

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/004181-2024>

Tender

Procurement of a Big Glove Box with Safety Disk

National Physical Laboratory

F02: Contract notice

Notice identifier: 2024/S 000-004181

Procurement identifier (OCID): ocids-h6vhtk-043835

Published 8 February 2024, 11:34am

Section I: Contracting authority

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Contact

Nina Heath

Email

nina.heath@npl.co.uk

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/>

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

Procurement of a Big Glove Box with Safety Disk

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 glovebox dedicated to Lithium-ion cell and electrode fabrication. The purpose is to safely assemble pouch cells and coin cells as well as air sensitive electrode laminates, in an environment that prevents contamination by atmospheric pollutants as well as Oxygen, Nitrogen, and moisture.

The setup needs to be able to work in presence of metallic lithium, and other alkali and alkaline earth metal electrodes. Therefore, Argon must be used to fill the glovebox rather than Nitrogen, and a Nitrogen filter needs to be provided in order to preserve the integrity of the electrodes and internal components of the cells.

The asset must enable the safe production of electrodes and pouch and coin cell assembly on the following requirements:

- 1) The equipment should provide a contained environment spacious enough for small scale electrode and cell fabrication equipment.
- 2) The equipment should be equipped with a disk burst with predetermined breaking points in order to prevent overpressure in the box in case of battery thermal runaway.
- 3) The equipment should be equipped with oxygen, moisture, and nitrogen sensors in order to ensure the quality of the atmosphere.
- 4) The equipment should be equipped with a purging system.
- 5) The equipment should be equipped with a solvent trap.

6) The equipment should be equipped with a Nitrogen filter.

7) The equipment should be equipped with a small side-mounted fridge for the safe storage of small amounts of chemicals.

II.1.5) Estimated total value

Value excluding VAT: £175,000

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

Procurement of Big Glove Box with Safety Disk (8-glove)

Qty: 1

Condition: New

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: £175,000

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

End date

30 August 2024

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: Yes

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 March 2024

Local time

5:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.7) Conditions for opening of tenders

Date

12 March 2024

Local time

9:00am

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

NPL Management

Teddington

Country

United Kingdom