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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): ocids-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

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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

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-esourcing.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)

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>

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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

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Country

United Kingdom