

Portugal-Braga: Microscopes
OJ S 164/2014 28/08/2014
Contract award notice
Supplies

Directive 2004/18/EC

Section I: Contracting authority

I.1. Name and addresses

Official name: INL, International Iberian Nanotechnology Laboratory

Postal address: Avenida Mestre José Veiga

Town: Braga

Postal code: 4715 330

Country: Portugal

Contact person: www.inl.int

For the attention of: Adrian Watson

E-mail: adrian.watson@inl.int

Telephone: +351 253140112

Fax: +351 253140119

Internet address(es):

General address of the contracting authority: www.inl.int

Address of the buyer profile: <http://inl.int/contractors/info>

Electronic access to information: <http://inl.int/contractors/info>

I.2. Type of the contracting authority

European institution/agency or international organisation

I.3. Main activity

Other: Nanotechnology Research Laboratory

I.4. Contract award on behalf of other contracting authorities

The contracting authority is purchasing on behalf of other contracting authorities: no

Section II: Object of the contract

II.1. Description

II.1.1. Title

Contract for the Supply and Installation of an Upgrade to a Nikon Ti-E Eclipse — Life Science Microscope for the International Iberian Nanotechnology Laboratory.

II.1.2. Type of contract and place of performance or delivery

Supplies

Main site or place of performance: Avenida Mestre José Veiga,

Braga,

4715-330 Portugal.

NUTS code PT112 Cávado

II.1.3. Information about a framework agreement or a dynamic purchasing system (DPS)

II.1.4.

Short description of the contract or purchase(s)

1. Introduction

The International Iberian Nanotechnology Laboratory (INL) in Braga, Portugal, is seeking to expand the capabilities of its Life Science microscopy platform, acquired in 2010, with total internal reflectance microscopy (TIRFM). The technical requirements of which are detailed below.

2. Technical Requirements

- TIRFM illumination:
- Monolithic laser module providing illumination at 405 nm, 488 nm, 561 nm and 647 nm with power output levels of 20 mW, 50 mW, 50 mW and 125 mW respectively;
- Integration with Nikon Ti-e microscope:
- Laser safety module;
- Laser coupling module for Nikon Ti-e microscope.
- 60x oil immersion TIRFM compatible objective with a numerical aperture (NA)>1.48.
- Electron-multiplication Charge Coupled Device (emCCD) with:
 - 512 x 512 pixels;
 - Cooling down to —100 °C;
 - Full frame read-out > 50Hz;
 - Read noise < 1e- (with electron multiplication gain);
 - Pixel well depth > 150.000e-.
- Software:
 - Off-line software license for TIRFM data analysis with co-localization and FRET analysis capabilities.
 - Software integration of TIRFM illumination module.
- TIRFM filter sets:
 - 4-band filter set compatible with the TIRFM laser illumination wavelengths;
 - Single band filter sets for TIRFM operation at 488, 561 and 647 nm respectively;
 - Cy3 and CFP dichroic filters accompanied by empty filter cubes to migrate existing Cy3/Cy5 and CFP/YFP FRET imaging capabilities to the TIRFM upgrade.
 - Migration of the INL Life Science microscope's fluorescence lamp with excitation and emission filter wheel (Lambda LS, Sutter Instrument) to INL's microfluidics microscope (MA200, Nikon)
 - Lamp and filter wheel adapter components;
 - Software upgrade:
 - Computer controlled operation of lamp and filter wheels;
 - Image based spectral unmixing module.
 - 5-band dichroic filter set for DAPI, FITC, TRITC, Cy5 and Cy7 imaging.

