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Contract

## **Contractors for the provision of hydrogen end user skills and standards for heat supporting research and evidence**

The Department for Business, Energy and Industrial Strategy (BEIS)

F03: Contract award notice

Notice identifier: 2022/S 000-003474

Procurement identifier (OCID): ocids-h6vhtk-03142d

Published 7 February 2022, 6:15pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

The Department for Business, Energy and Industrial Strategy (BEIS)

1 Victoria Street

London

SW1H 0ET

#### **Email**

[nzip.hydrogen@beis.gov.uk](mailto:nzip.hydrogen@beis.gov.uk)

#### **Telephone**

+44 2072152967

#### **Country**

United Kingdom

#### **NUTS code**

UK - United Kingdom

**Internet address(es)**

Main address

<https://www.delta-esourcing.com>

**I.4) Type of the contracting authority**

Ministry or any other national or federal authority

**I.5) Main activity**

General public services

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**Section II: Object**

**II.1) Scope of the procurement**

**II.1.1) Title**

Contractors for the provision of hydrogen end user skills and standards for heat supporting research and evidence

Reference number

5147/06/2021

**II.1.2) Main CPV code**

- 73000000 - Research and development services and related consultancy services

**II.1.3) Type of contract**

Services

**II.1.4) Short description**

BEIS has appointed contractors to undertake desk based research and field work on hydrogen to support the development of standards required for the re-purposing of existing gas infrastructure downstream of the emergency control valve to be used with hydrogen. This programme will serve to support and inform future policy appraisal in Government and to inform the development of policies and measures to meet UK carbon

budgets. The work covers a range of priority research areas to support the creation of standards which will support hydrogen trials in the UK.

#### **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: £847,764

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

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

LOT 1 – RESEARCH AND EVIDENCE GATHERING FOR PIPED SYSTEMS WITH RESPECT TO HYDROGEN FOR: I) PURGING, II) TIGHTNESS AND MATERIAL COMPATABILITY

Lot No

1

#### **II.2.2) Additional CPV code(s)**

- 24111600 - Hydrogen
- 76000000 - Services related to the oil and gas industry
- 39341000 - Gas pressure equipment
- 39721410 - Gas appliances
- 38432100 - Gas-analysis apparatus

#### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

#### **II.2.4) Description of the procurement**

Research to address purging of piped gas systems to identify where additional data is required to permit the development of safe purging procedures for both domestic and non-domestic environments. Gas tightness and material compatibility of existing pipework and fittings downstream of the ECV for hydrogen gas and natural gas as a baseline.

#### **II.2.5) Award criteria**

Quality criterion - Name: Skills and Expertise / Weighting: 30

Quality criterion - Name: Methodology / Weighting: 30

Quality criterion - Name: Management of Delivery / Weighting: 15

Quality criterion - Name: Social Value / Weighting: 10

Price - Weighting: 25

#### **II.2.11) Information about options**

Options: No

#### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

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

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

Lot 2 – Research and Evidence Gathering for Material and Component Suitability – Domestic and Non-Domestic with Respect to Hydrogen

Lot No

2

#### **II.2.2) Additional CPV code(s)**

- 24111600 - Hydrogen
- 76000000 - Services related to the oil and gas industry
- 39341000 - Gas pressure equipment

- 39721410 - Gas appliances
- 38432100 - Gas-analysis apparatus

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

### **II.2.4) Description of the procurement**

The aim of this work is to determine materials which are suitable for use with hydrogen. The work will initially consist of a literature search followed by experimental testing (where the literature search concludes additional evidence is required) to quantify the relative risk of using these materials with hydrogen against the baseline of natural gas systems, including longevity.

### **II.2.5) Award criteria**

Quality criterion - Name: Skills and Expertise / Weighting: 30

Quality criterion - Name: Methodology / Weighting: 30

Quality criterion - Name: Management of Delivery / Weighting: 15

Quality criterion - Name: Social Value / Weighting: 10

Price - Weighting: 25

### **II.2.11) Information about options**

Options: No

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

## **II.2) Description**

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

## Lot 3 – Installation Ventilation and Flues

Lot No

3

### **II.2.2) Additional CPV code(s)**

- 24111600 - Hydrogen
- 76000000 - Services related to the oil and gas industry
- 39341000 - Gas pressure equipment
- 39721410 - Gas appliances
- 38432100 - Gas-analysis apparatus

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

### **II.2.4) Description of the procurement**

This work will undertake a set of scenario specific ventilation and flueing projects to address specific gaps in the evidence base. The work is not seeking to examine whole property ventilation. It is intended to provide evidence to understand the requirements of specific sub-categories of installation work such as ventilation of inter floor piping/voids and flueing requirements of specific appliances such as hydrogen gas fires.

### **II.2.5) Award criteria**

Quality criterion - Name: Skills and Expertise / Weighting: 30

Quality criterion - Name: Methodology / Weighting: 30

Quality criterion - Name: Management of Delivery / Weighting: 15

Quality criterion - Name: Social Value / Weighting: 10

Price - Weighting: 25

### **II.2.11) Information about options**

Options: No

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

## **II.2) Description**

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

Lot 4 – Pipe Sizing and Pressure Drop Criteria

Lot No

4

### **II.2.2) Additional CPV code(s)**

- 24111600 - Hydrogen
- 76000000 - Services related to the oil and gas industry
- 39341000 - Gas pressure equipment
- 39721410 - Gas appliances
- 38432100 - Gas-analysis apparatus

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

### **II.2.4) Description of the procurement**

Research to confirm an appropriate and standardised methodology to be applied to installation pipework sizing. This will ensure that such pipework has adequate capacity to

deliver the flow of hydrogen (per mass or per volume) required to deliver the same flow of energy required to hydrogen burning appliances. Sizing methodology output will take the form of ready reckoner tables in terms of power requirement.

