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Tender

## **Tender for the Supply and Installation of Magnetic Alignment Presses (1 Axial and 1 Transverse)**

UNIVERSITY OF BIRMINGHAM

F02: Contract notice

Notice identifier: 2022/S 000-008174

Procurement identifier (OCID): ocids-h6vhtk-032688

Published 25 March 2022, 3:09pm

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

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

UNIVERSITY OF BIRMINGHAM

Chancellors Close

BIRMINGHAM

B152TT

#### **Contact**

Susanna Ting

#### **Email**

[s.y.ting@bham.ac.uk](mailto:s.y.ting@bham.ac.uk)

#### **Country**

United Kingdom

#### **NUTS code**

UKG31 - Birmingham

**Internet address(es)**

Main address

[www.birmingham.ac.uk/index.aspx](http://www.birmingham.ac.uk/index.aspx)

**I.3) Communication**

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

[www.in-tendhost.co.uk/universityofbirmingham/](http://www.in-tendhost.co.uk/universityofbirmingham/)

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

[www.in-tendhost.co.uk/universityofbirmingham/](http://www.in-tendhost.co.uk/universityofbirmingham/)

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

Body governed by public law

**I.5) Main activity**

Education

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## **Section II: Object**

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

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

Tender for the Supply and Installation of Magnetic Alignment Presses (1 Axial and 1 Transverse)

Reference number

SC10515/22

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

- 42636000 - Presses

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

Supplies

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

The University of Birmingham invites tenders for supplying production-scale magnetic powder alignment presses (both axial and transverse modes) for research purposes in the field of permanent magnet processing. The proposed units will allow magnetic powders to be aligned and compacted in an nitrogen atmosphere before a sintering stage.

Note, due to space requirements of the system, the proposed alignment presses will be installed at Tyesley Energy Park in Birmingham.

This project is funded by the UK Research and Innovation (UKRI) Industrial Strategy Challenge Fund; Driving the Electric Revolution.

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

Value excluding VAT: £310,000

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

This contract is divided into lots: No

### **II.2) Description**

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

- 31630000 - Magnets

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

NUTS codes

- UKG31 - Birmingham

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

The University of Birmingham invites tenders for the supply of powder pressing equipment capable of consolidating fine NdFeB powder under both transverse and axial magnetic aligning fields. It is important that the powder is not exposed to air, oxygen or moisture during the loading, compaction and unloading steps. Electric presses are preferred but hydraulic ones will be considered. Automatic feeding control is preferred.

The equipment must comply with all the relevant UK law, regulations, and British Standards.

Specification

#### **i. Transverse Alignment Press**

An All-electric Transverse Magnetic Field Forming press capable of a maximum pressing force of 450 kN (~45 tons), with a filling depth of up to 120 mm and filling weight of up to 500 grams of NdFeB per pressing event. This action should produce green compacts with densities of up to 4.3 g/cm<sup>3</sup>. A magnetising field of up to 1.8 T will operate during the pressing action.

The equipment should comprise of:

- An unloading glove box, containing nitrogen gas and

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

Quality criterion - Name: Compliance to Specifications / Weighting: 55

Quality criterion - Name: After Sales and Technical back up / Weighting: 10

Quality criterion - Name: Delivery and Training / Weighting: 10

Quality criterion - Name: Sustainability and Environmental / Weighting: 5

Quality criterion - Name: Standard Supplier Questionnaire (SQ) / Weighting: 10

Price - Weighting: 10

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

End date

30 November 2022

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

26 April 2022

Local time

11:59am

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

English

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

Date

26 April 2022

Local time

12:00pm

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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**

University of Birmingham

Birmingham

B15 2TT

Email

[s.y.ting@bham.ac.uk](mailto:s.y.ting@bham.ac.uk)

Country

United Kingdom