

Portugal-Braga: Laboratory, optical and precision equipments (excl. glasses)
OJ S 201/2019 17/10/2019
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: INL — International Iberian Nanotechnology Laboratory

National registration number: PT508633346

Postal address: Avenida Mestre José Veiga S/N

Town: Braga

NUTS code: PT112 Cávado

Postal code: 4715-330

Country: Portugal

Contact person: André Teixeira

E-mail: andre.teixeira@inl.int

Telephone: +351 253140112

Internet address(es):

Main address: www.inl.int

Address of the buyer profile: <https://in-tendhost.co.uk/inl/asp/Home>

I.4. Type of the contracting authority

European institution/agency or international organisation

I.5. Main activity

Other activity: Nanotechnology Research Laboratory

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Standard Specifications to Govern the Contracts for the Supply and Installation of Nanofabrication and Microscopy Equipment and the Upgrades to Existing Nanofabrication Systems for INL

II.1.2. Main CPV code

38000000 Laboratory, optical and precision equipments (excl. glasses)

II.1.3. Type of contract

Supplies

II.1.4. Short description

The subject matter of this contract is the supply and installation of nanofabrication and microscopy equipment and the upgrade to existing INL nanofabrication systems listed below and detailed in Schedule V attached to these standard specifications (from now on referred to as 'Specifications'). The equipment and upgrades to existing equipment listed in Schedule V

are the lots that the tender comprises. Tenderers may bid for one or more lots. The subject matter of the contract, in all cases, does not include so-called refurbished scientific instruments and equipment.

This tender is comprised of one lot, as follows:

2 b) Mask Aligner for 200 mm diameter wafers

This purchase is funded by Micro&NanoFabs@PT: Rede de Infraestruturas de Investigação de Micro e Nanofabricação em Portugal, code: NORTE-01-0145-FEDER-022090.

II.1.6. Information about lots

This contract is divided into lots: yes

II.1.7. Total value of the procurement

Value excluding VAT: 400 000,00 EUR

II.2. Description

II.2.1. Title

Lot No 2b — Mask Aligner for 200 mm Diameter Wafers

Lot No: 2B

II.2.2. Additional CPV code(s)

38000000 Laboratory, optical and precision equipments (excl. glasses)

II.2.3. Place of performance

NUTS code: PT112 Cávado

II.2.4. Description of the procurement

General requirements:

This tender concerns the supply of a mask aligner to be used with 200 mm diameter wafers.

Technical requirements

The new mask aligner should comply with the following requirements:

- the mask aligner should be a semi-automatic (wafers loaded by the operator) or fully automatic tool (wafers loaded and unloaded from a cassette).
- the mask aligner must be able to handle 200 mm diameter Si wafers with thicknesses of 750µm,
- the mask aligner should be able to write on the full surface of the Si wafers,
- the mask aligner should be capable of performing exposures in several different modes including hard contact, soft contact, proximity (with adjustable distance between mask and wafer in 1µm steps) and vacuum contact,
- the mask aligner should be able to write features with dimensions down to 2µm (including lines, circles, ellipses, squares and rectangles) without shape distortions on the full wafer,
- the mask aligner should be capable of automatically aligning the mask blank with respect to the wafer using alignment marks defined in previous lithography and pattern transfer steps,
- the mask aligner should be capable of aligning a mask blank with respect to alignment marks in a wafer placed either on the top side or on the bottom side of the wafer. I.e., the tool should be capable of performing both top side alignment and bottom side alignment,
- the overlay accuracy between 2 layers exposed in the same tool should be equal or better than 1µm on the full wafer,
- the mask aligner should be capable of using mask blanks of 9 inch x 9 inch made of quartz or soda-lime glass,

- for compatibility with the masks currently available at INL, the mask aligner should be capable of handling mask blanks of 8 inch x,— inch made of quartz or soda-lime, even if the exposure will not be made on the full wafer surface in this case,
 - the mask aligner optics should be capable of resolving features down to 1µm,
 - besides conventional ocular lens, the mask aligner should have a screen (ideally larger than 17 inch) displaying the images captured by the optics.
- The system should be capable of capturing pictures.

II.2.5. Award criteria

- Quality criterion - Name: Specifications and technical quality of the tender / Weighting: 30
- Quality criterion - Name: Warranty, maintenance and service contracts / Weighting: 15
- Quality criterion - Name: Technical training / Weighting: 5
- Quality criterion - Name: References / Weighting: 5
- Quality criterion - Name: Delivery schedule / Weighting: 15
- Quality criterion - Name: Improvements / Weighting: 5
- Price - Weighting: 25

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:
yes

Identification of the project: This purchase is funded by Micro&NanoFabs@PT: Rede de Infraestruturas de Investigação de Micro e Nanofabricação em Portugal, code: NORTE-01-0145-FEDER-022090.

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure Accelerated procedure Justification:

Due to the duration of the project that fund this purchase, the expected delivery time of the equipment and also considering the fact that this tender is related to a lot which contract was not awarded.

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2019/S 114-279270](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Lot No: 2B

Title:

Lot No 2b — Mask Aligner for 200 mm Diameter Wafers

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

01/09/2019

V.2.2. Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 3

Number of tenders received from tenderers from other EU Member States: 3

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 3

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

V.2.3. Name and address of the contractor

Official name: SUSS Microtech Lithography GMBH

Town: Garching

NUTS code: DE212 München, Kreisfreie Stadt

Country: Germany

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Initial estimated total value of the contract/lot: 400 000,00 EUR

Total value of the contract/lot: 380 000,00 EUR

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Director General of INL

Town: Braga

Country: Portugal

VI.5. Date of dispatch of this notice

14/10/2019