

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/000501-2023>

Contract

## **Exhaust and Inflamm Gas Analyser (3 Lots)**

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2023/S 000-000501

Procurement identifier (OCID): ocids-h6vhtk-03694c

Published 9 January 2023, 11:00am

### **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](mailto: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/>

**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 Inflammable 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

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

#### **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: £280,000

### **II.2) Description**

#### **II.2.1) Title**

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.

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, CO<sub>2</sub> 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 SO<sub>2</sub> (essential requirement), and it is an advantage if it can also measure

other sulphur containing compounds such as: H<sub>2</sub>S, COS, CS<sub>2</sub>.

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**

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**

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.

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, CO<sub>2</sub> 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 SO<sub>2</sub> (essential requirement), and it is an advantage if it can also measure

other sulphur containing compounds such as: H<sub>2</sub>S, COS, CS<sub>2</sub>.

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**

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**

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.

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, CO<sub>2</sub> 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 SO<sub>2</sub> (essential requirement), and it is an advantage if it can also measure other sulphur containing compounds such as: H<sub>2</sub>S, COS, CS<sub>2</sub>. 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**

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 000-026128](#)

---

## **Section V. Award of contract**

### **Contract No**

3461/DM

### **Lot No**

1

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

14 December 2022

#### **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**

BOHR Ltd.

Unit B, The Slope

Stone Business Park

ST15 0SD

Country

United Kingdom

NUTS code

- UKG24 - Staffordshire CC

Companies House

13560394

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: £160,000

Total value of the contract/lot: £130,396

---

## **Section VI. Complementary information**

### **VI.3) Additional information**

Lots 2 and 3 have not been awarded. Only one response was received in total & unfortunately the offer received for these 2 lots were not deemed suitable.

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

The University of Sheffield

Western Bank

Sheffield

S10 2TN

Country

United Kingdom