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Planning

## **Supply, Delivery and Commissioning of a Dilution Refrigerator**

University of Strathclyde

F01: Prior information notice

Prior information only

Notice identifier: 2021/S 000-003593

Procurement identifier (OCID): ocds-h6vhtk-029571

Published 23 February 2021, 3:16pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

University of Strathclyde

40 George Street, Procurement Department

Glasgow

G1 1QE

#### **Contact**

Hayley Clarke

#### **Email**

[hayley.clarke@strath.ac.uk](mailto:hayley.clarke@strath.ac.uk)

#### **Country**

United Kingdom

**NUTS code**

UKM82 - Glasgow City

**Internet address(es)**

Main address

<http://www.strath.ac.uk/>

Buyer's address

[https://www.publiccontractsscotland.gov.uk/search/Search\\_AuthProfile.aspx?ID=AA00113](https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113)

**I.3) Communication**

Additional information can be obtained from the above-mentioned address

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

Body governed by public law

**I.5) Main activity**

Education

## **Section II: Object**

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

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

Supply, Delivery and Commissioning of a Dilution Refrigerator

Reference number

UOS-19814-2021

#### **II.1.2) Main CPV code**

- 39721200 - Gas refrigerators

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

The University are seeking notes of interest for a potential tender opportunity for the supply, delivery and commissioning of a dilution refrigerator.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.2) Additional CPV code(s)**

- 39711100 - Refrigerators and freezers
- 39711110 - Refrigerator-freezers
- 39711130 - Refrigerators
- 39721200 - Gas refrigerators

#### **II.2.3) Place of performance**

NUTS codes

- UKM82 - Glasgow City

#### **II.2.4) Description of the procurement**

The University are seeking notes of interest for a potential tender opportunity.

1. The potential tender is for the supply of a cryogen-free dilution refrigerator.
2. The successful supplier is expected to build the refrigerator and fully integrate the technology as a turn-key solution.
3. The successful supplier is expected to deliver the equipment to the University, assemble it on-site and test its correct function.
4. The system must be capable of reaching a base temperature of 50 mK or lower.
5. The system must have a minimum cooling power of 250 microWatts at 100 mK.
6. The system must be integrated with a 3D vector field magnet with minimum field intensities of 3T (z-axis), 1T (y-axis) and 1T (x-axis).
7. The system must have the following wiring solutions:
  - a. twisted pairs (DC) from room temperature to mixing chamber.
  - b. coaxial semi-rigid cables (RF) from room temperature to 4 K.
8. Additional functionality may include:
  - a. Load lock system for fast sample exchange.
  - b. Optical fiber access (feedthrough and thermalisation stages).
9. The successful supplier is expected to provide a minimum 12-month warranty and post-commissioning technical support.

#### **II.3) Estimated date of publication of contract notice**

12 March 2021

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes

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## **Section VI. Complementary information**

### **VI.3) Additional information**

The University reserves the right to enter into further consultation with all or any company who expresses an interest in this notice.

Please note for those who wish to be involve in pre-tender engagement, registration of interest must be received by 05/03/2021.

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

[https://www.publiccontractsscotland.gov.uk/Search/Search\\_Switch.aspx?ID=644886](https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=644886).

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