### **II.2.5) Award criteria**

Quality criterion - Name: Skills and Expertise / Weighting: 30

Quality criterion - Name: Methodology / Weighting: 30

Quality criterion - Name: Management of Delivery / Weighting: 15

Quality criterion - Name: Social Value / Weighting: 10

Price - Weighting: 25

### **II.2.11) Information about options**

Options: No

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

## **II.2) Description**

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

Lot 5 – Research and evidence gathering for hydrogen: i) meter, internal and external, ventilation study, ii) installation and set point of excess flow valves (EFVs)

Lot No

5

### **II.2.2) Additional CPV code(s)**

- 24111600 - Hydrogen
- 76000000 - Services related to the oil and gas industry
- 39341000 - Gas pressure equipment
- 39721410 - Gas appliances



- 38432100 - Gas-analysis apparatus

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

### **II.2.4) Description of the procurement**

Research to consider representative, internal and external, meter housing, design considerations including necessary clearances, ventilation requirements for gas and the potential for humidity/water build up. Research to consider items such as the installation and calibration of EFVs to cover domestic and non-domestic supply. This will include what methodology and basis will be used to set the shutoff point for the valves during operation and purging, and understand how to check and test them.

### **II.2.5) Award criteria**

Quality criterion - Name: Skills and Expertise / Weighting: 30

Quality criterion - Name: Methodology / Weighting: 30

Quality criterion - Name: Management of Delivery / Weighting: 15

Quality criterion - Name: Social Value / Weighting: 10

Price - Weighting: 25

### **II.2.11) Information about options**

Options: No

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

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## **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: [2021/S 031-009147](#)

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

### **Lot No**

1

### **Title**

Lot 1 – Research and Evidence Gathering for Piped Systems with Respect to Hydrogen for: i) Purging, ii) Tightness and Material Compatibility

A contract/lot is awarded: Yes

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

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

11 January 2022

#### **V.2.2) Information about tenders**

Number of tenders received: 4

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

**V.2.3) Name and address of the contractor**

Steer Energy Solutions Ltd

28 Albyn Place

Aberdeen

AB10 1YL

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

SC433078

The contractor is an SME

Yes

**V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £218,275

**V.2.5) Information about subcontracting**

The contract is likely to be subcontracted

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

### **Lot No**

2

### **Title**

Lot 2 – Research and Evidence Gathering for Material and Component Suitability – Domestic and Non-Domestic with Respect to Hydrogen

A contract/lot is awarded: Yes

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

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

10 January 2022

#### **V.2.2) Information about tenders**

Number of tenders received: 6

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

#### **V.2.3) Name and address of the contractor**

TWI Ltd

Bevan Braithwaite Building, Granta Park, Great Abington

Cambridge

CB21 6AL

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

03859442

The contractor is an SME

No

**V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £200,000

**V.2.5) Information about subcontracting**

The contract is likely to be subcontracted

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**Section V. Award of contract**

**Lot No**

3

**Title**

Lot 3 – Installation Ventilation and Flues

A contract/lot is awarded: Yes

**V.2) Award of contract**

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

10 January 2022

**V.2.2) Information about tenders**

Number of tenders received: 2

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

**V.2.3) Name and address of the contractor**

Kiwa Ltd

Kiwa House, Malvern View Business Park, Bishops Cleeve

Cheltenham

GL52 7DQ

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

03473056

The contractor is an SME

No

#### **V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £210,900

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

### **Lot No**

4

### **Title**

Lot 4 – Pipe Sizing and Pressure Drop Criteria

A contract/lot is awarded: Yes

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

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

10 January 2022

#### **V.2.2) Information about tenders**

Number of tenders received: 5

Number of tenders received from SMEs: 1

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

**V.2.3) Name and address of the contractor**

Frazer Nash Consultancy Ltd

Hill Park Court, Springfield Drive

Leatherhead

KT22 7NL

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

02562870

The contractor is an SME

No

**V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £94,728

**V.2.5) Information about subcontracting**

The contract is likely to be subcontracted

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

### **Lot No**

5

### **Title**

Research and evidence gathering for hydrogen i) meter, internal and external, ventilation study ii) installation and set point of EFVs

A contract/lot is awarded: Yes

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

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

10 January 2022

#### **V.2.2) Information about tenders**

Number of tenders received: 4

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

#### **V.2.3) Name and address of the contractor**

GL Industrial Services LTD

Holywell Park, Ashby Road

Loughborough

LE11 3GR

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number



03294136

The contractor is an SME

No

#### **V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £123,861

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## **Section VI. Complementary information**

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

To view this notice, please click here:

<https://www.delta-esourcing.com/delta/viewNotice.html?noticeId=660724788>

GO Reference: GO-202227-PRO-19609520

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

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

Department of Business, Energy and Industrial Strategy

1 Victoria Street

London

SW1H0ET

Country

United Kingdom