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Tender

DLSITT1068 - Supply of Front End I17 for Diamond-II

DIAMOND LIGHT SOURCE LIMITED

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

Notice identifier: 2025/S 000-043976

Procurement identifier (OCID): ocds-h6vhtk-056857

Published 29 July 2025, 4:04pm

Scope

Reference

DLSITT1068

Description

Located on the Harwell Science & Innovation Campus in Oxfordshire, Diamond Light Source (DLS) is a leading-edge facility for science, engineering and innovation. DLS 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 co-ordinated 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 the contract is to design, manufacture, supply, test and deliver one Front

end for the I17 beamline in Diamond-II.

The term 'Front End' refers to the section of the synchrotron that runs between the storage ring and the shield wall. The front end conditions the beam in preparation for use on the beamline.

The Front End will be located in a restricted area so it must be capable of continuous operation over long periods without maintenance. The support frames must be rigid construction and constructed so that they minimise the effects of ground vibrations. The support frames must be supported from the floor with 3 manually adjustable feet to allow them to be accurately surveyed into position.

The Front End will be procured as a single turnkey unit, subject to the performance specification. The system comprises:

1. One complete Front End
2. All cabling, cable management features & connections to
junction boxes & bulkheads located on the Front Ends
3. One lifting frame
4. Bake out equipment
5. Sufficient spare parts to guarantee system operation with
minimum down-time for a period of at least two years from the
date of final acceptance.

Total value (estimated)

- £450,000 excluding VAT
- £540,000 including VAT

Above the relevant threshold

Contract dates (estimated)

- 1 October 2025 to 4 May 2027
- 1 year, 7 months, 4 days

Main procurement category

Goods

CPV classifications

- 42990000 - Miscellaneous special-purpose machinery

Contract locations

- UKJ14 - Oxfordshire

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Submission

Tender submission deadline

1 September 2025, 12:00pm

Submission address and any special instructions

Please email tender submission to:

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

and send a hard copy to:

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)

23 September 2025

Award criteria

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

Other information

Applicable trade agreements

- Government Procurement Agreement (GPA)

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Documents

Technical specifications to be met

<https://tenders.diamond.ac.uk>

Visit our web page:

tenders.diamond.ac.uk

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

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

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government