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Tender

Hydrogen combustion test rig for industrial decarbonisation

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2022/S 000-004461

Procurement identifier (OCID): ocds-h6vhtk-031809

Published 16 February 2022, 7:11pm

The closing date and time has been changed to:

29 April 2022, 12:00pm

See the change notice.

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

NUTS code

UKE32 - Sheffield

Internet address(es)

Main address

https://www.shffield.ac.uk/

Buyer's address

https://in-tendhost.co.uk/sheffield/aspx/Home

I.3) Communication

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

https://in-tendhost.co.uk/sheffield/aspx/Home

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/aspx/Home

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, heat2 / 4 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.

II.1.5) Estimated total value

Value excluding VAT: £800,000

II.1.6) Information about lots

This contract is divided into lots: No

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

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.

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. 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

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

II.2.6) Estimated value

Value excluding VAT: £800,000

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

Start date

1 April 2022

End date

31 January 2023

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: Yes

Description of options

As described within the tender documents

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions

As per tender documents

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

Originally published as:

Date

18 March 2022

Local time

12:00pm

Changed to:

Date

29 April 2022

Local time

12:00pm

See the change notice.

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

English

IV.2.7) Conditions for opening of tenders

Date

18 March 2022

Local time

12:10pm

Place

The University of Sheffield, Finance Department

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

University of Sheffield

Sheffield

S10 2TN

Country

United Kingdom