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Contract

Hydrogen combustion test rig for industrial decarbonisation

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2022/S 000-025802

Procurement identifier (OCID): ocids-h6vhtk-031809

Published 14 September 2022, 2:15pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

Contact

David Middle

Email

dave.middle@sheffield.ac.uk

Telephone

+44 1142221560

Country

United Kingdom

Region code

UKE32 - Sheffield

Charity Commission (England and Wales)

X1089

Internet address(es)

Main address

<https://www.sheffield.ac.uk/>

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

Hydrogen combustion test rig for industrial decarbonisation

Reference number

3228/DM

II.1.2) Main CPV code

- 24111600 - Hydrogen

II.1.3) Type of contract

Supplies

II.1.4) Short description

With co-funding from the European Regional Development Fund and BEIS, the University of Sheffield is establishing a flagship national Translational Energy Research Centre (TERC) as an integrated multi-technology pilot-scale research facility for low-carbon technologies.

Proposal are requested to design and build a Hydrogen Combustion Research Facility (HCRF) - an R&D combustion test FACILITY to support fundamental and applied research on hydrogen combustion and cofiring with other fuels (primarily natural gas) in air as well as capability for oxy firing or oxygen enrichment; flame, heat transfer, and emissions characterisation; burner development; corrosion, deposition and materials research and other aspects of combustion research.

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: £1,072,554

II.2) Description

II.2.2) Additional CPV code(s)

- 73111000 - Research laboratory services
- 73300000 - Design and execution of research and development

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre at the University of Sheffield.

II.2.4) Description of the procurement

With co-funding from the European Regional Development Fund and BEIS, the University of Sheffield is establishing a flagship national Translational Energy Research Centre (TERC) as an integrated multi-technology pilot-scale research facility for low-carbon technologies.

Proposals are requested to design and build a Hydrogen Combustion Research Facility (HCRF) - an R&D combustion test FACILITY to support fundamental and applied research on hydrogen combustion and cofiring with other fuels (primarily natural gas) in air as well as capability for oxy firing or oxygen enrichment; flame, heat transfer, and emissions characterisation; burner development; corrosion, deposition and materials research and other aspects of combustion research. As far as practical and cost effective, the project is envisaged as a full

turnkey project.

The successful supplier is expected to:

1. Design, build, install and commission the test furnace and design build or otherwise supply and install

ancillary process control, monitoring and safety equipment

2. Design and implement the overall layout of the facility

3. Design and implement control, monitoring and data logging system

II.2.5) Award criteria

Quality criterion - Name: Technical / Weighting: 45

Quality criterion - Name: Lead Time / Weighting: 10

Quality criterion - Name: Project Management, Warranty and Customer Support / Weighting: 5

Price - Weighting: 40

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender 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.2.1) Previous publication concerning this procedure

Notice number: [2022/S 000-004461](#)

Section V. Award of contract

Contract No

3228/DM

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

12 August 2022

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received from SMEs: 3

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Magma Combustion Engineering Ltd.

4 Trident Business Park

Huddersfield

HD2 1UA

Country

United Kingdom

NUTS code

- UKE44 - Calderdale and Kirklees

Companies House

10990666

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: £800,000

Total value of the contract/lot: £1,072,554

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Sheffield

Western Bank

Sheffield

S10 2TN

Country

United Kingdom