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Planning

Purchase of Mode Hop free tuneable CW laser

Cardiff University

F01: Prior information notice
Prior information only
Notice identifier: 2025/S 000-001366
Procurement identifier (OCID): ocds-h6vhtk-04d03c
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Section I: Contracting authority

I.1) Name and addresses

Cardiff University

Procurement Services, McKenzie House, 30-36 Newport Road

Cardiff

CF24 0DE

Contact

Anna Rogala

Email

rogalaa@cardiff.ac.uk

Telephone

+44 2920879648

Country

United Kingdom

NUTS code

UKL - Wales

Internet address(es)

Main address

http://www.cardiff.ac.uk/business/why-work-with-us/for-suppliers

Buyer's address

https://www.sell2wales.gov.wales/search/Search_AuthProfile.aspx?ID=AA0258

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

Additional information can be obtained from the above-mentioned address

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

Purchase of Mode Hop free tuneable CW laser

Reference number

CU.1859.AR

II.1.2) Main CPV code

- 38636100 - Lasers

II.1.3) Type of contract

Supplies

II.1.4) Short description

Cardiff University is looking into purchasing a Mode Hop free tuneable CW laser.

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

II.2.3) Place of performance

NUTS codes

- UKL - Wales

II.2.4) Description of the procurement

Cardiff University is looking into purchasing a Mode Hop free tuneable CW laser. They will

use this laser to resonantly drive a semiconductor single quantum dot in the range 910-940nm. The laser must be able to tune continuously over quantum dot transitions. Some lasers “mode hop” (jump in wavelength) and supplier must ensure this product is mode-hop free over the widest range. The laser must have a time-averaged linewidth of less than 1MHz and coarse wavelength setting of less than 0.1nm, in addition to the mode hope free tuning. It should include an optical isolator to prevent back-reflections and have single mode fibre coupling launch 940HP or similar fibre with more than 10mW over the full range of 910-940nm. These parts can be quoted separately, if appropriate. PC control of coarse wavelength tuning, fine piezo wavelength tuning, and intensity should be available over USB, GPIB, ethernet or similar. The supply should include GUI and LabVIEW VIs for remote PC control, a laser interlock connection and/or interlocked shutter. The power supply should be compatible with a UK single phase socket.

II.3) Estimated date of publication of contract notice

3 March 2025

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

(WA Ref:147356)