

Norway-Trondheim: Measuring instruments

OJ S 233/2016 02/12/2016

Contract notice

Supplies

Directive 2004/18/EC

Section I: Contracting authority

I.1. Name and addresses

Official name: NTNU [The Norwegian University of Science and Technology]

Postal address: Jonsvannsveien 82, building A

Town: Trondheim

Postal code: 7050

Country: Norway

For the attention of: Terje Haarberg

E-mail: terje.haarberg@ntnu.no**Additional information can be obtained from:**

Official name: NTNU [The Norwegian University of Science and Technology]

For the attention of: Terje Haarberg

E-mail: terje.haarberg@ntnu.no**Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from:**

Official name: NTNU [The Norwegian University of Science and Technology]

For the attention of: Terje Haarberg

E-mail: terje.haarberg@ntnu.no**Tenders or requests to participate must be submitted:** Official name: NTNU [The Norwegian University of Science and Technology]

For the attention of: Terje Haarberg

E-mail: terje.haarberg@ntnu.no**I.2. Type of the contracting authority**

Body governed by public law

I.3. Main activity

Education

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 attributed to the contract by the contracting authority**

Thin film NP laboratorie_PLD_sputtering combined system.

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

Supplies

Purchase

Main site or place of performance: NTNU Trondheim.

NUTS code NO Norge

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

The notice involves a public contract

II.1.4. Information about framework agreement

II.1.5. Short description of the contract or purchase(s)

The contracting authority would like tenders for a system that will be used for the design and synthesis of advanced nano materials and nano composites for a broad spectrum of nano technology programmes.

The system consists of two consecutive vacuum chambers. The first chamber is an aggregating zone where 3 sputtering targets can be simultaneous or separate DC sputtering in an Ar-atmosphere. The three magnetrons shall be independently inspected. Within this aggregate zone, a cluster core forms in an inert gas atmosphere at a relatively high pressure, followed by the growth of larger nano particles by coalescence. The procedure for sputtering can be carried out at relatively high pressure (~ 10-1 mbar). In this chamber multi-component nano particles can be produced and set aside as free-standing nano particles or as porous films.

The length of the chamber shall be regulated and the outlet point from the chamber ought to have different diameters. The other chamber consists of an ultra-high vacuum chamber in which the accumulation of the thin film of PLD technology is carried out. The PLD dimension area shall have 5 rotating dimensions with an option for in-situ dimension selection. The nano particles are pulled out and accelerated by the pressure difference between the aggregation zone and the accumulation chamber through a regulated opening.

The design/geometry of the chambers shall allow simultaneous accumulation of thin film and nano particles or a post-landing of nano particles on the surface of the PLD-FILM under controlled conditions. The equipment shall incorporate the software for full control of the system, with the option to operate in manual modus if necessary.

The system shall include a laser and the accompanying accessories, all ready for use. The supplier shall be responsible for all the system parts and shall be able to react quickly and provide technical support for all parts of the system.

Fur further delivery/system requirements, please see the Contracting Authority's requirement specification in Annex 1 (attached).

II.1.6. CPV code(s)

38300000 Measuring instruments, 38636100 Lasers, 38410000 Metering instruments, 38400000 Instruments for checking physical characteristics

II.1.7. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

II.1.8. Lots

This contract is divided into lots: no

II.1.9. Information about variants

Variants will be accepted: no

II.2. Scope of the procurement

II.2.1. Total quantity or scope

The contracting authority intends to procure 1-one- system as described in the tender documentation and the accompanying requirement specifications.

II.2.2. Information about options

Options: no

II.2.3. Information about renewals

This contract is subject to renewal: no

II.3. Duration of the contract or time limit for completion

Duration in months: 24 (from the award of the contract)

Section III: Legal, economic, financial and technical information

III.1. Conditions related to the contract

III.1.1. Deposits and guarantees required

III.1.2. Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them

III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded

III.1.4. Contract performance conditions

The performance of the contract is subject to particular conditions: no

III.2. Conditions for participation

III.2.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions: See the requirement specifications.

III.2.2. Economic and financial ability

List and brief description of conditions: See the requirement specifications.

Minimum level(s) of standards possibly required: See the requirement specifications.

III.2.3. Technical and professional ability

List and brief description of conditions:

See the requirement specifications.

Minimum level(s) of standards possibly required:

See the requirement specifications.

III.2.4. Information about reserved contracts

III.3. Conditions specific to services contracts

III.3.1. Information about a particular profession

III.3.2. Information about staff responsible for the performance of the contract

Section IV: Procedure

IV.1. Type of procedure

IV.1.1. Type of procedure

Open

IV.1.2. Information about the limits on the number of candidates to be invited

IV.1.3. Information about reduction of the number of solutions or tenders during negotiation or dialogue

IV.2. Award criteria

IV.2.1. Award criteria

The most economically advantageous tender in terms of Price is not the only award criterion and all criteria are stated only in the procurement documents

IV.2.2. Information about electronic auction

An electronic auction will be used: no

IV.3. Administrative information

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

ANSK-0185-16

IV.3.2. Previous publication concerning this procedure

no

IV.3.3. Conditions for obtaining specifications and additional documents or descriptive document

Time limit for receipt of requests for documents or for accessing documents: 4.1.2017

Payable documents: no

IV.3.4. Time limit for receipt of tenders or requests to participate

10.1.2017 - 12:00

IV.3.5. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.3.6. Languages in which tenders or requests to participate may be submitted

English.

Other: Norwegian.

IV.3.7. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.3.8. Conditions for opening of tenders

Date: 10.1.2017 - 14:00

Place:

NTNU Trondheim.

Persons authorised to be present at the opening of tenders: no

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

VI.4.2. Review procedure

VI.4.3. Service from which information about the review procedure may be obtained

VI.5. Date of dispatch of this notice

29.11.2016