II.1.5. CPV code(s)

38510000 Microscopes

II.1.6. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

II.2. Total value of the contract/lot

II.2.1. Total value of the contract/lot

Value: 160 000 EUR
excluding VAT

Section IV: Procedure

IV.1. Type of procedure

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

Justification for the award of the contract without prior publication of a call for competition in the Official Journal of the European Union:

Directive 2004/18/EC

1) Justification for the choice of the negotiated procedure without prior publication of a contract notice in the OJEU in accordance with Directive 2004/18/EC

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

technical

The International Iberian Nanotechnology Laboratory (INL) acquired a Life Science Microscope from Izasa Portugal — Distribuições Técnicas, Lda in 2011 as a result of an Open Procedure published in the OJEU with reference [2010/S 197-300778](#) dated 9.10.2010. (Lot no. 3.4). The equipment delivered in 2011, a Nikon Eclipse Ti-E Phase contrast/EPI-FL microscope is exclusively dedicated to research at the INL facility in Braga, Portugal. In the Technical Specifications published in 2010, lot 3.4, the capability of upgrade of the Life Science Microscope to be acquired was clearly requested, the upgrade being described as allowing 'Total internal reflection fluorescence microscopy (TIRFM) with image capture provided by an electron multiplying charged coupled device (emCCD)'. This contract covers the said upgrade. In the opinion of the INL, only a single economic operator, the original equipment supplier can be considered for this contract, namely Izasa Portugal — Distribuições Técnicas, Lda., for the following technical reasons: 1. This upgrade is limited to Nikon equipment due to restrictions regarding the microscope objective design. 2. Izasa Portugal — Distribuições Técnicas, Lda., are the sole distributor of Nikon equipment in Spain and Portugal. 3. Integration of the upgraded system with the existing software platform can only be offered and achieved by Izasa Portugal — Distribuições Técnicas, Lda. (Additionally, it is important to note that the evaluation of the upgrade offers made by the bidders in the original 2010 tender resulted in a score for Izasa Portugal — Distribuições Técnicas, Lda, of 20 points out of 20, the score achieved by the second best contractor was 10 out of 20). The electron multiplying Charge Coupled Device (emCCD) manufactured by Hamamatsu Photonics and supplied as part of the Nikon Life Science Microscope in 2011 against the original tender was exchanged by Izasa Portugal — Distribuições Técnicas, Lda., at no cost for a scientific Complementary Metal Oxide Semiconductor (sCMOS) camera due to problems encountered with background noise. Hence, as detailed in the original tender, an advanced emCCD is included as part of this upgrade.

IV.2. Award criteria

IV.2.1. Award criteria

The most economically advantageous tender in terms of

1. Price and Payment Conditions. Weighting 35
2. Warranty, Maintenance and Service Contracts. Weighting 10
3. Specifications and Technical Quality. Weighting 40
4. Technical training. Weighting 5
5. Delivery time. Weighting 5
6. Improvements. Weighting 5

IV.2.2. Information about electronic auction

An electronic auction has been used: no

IV.3. Administrative information

IV.3.1. File reference number attributed by the contracting authority

AW/PdB

IV.3.2. Previous publication concerning this procedure

no

Section V: Award of contract

Contract No: 2014-NP7

Lot No: 1

- Lot title: Contract for the Supply and Installation of an Upgrade to a Nikon Ti-E Eclipse — Life Science Microscope for the International Iberian Nanotechnology Laboratory

V.1. Date of conclusion of the contract

8.8.2014

V.2. Information about tenders

Number of tenders received: 1

V.3. Name and address of the contractor

Official name: Izasa Portugal — Distribuições Técnicas, Lda

Postal address: Rua do Prolateriado, 1

Town: Carnaxide

Postal code: 2790-138

Country: Portugal

E-mail: concursos@izasa.pt

Telephone: +351 214247378

Fax: +351 214172663

Internet address: <http://www.izasa.pt/>

V.4. Information on value of the contract/lot

Initial estimated total value of the contract/lot:

Value: 160 000 EUR

excluding VAT

Total value of the procurement:

Value: 160 000 EUR

excluding VAT

V.5. Information about subcontracting

The contract is likely to be subcontracted: no

Section VI: Complementary information

VI.1. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: This project will be co-financed by the European Regional Development Fund (ERDF), namely through the Programa Operacional Regional Do Norte on. 2 (Portugal).

VI.2. Additional information

VI.3. Procedures for review

VI.3.1. Review body

VI.3.2. Review procedure

VI.3.3. Service from which information about the review procedure may be obtained

VI.4. Date of dispatch of this notice

26.8.2014