

Portugal-Braga: Laboratory, optical and precision equipments (excl. glasses)

OJ S 237/2013 06/12/2013

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.intAddress 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 auxiliary hardware and software upgrades to electron microscopes in the High Accuracy Laboratory of 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)**

Lot 1

Auxiliary Hardware and Software to Upgrade Quanta 650, FEG-ESEM

Introduction

The International Iberian Nanotechnology Laboratory in Braga, Portugal, is looking to acquire auxiliary hardware and software to upgrade the Quanta 650 FEG- Environmental Scanning Electron Microscope.

Technical Requirements of the package

1. Back-scattered Detector

— A Solid State (SS) Directional Back-scattered (DBS) detector which can be used in high-vacuum, low-vacuum and in the ESEM mode.

— It should be possible to mount the detector to the lower pole piece of the electron column to enable simultaneous EDS spectra.

— The detector should enable separate detection of electrons emitted at different angles.

— This Lens-mounted DBS detector should be compatible with the existing Quanta 650 FEG system.

2. Nav-Cam

— An optical camera for Quanta 650 (FEG) systems that can mount to the SEM chamber door in order to enable acquiring image of samples mounted on the specimen stage.

— The camera system should be able to acquire high quality images, should cover the stage travel area of 6" (150 mm) and should be able to be zoomed in the user interface to look more closely at a specific sample location.

— The camera should be compatible with the existing Control Software version which is already available in the Quanta 650 ESEM.

3. A package for upgrading the Quanta FEG User Interface software to a higher version.

4. A software compatible with the existing INCA software to provide particle and inclusion analysis applications that combines easy set-up, rapid and accurate particle detection, and to provide powerful data analysis.

Lot 2

Auxiliary Hardware and Software to Upgrade Titan

Introduction

The International Iberian Nanotechnology Laboratory in Braga, Portugal, is looking to acquire auxiliary hardware and software to upgrade the Titan 80-200 kV microscope.

Technical Requirements of the package

1. A software package to enable performing Focus Series Acquisition and Reconstruction. The package should enable the user in determining all important acquisition and reconstruction parameters.

— It should be compatible with the existing microscope's User Interface.

2. Off-line Quantitative Software Package for the already existing Super X EDS system.

— An additional license for off-line software package in order to enable the quantitative analysis of EDX data acquired with Super X.

3. TEM Scripting

— A TEM Scripting which permits the control of the Titan microscope by a user application under Windows NT, Windows 200, Windows XP or higher. This package should contain a library of high-level microscope control functions that can be called from other applications. The facility should provide control of microscope functions such as the optics, plate camera and specimen stage, as well as the User buttons of the microscope's Control Pads.

4. EELS Analysis Software Offline

— An offline version of EELS Analysis and should also include Digital Micrograph Offline version.

II.1.5. CPV code(s)

38000000 Laboratory, optical and precision equipments (excl. glasses)

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: 119 698 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 acquired a Quanta 650 FEG Environmental Scanning Electron Microscope (Lot 1.4, EUR0.4m) and a Titan 80-200kV aberration corrected Scanning Transmission Electron Microscope (Lot 1.1, EUR 1.93 m) as a result of an Open Procedure published in the OJEU ([2010/S 197-300778](#)) 9.10.2010. (Contracts signed 2011, delivery and installation, Lot 1.4 2011, Lot 1.1, 2012). The equipment is exclusively dedicated to research at the INL's facility in Braga. Now, INL wishes to extend these microscope's functionalities by acquiring the auxiliary hardware and software necessary to upgrade the equipment's capabilities as described below. The single economic operator FEI Europe BV is the only entity that could be considered as the awardee of the contracts for the following technical reasons: Lot 1a) A Solid State Directional Back-scattered detector which can be used in high-vacuum, low-vacuum and in the ESEM mode that can be mounted directly to the lower pole piece of the electron column to enable simultaneous imaging as well as collection of EDS spectra. This Lens-mounted DBS detector must be compatible with the existing Quanta 650 FEG system. b) An optical camera for Quanta 650 systems that can mount to the SEM chamber door in order to enable acquiring image of samples mounted on the specimen stage. The camera must be compatible with the existing Control Software version which is already available in the Quanta 650. c) A software package for upgrading the Quanta User Interface software to a higher version. The upgrade of the software must be compatible with the existing Control Software version already available in the Quanta 650 ESEM. d) A software compatible with the existing INCA software to provide particle and inclusion analysis applications that combines easy set-up, rapid and accurate particle detection, and to provide powerful data analysis. This software must be compatible with the existing INCA Software version which is already available in the Quanta 650. Lot 2 a) A software package to enable performing Focus Series Acquisition and Reconstruction. It must be compatible with the existing

microscope's User Interface. b) Off-line Quantitative Software Package for the already existing Super X EDS system. It must be compatible with the existing microscope's User Interface. c) A TEM Scripting which permits the control of the Titan microscope by a user application under Windows NT, Windows 200, Windows XP or higher. d) An offline version of EELS Analysis which also includes Digital Micrograph Offline version. It must be compatible with the existing microscope's User Interface. Only acquiring these items from the proposed awardee will fulfil the compatibility need and objective. Additionally, both microscopes at the INL facility are covered by a warranty, the Quanta 650 until November 2014 and Titan 80-200kV, until June 2015, i.e. 3 years from the date of each instrument's final acceptance by INL. Any third party equipment and installation work applied to these instruments would seriously jeopardise the warranty and maintenance service agreements between INL and FEI and potentially lead to excessive expense for repair, maintenance and replacement part installations.

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/LF

IV.3.2. Previous publication concerning this procedure

no

Section V: Award of contract

Contract No: 2013-NP6

Lot No: 1

- Lot title: Supply and installation of the auxiliary hardware and software to upgrade a Quanta 650 FEG-ESEM

V.1. Date of conclusion of the contract

25.11.2013

V.2. Information about tenders

Number of tenders received: 1

V.3. Name and address of the contractor

Official name: FEI Europe B.V.

Postal address: Achtseweg Noord 5

Town: Eindhoven

Postal code: NL-5600 KA

Country: Netherlands
E-mail: support.netherlands@fei.com
Telephone: +31 402356924
Fax: +31 402356634
Internet address: <http://www.fei.com/>

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

Initial estimated total value of the contract/lot:
Value: 62 000 EUR
excluding VAT
Total value of the procurement:
Value: 61 134 EUR
excluding VAT

V.5. Information about subcontracting

The contract is likely to be subcontracted: no

Contract No: 2013-NP6

Lot No: 2

- Lot title: Supply and installation of the auxiliary hardware and software to upgrade a Titan 80-200kV STEM

V.1. Date of conclusion of the contract

25.11.2013

V.2. Information about tenders

Number of tenders received: 1

V.3. Name and address of the contractor

Official name: FEI Europe BV
Postal address: Achtseweg Noord 5
Town: Eindhoven
Postal code: NL-5600 KA
Country: Netherlands
E-mail: support.netherlands@fei.com
Telephone: +31 402356924
Fax: +31 402356634
Internet address: <http://www.fei.com/>

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

Initial estimated total value of the contract/lot:
Value: 59 000 EUR
excluding VAT
Total value of the procurement:
Value: 58 564 EUR
excluding VAT

V.5. Information about subcontracting

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

5.12.2013