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Tender

## **Provision of a 300mm Capable High Throughput Electron Beam Lithography System**

UNIVERSITY OF SOUTHAMPTON

F02: Contract notice

Notice identifier: 2022/S 000-016638

Procurement identifier (OCID): ocds-h6vhtk-0347a3

Published 17 June 2022, 11:20am

The closing date and time has been changed to:

**25 July 2022 - no time specified**

See the [change notice](#).

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

UNIVERSITY OF SOUTHAMPTON

HIGHFIELD CAMPUS, UNIVERSITY ROAD

SOUTHAMPTON

SO171BJ

#### **Contact**

Jenna Scott

#### **Email**

[procurement@soton.ac.uk](mailto:procurement@soton.ac.uk)

**Telephone**

+44 2380595000

**Country**

United Kingdom

**NUTS code**

UKJ32 - Southampton

**Internet address(es)**

Main address

<https://www.southampton.ac.uk/>

Buyer's address

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

**I.3) Communication**

Access to the procurement documents is restricted. Further information can be obtained at

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

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Education

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Provision of a 300mm Capable High Throughput Electron Beam Lithography System

Reference number

2021UoS-0420

#### **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 University is looking to procure a new 300mm capable high throughput Electron Beam Lithography (EBL) Write Tool for the Southampton Nanofabrication Centre, to be used by researchers, students, and the wider UK academic community to provide state-of-the-art nanometer scale lithography service.

#### **II.1.5) Estimated total value**

Value excluding VAT: £7,000,000

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.2) Additional CPV code(s)**

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

### **II.2.3) Place of performance**

NUTS codes

- UKJ - South East (England)

Main site or place of performance

The equipment purchased under this tender exercise is to be delivered to:

University of Southampton

University Road

Southampton

Hampshire

SO17 1BJ

### **II.2.4) Description of the procurement**

The Southampton Nanofabrication Centre is a state-of-the-art facility for microfabrication and high-spec nanofabrication, as well as a wide range of characterisation capabilities, housed in a purpose built, 820m<sup>2</sup> cleanroom in the Mountbatten Complex at the University of Southampton.

One of the premier cleanrooms in Europe, the Centre has a uniquely broad range of technologies, combining traditional and novel top down fabrication with state-of-the-art bottom up fabrication. This allows us to develop and produce a wide range of devices in diverse fields such as electronics, nanotechnology and bio nanotechnology and incorporate them into an equally comprehensive array of nano and microsystems for analysis and use. The characterisation capability is similarly extensive catalogue of microscopes and test gear, from nanometre resolution scanning microscopes to electrical, magnetic and RF analysis.

The University is looking to procure a new 300mm capable high throughput Electron Beam Lithography (EBL) Write Tool for the Southampton Nanofabrication Centre, to be used by researchers, students, and the wider UK academic community to provide state-of-the-art nanometer scale lithography service. The instrument to be procured will directly replace a JEOL JBX9300FS which suffered a failure in 2021 (the removal of which is an optional requirement of this tender). The user base for the machine is approximately 40 users.

The University is conducting this procurement using the open procedure in accordance with the requirements of the Regulations for the purpose of procuring the goods and services described in the Specification.

The University proposes to enter into a Contract for up to sixteen years. This will be the maximum contract period, including any potential extensions with the successful tenderer.

This contract term will comprise:

The initial contract period, comprising;

- A period of twelve months to cover the estimated lead time of the instrument,
- A two-year warranty period, and
- A four-year comprehensive service agreement

Followed by

- A further nine x twelve-month optional extension periods to the comprehensive service agreement, subject to the satisfactory performance and at the discretion of the University.

The contract will be effective on signing. The two-year warranty period and four-year service agreement will run from the date of delivery and acceptance of the equipment, estimated to be twelve months after the commencement of the contract. Extensions, if agreed, shall run from the expiry of the initial service agreement period (year seven), if so agreed by the University. The Contract will run for a maximum of sixteen years up until September 2038 (actual date is TBC following contract award).

The anticipated total value of the proposed solution including all of the extension periods shown above should be within the range of £6m to £7m excluding VAT. It is anticipated that the cost of the instrument itself and core services related to its installation and commissioning will be in the value of £4m to £5m excluding VAT. All related components, delivery, installation, commissioning, training, services, and maintenance MUST be included within the proposal.

Details of current expenditure or potential future uptake are given as a guide base on past purchasing and current planning to assist you in the preparation of your Tender. They should not be interpreted as an undertaking to purchase any goods or services to any particular value and do not form part of the Contract.

This procurement is not suitable for splitting into lots. The risk of dividing the requirement into Lots would render the execution of the contract excessively technically difficult, not cost effective and would undermine proper execution of the contract.

