

Netherlands-The Hague: Industrial machinery
OJ S 225/2021 19/11/2021
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: The Netherlands Organisation for Applied Scientific Research TNO

National registration number: 252056395

Postal address: Anna van Buerenplein 1

Town: Den Haag

NUTS code: NL Nederland

Postal code: 2595 DA

Country: Netherlands

Contact person: Peter Kuiper

E-mail: aanbesteden@tno.nl

Telephone: +31 888668490

Internet address(es):

Main address: <http://www.tno.nl>

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Other activity: applied scientific research

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

VNA Wave receiver + multi-ch sources

Reference number: 2021 FPL INK 189

II.1.2. Main CPV code

42000000 Industrial machinery

II.1.3. Type of contract

Supplies

II.1.4. Short description

VNA Vector Network Analyzer

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7.

Total value of the procurement

Value excluding VAT: 1,00 EUR

II.2. Description

II.2.3. Place of performance

NUTS code: NL Nederland

Main site or place of performance: Den Haag

II.2.4. Description of the procurement

1 Vector Network Analyzer

II.2.5. Award criteria

Price

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.2.14. Additional information

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

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
 - absence of competition for technical reasons

Explanation:

This concerns a delivery order in the context of VNA Wave receiver. The VNA Wave receiver must meet requirements that can only be supplied by 1 supplier, at the moment. TNO requires a Vector Network Analyzer (VNA), to be used in large-signal measurement setups and in particular in a Pulsed Active Harmonic Source/Load-Pull setup, with the following characteristics:

- Frequency range: (at least) 10MHz to 50GHz
- Number of available ports for S-parameter measurements: (at least) 4
- Number of receivers with direct access: (at least) 5
 - o Settable IF BW: (at least) up to 2MHz and, in this condition perform a reading in (at most) 1us
- Number of internal individually controllable sources: (at least) 3
 - o Each source should be individually controllable in: frequency, amplitude, and phase (over 360deg)
 - o Phase coherent between sources: (at maximum) 0.25deg pp of phase variation between two sources set at 10GHz, measured with the receivers set at 200kHz IF BW continuously acquiring readings over at least 2 seconds.
 - o At least 2 sources should allow for pulse modulation

- Capability for being synchronized with other instruments through a high frequency reference signal: (at least) of 1GHz
 - o Synchronization for phase coherence with other auxiliar sources should allow for a similar phase coherence performance as stated above.
 - Controllable through USB/Ethernet for control and readout of the waves being measured
The Keysight solution was the only available that allowed to achieve the phase coherence performance mentioned above. The Keysight solution presented the following unique benefits:
 - High coherence between internal sources, meeting the previously mentioned requirement
 - Capability to expand the number of sources, while achieving a similar level of coherency
 - Absolute phase-noise level better than -120dBc/Hz at 100kHz offset from a 10GHz carrier
 - o With the added benefit to TNO of allowing for lower variation in phase readings: beneficial in pulsed applications
- Pursuant to Aw Article 2.32 sub b, point 2, TNO is entitled to apply the negotiated procedure without notice.

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

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.2.8. 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

Section V: Award of contract

Contract No: 1

Title:

VNA Wave receiver + multi-ch sources

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

12/11/2021

V.2.2. Information about tenders

Number of tenders received: 1

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: Keysight Technologies Netherlands B.V.

National registration number: 58724265

Postal address: Hullenbergweg 288

Town: Amsterdam

NUTS code: NL Nederland

Postal code: 1101 BV

Country: Netherlands

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Initial estimated total value of the contract/lot: 1,00 EUR

Total value of the contract/lot: 1,00 EUR

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Rechtbank Den Haag

Postal address: Prins Clauslaan 60

Town: Den Haag

Postal code: 2595 AJ

Country: Netherlands

E-mail: aanbesteden@tno.nl

Telephone: +31 883622200

Internet address: <http://www.rechtspraak.nl>

VI.5. Date of dispatch of this notice

15/11/2021