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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](mailto:simon.coller@npl.co.uk)

#### **Telephone**

+44 2089436485

**Country**

United Kingdom

**NUTS code**

UKI - LONDON

**Internet address(es)**

Main address

[www.npl.co.uk](http://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

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## **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

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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: Yes

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

#### **IV.2.1) Previous publication concerning this procedure**

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

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## **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

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## **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



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## **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