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Contract

Power to Sustainable Fuel Pilot Plant (Fischer-Tropsch) - 4 Lots

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2023/S 000-020211

Procurement identifier (OCID): ocds-h6vhtk-0391f0

Published 14 July 2023, 9:39am

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

THE UNIVERSITY OF SHEFFIELD, WESTERN BANK

SHEFFIELD

S102TN

Contact

David Middle

Email

dave.middle@sheffield.ac.uk

Telephone

+44 1142221560

Country

United Kingdom

Region code

UKE32 - Sheffield

Charity Commission (England and Wales)

X1089

Internet address(es)

Main address

<https://www.sheffield.ac.uk/>

Buyer's address

<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

Power to Sustainable Fuel Pilot Plant (Fischer-Tropsch) - 4 Lots

Reference number

3586/DM/22

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's Translational Energy Research Centre (TERC) is one of the largest and best-equipped national R&D centres in Europe for zero-carbon energy, hydrogen, bioenergy, and Carbon Capture, Utilisation and Storage (CCUS). We are looking to procure a sustainable aviation fuel (SAF) pilot plant based on Fischer-Tropsch technology.

The SAF plant is required to produce 1.5+ L/h of sustainable aviation fuel to Jet A1 ASTM specification D1655 (with flash point of 38+ °C and a freeze point maximum of -47 °C). The plant shall utilise onsite CO₂ (minimum as an industrial gas, but preferably CO₂ captured onsite from bioenergy exhaust gases) and on-site generated green H₂ as feedstocks. It shall also have the option to use biomass syngas from an onsite wood gasifier.

II.1.6) Information about lots

This contract is divided into lots: Yes

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £1,019,216

II.2) Description

II.2.1) Title

Lot 1 (3 modules)

Lot No

1

II.2.2) Additional CPV code(s)

- 38970000 - Research, testing and scientific technical simulator
- 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

Translational Energy Research Centre at the University of Sheffield

II.2.4) Description of the procurement

The University of Sheffield's Translational Energy Research Centre (TERC) is one of the largest and best-equipped national R&D centres in Europe for zero-carbon energy, hydrogen, bioenergy, and Carbon Capture, Utilisation and Storage (CCUS). We are looking to procure a sustainable aviation fuel (SAF) pilot plant based on Fischer-Tropsch technology.

The SAF plant is required to produce 1.5+ L/h of sustainable aviation fuel to Jet A1 ASTM specification D1655 (with flash point of 38+ °C and a freeze point maximum of -47 °C). The plant shall utilise onsite CO₂ (minimum as an industrial gas, but preferably CO₂ captured onsite from bioenergy exhaust gases) and on-site generated green H₂ as feedstocks. It shall also have the option to use biomass syngas from an onsite wood gasifier.

This tender is made up of 4 distinct lots, comprising of 6 individual modules:

Lot 1

(Module) #1 Gas clean-up and conditioning module

#2 Reverse Water Gas Shift module

#3 FT mixing skid

Lot 2

#5 Hydrocracking and hydrogenation module

Lot 3

#6 Distillation module

Lot 4

#7 Site flare

II.2.5) Award criteria

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender documents

II.2) Description

II.2.1) Title

Hydrocracking and hydrogenation module

Lot No

2

II.2.2) Additional CPV code(s)

- 38970000 - Research, testing and scientific technical simulator
- 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

Translational Energy Research Centre at the University of Sheffield

II.2.4) Description of the procurement

As per section II.2.4

II.2.5) Award criteria

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender documents

II.2) Description

II.2.1) Title

Distillation module

Lot No

3

II.2.2) Additional CPV code(s)

- 38970000 - Research, testing and scientific technical simulator
- 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

Translational Energy Research Centre at the University of Sheffield

II.2.4) Description of the procurement

As per Section II 2.4

II.2.5) Award criteria

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender documents

II.2) Description

II.2.1) Title

Site Flare

Lot No

4

II.2.2) Additional CPV code(s)

- 38970000 - Research, testing and scientific technical simulator
- 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

Translational Energy Research Centre at the University of Sheffield

II.2.4) Description of the procurement

As per Section II 2.4

II.2.5) Award criteria

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender 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.2.1) Previous publication concerning this procedure

Notice number: [2022/S 000-035666](#)

Section V. Award of contract

Contract No

3586/DM/22

Lot No

1

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

1 June 2023

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 1

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

OXCCU Tech Ltd.

Oxford

OX2 9GG

Country

United Kingdom

NUTS code

- UKJ14 - Oxfordshire

Companies House

13519271

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: £935,000

Total value of the contract/lot: £1,019,216

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

The University of Sheffield

Sheffield

S10 2TN

Country

United Kingdom