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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

Published 29 September 2023, 10:46am

### **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](mailto: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

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**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

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## **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

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## **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