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Tender

3566/JN - Sustainable Aviation Fuels - Innovation Centre: Additional Aviation Characterisation Laboratory Equipment (6 Lots)

UNIVERSITY OF SHEFFIELD

F02: Contract notice
Notice identifier: 2022/S 000-036505
Procurement identifier (OCID): ocds-h6vhtk-03940e
Published 23 December 2022, 11:08am

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.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

https://in-tendhost.co.uk/sheffield/

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/

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

3566/JN - Sustainable Aviation Fuels - Innovation Centre: Additional Aviation Characterisation Laboratory Equipment (6 Lots)

Reference number

3566/JN

II.1.2) Main CPV code

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

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Sheffield (UoS) with funding from the 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. Further to our previous tenders (3073/JN and 3325/JN) we are looking to complement our research capability and procure a range of test equipment approved to various ASTM (American Society for Testing and Materials) standards as well as other internationally recognised standards where appropriate.

II.1.5) Estimated total value

Value excluding VAT: £164,500

II.1.6) Information about lots

This contract is divided into lots: Yes

Tenders may be submitted for all lots

II.2) Description

II.2.1) Title

Surface Tension in conformity with ASTM D1331

Lot No

1

II.2.2) Additional CPV code(s)

- 38400000 - Instruments for checking physical characteristics

- 38500000 - Checking and testing apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sustainable Aviation Fuels - Innovation Centre, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

II.2.4) Description of the procurement

Surface tension is a measurement of the cohesive energy present at an interface. Values for surface tension are usually given when the surface of the liquid is in contact with air. This understanding is important in two key fuel areas, including (i) the movement of gas (air) into and out of turbine fuel, and (ii) the movement of turbine fuel into airstreams by atomization.

We are looking for an automated, reliable, durable, compact, and user friendly instrument for quantification of the surface tension of jet fuel at a range of temperature, in conformity with the ASTM D1331 for Sustainable Aviation Fuel/Innovation Centre (SAF-IC) characterisation lab.

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: £40,000

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

Start date

27 April 2023

End date

28 April 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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: European Regional Development Fund (ERDF)

II.2) Description

II.2.1) Title

Electrical conductivity in conformity with ASTM D2624

Lot No

2

II.2.2) Additional CPV code(s)

- 38400000 - Instruments for checking physical characteristics
- 38500000 - Checking and testing apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sustainable Aviation Fuels - Innovation Centre, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

II.2.4) Description of the procurement

Aviation fuels, in general, are highly refined products with a very low electrical conductivity. This indicates that they have the potential to build up a very high static

electrical charge, which can lead to sparking and ignition of explosive vapours. Commonly, aviation fuels are pumped through distribution lines and filters causing the potential for an static electrical discharge. In any event, the low conductivity of aviation fuels is the fundamental property that can cause a very hazardous situation to arise when handling flowing fuels.

We are looking for a rapid and reliable test device for determining the electrical conductivity of aviation fuels, in conformity with ASTM D2624 for the Sustainable Aviation Fuel-Innovation Centre (SAF-IC) characterisation lab.

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: £2,500

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

Start date

27 April 2023

End date

28 April 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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: European Regional Development Fund (ERDF)

II.2) Description

II.2.1) Title

Thermal Conductivity in conformity with ASTM D7894

Lot No

3

II.2.2) Additional CPV code(s)

- 38400000 - Instruments for checking physical characteristics
- 38500000 - Checking and testing apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sustainable Aviation Fuels - Innovation Centre, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

II.2.4) Description of the procurement

We are looking for a rapid and reliable test device for determining the thermal conductivity of aviation fuels, in conformity with ASTM D7894 for the Sustainable Aviation Fuel-Innovation Centre (SAF-IC) characterisation lab.

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: £40,000

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

Start date

27 April 2023

End date

28 April 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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: European Regional Development Fund (ERDF)

II.2) Description

II.2.1) Title

Existent Gum in Aviation Fuel, in conformity with ASTM D381

Lot No

4

II.2.2) Additional CPV code(s)

- 38400000 - Instruments for checking physical characteristics
- 38500000 - Checking and testing apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sustainable Aviation Fuels - Innovation Centre, Sheffield Business Park, Europa Avenue,

Sheffield, S9 1ZA

II.2.4) Description of the procurement

We are looking for a rapid and reliable test device for quantification of existent gum in aviation fuels, in conformity with ASTM D381 for the Sustainable Aviation Fuel-Innovation Centre (SAF-IC) characterisation lab.

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: £12,000

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

Start date

27 April 2023

End date

28 April 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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: European Regional Development Fund (ERDF)

II.2) Description

II.2.1) Title

Quantification of speed of sound in aviation fuel

Lot No

5

II.2.2) Additional CPV code(s)

- 38400000 - Instruments for checking physical characteristics
- 38500000 - Checking and testing apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sustainable Aviation Fuels - Innovation Centre, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

II.2.4) Description of the procurement

We are looking for a rapid and reliable test device for quantification of speed of sound in aviation fuel, for the Sustainable Aviation Fuel-Innovation Centre (SAF-IC) characterisation lab. This is an in direct method to determine the Isentropic Bulk Modulus as function of temperature(ASTM D6793).

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: £30,000

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

Start date

27 April 2023

End date

28 April 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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: European Regional Development Fund (ERDF)

II.2) Description

II.2.1) Title

A Test Device for Flammability Limits of Aviation Fuels, in Conformity with ASTM E681

Lot No

6

II.2.2) Additional CPV code(s)

- 38400000 - Instruments for checking physical characteristics
- 38500000 - Checking and testing apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Sustainable Aviation Fuels - Innovation Centre, Sheffield Business Park, Europa Avenue,

Sheffield, S9 1ZA

II.2.4) Description of the procurement

We are looking for a controlled test device for determining flammability limits of aviation fuels for our Fuel/Innovation Centre (SAF-IC) characterisation lab.

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: £40,000

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

Start date

27 April 2023

End date

28 April 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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: European Regional Development Fund (ERDF)

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

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

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

Date

6 February 2023

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

6 February 2023

Local time

12:01pm

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

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United Kingdom