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Contract

9002215 - Supply of I17 CSXID M1, M3 and M5 Mirror Optics

DIAMOND LIGHT SOURCE LIMITED

UK7: Contract details notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-048736

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

Published 14 August 2025, 12:55pm

Scope

Reference

9002215

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.

Contract 1. 9002215 - I17 CSXID Beamline - M1, M3 and M5 Mirror Optics

Supplier

- Carl Zeiss SMT GmbH

Contract value

- 324200.00 EUR excluding VAT
- 389040.00 EUR including VAT

Above the relevant threshold

Date signed

13 August 2025

Contract dates

- 13 August 2025 to 13 May 2026
- 9 months, 1 day

Main procurement category

Goods

CPV classifications

- 38622000 - Mirrors

Contract locations

- UKJ14 - Oxfordshire

Justification for not setting key performance indicators

Contract value is below £5 million.

Other information

Applicable trade agreements

- Government Procurement Agreement (GPA)

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Supplier

Carl Zeiss SMT GmbH

- Companies House: HR725667
- Public Procurement Organisation Number: PRWG-4893-MGZX

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73447

Germany

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Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Supported employment provider: No

Public service mutual: No

Contract 1. 9002215 - I17 CSXID Beamline - M1, M3 and M5 Mirror Optics

Contracting authority

DIAMOND LIGHT SOURCE LIMITED

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

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Didcot

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United Kingdom

Email: procurement@diamond.ac.uk

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government