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Contract

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

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2022/S 000-035488

Procurement identifier (OCID): ocds-h6vhtk-0367f6

Published 15 December 2022, 12:18pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

Contact

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Email

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+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/>

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

3495/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 2 / 8 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:

II.1.6) Information about lots

This contract is divided into lots: Yes

II.2) Description

II.2.1) Title

Lot 1 (x 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:

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 per the

II.2) Description

II.2.1) Title

Lot 2 - 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 previously stated

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: Yes

Description of options

As described within then tender documents

II.2) Description

II.2.1) Title

#6 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

II.2.4) Description of the procurement

As described previously

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: Yes

Description of options

As per the tender documents

II.2) Description

II.2.1) Title

#7 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

II.2.4) Description of the procurement

As described previously

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: Yes

Description of options

As per 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 000-025621](#)

Section V. Award of contract

Contract No

3495/DM/22

A contract/lot is awarded: No

V.1) Information on non-award

The contract/lot is not awarded

No tenders or requests to participate were received or all were rejected

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Sheffield

Sheffield

Country

United Kingdom