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Tender

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade

The University Of Sheffield, AMRC

F02: Contract notice

Notice identifier: 2023/S 000-012896

Procurement identifier (OCID): ocds-h6vhtk-03c68e

Published 5 May 2023, 10:33am

Section I: Contracting authority

I.1) Name and addresses

The University Of Sheffield, AMRC

Advanced Manufacturing Research Centre

Catcliffe

S60 5TZ

Contact

Mary Leverton

Email

m.young@sheffield.ac.uk

Telephone

+44 1142226694

Country

United Kingdom

NUTS code

UKE31 - Barnsley, Doncaster and Rotherham

Internet address(es)

Main address

www.sheffield.ac.uk

Buyer's address

<https://in-tendhost.co.uk/sheffield>

I.3) Communication

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

<https://in-tendhost.co.uk/sheffield>

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

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade

Reference number

3724/AMRC/JS/23

II.1.2) Main CPV code

- 42000000 - Industrial machinery

II.1.3) Type of contract

Supplies

II.1.4) Short description

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade
The University of Sheffield wishes to invite tenders for a Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade on behalf of the Advanced Manufacturing Research Centre, at Catcliffe, South Yorkshire.

II.1.5) Estimated total value

Value excluding VAT: £250,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42000000 - Industrial machinery
- 42997300 - Industrial robots

II.2.3) Place of performance

NUTS codes

- UKE31 - Barnsley, Doncaster and Rotherham

II.2.4) Description of the procurement

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade

The University of Sheffield wishes to invite tenders for a Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade on behalf of the Advanced Manufacturing Research Centre, at Catcliffe, South Yorkshire.

Scope of Requirement

The AMRC Composite Centre (general information about the facility can be found at <https://www.amrc.co.uk/facilities/composite-centre>) has been performing research and development in filament winding since 2012, a technology which has proven very popular with both AMRC partner companies and local businesses. The original facility allowed for the winding of thermoset preregs and wet-winding at standard tensions but did not have the full capability for melting & processing of thermoplastics. The AMRC now has a requirement for an upgrade to its fibre reinforced thermoplastic tape winding capabilities, relating to pressure vessel (PV) winding in particular. The equipment will be used on projects that work with both academia and industry to deliver cutting edge research into thermoplastic composites.

Interlocked Laser Safe Enclosure

An Interlocked Laser Safe Enclosure houses the entire system so the upgraded system must fit inside the enclosure. Please see Appendix A which shows the current dimensions of the enclosure.

Upgrade

We are looking for an innovative solution which is expected to comprise the following generic elements, but other solutions will be considered:-

- ? Fibre Reinforced Thermoplastic Tape Winding Head capable of accommodating both the existing 2 kW IPG Photonics Laser and HUMM3 Heating System (albeit not at the same time).
- ? A new Robot able to handle the Fibre Reinforced Thermoplastic Tape Winding Head
- ? Spindles to mount the pressure vessel being manufactured
- ? Associated software and equipment controller(s) for the operation of the equipment and tape planning

Tender Process and Documentation:

This procurement is open procedure voluntarily conducted in accordance with the Public Contracts Regulations 2015. The ITT can be downloaded by registering and expressing your interest on the University's e-tendering system <https://in-tendhost.co.uk/Sheffield>. If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>. Completed tenders must be returned through the same e-tendering system.

Closing date for receipt of tenders: Friday 9th June 2023 at 12 noon (UK time).

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

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

Duration in months

12

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: Yes

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

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

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

9 June 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

9 June 2023

Local time

1:00pm

Place

AMRC , Catcliffe Rotherham

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: Yes

VI.2) Information about electronic workflows

Electronic ordering will be used

Electronic payment will be used

VI.4) Procedures for review

VI.4.1) Review body

High Court of Justice

London

Country

United Kingdom

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

The contracting authority will incorporate a minimum ten-day standstill period at the point information on the award of Contract is communicated to tenderers. This period allows unsuccessful tenderers to seek a further debriefing before the Contract is entered into. If an appeal regarding the award of Contract cannot be resolved, the Public Contract Regulations 2015 provides for aggrieved parties to take action in the High Court (England, Wales and Northern Ireland). Any such action should be brought promptly (generally within 30 days).