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Tender

Supply of OMRON NX Series PLC Equipment for System control, interlocking and automation for Diamond II Project

Diamond Light Source Ltd

F02: Contract notice

Notice identifier: 2023/S 000-028740

Procurement identifier (OCID): ocds-h6vhtk-040681

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Section I: Contracting authority

I.1) Name and addresses

Diamond Light Source Ltd

Harwell Science and Innovation Campus

Didcot

OX11 0DE

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.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

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

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted to the above-mentioned address

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

Supply of OMRON NX Series PLC Equipment for System control, interlocking and automation for Diamond II Project

Reference number

DLSITT1003

II.1.2) Main CPV code

- 31720000 - Electromechanical 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. DLS allows researchers from academia and industry to investigate the structure and behaviour of the world around us at the atomic and molecular level.

The facility is about to undergo a major upgrade to its main accelerator system which requires the upgrade of its associated control hardware, this tender is prepared with the intention of procuring the supply of PLC hardware to be used in this upcoming upgrade and for a framework for supply of PLC hardware for other projects following the upgrade of the Diamond facility.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

The contract is for the supply of Omron NX series PLC equipment to be integrated into all areas of the control system alongside our existing installed Omron PLC equipment. Diamond currently has a large installed base of PLC systems managing Vacuum protection, Interlocking and Automation across all disciplines. Diamond has invested large amounts of time & effort into delivering the infrastructure to support this platform. Device drivers for the EPICS platform as the top-level SCADA, revision control system for back up and version control, 'Best Practice' and 'Code Creation' guidance documentation for third party vendors of turn-key equipment to follow have all been set up to ensure consistency. DLS also has a large amount of pre-configured templated programming structures for all commonly used devices found on Diamond to ensure quick and simple configuration & deployment.

The Omron Programming software is commonly understood and integrates well with our chosen drawing office package for the generation of EPICS identification & Global variables in the form of publishable TAGS. It also uses a single software platform for all PLC, HMI, Vision & Networking equipment which makes firmware & software upgrades and patching simple.

II.2.5) Award criteria

Price

II.2.6) Estimated value

Value excluding VAT: £0.01

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

Duration in months

72

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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

Date

30 October 2023

Local time

12:00pm

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

30 October 2023

Local time

1:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

Diamond Light Source

Harwell Science and Innovation Campus

Didcot

OX11 0DE

Country

United Kingdom