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Tender

## **3-axis & 5-axis CNC Mill**

Cardiff University

F02: Contract notice

Notice identifier: 2023/S 000-017166

Procurement identifier (OCID): ocds-h6vhtk-03d6f9

Published 16 June 2023, 11:43am

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

Cardiff University

Procurement Services, McKenzie House, 30-36 Newport Road

Cardiff

CF24 0DE

#### **Email**

[JonesJ156@cardiff.ac.uk](mailto:JonesJ156@cardiff.ac.uk)

#### **Telephone**

+44 2920879255

#### **Country**

United Kingdom

#### **NUTS code**

UKL - Wales

**Internet address(es)**

Main address

<http://www.cardiff.ac.uk/business/why-work-with-us/for-suppliers>

Buyer's address

[https://www.sell2wales.gov.wales/search/Search\\_AuthProfile.aspx?ID=AA0258](https://www.sell2wales.gov.wales/search/Search_AuthProfile.aspx?ID=AA0258)

**I.2) Information about joint procurement**

The contract is awarded by a central purchasing body

**I.3) Communication**

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

<https://in-tendhost.co.uk/cardiffuniversity.aspx/Home>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://in-tendhost.co.uk/cardiffuniversity.aspx/Home>

**I.4) Type of the contracting authority**

Other type

Higher Education - Cardiff University

**I.5) Main activity**

Education

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

3-axis & 5-axis CNC Mill

Reference number

CU.1367.JJ

#### **II.1.2) Main CPV code**

- 42990000 - Miscellaneous special-purpose machinery

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

The Astronomy Instrumentation Group (AIG) in the School of Physics and Astronomy at Cardiff University has been funded to provide two Small Aperture Telescope (SAT) receivers and one Large Aperture Telescope receiver (LATR) to the SO:UK programme, including the development of detector technology and associated horn blocks and housings. Two CNC mills are to be purchased for the in-house R&D and manufacture of components for the SAT and LATR receivers:

- 3-axis CNC for the manufacture of other SO:UK associated parts, and to relieve the workload through the AIG's existing machines.
- 5-axis CNC mill for the manufacture of the complex horn blocks and detector housings.

Parts made using these new CNC mills will typically be from aluminium, copper, plastics, and steels; and will be of varying sizes and complexity. They will need to be machined to tight mechanical tolerances and will need to be of high-quality surface finishes.

#### **II.1.5) Estimated total value**

Value excluding VAT: £220,000

#### **II.1.6) Information about lots**

This contract is divided into lots: Yes

Tenders may be submitted for all lots

## **II.2) Description**

### **II.2.1) Title**

3-axis CNC Mill

Lot No

1

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

- 42990000 - Miscellaneous special-purpose machinery
- 42900000 - Miscellaneous general and special-purpose machinery
- 39230000 - Special-purpose product

### **II.2.3) Place of performance**

NUTS codes

- UKL22 - Cardiff and Vale of Glamorgan

Main site or place of performance

School of Physics and Astronomy, 5 The Parade, Cardiff, CF24 3AA

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

Above threshold open procedure with pass/ fail technical requirements and scored desirable requirements.

Two CNC mills are to be purchased for the in-house R&D and manufacture of components for the SAT and LATR receivers:

- 3-axis CNC for the manufacture of other SO:UK associated parts, and to relieve the workload through the AIG's existing machines.

Parts made using these new CNC mills will typically be from aluminium, copper, plastics, and steels; and will be of varying sizes and complexity. They will need to be machined to tight mechanical tolerances and will need to be of high-quality surface finishes.

### **II.2.5) Award criteria**

Quality criterion - Name: Desirable requirements x 16 / Weighting: 60

Price - Weighting: 40

#### **II.2.6) Estimated value**

Value excluding VAT: £75,000

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

Duration in months

19

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

#### **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) Description**

#### **II.2.1) Title**

5-axis CNC Mill

Lot No

2

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

- 39230000 - Special-purpose product

- 42900000 - Miscellaneous general and special-purpose machinery
- 42990000 - Miscellaneous special-purpose machinery

### **II.2.3) Place of performance**

NUTS codes

- UKL22 - Cardiff and Vale of Glamorgan

Main site or place of performance

School of Physics and Astronomy, 5 The Parade, Cardiff, CF24 3AA

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

Above threshold open procedure with pass/ fail technical requirements and scored desirable requirements.

Two CNC mills are to be purchased for the in-house R&D and manufacture of components for the SAT and LATR receivers:

- 5-axis CNC mill for the manufacture of the complex horn blocks and detector housings.

Parts made using these new CNC mills will typically be from aluminium, copper, plastics, and steels; and will be of varying sizes and complexity. They will need to be machined to tight mechanical tolerances and will need to be of high-quality surface finishes.

### **II.2.5) Award criteria**

Quality criterion - Name: Desirable requirements x 20 / Weighting: 60

Price - Weighting: 40

### **II.2.6) Estimated value**

Value excluding VAT: £145,000

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

Duration in months

19

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

**II.2.13) Information about European Union Funds**

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

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**Section III. Legal, economic, financial and technical information**

**III.1) Conditions for participation**

**III.1.2) Economic and financial standing**

Selection criteria as stated in the procurement documents

**III.1.3) Technical and professional ability**

Selection criteria as stated in the procurement documents

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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

17 July 2023

Local time

12:00pm

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

English

#### **IV.2.7) Conditions for opening of tenders**

Date

17 July 2023

Local time

12:30pm



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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.2) Information about electronic workflows**

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

### **VI.3) Additional information**

NOTE: To register your interest in this notice and obtain any additional information please visit the Sell2Wales Web Site at

[https://www.sell2wales.gov.wales/Search/Search\\_Switch.aspx?ID=132444](https://www.sell2wales.gov.wales/Search/Search_Switch.aspx?ID=132444).

(WA Ref:132444)

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

High Court

Royal Courts of Justice, The Strand

London

WC2A 2LL

Telephone

+44 2079477501

Country

United Kingdom