes

### **Languages that may be used for submission**

English

### **Award decision date (estimated)**

14 July 2025

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## Award criteria

Name	Type	Weighting
Price	Price	40%
Technical Quality	Quality	25%
Experience and Capacity	Quality	25%
Commercial	Quality	5%
Delivery	Quality	5%

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## Other information

### Applicable trade agreements

- Government Procurement Agreement (GPA)

### Conflicts assessment prepared/revised

Yes

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## Procedure

### Procedure type

Open procedure

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## Documents

### Technical specifications to be met

<https://www.diamondtenders@diamond.ac.uk/Home.aspx>

Visit our web page:

<https://www.diamondtenders@diamond.ac.uk/Home.aspx>

Here Suppliers are required to complete a one-off simple registration form. You are then able to login to register your interest against the tender and download the tender documents.

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## Contracting authority

### DIAMOND LIGHT SOURCE LIMITED

- Companies House: 04375679
- Public Procurement Organisation Number: PNGG-3778-PWBM

Diamond House

Didcot

OX11 0DE

United Kingdom

Email: [procurement@diamond.ac.uk](mailto:procurement@diamond.ac.uk)

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government