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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): ocds-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

Country

United Kingdom

NUTS code

UKG31 - Birmingham

Internet address(es)

Main address

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/

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/

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

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/cm³. 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

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

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

Country

United Kingdom