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Contract

## **UKRI-4500 Novera System and Additional Chips**

UK Research & Innovation

F03: Contract award notice

Notice identifier: 2024/S 000-038586

Procurement identifier (OCID): ocds-h6vhtk-04c11a

Published 29 November 2024, 12:05pm

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

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

UK Research & Innovation

UK Research and Innovation, Polaris House, North Star Avenue

Swindon

SN2 1FL

#### **Contact**

Lucy Lyon

#### **Email**

[STFCprocurement@ukri.org](mailto:STFCprocurement@ukri.org)

#### **Telephone**

+44 1793298902

**Country**

United Kingdom

**Region code**

UKJ14 - Oxfordshire

**Internet address(es)**

Main address

[www.ukri.org](http://www.ukri.org)

Buyer's address

[www.ukri.org](http://www.ukri.org)

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

Body governed by public law

**I.5) Main activity**

Other activity

Research

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**Section II: Object****II.1) Scope of the procurement****II.1.1) Title**

UKRI-4500 Novera System and Additional Chips

**II.1.2) Main CPV code**

- 30211100 - Super computer

**II.1.3) Type of contract**

Supplies

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

Novera qubit system and additional qubit chips - an integrated system consisting of multiple sub-systems

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

This contract is divided into lots: No

#### **II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £500,000

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

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

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Oxfordshire

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

The equipment being purchased is the “Novera” - a packaged 9-qubit device plus mounting tower, and all wiring and components required below a dilution fridge base plate. This product is an integrated system consisting of multiple sub-systems:

- Qubit chips (QulCs) packaged in a custom PCB with SMPM connector interface.
- Cryogenic RF cables to interface the qubit package to the dilution fridge SMA coaxial wiring.
- RF components required for signal conditioning including low pass filters, circulators, isolators, directional couplers. These are specialist RF components compatible with cryogenic operation.
- Parametric amplifiers for qubit readout (TWPAs) – these are quantum limited amplifiers specified to be compatible with the qubit readout frequencies and fabricated by the supplier

themselves.

-A tower with magnetic shields to mount the qubit package and RF components to the dilution fridge.

-The whole system supports interfacing up to 72 signals between the package and dilution fridge

Also included are packaged qubit chips with a variety of coupling types and layouts: a 5-qubit uncoupled test chip, a 2-qubit test chip a 9-qubit test chip, and an 8-qubit device.

### **II.2.5) Award criteria**

Quality criterion - Name: Criterion 1 / Weighting: 10

Price - Weighting: 10

### **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 term and conditions relating to this purchase are provided in the Contract, which matches the Contract number cited in the narrative to this Purchase Order and are specific to this Contract. Where the Contract number is not so cited, then our standard terms and conditions will apply which are available at :- <https://www.ukri.org/wp-content/uploads/2023/01/UKRI-090123-ProcurementContractData-2658-December2022.pdf>

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## Section IV. Procedure

### IV.1) Description

#### IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the cases listed below

- The services can be provided only by a particular economic operator for the following reason:
  - absence of competition for technical reasons

Explanation:

In alignment with Regulation 32, UKRI STFC have awarded a Single Source Action (SSA) due to absence of competition for technical reasons.

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

The procurement is covered by the Government Procurement Agreement: No

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## Section V. Award of contract

### Contract No

UKRI-4500

### Title

UKRI-4500 Novera System and Additional Chips

A contract/lot is awarded: Yes

### V.2) Award of contract

#### V.2.1) Date of conclusion of the contract

26 November 2024

### **V.2.2) Information about tenders**

Number of tenders received: 1

The contract has been awarded to a group of economic operators: No

### **V.2.3) Name and address of the contractor**

Rigetti & Co. Inc

775 Heinz Ave

Berkeley

94710

Country

United States

NUTS code

- US - United States

National registration number

10513037

The contractor is an SME

No

### **V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £500,000

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## **Section V. Award of contract**

A contract/lot is awarded: Yes

### **V.2) Award of contract**

### **V.2.1) Date of conclusion of the contract**

26 November 2024

### **V.2.2) Information about tenders**

Number of tenders received: 1

The contract has been awarded to a group of economic operators: No

### **V.2.3) Name and address of the contractor**

Rigetti and Co LLC

47430 Seabridge Dr

Fremont

94538

Country

United States

NUTS code

- US - United States

National registration number

N/A

The contractor is an SME

No

### **V.2.4) Information on value of contract/lot (excluding VAT)**

Initial estimated total value of the contract/lot: £500,000

Total value of the contract/lot: £500,000

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## **Section VI. Complementary information**

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

To view this notice, please click here:

<https://ukri.delta-esourcing.com/delta/viewNotice.html?noticeId=905418160>

GO Reference: GO-20241129-PRO-28713552

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

UK Research & Innovation

1ET Polaris House, North Star Avenue

Swindon

SN2 1FL

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