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Tender

Cryogen Free JJ Volt System

National Physical Laboratory

F02: Contract notice
Notice identifier: 2025/S 000-002743
Procurement identifier (OCID): ocds-h6vhtk-04d685
Published 27 January 2025, 3:55pm

Section I: Contracting authority

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Contact

Gary Phillips

Email

gary.phillips@npl.co.uk

Telephone

+44 2089773222

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

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

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

Cryogen Free JJ Volt System

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 (NPL) requirement is for a complete primary voltage calibration system built around a Josephson array quantum standard.

The purpose is to move away from the current generation of standards that use liquid helium to cool the sample to one that is liquid cryogen-free with the aim that no liquid helium should be required for either cool-down or routine operation, and hence the system should be capable of continuous operation for periods of at least several months.

The system should be capable of providing:

SI traceable DC voltages up to 10 V, with an uncertainty better than 1 nV/V.

software to run the system and automate the calibration of standards.

the capability to generate AC voltages up to a few kHz.

To express interest in this tender you fill first need to be registered on the tendering system. Please use the following URL: https://lupc.bravosolution.co.uk/web/login.shtml (from where you can register if not already registered) and search for ‘ITT: itt_2533 - ITT_123111 - Cryogen Free Josephson Junction (JJ) Voltage System’

II.1.5) Estimated total value

Value excluding VAT: £350,000

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

II.2.4) Description of the procurement

The National Physical Laboratory (NPL) requirement is for a complete primary voltage calibration system built around a Josephson array quantum standard.

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II.2.5) Award criteria

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

II.2.6) Estimated value

Value excluding VAT: £350,000

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

Duration in months

12

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

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: Yes

IV.2) Administrative information

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

11 February 2025

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

11 February 2025

Local time

3:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.3) Additional information

As a PIN notice was issued to the market last year to enable NPL to do so, please note that tendering timescales have been reduced to 15 days.

VI.4) Procedures for review

VI.4.1) Review body

NPL Management Limited

Teddington

TW11 0LW

Country

United Kingdom