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Contract

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

The University Of Sheffield, AMRC

F03: Contract award notice

Notice identifier: 2023/S 000-036832

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

Published 14 December 2023, 3:30pm

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.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.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £238,000

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 prepregs 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/SheffieldI> 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/SheffieldCompleted> 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

Quality criterion - Name: Quality / Weighting: 60

Cost criterion - Name: Cost / Weighting: 10

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 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.2.1) Previous publication concerning this procedure

Notice number: [2023/S 000-012896](#)

Section V. Award of contract

Contract No

3724/AMRC/JS/23

Title

Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

22 November 2023

V.2.2) Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 3

Number of tenders received from tenderers from other EU Member States: 2

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 3

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Addcomposites Oy

Espoo

Country

Finland

NUTS code

- FI1B1 - Helsinki-Uusimaa

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £250,000

Total value of the contract/lot: £238,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

High Court of Justice

London

Country

United Kingdom