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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): ocds-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](mailto: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

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## **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

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## **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

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## **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

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## **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](mailto: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](mailto:commercial@ukri.org)

Country

United Kingdom