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Contract

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

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2023/S 000-010614

Procurement identifier (OCID): ocds-h6vhtk-03940e

Published 13 April 2023, 11:40am

Section I: Contracting authority

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/>

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.1.6) Information about lots

This contract is divided into lots: Yes

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

Value excluding VAT: £105,649

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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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 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 000-036505](#)

Section V. Award of contract

Lot No

1

Title

Surface Tension in conformity with ASTM D1331

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 V. Award of contract

Lot No

2

Title

Electrical conductivity in conformity with ASTM D2624

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 V. Award of contract

Contract No

3566/JN

Lot No

3

Title

Thermal Conductivity in conformity with ASTM D7894

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

20 March 2023

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received by electronic means: 1

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

V.2.3) Name and address of the contractor

Merrow Scientific Ltd

2a The Quadrant

Epsom

KT17 4RH

Country

United Kingdom

NUTS code

- UKJ2 - Surrey, East and West Sussex

Companies House

5012440

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: £40,000

Total value of the contract/lot: £46,800

Section V. Award of contract

Contract No

3566/JN

Lot No

4

Title

Existent Gum in Aviation Fuel, in conformity with ASTM D381

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

21 March 2023

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

Anton Paar Ltd

Unit F The Courtyard

St Albans

AL4 0LA

Country

United Kingdom

NUTS code

- UKH23 - Hertfordshire

Companies House

1606777

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: £12,000

Total value of the contract/lot: £23,384

Section V. Award of contract

Contract No

3566/JN

Lot No

5

Title

Quantification of speed of sound in aviation fuel

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

21 March 2023

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received by electronic means: 1

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

V.2.3) Name and address of the contractor

Anton Paar Ltd

Unit F The Courtyard

St Albans

AL4 0LA

Country

United Kingdom

NUTS code

- UKH23 - Hertfordshire

Companies House

1606777

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: £30,000

Total value of the contract/lot: £35,465

Section V. Award of contract

Lot No

6

Title

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

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

The University of Sheffield

Sheffield

S10 2TN

Email

james.noble@sheffield.ac.uk

Country

United Kingdom