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Tender

Exhaust and Inflame Gas Analyser (3 Lots)

UNIVERSITY OF SHEFFIELD

F02: Contract notice
Notice identifier: 2022/S 000-026128
Procurement identifier (OCID): ocds-h6vhtk-03694c
Published 16 September 2022, 9:38pm

Section I: Contracting authority

I.1) Name and addresses

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.3) Communication

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

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

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/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

Exhaust and Inflame Gas Analyser (3 Lots)

Reference number

3461/DM

II.1.2) Main CPV code

- 38434000 - Analysers

II.1.3) Type of contract

Supplies

II.1.4) Short description

To support overall fundamental and applied research activity, proposals are requested for a gas analysis system for exhaust and inflame gas composition measurements to be utilised across all combustion facilities on site as well as potentially other offsite facilities.

This requirement is divided into 3 individual Lots.

LOT 1: Focuses on standard combustion gases and inflame measurements

LOT 2: Covers additional requirements for hydrogen and methane analysis for process gas monitoring

LOT 3: Covers ultra low level (ppb) trace gas analysis of sulphur compounds in natural gas, CO2 stream or

flue gas

II.1.5) Estimated total value

Value excluding VAT: £280,000

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

Lot 1

Lot No

1

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

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

Sheffield S9 1ZA

II.2.4) Description of the procurement

To support overall fundamental and applied research activity, proposals are requested for a gas analysis system for exhaust and inflame gas composition measurements to be utilised across all combustion facilities on site as well as potentially other offsite facilities. Additional analysers

The tender is divided into separate Lots:

LOT 1: Focuses on standard combustion gases and inflame measurements (ideally

including space for

additional analyser under Lot 2 and Lot 3). The system needs to be able to measure gases according to 'Table 2.1 - LOT 1 gas analysers required'

LOT 2: Covers additional requirements for hydrogen and methane analysis for process gas monitoring (as a standalone analyser or integrated into LOT 1). With gas concentration encountered summarised in "Table 2.2. Approximate gas compositions encountered on site (typically values/upper ranges)" in the light blue boxes.

LOT 3: Covers ultra low level (ppb) trace gas analysis of sulphur compounds in natural gas, CO2 stream or flue gas, to include at the lowest range approximately 0-50ppb (as a standalone analyser or integrated into LOT 1 or LOT 2).

The purpose of this analyser is process monitoring of MCFC feed gas quality. The species of interests include SO2 (essential requirement), and it is an advantage if it can also measure other sulphur containing compounds such as: H2S, COS, CS2.

With gas concentration encountered summarised in "Table 2.2. Approximate gas compositions encountered on site (typically values/upper ranges)" in the light blue boxes.

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: £160,000

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

Start date

1 December 2022

End date

31 May 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: Yes

II.2.11) Information about options

Options: Yes

Description of options

As per the tender documants

II.2) Description

II.2.1) Title

Lot 2

Lot No

2

II.2.2) Additional CPV code(s)

- 38430000 - Detection and analysis apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

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

Sheffield S9 1ZA

II.2.4) Description of the procurement

To support overall fundamental and applied research activity, proposals are requested for a gas analysis system for exhaust and inflame gas composition measurements to be utilised

across all combustion facilities on site as well as potentially other offsite facilities. Additional analysers

The tender is divided into separate Lots:

LOT 1: Focuses on standard combustion gases and inflame measurements (ideally including space for additional analyser under Lot 2 and Lot 3). The system needs to be able to measure gases according to 'Table 2.1 - LOT 1 gas analysers required'

LOT 2: Covers additional requirements for hydrogen and methane analysis for process gas monitoring (as a standalone analyser or integrated into LOT 1). With gas concentration encountered summarised in "Table 2.2. Approximate gas compositions encountered on site (typically values/upper ranges)" in the light blue boxes.

LOT 3: Covers ultra low level (ppb) trace gas analysis of sulphur compounds in natural gas, CO2 stream or

flue gas, to include at the lowest range approximately 0-50ppb (as a standalone analyser or integrated into LOT

1 or LOT 2).

The purpose of this analyser is process monitoring of MCFC feed gas quality. The species of interests include SO2 (essential requirement), and it is an advantage if it can also measure other sulphur containing compounds such as: H2S, COS, CS2.

With gas concentration encountered summarised in "Table 2.2. Approximate gas compositions encountered on site (typically values/upper ranges)" in the light blue boxes.

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: £60,000

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

Start date

1 December 2022

End date

31 May 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: Yes

II.2.11) Information about options

Options: Yes

Description of options

As per the tender documents

II.2) Description

II.2.1) Title

Lot 3

Lot No

3

II.2.2) Additional CPV code(s)

- 38430000 - Detection and analysis apparatus

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

University of Sheffield, Sustainable Aviation Fuels - Innovation Centre, Sheffield Business

Park, Europa Avenue,

Sheffield S9 1ZA

II.2.4) Description of the procurement

To support overall fundamental and applied research activity, proposals are requested for a gas analysis system for exhaust and inflame gas composition measurements to be utilised across all combustion facilities on site as well as potentially other offsite facilities. Additional analysers

The tender is divided into separate Lots:

LOT 1: Focuses on standard combustion gases and inflame measurements (ideally including space for additional analyser under Lot 2 and Lot 3). The system needs to be able to measure gases according to 'Table 2.1 - LOT 1 gas analysers required'

LOT 2: Covers additional requirements for hydrogen and methane analysis for process gas monitoring (as a standalone analyser or integrated into LOT 1). With gas concentration encountered summarised in ''Table 2.2. Approximate gas compositions encountered on site (typically values/upper ranges)'' in the light blue boxes.

LOT 3: Covers ultra low level (ppb) trace gas analysis of sulphur compounds in natural gas, CO2 stream or flue gas, to include at the lowest range approximately 0-50ppb (as a standalone analyser or integrated into LOT 1 or LOT 2). The purpose of this analyser is process monitoring of MCFC feed gas quality. The species of interests include SO2 (essential requirement), and it is an advantage if it can also measure other sulphur containing compounds such as: H2S, COS, CS2. With gas concentration encountered summarised in ''Table 2.2. Approximate gas compositions encountered on site (typically values/upper ranges)'' in the light blue boxes.

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Price is not the only award criterion and all criteria are stated only in the procurement documents

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Value excluding VAT: £60,000

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

Start date

1 December 2022

End date

31 May 2023

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: Yes

II.2.11) Information about options

Options: Yes

Description of options

As per the tender documents

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

17 October 2022

Local time

5:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

18 October 2022

Local time

12:00pm

Place

The University of Sheffield, Finance Department

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

The University of Sheffield

Western Bank

Sheffield

S10 2TN

Country

United Kingdom