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Tender

ITT - Portable 1.5 micron cavity-stabilised laser

National Physical Laboratory

F02: Contract notice
Notice identifier: 2021/S 000-029634
Procurement identifier (OCID): ocds-h6vhtk-02fb33
Published 29 November 2021, 10:45pm

Section I: Contracting authority

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Email

bronwyn.glossop@npl.co.uk

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

https://www.npl.co.uk/

I.3) Communication

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

https://lupc.bravosolution.co.uk/web/login.shtml

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/web/login.shtml

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

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

https://lupc.bravosolution.co.uk/web/login.shtml

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

National Measurement Institute

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

ITT - Portable 1.5 micron cavity-stabilised laser

Reference number

126381

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 National Physical Laboratory requirement is for a new compact ultrastable laser system for optical frequency metrology.

The ultrastable laser system shall comprise a laser source at 1542 nm, frequency-locked to an ultrastable optical cavity, including all necessary optics and electronics for control and monitoring, in a single 19-inch rack. The complete system shall be transportable, ideally on wheels or castors.

Delivery of output light shall be through single-mode, polarisation-maintaining (PM) fibre. The laser frequency should be user-selectable within a specific range detailed below.

The system shall have the ability to be controlled and monitored remotely. It should be designed for reliable continuous operation over extended periods and under environmental conditions typical of laboratories and data centres.

The supply is to include delivery of the performance-verified system ready for installation by the user, any software required to operate the system, a detailed operation manual and a comprehensive performance characterisation (including phase noise and instability).

II.1.5) Estimated total value

Value excluding VAT: £155,000

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

TW11 0LW

II.2.4) Description of the procurement

The National Physical Laboratory requirement is for a new compact ultrastable laser system for optical frequency metrology.

The ultrastable laser system shall comprise a laser source at 1542 nm, frequency-locked to an ultrastable optical cavity, including all necessary optics and electronics for control and monitoring, in a single 19-inch rack. The complete system shall be transportable, ideally on wheels or castors.

Delivery of output light shall be through single-mode, polarisation-maintaining (PM) fibre. The laser frequency should be user-selectable within a specific range detailed below.

The system shall have the ability to be controlled and monitored remotely. It should be designed for reliable continuous operation over extended periods and under environmental conditions typical of laboratories and data centres.

The supply is to include delivery of the performance-verified system ready for installation by the user, any software required to operate the system, a detailed operation manual and a comprehensive performance characterisation (including phase noise and instability).

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

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

Start date

31 March 2022

End date

2 May 2022

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

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

II.2.14) Additional information

The Authority is using the LUPC Bravo e-tender portal to conduct the procurement process. All Bidders must register their company via the LUPC Bravo Portal.

This can be done via the following link https://lupc.bravosolution.co.uk/web/login.shtml

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

Date

14 January 2022

Local time

3:00pm

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

14 January 2022

Local time

3:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

The National Physical Laboratory

Teddington

Country

United Kingdom