Tender

3243/JN - Fused Filament 3D Printer

UNIVERSITY OF SHEFFIELD

F02: Contract notice
Notice identifier: 2022/S 000-006770
Procurement identifier (OCID): ocds-h6vhtk-03210c
Published 11 March 2022, 9:04pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

Contact

James Noble

Email

james.noble@sheffield.ac.uk

Country

United Kingdom

NUTS code

UKE32 - Sheffield

Internet address(es)

Main 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 electronically via

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

3243/JN - Fused Filament 3D Printer

Reference number

3243/JN

II.1.2) Main CPV code

- 42990000 - Miscellaneous special-purpose machinery

II.1.3) Type of contract

Supplies

II.1.4) Short description

With co-funding from the European Regional Development Fund, the University of Sheffield has established a flagship national Translation Energy Research Centre (TERC) - a multi-technology, integrated platform for research, development and innovation at pilot-scale, to understand and demonstrate green energy solutions for a secure, affordable and sustainable energy system. It is one of the largest and best-equipped research and development facilities in Europe for zero-carbon energy, hydrogen, bioenergy, CCUS and combustion. The centre has a range of novel pilot scale technologies and is continuously evolving to meet industrial research requirements. Often there is a need to design and manufacture proptypes, jigs, parts and tools quickly and effectively in order to react to the needs of the research programme. Therefore, the operational team is exploring the use of 3D printing technologies to support these activities.

II.1.5) Estimated total value

Value excluding VAT: £85,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre

II.2.4) Description of the procurement

With co-funding from the European Regional Development Fund, the University of Sheffield has established a flagship national Translation Energy Research Centre (TERC) - a multi-technology, integrated platform for research, development and innovation at pilot-scale, to understand and demonstrate green energy solutions for a secure, affordable and sustainable energy system. It is one of the largest and best-equipped research and development facilities in Europe for zero-carbon energy, hydrogen, bioenergy, CCUS and combustion. Low-carbon, sustainable energy (heat/power) generation is a key priority for the UK and internationally, with significant global opportunities for technology development and commercialisation. The centre has a range of novel pilot scale technologies and is continuously evolving to meet industrial research requirements. Often there is a need to design and manufacture proptypes, jigs, parts and tools quickly and effectively in order to react to the needs of the research programme. Therefore, the operational team is exploring the use of 3D printing technologies to support these activities.

The TERC operational team has explored a range of 3D printing technologies and whilst metal based printers offer high performance, the complexity of design, print time, build restriction and multiphased manufacture process mean that this technology is not considered suitable for the required application. Furthermore, manufactured parts will need to endure reasonably high temperatures and possess reasonably high strength properties, so base level plastic printing methods are not considered adequate. Therefore, the operational team is looking to procure a composite based 3D printing system, capable of providing the desired flexibility as well as strength, accuracy and size of the application summarised in the technical specification.

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

Start date

1 August 2022

End date

2 August 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

II.2.14) Additional information

Information about European Union funds: This project is financed by the European Regional Development Fund

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

12 April 2022

Local time

12:00pm

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

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

12 April 2022

Local time

12:01pm

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.4) Procedures for review

VI.4.1) Review body

The University of Sheffield

Arts Tower

Sheffield

S10 2TN

Email

james.noble@sheffield.ac.uk

Country

United Kingdom

VI.4.4) Service from which information about the review procedure may be obtained

The University of Sheffield

Arts Tower

Sheffield

S10 2TN

Email

james.noble@sheffield.ac.uk

Country

United Kingdom