

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=151467>

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

METIS Cryogenic Beam Chopper

Reference number: -

II.1.2) CPV code(s)

Main code:

38630000 - Astronomische en optische instrumenten

Supplementary code:

-

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Mid-infrared ELT Imager and Spectrograph (METIS) is one of only three scientific astronomical instruments on ESO's (European Southern Observatory) 39 meter Extremely Large Telescope (ELT). To reach its nominal scientific performance, the METIS instrument requires an internal cryogenic beam chopper for background calibration.

II.1.6) Information about lots

This contract is divided into lots: no

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

Value: 740 000,00

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:

Maastricht

II.2.4) Description of the procurement:

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

The Mid-infrared ELT Imager and Spectrograph (METIS) is one of only three scientific astronomical instruments on ESO's (European Southern Observatory) 39 meter Extremely Large Telescope (ELT). To reach its nominal scientific performance, the METIS instrument requires an internal cryogenic beam chopper for background calibration. A 'chopping' mirror is a standard component of (mid-)infrared astronomical imagers and spectrographs, allowing suppression of sky thermal background noise from the image. On METIS, the chopper is located in the 2nd instrument pupil, after the cold stop, the derotator and the AO WFS pickoff, but before the split to the different arms of the instrument: the L/M band spectrograph & IFU, the imager and long-slit spectrograph.

The METIS Cold Chopper mechanism (MCC) is considered a single integrated component which is part of the Common Fore Optics (CFO) of the METIS instrument.

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

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

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: 2020/S 096-229502

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

Lot No: 1

Title: METIS Cryogenic Beam Chopper

A contract/lot is awarded: yes

V.2) AWARD OF CONTRACT

V.2.1) Date of conclusion of the contract:

04/06/2020

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

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

Number of tenders received by electronic means: 1

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

V.2.3) Name and address of the contractor

Official name:

JPE bv

National ID:

-

Postal address:

-

Town:

Maastricht

NUTS code:

NL

Postal code:

-

Country:

NL

Telephone:

-

E-mail:

-

Fax:

-

Internet address:

-

The contractor is an SME: yes

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

Initial estimated total value of the contract/lot:

740 000,00

Total value of the contract/lot: 740 000,00

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

13/07/2021

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 Mid-infrared ELT Imager and Spectrograph (METIS) is one of only three scientific astronomical instruments on ESO's (European Southern Observatory) 39 meter Extremely Large Telescope (ELT). To reach its nominal scientific performance, the METIS instrument requires an internal cryogenic beam chopper for background calibration.

This cryogenic beam chopper is a fast switching device with a ~7cm mirror that can perform millions of extremely accurate offsets in a cryogenic (70 Kelvin) vacuum environment over a lifetime of at least 10+ years with minimal heat dissipation. The device needs to be capable of very fast re-positioning and settling (within 5 ms) while achieving very high accuracy (1.7 μ rad stability), requiring the development of cryo-compatible interferometric position sensors. No such device has ever been used in an astronomical instrument, and it cannot be obtained "off the shelf" anywhere in the world.

Based on JPE's acquired experience and innovative technical solutions for this device (incl. custom-made actuators, position sensors, and control strategies and algorithms) and based on the jointly developed technology, JPE is the only supplier that is able to perform this work for METIS in order to meet the above described requirements.