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Tender

High Pressure Shock Tube

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2021/S 000-005090

Procurement identifier (OCID): ocds-h6vhtk-029b53

Published 12 March 2021, 4:14pm

The closing date and time has been changed to:

15 April 2021, 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.sheffield.ac.uk>

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>

Tenders or requests to participate must be submitted to the above-mentioned address

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

High Pressure Shock Tube

Reference number

2611/DM

II.1.2) Main CPV code

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

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Sheffield (UoS) with funding from European Regional Development Fund (ERDF) and the Department for Business Energy and Industrial Strategy (BEIS) is establishing a shock tube laboratory as part of its brand-new Translational Energy Research Centre (TERC). The intention of the shock tube is to study high-pressure chemical kinetics of combustion reactions using various diagnostic equipment.

The shock tube will be used to study high-pressure and high-temperature chemical kinetics of hydrogen and methane combustion, before moving onto syngas and larger hydrocarbons. The tube will focus on high-pressure combustion applications, such as the Allam-Fetvedt cycle, diesel engine and scram-jet combustion

II.1.5) Estimated total value

Value excluding VAT: £150,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 45350000 - Mechanical installations
- 73100000 - Research and experimental development services

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

The University of Sheffield, at a new research facility known as the Translational Energy Research Centre, which is located close to Junction 33 of the M1 motorway.

II.2.4) Description of the procurement

The shock tube will be used to study high-pressure and high-temperature chemical kinetics of hydrogen and methane combustion, before moving onto syngas and larger hydrocarbons. The shock tube will focus on high-pressure combustion applications, such as the Allam-Fetvedt cycle, diesel engine and scram-jet combustion.

The UoS Shock Tube based at TERC will be used to study high-pressure combustion and produce data which will subsequently be used to create a chemical kinetic mechanism for modelling high-pressure combustion.

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: £150,000

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

Start date

1 August 2021

End date

1 October 2021

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 the 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

12 April 2021

Local time

12:00pm

Changed to:

Date

15 April 2021

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

12 April 2021

Local time

1:00pm

Place

The University of Sheffield, Department of Finance

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

Sheffield

S10 2TN

Country

United Kingdom