

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/029634-2021>

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](mailto: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