

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/038586-2024>

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

Telephone

+44 1793298902

Country

United Kingdom

Region code

UKJ14 - Oxfordshire

Internet address(es)

Main address

www.ukri.org

Buyer's address

www.ukri.org

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

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>

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

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

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

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

Email

STFCprocurement@ukri.org

Telephone

+44 1793298902

Country

United Kingdom