



Consiglio Nazionale delle Ricerche

ISTITUTO DI NEUROSCIENZE

Pisa Padova Milano Cagliari



Sede di Pisa

INFORMATION NOTICE No. 1/2014/IN - PD

Public Procurement

Contract Reference Number 58723207C2 - Tender Number 5701442

Following decision to stipulate contract IN Prot. N. 0002491 of July 24 2014, in compliance with the the principles set out in Art. 2 of Legislative Decree No 163 of 12 April 2006 concerning the regulation of public procurement regarding works, services and supplies implementing Directives 2004/17/EC and 2004/18/EC, in order to select the companies that shall be invited to take part in the procurement process as regulated by Art. 125 (II), of Legislative Decree No 163 of 12 April 2006, we publish this Notice.

Contracting authority:

NATIONAL RESEARCH COUNCIL OF ITALY - CNR
INSTITUTE OF NEUROSCIENCE - PADOVA BRANCH

Procurement procedure:

Negotiated procedure, Art. 125 (l) (b) of Legislative Decree No 163 of 12 April 2006.

Object of the contract:

Two (2) Modelocked Ti:S Laser systems (Widely Tunable, Single Box Precompensation). All the parts of the equipment have to be new (unused) components.

Maximun amount estimated:

Euro **190.000,00** (hundredninetythousand/00 euro) VAT not included

Detailed description of the required works/services/supplies:

Compact ti:Sapphire laser and precompensation in an integrated package, power supply with integrated control interface and closed-loop water chiller. Hands-free operation.

Automated dispersion.

Fully-controllable dispersion precompensation down to 0 at all wavelengths

High output power (up to >3W)

Range from 0 to >47,000 fs

Tuning above 920 nm

Active alignment for long-term stability

On-board spectrometer with simple USB interface shows wavelength

Specifications:

Tuning Range (nm) 680 to 1080 nm

Average Power at Peak ≥ 3.0 W at a frequency of 80 MHz

Automated Dispersion Precompensation in a single box

Tuning Speed >40nm/sec

Pulse Width: not less than 130 fs - 800 nm

Noise: <0.15 % (10Hz-20MHz band)

Output Power Stability: $\leq \pm 0.5\%$

Spatial Mode: TEM00 (M2 <1.1)



Consiglio Nazionale delle Ricerche
ISTITUTO DI NEUROSCIENZE
Pisa Padova Milano Cagliari



Sede di Pisa

Beam Diameter 1,6 (mm) 1.2 ± 0.2
Beam Ellipticity: 0.9 to 1.1
Astigmatism: (%) <10
Repetition Rate (MHz) 80
Polarization Horizontal: >500:1
Pointing ($\mu\text{rad/nm}$) <80/100 total
Operating Voltage (VAC) 90 to 250 (auto ranging)
Maximum Operating Current (A) <15 at 90 VAC (power supply) <7 at 90 VAC (chiller)
2 at 90 VAC (MRU x1)
System Power Consumption (W) 2300 max, 1300 typical Line Frequency (Hz) 47 to 63
Operating Temperature Range 15 to 35°C (59 to 95°F)
Chiller; MRU Air Recirculator

Awarding criteria: The most economically advantageous tender.

Tender selection criteria:

Quality and performance of the product. Compliance with the specific technical specifications. The extension of warranty must cover more than 12 months. Presence of an Assistance Center in Italy and of qualified technicians from the Factory producing the laser.

Expression of Interest

Therefore, companies interested in taking part in this selection process are required to send a formal Application to Take Part in the Tender, within and no later than **September 8, 2014** to the following address:

CNR - Istituto di Neuroscienze
c/o Dipartimento di Scienze Biomediche
Università degli Studi di Padova
Viale Giuseppe Colombo, 3
35131 Padova Italy
Fax: +39 0498276040

Please write on the envelope the following information "Avviso No 1/2014 IN-PD"

Request to participate should also be sent by e-mail: zoratti@mail.bio.unipd.it



Consiglio Nazionale delle Ricerche
ISTITUTO DI NEUROSCIENZE
Pisa Padova Milano Cagliari



Sede di Pisa

Once all Applications have been received, the Istituto di Neuroscienze shall proceed to the identification of economic operators to be invited to tender.

The publication of this Notice and the Expression of Interest by companies shall in no way bind the Istituto di Neuroscienze to proceed with the invitation to tender under this procedure.

Tender Manager: Dr. Michela Matteoli

Clarifications

The contracting authority reserves the right to be entirely at liberty in considering the Applications and, moreover, reserves the right:

- not to proceed to the next step of the invitation to tender;
- not to proceed to awarding the tender at its discretion;
- to extend the terms of the tendering procedure;
- to annul the procedure.

The data collected shall be treated in accordance with Legislative Decree No. 196/2016.

This Notice is available at the following Internet address: www.urp.cnr.it in the section: *Gare e Appalti*.

Director
Dr. Michela Matteoli

IN - CNR - IN	
Tit: VIII.5	CI: MATERIALE E F:
N. 0002617	01/08/2014

