Contract

Diamond-II Booster Girder Asssemblies

Diamond Light Source Ltd

F03: Contract award notice
Notice identifier: 2024/S 000-023922
Procurement identifier (OCID): ocds-h6vhtk-0452b5
Published 31 July 2024, 11:23am

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

Diamond-II Booster Girder Asssemblies

Reference number

9000606

II.1.2) Main CPV code

- 31730000 - Electrotechnical equipment

II.1.3) Type of contract

Supplies

II.1.4) Short 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 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 this contract is to carry out detailed design, manufacture, quality control, magnetic measurements and delivery to Diamond of a series of ready-to-install "girder assemblies" for the booster synchrotron upgrade part of the Diamond-II project.

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: 6,692,600 EUR

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

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 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 this contract is to carry out detailed design, manufacture, quality control, magnetic measurements and delivery to Diamond of a series of ready-to-install "girder

assemblies" for the booster synchrotron upgrade part of the Diamond-II project.

A total of 50 girder assemblies are required of various types containing different combinations of dipole, quadrupole, sextupole and corrector magnets. The girder assemblies will include the UHV vacuum vessel assembly running through the magnet gaps, including Beam Position Monitors (BPM), bellows, flanges and all necessary vacuum pumps and instrumentation, as well as their support pedestals, adjustment system and baseplates.

The booster will operate at 5 Hz repetition frequency and hence all magnets must be of a laminated construction. The girder assemblies must be designed and constructed so as to be able to be fitted together to form sections of the Diamond Booster synchrotron. The vacuum assemblies must be baked-out before integration in the magnets without venting

and supplied under

vacuum. The magnets and vacuum components are to be mounted and accurately aligned on the girders, complete with all service and interlock connections to suitable manifolds and

electrical termination boards, by the Supplier, ready for installation. The Supplier will carry out full mechanical, electrical and magnetic testing of the individual magnetic elements,

vacuum tests to ensure UHV compatibility, as well as other tests of components and complete assemblies.

II.2.5) Award criteria

Quality criterion - Name: Technical Quality / Weighting: 30

Quality criterion - Name: Previous Experience / Weighting: 15

Quality criterion - Name: Delivery / Weighting: 10

Quality criterion - Name: Commercial / 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 000-012371

Section V. Award of contract

Contract No

9000606

Title

Diamond-II Booster Girder Assemblies

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

15 July 2024

V.2.2) Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 3

Number of tenders received by electronic means: 2

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

V.2.3) Name and address of the contractor

Danfysik A/S

Taastrup

DK-2630

Country

Denmark

NUTS code

- DK - Denmark

Denmark

DK31934826

The contractor is an SME

Yes

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

Total value of the contract/lot: 6,692,600 EUR

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Diamond Light Source

Didcot

OX11 0DE

Country

United Kingdom