### **II.2.5) Award criteria**

Quality criterion - Name: Mandatory Technical - Instrument / Weighting: 52

Quality criterion - Name: Mandatory Technical - Customer Support / Weighting: 4

Quality criterion - Name: Mandatory Technical - Delivery, Training & Logistics / Weighting: 4

Quality criterion - Name: Desirable Technical / Weighting: 20

Cost criterion - Name: Grand Total / Weighting: 20

### **II.2.6) Estimated value**

Value excluding VAT: £7,000,000

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

Duration in months

192

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

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## **Section III. Legal, economic, financial and technical information**

### **III.1) Conditions for participation**

#### **III.1.2) Economic and financial standing**

List and brief description of selection criteria

To support the financial assessment, the University will obtain a Business Risk Report for all Tenderers and every organisation that is being relied on to meet this procurement, using an independent company called Creditsafe.

The University reserves the right to exclude a Tenderer or request provision of further assurances such as parent company/bank guarantee or performance bonds where a Tenderer's Business Risk Score is: "Moderate Risk"; "High Risk"; "Very High

Risk"; or "Not Rated", based on the rating provided by Creditsafe.

Where a Business Risk Score from our external system is not available, then an alternative method of assessing financial standing will be used. This method is detailed within the Invitation to Tender document set.

Minimum level(s) of standards possibly required

Tenderers are advised that a requirement of this procurement is to have in place, or commit to obtain prior to the commencement of the contract, the following minimum insurance levels:

Employers (Compulsory) Liability: £10 million GBP per occurrence .

Public Liability: £10 million GBP per occurrence.

Product Liability: £10 million GBP per occurrence and in aggregate

Professional Indemnity Insurance: £2 million GBP per occurrence.

#### **III.1.3) Technical and professional ability**

Minimum level(s) of standards possibly required

Tenderers attention is drawn to the MANDATORY requirements of the award criteria:

- Grounds for mandatory exclusion
- Grounds for discretionary exclusion
- Economic & Financial Standing
- Insurance
- Environmental Management
- Health & Safety
- Compliance with Conditions of Contract

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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: No

### **IV.2) Administrative information**

#### **IV.2.2) Time limit for receipt of tenders or requests to participate**

Originally published as:

Date

18 July 2022

Local time

12:00pm

Changed to:



Date

25 July 2022

See the [change notice](#).

#### **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: 4 (from the date stated for receipt of tender)

#### **IV.2.7) Conditions for opening of tenders**

Date

18 July 2022

Local time

12:01pm

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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**

E-Tendering Portal: The University is utilising an electronic tendering tool, In-Tend (<https://intendhost.co.uk/> universityofsouthampton) to manage this procurement and to communicate with potential suppliers and/or tenderers (as appropriate).

All documentation in relation to this tender can be downloaded from In-Tend.

Potential suppliers/tenderers are advised that there will be no hard copy documents issued and all communications with the University, including the submission of Selection Stage and/or Invitation to Tender responses will be conducted via In-Tend.

Regular monitoring of the portal is the responsibility of the potential supplier/tenderer.

If you are not already registered as a supplier with the University of Southampton, you will need to register in In-Tend in order to access the procurement documentation.

Once you have logged in as a supplier: click on 'Tenders'; locate the relevant project; and click 'View Details'. Once you are in the project screen, you will be able to register your organisation against the project and access all documentation by clicking 'Express Interest'.

Potential suppliers/tenderers are advised that formal expressions of interest in the project must be by way of completion and return of the relevant documents via In-Tend.

Further instructions for the submission of responses are below:

To submit your return:

1. Log in
2. Click 'Tenders'
3. Locate the relevant project
4. View details
5. Click on the tab relating to the relevant project stage (e.g. 'Invitation to Tender')
6. Click on the 'Attach Documents' button and upload your return.
7. Check ALL your response documents are uploaded and displayed in the 'My Tender Return' panel. The system will only permit your organisation to make one return.
8. Click the red 'Submit Return' button.

Please note, to preserve the integrity of the procurement, all communications with the

University must be made via the correspondence function within In-Tend.

Publication of Award Details: In accordance with Regulation 50, paragraph (2) of the Public Contracts Regulations 2015 and subject to Article 5 and Annex 5, Part D (13) of Directive 2014/24/EU of the European Parliament and of the Council (if applicable), the University intends to publish the value of any resulting contract at the award stage, and reserves the right to do so.

By submitting a response, potential suppliers/tenderers are consenting to publication of this information unless otherwise agreed in advance with the University.

Costs and Expenses: Potential suppliers/tenderers are solely responsible for their costs and expenses incurred in connection with the preparation and submission of responses and participation in this and all future stages of this procurement. Under no circumstances will the University be liable for any costs or expenses borne by potential suppliers/tenderers or any of their supply chain, partners or advisers in this procurement process.

The University is not liable for any costs in the event of the cancellation of this procurement process.

## **VI.4) Procedures for review**

### **VI.4.1) Review body**

University of Southampton

Southampton

SO17 1BJ

Country

United Kingdom