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Tender

Hydrogen Gas Generator System (MOVPE Reactors)

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2023/S 000-001426

Procurement identifier (OCID): ocds-h6vhtk-039834

Published 17 January 2023, 2:47pm

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://sheffield.ac.uk/>

I.3) Communication

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

<https://in-tendhost.co.uk/sheffield/asp/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/asp/Home>

Tenders or requests to participate must be submitted to the above-mentioned address

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

Hydrogen Gas Generator System (MOVPE Reactors)

Reference number

3577/DM/22

II.1.2) Main CPV code

- 42000000 - Industrial machinery

II.1.3) Type of contract

Supplies

II.1.4) Short description

The requirement is for a high purity Hydrogen Gas generation system capable of producing a stable and uninterrupted flow of high purity hydrogen gas to multiple MOVPE reactors in a semiconductor manufacturing facility.

An uninterrupted supply of hydrogen is essential to maintain the production capacity of the facility and the condition of the reactors. Reliability of hydrogen supply and availability of spares over a protracted life is crucial. The system provides hydrogen to semiconductor epitaxy reactors for 8 hours per day, 9-5, Monday to Friday. Outside these operating hours the system provides a lower rate of hydrogen to maintain conditions within the reactors. The system must be able to supply a variable flow-rate dependent on the number of reactors in operation and must be able to react rapidly to increased demand.

II.1.5) Estimated total value

Value excluding VAT: £625,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 09000000 - Petroleum products, fuel, electricity and other sources of energy
- 24100000 - Gases

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

University of Sheffield, Department of Electronic and Electrical Engineering

II.2.4) Description of the procurement

The requirement is for a high purity Hydrogen Gas generation system capable of producing a stable and uninterrupted flow of high purity hydrogen gas to multiple MOVPE reactors in a semiconductor manufacturing facility.

An uninterrupted supply of hydrogen is essential to maintain the production capacity of the facility and the condition of the reactors. Reliability of hydrogen supply and availability of spares over a protracted life is crucial. The system provides hydrogen to semiconductor epitaxy reactors for 8 hours per day, 9-5, Monday to Friday. Outside these operating hours the system provides a lower rate of hydrogen to maintain conditions within the reactors. The system must be able to supply a variable flow-rate dependent on the number of reactors in operation and must be able to react rapidly to increased demand.

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: £625,000

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

Start date

1 August 2023

End date

31 December 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 described within 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

15 February 2023

Local time

4:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

16 February 2023

Local time

12:00pm

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

Sheffield

S10 2TN

Country

United Kingdom