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Tender

## **UKRI-1248 NQCC WP19 A Practical Benchmarking Suite for Quantum Processors**

UK Research & Innovation

F02: Contract notice

Notice identifier: 2021/S 000-006206

Procurement identifier (OCID): ocds-h6vhtk-029fb0

Published 26 March 2021, 12:24pm

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

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

UK Research & Innovation

Polaris House, Rutherford Appleton Laboratory, Harwell

Swindon

SN2 1FL

#### **Contact**

Elizabeth Gage

#### **Email**

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

#### **Telephone**

+44 1235446553

#### **Country**

United Kingdom

**NUTS 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 electronically via

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

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-1248 NQCC WP19 A Practical Benchmarking Suite for Quantum Processors

Reference number

UKRI-1248

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

- 72200000 - Software programming and consultancy services

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

Services

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

The National Quantum Computing Centre has an objective to deliver an early-stage quantum computer (Noisy Intermediate Scale Quantum, NISQ machine) that can outperform conventional computing for a range of tasks, by 2025. In order to achieve this medium-term goal, the NQCC has developed a technology roadmap, and has identified a series of technical work packages (WPs) that are suitable for delivery by external contractors. These WPs focus on the delivery of technology solutions according to a set of required technical performance specifications, for both hardware and software, related to quantum computing. This tender relates to WP19 - Practical benchmarking suite.

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

Value excluding VAT: £200,000

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

This contract is divided into lots: No

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

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

- 48000000 - Software package and information systems

### **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 expected outcome for the project is the delivery of a technology solution that meets the technical specifications and cost criteria, accompanied by: (a)the disclosure of any foreground intellectual property resulting from the project; (b)the provision of technical reports documenting:

(i)The methodology, key results / outputs and outcomes;

(ii)A detailed description of the technology solution(s) being delivered, including designs, drawings, a bill of materials and/or software code, as applicable;

(iii)Evidence of how the specifications have been met.

Reports should provide sufficient detail that an expert in the art, using the same resources, equipment and materials, could verifiably reproduce the results if required; The conditions for delivery are stated in the technical specification for the WP below and involve the delivery of the system, as described, to 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: £200,000

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

Duration in months

18

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.2.12) Information about electronic catalogues**

Tenders must be presented in the form of electronic catalogues or include an electronic catalogue

**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**

To respond to this opportunity please click here: <https://ukri.delta-sourcing.com/respond/WJ6R3838PM>

## **Section IV. Procedure**

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

#### **IV.1.1) Type of procedure**

Restricted 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

26 April 2021

Local time

11:00am

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

English

#### **IV.2.6) Minimum time frame during which the tenderer must maintain the tender**

Duration in months: 3 (from the date stated for receipt of tender)

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## **Section VI. Complementary information**

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

This is a recurrent procurement: No

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

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement.

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

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Software-programming-and-consultancy-services./WJ6R3838PM>

To respond to this opportunity, please click here:

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GO Reference: GO-2021326-PRO-17992291

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

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

UK Research and Innovation

Polaris House

Swindon

SN2 2FP

Country

United Kingdom