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Tender

Micro Transfer Printing System

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2022/S 000-028295

Procurement identifier (OCID): ocds-h6vhtk-037407

Published 7 October 2022, 3:46pm

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://www.sheffield.ac.uk/>

Buyer's address

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

I.3) Communication

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

<https://in-tendhost.co.uk/sheffield.aspx/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.aspx/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

Micro Transfer Printing System

Reference number

3509/DM/22

II.1.2) Main CPV code

- 31712000 - Microelectronic machinery and apparatus and microsystems

II.1.3) Type of contract

Supplies

II.1.4) Short description

The EPSRC National Epitaxy Facility (NEF) at the University of Sheffield supplies a wide range of III-V semiconductor materials and devices primarily to the UK academic research community. The NEF also engages in significant activity researching and developing new materials and structures. A key direction in this area is the heterogeneous integration of III-V and silicon based photonic and opto-electronic devices.

For this purpose the NEF requires a full, turn-key micro transfer printing (MTP) system suitable for highly-accurate, large-scale, parallel transfer of devices from a source wafer to a target wafer. This system must meet all the essential technical requirements set out within the tender documents.

II.1.5) Estimated total value

Value excluding VAT: £650,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Centre for Nanoscience and Technology, The EPSRC National Epitaxy Facility (NEF)

At The University of Sheffield

II.2.4) Description of the procurement

It is essential that the tool is easily configured to accommodate all standard wafer sizes up to 6 inch, and that the placement accuracy is +/- 2µm or better. The system must also come with at least 3 application-specific stamps. These can be collaboratively developed with NEF staff once the order for the tool is placed.

Technical capabilities that extend beyond the minimum essential specifications would be welcomed where possible. Of particular interest is training and support to enable the EPSRC NEF to produce their own custom-designed application-specific stamps. Higher level of automation of the process is also desirable, including automatic cleaning of stamps and alignment of source and target patterns during transfer-printing.

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: £650,000

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

Start date

2 January 2023

End date

30 November 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

7 November 2022

Local time

1:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

8 November 2022

Local time

12:00pm

Place

The University of Sheffield, Finance Department

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