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Tender

## **Green Hydrogen Production and Storage Facility**

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2022/S 000-003187

Procurement identifier (OCID): ocds-h6vhtk-03130e

Published 3 February 2022, 5:46pm

The closing date and time has been changed to:

**29 March 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](mailto: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

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Green Hydrogen Production and Storage Facility

Reference number

3210/DM

#### **II.1.2) Main CPV code**

- 09000000 - Petroleum products, fuel, electricity and other sources of energy

#### **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) is establishing a Sustainable Aviation Fuels Innovation Centre (SAF-IC) to support and promote the production and characterisation of decarbonised and sustainable aviation fuel.

To broaden and support our extensive research, development, and deployment activities at the centre, we are looking to procure a proton exchange membrane (PEM) or a solid oxide hydrogen electrolyser. The Green Hydrogen Production and Storage Facility project will enable green hydrogen to be produced on site, whilst the device will be mains powered the centre boasts considerable renewable electricity production capacity. Hence, it is intended that the consumption of the H<sub>2</sub> production facility will net off, against said production capacity, thereby resulting in credible green hydrogen production.

One of the main purposes behind this procurement is the use of the generated hydrogen to produce renewable synthetic fuels. In general, the procurement of the hydrogen electrolyser system will support our research activity in innovating systems which eliminate/mitigate CO<sub>2</sub> emissions. It will also open a number of R&D opportunities for the development, optimisation and integration of hydrogen economy and systems.

One of the main purposes behind this procurement is the use of the generated hydrogen to produce renewable

synthetic fuels.

For indicative purposes only, the budget allocated to the Green Hydrogen Production Facility is c.£1.2m while the budget allocated for the Storage Facility is c.£150,000 (both figures are excluding VAT). This explains the estimated total value figure shown below of £1,350,000.

#### **II.1.5) Estimated total value**

Value excluding VAT: £1,350,000

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.2) Additional CPV code(s)**

- 24111600 - Hydrogen
- 71314000 - Energy and related services
- 73000000 - Research and development services and related consultancy 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:

Sustainable Aviation Fuels - Innovation Centre,

Sheffield Business Park,

Europa Avenue,

Sheffield

S9 1ZA

#### **II.2.4) Description of the procurement**

The University of Sheffield (UoS) with funding from European Regional Development

Fund (ERDF) is establishing a Sustainable Aviation Fuels Innovation Centre (SAF-IC) to support and promote the production and characterisation of decarbonised and sustainable aviation fuel.

To broaden and support our extensive research, development, and deployment activities at the centre, we are looking to procure a proton exchange membrane (PEM) or a solid oxide hydrogen electrolyser. The Green Hydrogen Production and Storage Facility project will enable green hydrogen to be produced on site, whilst the device will be mains powered the centre boasts considerable renewable electricity production capacity. Hence, it is intended that the consumption of the H<sub>2</sub> production facility will net off, against said production capacity, thereby resulting in credible green hydrogen production.

One of the main purposes behind this procurement is the use of the generated hydrogen to produce renewable synthetic fuels. In general, the procurement of the hydrogen electrolyser system will support our research activity in innovating systems which eliminate/mitigate CO<sub>2</sub> emissions. It will also open a number of R&D opportunities for the development, optimisation and integration of hydrogen economy and systems.

#### **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: £1,350,000

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

Start date

1 November 2022

End date

28 February 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

### **II.2.14) Additional information**

The purchase of this equipment is part funded by the European Regional Development Fund (ERDF)

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## **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

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## **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

7 March 2022

Local time

12:00pm

Changed to:

Date

29 March 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

7 March 2022

Local time

12:05pm

Place

University of Sheffield, Finance Department

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## **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