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Contract

System for the Measurement of Multiple Superconducting Qubits

National Physical Laboratory

F03: Contract award notice

Notice identifier: 2021/S 000-006303

Procurement identifier (OCID): ocds-h6vhtk-028790

Published 26 March 2021, 10:56pm

Section I: Contracting authority

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Contact

Simon Coller

Email

simon.coller@npl.co.uk

Telephone

+44 2089436485

Country

United Kingdom

NUTS code

UKI - LONDON

Internet address(es)

Main address

www.npl.co.uk

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

UK National Measurement Institute

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

System for the Measurement of Multiple Superconducting Qubits

II.1.2) Main CPV code

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.1.3) Type of contract

Supplies

II.1.4) Short description

NPL has awarded two contracts for a metrology system for measuring superconducting circuits comprising multiple coupled qubits. One contract is for baseband/IF electronics and instrumentation, the other for microwave instrumentation.

II.1.6) Information about lots

This contract is divided into lots: Yes

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

Value excluding VAT: £231,000

II.2) Description

II.2.1) Title

Baseband/IF electronics and instrumentation (including arbitrary waveform generators, digitisers and associated instrumentation)

Lot No

Lot 1

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKI75 - Hounslow and Richmond upon Thames

Main site or place of performance

Teddington

II.2.4) Description of the procurement

Develop and supply an integrated solution including hardware and software, with guidance and remote support for the set-up, testing and commissioning of the system by NPL.

II.2.5) Award criteria

Quality criterion - Name: Target Requirements / Weighting: 49

Quality criterion - Name: Desirable Features / Weighting: 15

Quality criterion - Name: Options / Weighting: 6

Price - Weighting: 30

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) Description

II.2.1) Title

Microwave instrumentation (including microwave generators and microwave switches)

Lot No

Lot 2

II.2.2) Additional CPV code(s)

- 31711422 - Microwave equipment

II.2.3) Place of performance

NUTS codes

- UKI75 - Hounslow and Richmond upon Thames

Main site or place of performance

Teddington

II.2.4) Description of the procurement

Develop and supply an integrated solution including hardware and software, with guidance and remote support for the set-up, testing and commissioning of the system by NPL.

II.2.5) Award criteria

Quality criterion - Name: Target Requirements / Weighting: 52

Quality criterion - Name: Desirable Features / Weighting: 8

Quality criterion - Name: Options / Weighting: 10

Price - Weighting: 30

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

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: Yes

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2021/S 000-000074](#)

Section V. Award of contract

Lot No

1

Title

Baseband/IF electronics and instrumentation

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

25 March 2021

V.2.2) Information about tenders

Number of tenders received: 4

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

V.2.3) Name and address of the contractor

Zurich Instruments AG

Technoparkstrasse 1

Zurich

8005

Country

Switzerland

NUTS code

- CH04 - Zürich

National registration number

CH-020.3.032.250-3

The contractor is an SME

Yes

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

Total value of the contract/lot: £142,000

Section V. Award of contract

Lot No

2

Title

Microwave instrumentation

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

25 March 2021

V.2.2) Information about tenders

Number of tenders received: 4

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

V.2.3) Name and address of the contractor

Rohde & Schwarz UK Ltd

Ancells Business Park

Fleet

GU51 2UZ

Country

United Kingdom

NUTS code

- UKJ3 - Hampshire and Isle of Wight

National registration number

539607

The contractor is an SME

Yes

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

Total value of the contract/lot: £89,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

NPL Management Ltd

Hampton Road

TEDDINGTON

TW11 0LW

Country

United Kingdom