Contract

3330/JN - Direct Air CO2 Capture (DAC) System

UNIVERSITY OF SHEFFIELD

F03: Contract award notice
Notice identifier: 2022/S 000-036549
Procurement identifier (OCID): ocds-h6vhtk-033679
Published 23 December 2022, 1:30pm

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

Region code

UKE32 - Sheffield

Companies House

RC000667

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

3330/JN - Direct Air CO2 Capture (DAC) System

Reference number

3330/JN

II.1.2) Main CPV code

- 42900000 - Miscellaneous general and special-purpose machinery

II.1.3) Type of contract

Supplies

II.1.4) Short description

With funding from the European Regional Development Fund the University of Sheffield is looking to procure a Direct Air CO2 Capture (DAC) capture system. This system

represents the next generation technology which will complement our existing research capabilities in low carbon power generation and applications in energy/CO2 intensive industries, as well as opportunities for the development of carbon capture and utilisation technologies and applications. It is envisaged that the new DAC CO2 capture system will provide a platform to aid product development and innovation, and systems integration across a wide range of research 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: £551,250

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 (TERC), Sheffield Business Park, Europa Avenue, S9 1ZA

II.2.4) Description of the procurement

With funding from the European Regional Development Fund the University of Sheffield is looking to procure a Direct Air CO2 Capture (DAC) capture system. This system represents the next generation technology which will complement our existing research capabilities in low carbon power generation and applications in energy/CO2 intensive industries, as well as opportunities for the development of carbon capture and utilisation technologies and applications. It is envisaged that the new DAC CO2 capture system will provide a platform to aid product development and innovation, and systems integration across a wide range of research activities.

At the University of Sheffield, we have set up a National Translational Energy Research Centre (TERC) focusing on bioenergy, renewable energy, carbon capture, utilisation and storage (CCUS) technologies. As part of the equipment portfolio to broaden and support

our extensive research and development activities at the centre we are looking to procure a Direct Air Capture (DAC) plant to separate CO2 from air. For full-chain CCUS demonstration, the captured CO2, along with hydrogen generated on-site from renewable resources, will be utilised in an on-site Sustainable Aviation Fuel (SAF) production plant to produce green fuel for use in turbines/engines.

II.2.5) Award criteria

Quality criterion - Name: Quality / Weighting: 75

Price - Weighting: 25

II.2.11) Information about options

Options: No

II.2.14) Additional information

This procurement is related to a project and/or programme financed by European Union funds.

Identification of the project: European Regional Development Fund (ERDF)

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 000-012252

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

24 November 2022

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 2

Number of tenders received by electronic means: 2

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

V.2.3) Name and address of the contractor

Mission Zero Technologies Ltd

46-54 High Street

Ingatestone

CM4 9DW

Country

United Kingdom

NUTS code

- UKH3 - Essex

Companies House

12701841

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: £739,000

Total value of the contract/lot: £551,250

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

The University of Sheffield

Sheffield

S10 2TN

Email

james.noble@sheffield.ac.uk

Country

United Kingdom