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Contract

Upgrade to existing Natural Gas Roller Hearth Tile Kiln to fire on 100% Hydrogen

LUCIDEON LIMITED

F03: Contract award notice

Notice identifier: 2023/S 000-035429

Procurement identifier (OCID): ocds-h6vhtk-03eb93

Published 1 December 2023, 9:15am

Section I: Contracting authority

I.1) Name and addresses

LUCIDEON LIMITED

Queens Road

STOKE-ON-TRENT

ST47LQ

Contact

James Till

Email

james.till@uk.lucideon.com

Telephone

+44 1785331900

Country

United Kingdom

Region code

UKG23 - Stoke-on-Trent

Companies House

01960455

Internet address(es)

Main address

www.lucideon.com

I.4) Type of the contracting authority

Other type

Limited Company

I.5) Main activity

Other activity

Research and Development

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Upgrade to existing Natural Gas Roller Hearth Tile Kiln to fire on 100% Hydrogen

Reference number

LUC0012

II.1.2) Main CPV code

- 42300000 - Industrial or laboratory furnaces, incinerators and ovens

II.1.3) Type of contract

Supplies

II.1.4) Short description

The design, supply, and installation of modifications to our existing Natural Gas Roller Hearth Tile Kiln. Our organisation intends to transition the kiln to operate on 100% hydrogen, whilst retaining the existing natural gas combustion system and ensuring its safe and efficient operation. The kiln therefore requires the parallel installation of 100% hydrogen rated burners.

II.1.6) Information about lots

This contract is divided into lots: No

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

Value excluding VAT: £258,000

II.2) Description**II.2.3) Place of performance**

NUTS codes

- UKG23 - Stoke-on-Trent

II.2.4) Description of the procurement

The design, supply, and installation of modifications to our existing Natural Gas Roller Hearth Tile Kiln. Our organisation intends to transition the kiln to operate on 100% hydrogen, whilst retaining the existing natural gas combustion system and ensuring its safe and efficient operation. The kiln therefore requires the parallel installation of 100% hydrogen rated burners.

The existing asset has been used in the past to investigate the use of Flash Sintering of ceramic tiles is used as a laboratory/research platform for the ceramic tile sector and as such the final design should not compromise the asset's current capabilities, which are; 1170°C peak operating temperature, product setting volume to be unchanged

The existing asset was recommissioned in January 2023 after several years of being offline. It has a fully integrated SCADA control system that manages the kiln automation and combustion control current operation.

II.2.5) Award criteria

Quality criterion - Name: Quality, thoroughness and timeliness of implementation plan / Weighting: 10%

Quality criterion - Name: Quality and comprehensiveness of the acceptance / training / maintenance / Weighting: 5%

Quality criterion - Name: Quality and thoroughness of the specification / Weighting: 20%

Quality criterion - Name: Assessment of safety systems within the proposal / Weighting: 20%

Quality criterion - Name: Quality and thoroughness of previous experience in hydrogen kiln manufacture / Weighting: 10%

Quality criterion - Name: Quality of previous case study examples / Weighting: 5%

Cost criterion - Name: Total cost of equipment, installation, training and maintenance for 2 years / Weighting: 20%

Cost criterion - Name: Schedule of project payments and stage payments / Weighting: 5%

Cost criterion - Name: Financial Standing - credit check / Weighting: 5%

II.2.11) Information about options

Options: No

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: No

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2023/S 000-022107](#)

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

30 November 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

Therser UK Ltd

Stoke-on-Trent

Country

United Kingdom

NUTS code

- UKG23 - Stoke-on-Trent

Companies House

06843333

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: £258,000

Total value of the contract/lot: £258,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

6 Engineering

Middlesbrough

Country

United Kingdom