CONTRACT AWARD NOTICE

RESULTS OF THE PROCUREMENT PROCEDURE

Supplies

Directive 2014/24/EU

SECTION I: CONTRACTING AUTHORITY

I.1) NAME AND ADDRESSES

Official name:
Universiteit Leiden
National ID:
27368929
Postal address:
Postbus 905
Town:
Leiden
NUTS code:
NL
Postal code:
2300 AX
Country:
NL
Contact person:
Universiteit Leiden
Telephone:
+31 715273304
E-mail:
inkoop@ufb.leidenuniv.nl
Fax:
-

Internet address(es)

Main address:
https://www.universiteitleiden.nl/
Address of the buyer profile:
https://platform.negometrix.com/PublishedTenders.aspx?tenderid=201139

I.2) JOINT PROCUREMENT

-

I.4) TYPE OF THE CONTRACTING AUTHORITY

Body governed by public law

I.5) MAIN ACTIVITY

Other activity: Scientific research and higher education

SECTION II: OBJECT

II.1) SCOPE OF THE PROCUREMENT

II.1.1) Title

Physical Property Measurement System

Reference number: -

II.1.2) CPV code(s)

Main code:
38300000 - Instrumenten voor metingen
Supplementary code:
-

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Leiden Institute of Physics is out to purchase a state-of-the-art/turn-key "cryogen-free measurement system" for low temperature electrical transport and magnetic properties in van der Waals heterostructures, magnetic-superconducting devices and testing scanning probe microscopes. For these investigations, the apparatus must have proven reliability, high throughput and withstand intense use by several research groups, with virtually no down-time from the moment of installation.

II.1.6) Information about lots

This contract is divided into lots: no

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

Value: 649 244,00

Currency: EUR

II.2) DESCRIPTION

II.2.1) Title

-

Lot No: -

II.2.2) Additional CPV code(s)

-

II.2.3) Place of performance

NUTS code:
NL NEDERLAND

Main site or place of performance:
Leiden

II.2.4) Description of the procurement:

(nature and quantity of works, supplies or services or indication of needs and requirements)

The Leiden Institute of Physics is out to purchase a state-of-the-art/turn-key "cryogen-free measurement system" for low temperature electrical transport and magnetic properties in van der Waals heterostructures, magnetic-superconducting devices and testing scanning probe microscopes. For these investigations, the apparatus must have proven reliability, high throughput and withstand intense use by several research groups, with virtually no down-time from the moment of installation.

After an exhaustive market analysis we conclude that Quantum Design GmbH (QD) is the only vendor that provides an apparatus with all the technical capabilities to meet our scientific requirements (listed under) and with unmatched reputation and customer satisfaction in the scientific community. The most relevant work and the highest sensitivity electrical and magnetic measurements in the literature are systematically performed in QD "PPMS" systems.

II.2.5) Award criteria

Price
Weighting: -

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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II.2.14) Additional information:

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SECTION IV: PROCEDURE

IV.1) DESCRIPTION

IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the Official Journal of the European Union in the cases listed below

IV.1.3) Information about a framework agreement or a dynamic purchasing system

-

IV.1.6) Information about electronic auction

-

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 in the OJ S: 2022/S 102-284388

IV.2.8) Information about termination of dynamic purchasing system

-

IV.2.9) Information about termination of call for competition in the form of a prior information notice

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SECTION V: AWARD OF CONTRACT

Contract No: 1
Lot No: 1
Title: Physical Property Measurement System

A contract/lot is awarded: yes

V.2) AWARD OF CONTRACT

V.2.1) Date of conclusion of the contract:

17/06/2022

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 1

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 0

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

V.2.3) Name and address of the contractor

Official name:
Quantum Design GmbH
National ID:
DE284734472
Postal address:
-
Town:
Darmstadt
NUTS code:
DE
Postal code:
-
Country:
DE
Telephone:
-
E-mail:
-

Fax:

-

Internet address:

-

The contractor is an SME: no

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

Initial estimated total value of the contract/lot:
649 244,00

Total value of the contract/lot: 649 244,00

Currency: EUR

V.2.5) Information about subcontracting

-

SECTION VI: COMPLEMENTARY INFORMATION

VI.3) ADDITIONAL INFORMATION

No representations were received and the contract was awarded.

VI.4) PROCEDURES FOR REVIEW

VI.4.1) Review body

Official name:
Rechtbank Den Haag
Postal address:
-
Town:
Den Haag
Postal code:
-
Country:
NL
E-mail:
-
Telephone:
-
Internet address:
-
Fax:
-

VI.4.2) Body responsible for mediation procedures

-

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures:
-

VI.4.4) Service from which information about the review procedure may be obtained

-

VI.5) DATE OF DISPATCH OF THIS NOTICE

15/07/2022

ANNEX D1 – GENERAL PROCUREMENT: JUSTIFICATION FOR THE AWARD OF THE CONTRACT WITHOUT PRIOR PUBLICATION OF A CALL FOR COMPETITION IN THE OFFICIAL JOURNAL OF THE EUROPEAN UNION

Directive 2014/24/EU

D1.1) Justification for the choice of the negotiated procedure without prior publication of a call for competition in accordance with Article 32 of Directive 2014/24/EU

The works, supplies or services can be provided only by a particular economic operator for the following reason:

- absence of competition for technical reasons

D1.3) Explanation

Please explain in a clear and comprehensive manner why the award of the contract without prior publication in the Official Journal of the European Union is lawful, by stating the relevant facts and, as appropriate, the conclusions of law in accordance with the directive:
The Leiden Institute of Physics is out to purchase a state-of-the-art/turn-key "cryogen-free measurement
system" for low temperature electrical transport and magnetic properties in van der Waals heterostructures,
magnetic-superconducting devices and testing scanning probe microscopes. For these investigations, the
apparatus must have proven reliability, high throughput and withstand intense use by several research groups,
with virtually no down-time from the moment of installation.
After an exhaustive market analysis we conclude that Quantum Design GmbH (QD) is the only vendor that
provides an apparatus with all the technical capabilities to meet our scientific requirements (listed under) and
with unmatched reputation and customer satisfaction in the scientific community. The most relevant work and
the highest sensitivity electrical and magnetic measurements in the literature are systematically performed in

QD "PPMS" systems.
We aim to the best temperature stability for the longer time possible for transport, critical current, magnetic
measurements and testing of scanning probes. The apparatus should provide fully automated temperature
control without the use of any mechanical needle-valve. It must be equipped with dual impedance: one for
primary gas flow and a secondary fine flow of gas/liquid. The temperature stability at 2K must be at least 2mK,
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attainable for a long time without any drift or oscillation. The temperature must not have any disturbance at the
helium boiling and lambda points.
We require options such as DC/AC resistivity, pressure cell for electrical transport that operates with "cryogenic
oil" up to at least 2GPa, a multi-function probe for custom measurements, a 360- degrees horizontal sample
rotator with high step resolution (at least 0.0015 degrees/step), and VSM for at least 9 mm samples with a noise
floor of at least 6.0x10-7 emu. All these options should operate in the temperature range 1.8K-400K and in a
vertical magnetic field up to +/-9T (homogeneity ±0.01 % over 3 cm on-axis).
Because of a combination of software portability, licensing and performance, we require state-of-the-art CAN
interface without GPIB and no third-party platforms like LabView.
In order to achieve the highest sensitivity, sample holders and probes that are inside the magnetic field region
must be made of materials that suppress Eddy currents, like CuBe, and gold coated without magnetic impurities
to avoid magnetic background.