Contract

Short Pulse Laser

UNIVERSITY OF SHEFFIELD

F03: Contract award notice
Notice identifier: 2025/S 000-000504
Procurement identifier (OCID): ocds-h6vhtk-049c36
Published 8 January 2025, 1:22pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

WESTERN BANK

SHEFFIELD

S102TN

Contact

Rachel Hirst

Email

r.e.hirst@sheffield.ac.uk

Telephone

+44 1142157590

Country

United Kingdom

Region code

UKE32 - Sheffield

Companies House

RC000667

Internet address(es)

Main address

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

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

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. Hiperco50 - 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 etendering 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.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £250,000

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

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II.2.5) Award criteria

Quality criterion - Name: Scope and specification / Weighting: 80

Price - Weighting: 20

II.2.11) Information about options

Options: 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: No

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: 2024/S 000-029996

Section V. Award of contract

Title

Short Pulse Laser

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

7 January 2025

V.2.2) Information about tenders

Number of tenders received: 3

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

IPG PHOTONICS (UK) LIMITED

Hawkfield Business Park

Bristol

BS14 0BY

Country

United Kingdom

NUTS code

- UK - United Kingdom

Companies House

04132272

The contractor is an SME

No

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

Initial estimated total value of the contract/lot: £250,000

Total value of the contract/lot: £193,171.79

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Sheffield

Sheffield

Country

United Kingdom