Contract

3243/JN - Fused Filament 3D Printer

UNIVERSITY OF SHEFFIELD

F03: Contract award notice
Notice identifier: 2022/S 000-018094
Procurement identifier (OCID): ocds-h6vhtk-03210c
Published 4 July 2022, 9:52am

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.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 multitechnology, 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.1.6) Information about lots

This contract is divided into lots: No

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

Value excluding VAT: £84,483

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 multitechnology, 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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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.2.1) Previous publication concerning this procedure

Notice number: 2022/S 000-006770

Section V. Award of contract

Contract No

3243/JN

Title

Fused Filament 3D Printer

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

6 June 2022

V.2.2) Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 3

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

Additive-X Ltd

College Business Park, Kearsley Road, Ripon

York

HG4 2RN

Country

United Kingdom

NUTS code

- UKE21 - York

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: £85,000

Total value of the contract/lot: £84,483

Section VI. Complementary information

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