

Netherlands-Leiden: Astronomical and optical instruments

OJ S 178/2023 15/09/2023

Contract notice

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Universiteit Leiden

National registration number: 27368929

Postal address: Kolffpad 1

Town: Leiden

NUTS code: NL33 Zuid-Holland

Postal code: 2333BN

Country: Netherlands

Contact person: Govert Schipperheijn

E-mail: g.m.schipperheijn@ufb.leidenuniv.nl

Telephone: +31 715273304

Internet address(es):

Main address: www.universiteitleiden.nl

Address of the buyer profile: <https://s2c.mercell.com/buyer/19549>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://s2c.mercell.com/today/50005>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://s2c.mercell.com/today/50005>

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Other activity: Higher education and Scientific Research

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Waveguide Assemblies and Waveguide Feedthroughs

II.1.2. Main CPV code

38630000 Astronomical and optical instruments

II.1.3. Type of contract

Supplies

II.1.4. Short description

The Atacama Large Millimeter/submillimeter Array (ALMA), an international astronomy facility, is a partnership of Europe, North America and East Asia in cooperation with the Republic of Chile.

In the past years, NOVA has developed and produced the ALMA Band 5 and 9 receivers. NOVA is presently producing the ALMA Band 2 receivers. This is a cryogenic heterodyne receiver offering state-of-the-art sensitivities at signal frequencies from 67 - 116 GHz. The tender concerns the procurement of 4 different types of Waveguide assemblies

II.1.5. Estimated total value

Value excluding VAT: 250 000,00 EUR

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.3. Place of performance

NUTS code: NL11 Groningen

Main site or place of performance: Delivery at Groningen.

II.2.4. Description of the procurement

Nederlandse Onderzoekschool voor Astronomie (NOVA)

NOVA is the alliance of the astronomical institutes of the universities of Amsterdam, Groningen, Leiden, and Nijmegen, legally represented by the Leiden University. Astronomy is considered to be top-science in The Netherlands. NOVA was selected as top-research school in 1998 following an open national competition, and is as such receiving substantial funding by the Dutch Ministry of Education. NOVA's mission is to carry out frontline astronomical research in the Netherlands, to train young astronomers at the highest international levels, and to share our new discoveries with society.

As part of this mission, NOVA's instrumentation program aims to strengthen the technical expertise at the universities, and to develop and construct new instrumentation for world-class observatories. Development and production of the ALMA Band 2 Receivers for the Atacama Large Millimeter/submillimeter Array (ALMA) is an important part of this instrumentation program.

Leiden University is the legal representative of NOVA.

For more information about NOVA you can visit the website: <https://nova-astronomy.nl>

Atacama Large Millimeter/submillimeter Array (ALMA)

The Atacama Large Millimeter/submillimeter Array (ALMA), an international astronomy facility, is a partnership of Europe, North America and East Asia in cooperation with the Republic of Chile. ALMA is funded in Europe by the European Organization for Astronomical Research in the Southern Hemisphere (ESO), in North America by the U.S. National Science Foundation (NSF) in cooperation with the National Research Council of Canada (NRC) and the National Science Council of Taiwan (NSC) and in East Asia by the National Institutes of Natural Sciences (NINS) of Japan in cooperation with the Academia Sinica (AS) in Taiwan.

ALMA operations are led on behalf of Europe by ESO, on behalf of North America by the National Radio Astronomy Observatory (NRAO), which is managed by Associated Universities, Inc. (AUI) and on behalf of East Asia by the National Astronomical Observatory of Japan (NAOJ).

The Joint ALMA Observatory (JAO) provides the unified leadership and management of the construction, commissioning and operation of ALMA.

ALMA is a single instrument composed of 66 high-precision antennas located in the II Region of Chile, in the District of San Pedro de Atacama, at the Chajnantor Altiplano, 5,000 metres above sea level (see Figure 1).

ALMA's primary function is to observe and image with unprecedented clarity the enigmatic cold regions of the Universe, which are optically dark, yet shine brightly in the millimeter-submillimeter part of the electromagnetic spectrum.

ALMA Band 2 Receiver Project

In the past years, NOVA has developed and produced the ALMA Band 5 and 9 receivers. NOVA is presently producing the ALMA Band 2 receivers. This is a cryogenic heterodyne receiver offering state-of-the-art sensitivities at signal frequencies from 67 - 116 GHz.

A consortium of three institutes executes the work:

The ALMA/NOVA group within the Kapteyn Institute, the Astronomy department of the University of Groningen in the Netherlands

GARD (Group for Advanced Receiver Development) within the University of Göteborg, Sweden

INAF (Italian National Institute for Astrophysics) in Bologna, Italy

NOVA leads in the project and performs this work under contract to ESO.

The challenging science goals, large scope, and remote location of the ALMA project, combined with the Receiver Cartridges' cryogenic operating temperatures (as low as 15 K or -258°C), place high demands on the performance and reliability of the Band 2 Receivers Cartridges and their components.

The tender concerns the procurement of 4 different types of Waveguide assembly.

II.2.5. Award criteria

Criteria below

Price

II.2.6. Estimated value

Value excluding VAT: 250 000,00 EUR

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system

Duration in months: 19

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.2.13. 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 III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions:

None.

III.1.2. Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3. Technical and professional ability

Selection criteria as stated in the procurement documents

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

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.2.2. Time limit for receipt of tenders or requests to participate

Date: 27/10/2023 Local time: 12:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.2.4. Languages in which tenders or requests to participate may be submitted

English, Dutch

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)

IV.2.7. Conditions for opening of tenders

Date: 27/10/2023 Local time: 12:01

Place:

Leiden, electronically

Information about authorised persons and opening procedure: None.

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about electronic workflows

Electronic invoicing will be accepted

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Rechtbank Den Haag

Town: Den Haag

Country: Netherlands

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:
Within 20 days after contract-award decision at the latest.

VI.5. Date of dispatch of this notice

11/09/2023