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Tender

## **UKRI-2988 Vector Network Analyser - For the Superconducting Circuit Team**

UK Research & Innovation

F02: Contract notice

Notice identifier: 2023/S 000-008164

Procurement identifier (OCID): ocds-h6vhtk-03b4bb

Published 21 March 2023, 2:05pm

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

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

UK Research & Innovation

<https://www.ukri.org/>, North Star Avenue

Swindon

SN2 1FL

#### **Contact**

Elizabeth Gage

#### **Email**

[Elizabeth.Gage@ukri.org](mailto:Elizabeth.Gage@ukri.org)

#### **Telephone**

+44 7563420665

#### **Country**

United Kingdom

**Region code**

UK - United Kingdom

**Internet address(es)**

Main address

<https://www.ukri.org/>

**I.2) Information about joint procurement**

The contract is awarded by a central purchasing body

**I.3) Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://ukri.delta-esourcing.com/>

Additional information can be obtained from the above-mentioned address

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

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## **Section II: Object**

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

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

UKRI-2988 Vector Network Analyser - For the Superconducting Circuit Team

Reference number

UKRI-2988

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

- 38434000 - Analysers

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

Supplies

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

The UK's National Quantum Computing Centre aims at building quantum computers which will be made available to end users. Among others, one of the hardware platforms we are developing is based on Superconducting (SC) quantum bits (qubits), which form part of a superconducting quantum state circuit. Superconducting circuits are macroscopic in size and individually form a quantum state, but have quantum properties based upon quantized energy levels, superposition of states, and quantum entanglement, all of which are more commonly associated with atoms.

#### **II.1.5) Estimated total value**

Value excluding VAT: £440,000

#### **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

UNITED KINGDOM

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

The National Quantum Computing Centre seeks to enhance the UK's global leadership in quantum computing, to help translate UK research strengths into innovation, and enable the creation of the first generation of quantum computers, helping to build a resilient future economy.

The NQCC is the first UKRI Centre funded directly by UKRI, and is dedicated to accelerating the development of quantum computing by addressing the challenges of scaling – technological and user adoption. The NQCC delivers quantum computing for the UK National Quantum Technologies Programme (NQTP), which has already established the UK as a quantum technology global leader. Through its combined £1bn of public and private sector investment over 10 years (2014-2024), the programme will develop and deliver quantum technologies across the areas of sensing, timing, imaging, communications and computing.

The NQCC is pursuing two primary platforms of quantum computing, one based on superconductors and one based on trapped ions, as these are currently the most mature.

This tender will involve the purchase of at least two and up to four Vector Network Analysers (VNAs) for the NQCC.

#### **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: £440,000

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

Duration in months

36

This contract is subject to renewal

No

**II.2.10) Information about variants**

Variants will be accepted: No

**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

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## **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: No

### **IV.2) Administrative information**

#### **IV.2.2) Time limit for receipt of tenders or requests to participate**

Date

4 May 2023

Local time

2:00pm

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

English

#### **IV.2.7) Conditions for opening of tenders**

Date

4 May 2023

Local time

3:00pm

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.2) Information about electronic workflows**

Electronic invoicing will be accepted

Electronic payment will be used

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

For more information about this opportunity, please visit the Delta eSourcing portal at:

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Analysers./ZB574BP575>

To respond to this opportunity, please click here:

<https://ukri.delta-esourcing.com/respond/ZB574BP575>

GO Reference: GO-2023321-PRO-22361917

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

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

UK Research and Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

Country

United Kingdom