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**United Kingdom-Didcot: X-ray devices
2017/S 102-203895**

Contract notice

Supplies

Directive 2014/24/EU

Section I: Contracting authority

I.1) Name and addresses

Diamond Light Source Ltd
Diamond House, Harwell Science and Innovation Campus
Didcot
OX11 0DE
United Kingdom
Contact person: DLS Procurement (NUTS: UKJ14 Oxfordshire)
Telephone: +44 1235778167
E-mail: procurement@diamond.ac.uk
Fax: +44 1235778212
NUTS code: UKJ14

Internet address(es):

Main address: <http://www.diamond.ac.uk>

I.2) Joint procurement

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://tenders.diamond.ac.uk/Home.aspx>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://tenders.diamond.ac.uk/Home.aspx>

Tenders or requests to participate must be submitted to the abovementioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity: scientific research facility

Section II: Object

II.1) Scope of the procurement

II.1.1) Title:

2 Horizontally Deflecting Double Crystal Monochromators for Beamline K11 DIAD (DLSITT0394).
Reference number: DLSITT0394

II.1.2) Main CPV code

33111000

II.1.3) Type of contract

Supplies

II.1.4) **Short description:**

This tender is for the the design, manufacture, supply and installation of 2 identical, horizontally deflecting, Double Crystal Monochromators (DCM) for use at DLS.

It should be noted that these monochromators deviate from the standard fixed exit Monos in that the exit beam offset varies with energy.

Each monochromator system should include liquid Nitrogen cryogenic cooling and 1 crystal set. All motors, encoders and limits should be included.

The tender document gives detailed technical specifications for the DCM system, guided by the properties of the source and assessment of available technology.

II.1.5) **Estimated total value**

II.1.6) **Information about lots**

This contract is divided into lots: no

II.2) **Description**

II.2.1) **Title:**

II.2.2) **Additional CPV code(s)**

II.2.3) **Place of performance**

NUTS code: UKJ14

Main site or place of performance:

Diamond Light Source Ltd.

II.2.4) **Description of the procurement:**

2 Horizontally Deflecting Double Crystal Monochromators (DCM) are to be provided. Each individual Double Crystal Monochromator (DCM) will be procured as a complete system, subject to the performance specification. Each system comprises:

1. 2 crystals and a strain-free mount for each crystal.
2. All necessary motors, encoders, limit switches together with local cables and connectors. Also any unusual or specialised motor drives/controllers (e.g. piezo) which must be co-located with the field equipment. (All other standard stepper-type controls and cables will be provided by DLS.)
3. Each DCM will have its own vacuum vessel and connections.
4. Support structure. Each DCM will have its own.
5. Interface to beam-line services.
6. Temperature Sensors, Flow Sensor and Diagnostic design specification.
7. Sufficient spare parts with long delivery times to guarantee operation of the system with minimum down-time for a period of at least 2 years from the date of final acceptance.
8. Training for DLS personnel in the operation of the DCM.
9. A cryogenic cooling system using liquid nitrogen. The Supplier is at liberty to choose whether or not to offer a cryo-cooling unit along with each DCM.
10. Training for DLS personnel in the operation of the cryo-cooler unit if supplied.

The DCMs are to be supplied ultra-high vacuum cleaned and conditioned and in a state ready for immediate installation on to the Beam-line. They are to be shipped as described in Section 8 of the Technical Specification.

II.2.5) **Award criteria**

Criteria below

Quality criterion - Name: Technical quality / Weighting: 25

Quality criterion - Name: Experience (including experience of collaboration with similar organisations to develop the design). Examples should be included / Weighting: 25

Quality criterion - Name: Commercial / Weighting: 5

Quality criterion - Name: Delivery and capacity / Weighting: 5

Price - Weighting: 40

II.2.6) Estimated value

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months: 15

This contract is subject to renewal: no

II.2.10) Information about variants

Variants will be accepted: yes

II.2.11) Information about options

Options: yes

Description of options:

The DCM s must have a complete cryogenic cooling system and cryo-cooling unit. However, the Supplier may quote the cryo-cooling unit and distribution circuit as an option. If the Supplier chooses to do so, the cryo-cooling unit should be quoted as a separate item in the bid. The 2 cryo-cooling units may be sourced from a third party. If the Supplier chooses not to do so, each DCM must still be manufactured with all components (coolant pipes, connections etc.,) necessary for cryo-cooling the crystals once a separately procured cryo-cooling unit is connected.

II.2.12) Information about electronic catalogues

II.2.13) Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds: no

II.2.14) Additional information

Section III: Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

III.1.2) Economic and financial standing

III.1.3) Technical and professional ability

III.1.5) Information about reserved contracts

III.2) Conditions related to the contract

III.2.2) Contract performance conditions:

III.2.3) Information about staff responsible for the performance of the contract

Section IV: Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

IV.1.3) Information about a framework agreement or a dynamic purchasing system

IV.1.4) Information about reduction of the number of solutions or tenders during negotiation or dialogue

IV.1.6) Information about electronic auction

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 in the OJ S: [2017/S 065-123039](#)

IV.2.2) Time limit for receipt of tenders or requests to participate

Date: 27/06/2017

Local time: 00:00

IV.2.3) Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.2.4) Languages in which tenders or requests to participate may be submitted:

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date: 28/06/2017

Local time: 00:00

Place:

Diamond Light Source Ltd.

Information about authorised persons and opening procedure:

Members of the DLS Procurement Team.

Section VI: Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: no

VI.2) Information about electronic workflows

VI.3) Additional information:

If you are interested in this tender opportunity please create an account via the website link below:

<http://www.diamond.ac.uk/Home/Procurement/>

You will then be issued with a password to enable you to download the tender documents. In order to be considered, your response should arrive no later than midnight on Tuesday 27.6.2017.

VI.4) Procedures for review

VI.4.1) Review body

Diamond Light Source Ltd

Didcot

United Kingdom

VI.4.2) Body responsible for mediation procedures

VI.4.3) Review procedure

VI.4.4) Service from which information about the review procedure may be obtained

VI.5) Date of dispatch of this notice:

25/05/2017