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Contract

NMIS Power Electronics Advanced Packaging Semiconductor Facility, dedicated die bonding, wire bonding, and encapsulation equipment.

University of Strathclyde

F03: Contract award notice

Notice identifier: 2024/S 000-020273

Procurement identifier (OCID): ocds-h6vhtk-03f66f

Published 3 July 2024, 12:52pm

Section I: Contracting authority

I.1) Name and addresses

University of Strathclyde

McCance Building, 16 Richmond Street

Glasgow

G1 1QE

Email

jen.robertson@strath.ac.uk

Telephone

+44 7811592949

Country

United Kingdom

NUTS code

UKM82 - Glasgow City

Internet address(es)

Main address

<http://www.strath.ac.uk/>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

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

NMIS Power Electronics Advanced Packaging Semiconductor Facility, dedicated die bonding, wire bonding, and encapsulation equipment.

Reference number

UOS-29902-2023

II.1.2) Main CPV code

- 31712330 - Semiconductors

II.1.3) Type of contract

Supplies

II.1.4) Short description

NMIS is in the process of expanding its manufacturing capability into the semiconductor advanced packaging area with specific focus on power electronic semiconductors. To support this expansion, NMIS intends to procure equipment that is flexible to support a wide variety of power electronic semiconductor designs and packaging requirements. The initial focus will be procuring equipment to support die bonding, wire bonding and encapsulation and associated ancillaries required.

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: £1,963,564

II.2) Description

II.2.2) Additional CPV code(s)

- 31710000 - Electronic equipment

II.2.3) Place of performance

NUTS codes

- UKM82 - Glasgow City

II.2.4) Description of the procurement

NMIS is in the process of expanding its manufacturing capability into the semiconductor advanced packaging area with specific focus on power electronic semiconductors. To support this expansion, NMIS intends to procure equipment that is able to support a wide variety of power electronic semiconductor designs and packaging requirements.

The concept design for the facility includes provision of equipment that is sufficiently flexible to support a wide variety of power electronic semiconductor designs and packaging requirements. The items procured will enable NMIS to set up a research facility for developing and scaling-up advanced packaging capabilities for power electronic semiconductors. The overall facility will have capability to prepare, dice/cut, bond, interconnect, package and test semiconductor products that are part of the power electronics sector. These stages will be carried out across dedicated research and development cells.

The initial focus will be procuring equipment as a 3 cell solution as Cell 6, Cell 7 and Cell 8 of a production line to support die bonding, wire bonding and encapsulation and associated ancillaries required. The University is seeking a supplier to supply, deliver and commission all of the equipment to provide the following overall capability:

Cell 6: Die Attach

- Automatic die bonding
- Vacuum oven curing
- Plasma cleaning

Cell 7: Interconnection

- Multi-head wire bonding
- Ultrasonic bonding

Cell 8: Encapsulation

- Overmoulding
- Dam and fill encapsulation
- Oven curing

II.2.5) Award criteria

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

II.2.11) Information about options

Options: Yes

Description of options

The Contracting Authority reserves the right to request additional deliveries by the Successful Tenderer, either intended as partial replacement of suppliers or installations or as extensions of existing supplies and installations.

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 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.2.1) Previous publication concerning this procedure

Notice number: [2023/S 000-037383](#)

Section V. Award of contract

Contract No

UOS-29902-2023

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

24 June 2024

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 1

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Accelonix

Station Works, Station Road

Linton

CB21 4NW

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Total value of the contract/lot: £1,963,564

Section VI. Complementary information

VI.3) Additional information

(SC Ref:771258)

VI.4) Procedures for review

VI.4.1) Review body

Glasgow Sheriff Court

0/1 201 Netherton Road

Glasgow

G13 1B

Country

United Kingdom

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

An economic operator that suffers, or risks suffering, loss or damage attributable to a breach of duty under the Public Contracts (Scotland) Regulations

2015(SSI2015/446) (as amended) may bring proceedings in the Sheriff Court or the Court of Session.