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Tender

UKRI-3154 Indium deposition system

UK Research & Innovation

F02: Contract notice

Notice identifier: 2023/S 000-028493

Procurement identifier (OCID): ocids-h6vhtk-040425

Published 27 September 2023, 12:07pm

Section I: Contracting authority

I.1) Name and addresses

UK Research & Innovation

<https://www.ukri.org>, North Star Avenue, Harwell

Swindon

SN2 1FL

Contact

Declan Ward

Email

commercial@ukri.org

Telephone

+44 1793442000

Country

United Kingdom

Region code

UKK14 - Swindon

Internet address(es)

Main address

<https://www.ukri.org>

I.3) Communication

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

<https://www.delta-esourcing.com/tenders/UK-UK-Swindon:-Indium./2J2786X87G>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.delta-esourcing.com/tenders/UK-title/2J2786X87G>

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

Other activity

Research and innovation

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

UKRI-3154 Indium deposition system

Reference number

UKRI-3154

II.1.2) Main CPV code

- 14763000 - Indium

II.1.3) Type of contract

Supplies

II.1.4) Short description

STFC Interconnect provides a range of electronic and detector assembly techniques to scientific communities within STFC and our external collaborations. We have developed a process to perform surface preparation and make micro bumps of pure Indium metal, on a range of substrates including semiconductor wafers and semiconductor die. The resulting bumps are then used in our proprietary flip chip process to make many thousands or tens-of-thousands of electrical/mechanical connections in a single bonding step. The deposition process involves masking prior to deposition, then deposition, followed by removal of masked areas, leaving the desired bumps in place. Photo lithography (negative resist, lift-off) and shadow masking techniques are both used. We are now scaling this process into production and need new equipment capable of depositing on multiple substrates per day.

II.1.5) Estimated total value

Value excluding VAT: £320,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Oxfordshire

II.2.4) Description of the procurement

STFC Interconnect provides a range of electronic and detector assembly techniques to scientific communities within STFC and our external collaborations. We have developed a process to perform surface preparation and make micro bumps of pure Indium metal, on a range of substrates including semiconductor wafers and semiconductor die. The resulting bumps are then used in our proprietary flip chip process to make many thousands or tens-of-thousands of electrical/mechanical connections in a single bonding step. The deposition process involves masking prior to deposition, then deposition, followed by removal of masked areas, leaving the desired bumps in place. Photo lithography (negative resist, lift-off) and shadow masking techniques are both used. We are now scaling this process into production and need new equipment capable of depositing on multiple substrates per day.

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: £320,000

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

Duration in months

12

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

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

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

2 November 2023

Local time

2:00pm

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

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

2 November 2023

Local time

2:00pm

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.3) Additional information

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement.

For more information about this opportunity, please visit the Delta eSourcing portal at:

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Indium./2J2786X87G>

To respond to this opportunity, please click here:

<https://ukri.delta-esourcing.com/respond/2J2786X87G>

GO Reference: GO-2023927-PRO-24060381

VI.4) Procedures for review

VI.4.1) Review body

UK Research and Innovation

Polaris House,, North Star Avenue

Swindon

SN2 1FL

Email

commercial@ukri.org

Country

United Kingdom

VI.4.2) Body responsible for mediation procedures

UK Research and Innovation

Polaris House,, North Star Avenue

Swindon

SN2 1FL

Email

commercial@ukri.org

Country

United Kingdom