

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/023360-2022>

Contract

3242/JN - Hydrogen-Fuelled Combustor Retrofit and Fuel Handling System (2 Lots)

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2022/S 000-023360

Procurement identifier (OCID): ocds-h6vhtk-032e5d

Published 22 August 2022, 5:00pm

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.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

3242/JN - Hydrogen-Fuelled Combustor Retrofit and Fuel Handling System (2 Lots)

Reference number

3242/JN

II.1.2) Main CPV code

- 42110000 - Turbines and motors

II.1.3) Type of contract

Supplies

II.1.4) Short description

With co-funding from the European Regional Development Fund, the University of Sheffield has established a flagship Translational Energy Research Centre (TERC) - a national multi-technology, integrated platform for research, development and innovation at pilot-scale, to understand and demonstrate green energy solutions for a sustainable, affordable and secure energy system. It is one of the largest and best-equipped research and development facilities in Europe for zero-carbon energy, hydrogen, bioenergy, combustion and carbon capture with storage/utilisation.

TERC is looking to further expand its current capabilities and equipment portfolio in this area. We are therefore looking to procure two lots:

LOT 1: Retrofitting a hydrogen-fired combustor for conversion of a gas turbine

LOT 2: Fuel handling and mixing skid, with feeding system

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: £235,195

II.2) Description

II.2.1) Title

Retrofitting a hydrogen-fired combustor for conversion of a gas turbine

Lot No

1

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)
- 42900000 - Miscellaneous general and special-purpose machinery

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre (TERC), Sheffield Business Park, Europa Avenue, Sheffield

II.2.4) Description of the procurement

Lot 1: Retrofitting a hydrogen-fired combustor for conversion of a gas turbine

- design and build of the hydrogen-fired burner
- retro-fitting of the combustor and integration into the existing AE-T100 mGT
- incorporation of temperature monitoring
- modifications to the fuel system
- modifications to the software and control system for the new burner and fuel block
- any changes to the compressor and turbine maps, as necessary
- modifications to the fuel control system (to accommodate Lot 2) - including the fuel compressor and skid controls/monitoring

II.2.5) Award criteria

Quality criterion - Name: Quality / Weighting: 80

Price - Weighting: 20

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.

Identification of the project: European Regional Development Fund (ERDF)

II.2) Description

II.2.1) Title

Fuel handling and mixing skid with feeding system

Lot No

2

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)
- 42900000 - Miscellaneous general and special-purpose machinery

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre (TERC), Sheffield Business Park, Europa Avenue, Sheffield

II.2.4) Description of the procurement

Lot 2: Fuel handling and mixing skid with feeding system

- design and build of the gas mixing skid, including fuel handling and delivery system
- full mechanical and electrical installation, including:

rerouting the natural gas from the AE-T100 fuel compressor to the skid

hydrogen connection with the site supply

connect the skid outlet to the AE-T100 fuel system

connect the skid controls/PLC to the AE-T100 system

connect the power from the AE-T100 or the site DB

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.

Identification of the project: 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 000-010177](#)

Section V. Award of contract

Contract No

3242/JN

Lot No

1

Title

Retrofitting a hydrogen-fired combustor for conversion of a gas turbine

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

28 July 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

Power Service Consulting GmbH

Opelstraße 14

St. Leon-Rot

68789

Country

Germany

NUTS code

- DE128 - Rhein-Neckar-Kreis

Companies House

HRB 731729

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: £154,000

Total value of the contract/lot: £100,982

Section V. Award of contract

Contract No

3242/JN

Lot No

2

Title

Fuel handling and mixing skid with feeding system

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

28 July 2022

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

Power Service Consulting GmbH

Opelstraße 14

St. Leon-Rot

68789

Country

Germany

NUTS code

- DE128 - Rhein-Neckar-Kreis

Companies House

HRB 731729

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: £66,000

Total value of the contract/lot: £134,213

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