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Tender

## **Short Pulse Laser**

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2024/S 000-029996

Procurement identifier (OCID): ocds-h6vhtk-049c36

Published 19 September 2024, 12:22pm

## **Section I: Contracting authority**

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

UNIVERSITY OF SHEFFIELD

THE UNIVERSITY OF SHEFFIELD, WESTERN BANK

SHEFFIELD

S102TN

### **Contact**

Rachel Hirst

### **Email**

[r.e.hirst@sheffield.ac.uk](mailto:r.e.hirst@sheffield.ac.uk)

### **Telephone**

+44 1142157590

**Country**

United Kingdom

**Region code**

UKE3 - South Yorkshire

**Companies House**

RC000667

**Internet address(es)**

Main address

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

**I.3) Communication**

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

<https://in-tendhost.co.uk/sheffield>

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/sheffield>

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

Regional or local authority

**I.5) Main activity**

Education

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## Section II: Object

### II.1) Scope of the procurement

#### II.1.1) Title

Short Pulse Laser

Reference number

4232/AMRC/RH/24

#### II.1.2) Main CPV code

- 42000000 - Industrial machinery

#### II.1.3) Type of contract

Supplies

#### II.1.4) Short description

4232/AMRC/RH/24 - Short Pulse Laser

The University of Sheffield wishes to invite tenders for a Short Pulse Laser on behalf of the Advanced Manufacturing Research Centre Factory 2050, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

The Advanced Manufacturing Research Centre (AMRC) are looking to replace their SPI redPOWER QUBE 2kW continuous-wave laser currently located at Factory 2050. The main application of this new laser will be further cutting trials with thin sheets of electrical steel for the production of electrical machine laminations, initially to produce perforations.

A remote laser cutting is being investigated as an alternative to traditional gantry-mounted fusion laser cutting. The perceived benefits of this method of cutting are that the cut rate is increased (the scanner is capable of speeds of up to 8,000 mm/s) and that the thermal damage (measured in terms of electromagnetic performance, not physical material properties) is reduced, both with reference to the traditional fusion cutting baseline. Materials being investigated are high-silicon steel (e.g. NO20) and cobalt iron (e.g. Hiperc50 - 49% cobalt content). Sheet thicknesses could range from 0.35 mm down to 0.1 mm.

Tender Process and Documentation:

This procurement is an open procedure.

The ITT can be downloaded by registering and expressing your interest on the University's e-tendering system <https://in-tendhost.co.uk/Sheffield>

If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>

Completed tenders must be returned through the same e-tendering system.

Closing date for receipt of tenders: 21st October 2024 at 12 noon (UK time).

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

Value excluding VAT: £250,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 38636100 - Lasers
- 38636110 - Industrial lasers

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

NUTS codes

- UKE - Yorkshire and the Humber

Main site or place of performance

AMRC Factory 2050, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

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

4232/AMRC/RH/24 - Short Pulse Laser

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Advanced Manufacturing Research Centre Factory 2050, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

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### **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: £250,000

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

Start date

1 November 2024

End date

31 March 2025

This contract is subject to renewal

No

#### **II.2.10) Information about variants**

Variants will be accepted: Yes

#### **II.2.11) Information about options**

Options: No

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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

21 October 2024

Local time

12:00pm

#### **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

21 October 2024

Local time

1:00pm

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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.4) Procedures for review**

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

University of Sheffield

Sheffield

S10 2TN

Country

United Kingdom