Contract

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

UNIVERSITY OF SHEFFIELD

F20: Modification notice
Notice identifier: 2023/S 000-019155
Procurement identifier (OCID): ocds-h6vhtk-033679
Published 5 July 2023, 1:46pm

Section I: Contracting authority/entity

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

THE 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/

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.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 at the time of conclusion of the contract:

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

Start date

6 July 2023

End date

31 August 2023

Section IV. Procedure

IV.2) Administrative information

IV.2.1) Contract award notice concerning this contract

Notice number: 2022/S 000-036549

Section V. Award of contract/concession

Contract No

3330/JN

Title

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

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract/concession award decision:

24 November 2022

V.2.2) Information about tenders

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

V.2.3) Name and address of the contractor/concessionaire

Mission Zero Technologies Ltd

46-54 High Street

Ingatestone

CM4 9DW

Country

United Kingdom

NUTS code

- UKH3 - Essex

Companies House

12701841

The contractor/concessionaire is an SME

Yes

V.2.4) Information on value of the contract/lot/concession (at the time of conclusion of the contract;excluding VAT)

Total value of the procurement: £551,250

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Sheffield

Sheffield

S10 2TN

Email

james.noble@sheffield.co.uk

Country

United Kingdom

Section VII: Modifications to the contract/concession

VII.1) Description of the procurement after the modifications

VII.1.1) Main CPV code

- 42900000 - Miscellaneous general and special-purpose machinery

VII.1.2) Additional CPV code(s)

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

VII.1.3) Place of performance

NUTS code

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre (TERC), Sheffield Business Park, Europa Avenue, S9 1ZA

VII.1.4) 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.

VII.1.5) Duration of the contract, framework agreement, dynamic purchasing system or concession

Start date

6 July 2023

End date

31 August 2023

VII.1.6) Information on value of the contract/lot/concession (excluding VAT)

Total value of the contract/lot/concession:

£607,711

VII.1.7) Name and address of the contractor/concessionaire

Mission Zero Technologies Ltd

46-54 High Street

Ingatestone

CM4 9DW

Country

United Kingdom

NUTS code

- UKH3 - Essex

Companies House

12701841

The contractor/concessionaire is an SME

Yes

VII.2) Information about modifications

VII.2.1) Description of the modifications

Nature and extent of the modifications (with indication of possible earlier changes to the contract):

Monetary modification due to design / supplier price increases.

VII.2.2) Reasons for modification

Need for additional works, services or supplies by the original contractor/concessionaire.

Description of the economic or technical reasons and the inconvenience or duplication of cost preventing a change of contractor:

The supplier's fabricator costs have increased from original prices quoted. This is due to an evolving design during construction process and component prices increases. This could not be predicted prior to the contract award.

VII.2.3) Increase in price

Updated total contract value before the modifications (taking into account possible earlier contract modifications, price adaptions and average inflation)

Value excluding VAT: £551,250

Total contract value after the modifications

Value excluding VAT: £607,711