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Tender

## **Invitation To Tender - Dilution Refrigerator**

National Physical Laboratory

F02: Contract notice

Notice identifier: 2021/S 000-028866

Procurement identifier (OCID): ocds-h6vhtk-02f831

Published 18 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

### **I.4) Type of the contracting authority**

Other type

National Measurement Institute

### **I.5) Main activity**

Other activity

National Measurement Institute

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Invitation To Tender - Dilution Refrigerator

Reference number

126388

#### **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 cryogenic measurement platform for the purposes of quantum devices testing. Devices under test will typically be semiconductor or superconductor nanodevices, for instance functioning as prototype quantum bits, quantum sensors, or quantum electrical standards.

The required temperatures and continuous run time required dictate that this must be a 'dry' dilution fridge system with base temperature