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Planning

PIN: CR Tuneable Laser

National Physical Laboratory

F01: Prior information notice
Reducing time limits for receipt of tenders
Notice identifier: 2024/S 000-020905
Procurement identifier (OCID): ocds-h6vhtk-047be3
Published 9 July 2024, 12:26pm

Section I: Contracting authority

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Email

gary.phillips@npl.co.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

www.npl.co.uk

I.3) Communication

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://lupc.bravosolution.co.uk/

Tenders or requests to participate must be submitted to the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Research

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

PIN: CR Tuneable Laser

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

This is a Prior Information Notice for the procurement of CR Tuneable Laser.

Qty required is 1.

II.1.5) Estimated total value

Value excluding VAT: £500,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

Main site or place of performance

Teddington, UK

II.2.4) Description of the procurement

This is a Prior Information Notice for a procurement of CR Tuneable Laser.

The National Physical Laboratory (NPL) seeks the laser source system that must be tuneable over a spectral range from a minimum of 300 nm up to 2500 nm. Its output laser beam should be continuous wave (CW) or high-frequency quasi-continuous wave (e.g., ~80 MHz). The optical power of the emitted beam must be no less than 100 mW across the entire wavelength range. The beam profile should be Gaussian (e.g., TEM00) at all wavelengths. Additionally, the spectral linewidth of the laser source must not exceed 5 nm (Full Width at Half Maximum) throughout the full spectral range. The system should support computer-controlled wavelength setting via LabView and custom Python scripts, allowing automated, hands-free operation. Other requirements include stability in beam intensity (ideally 1 part in 104 over 4 hours), pointing stability (