



**Institute of Photonics and Electronics AS CR, v.v.i.**

Chaberská 57, 182 51 Praha 8-Kobylisy  
tel.: +420 266 773 400, fax: +420 284 680 222  
e-mail: ufe@ufe.cz, www.ufe.cz

In order to facilitate the participation of the non-Czech suppliers in this public tender, the contracting authority provides an English translation of the tender documentation.

Please, note that the English version is provided only for informative purposes. In case of any discrepancy between the Czech and English versions of the tender documentation, only the **Czech version is legally binding.**





**Institute of Photonics and Electronics AS CR, v.v.i.**  
Chaberská 57, 182 51 Praha 8-Kobylisy  
tel.: +420 266 773 400, fax: +420 284 680 222  
e-mail: ufe@ufe.cz, www.ufe.cz

Prague, June 20<sup>th</sup> 2014

Executive: Mgr. Marcela Zmeškalová  
Phone.: +420 266 773 404  
Reg. No.: ÚFE-239/2014-sekr

We are sending you an invitation appeal to submit a public small-scale tender named

**„Single frequency UV solid state laser for holography“**

**I. Identification details of the contracting authority**

Name:	Institute of Photonics and Electronics of the AS CR, v. v. i.
Domicile:	Chaberská 57, 182 51 Prague
Identification number:	67985882
Tax ID:	CZ67985882
Data box:	m54nucy
Authorised person to act on behalf of the contracting authority:	Prof. Jiří Homola, Ph.D., DSc.
Contact person:	Milan Vala, MSc.
Phone:	+420 266 773 407
E-mail:	vala@ufe.cz

(hereinafter referred to as the „Contracting Authority“)

**II. Name and description of the tender**

**II.1. Name of the small-scale public tender:**  
**„ Single frequency UV solid state laser for holography “**

**II.2. Description of the object of the small-scale tender:**  
The subject of this small-scale public tender is the supply of a solid-state laser for holography with its output within the blue-violet region of the spectrum according to the requirements in the Annex „ Single frequency UV solid state laser for holography - required technical parameters“.

**III. Place of realization**

Location of realization of the tender: Institute of Photonics and Electronics of the AS CR, v. v. i., Chaberská 57, 182 51 Prague

**IV. Estimated value of tender**

The estimated value of the public tender: 450,000 CZK including VAT

The tender price offered by the applicant must not exceed the estimated value of the tender. In case of a higher price, the candidate will be excluded from the selection process of the tender.





## V. Tender price

The tender price has to be indicated in Czech crowns (CZK) and has to be broken down into the price in CZK without VAT, VAT in percentage, total VAT in CZK, and total price including VAT.

The total price offer will represent the maximum permissible price, including any other costs related to the realization of the small-scale public tender.

## VI. Terms and conditions of processing the tender

Tender offers shall be submitted in a written form in a closed envelope labelled on the closures by the business name of the applicant and a stamp or a signature of the corporate authority of the applicant or a person authorized to act on behalf of the applicant. The envelope will be also labelled with the name of the tender in Czech, i.e. "Jednofrekvenční ultrafialový pevnolátkový laser pro holografii" and will be addressed to the domicile of the Contracting Authority. The deadline for the receipt of tenders is July 31<sup>st</sup> 2014, 11:00 am.

The tender offer must include the applicant's identification data, particularly: business name, address, identification number, a person authorized to act on behalf of the applicant, possibly a person authorized to represent the applicant, and an address for correspondence between the tenderer and the Contracting Authority.

The offer has to be compiled in Czech or in English.

## VII. Criteria for the evaluation of received tender offers

Tender offers will be evaluated based on economic convenience.

The Contracting Authority will accept different variants of offers. Each variant of an offer will be considered separately.

All technical requirements specified in the Annex „Single frequency UV solid state laser for holography - required technical parameters“ are mandatory and if not supported by the offer will be excluded from the selection process.

### Method of evaluation of received tender offers

The tender offer, which receives the highest overall rating, will be chosen.

Partial evaluation criteria	weight [%]
Final price including VAT	90 %
Warranty period	10 %

Final assessment will be given by the sum of the results of separate criteria. Final assessment will be determined by the following formula:

$$Final\ assessment = 10 \times \frac{Offered\ warranty\ period}{Best\ offered\ warranty\ period} + 90 \times \frac{Best\ offered\ price}{Offered\ price}$$





**Institute of Photonics and Electronics AS CR, v.v.i.**  
Chaberská 57, 182 51 Praha 8-Kobylisy  
tel.: +420 266 773 400, fax: +420 284 680 222  
e-mail: ufe@ufe.cz, www.ufe.cz

Applicants are not entitled to condition the offered price in any way. Any differing conditions or having different values of the offered price is reason for withdrawal of the offer and exclusion of the tenderer from the tender selection process. The Contracting Authority will proceed in a similar way in case the offered price is given in a different currency than which the Contracting Authority requires.

#### **VIII. Business conditions**

We require the following conditions as part of the tender:

- a) The candidate provides a warranty period of at least 12 months.
- b) The candidate is required to provide all the required technical parameters of the equipment listed in Annex „Single frequency UV solid state laser for holography - required technical parameters “.

#### **IX. Other conditions**

The Contracting Authority has the right to:

- a) Ask the candidate to clarify the price offer,
- b) Update or clarify the business conditions (while maintaining the basic parameters of the price offer, i.e. the bid price, warranty),
- c) Cancel the public tender procedure at any time during the public procurement procedure at any time without giving any reason prior to tender dispatch,
- d) Amend or supplement the public tender according to preparation needs,
- e) Send a purchase order to the successful tenderer based on the evaluation criteria.

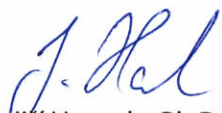
#### **X. Information about the management of the small-scale public tender**

This small-scale contract is not entered as a procurement procedure under the Act No. 137/2006 Coll., On Public Procurement, as amended.

Please find attached the required technical parameters „Single frequency UV solid state laser for holography - required technical parameters“.


Sincerely,

**INSTITUTE OF PHOTONICS AND ELECTRONICS  
ASCR, v.v.i.  
(1)  
Chaberská 57, 182 51 Praha 8, Czech Republic**

  
Prof. Jiří Homola, Ph.D., DSc.  
Director of the Institute

Annex:

1. Single frequency UV solid state laser for holography - required technical parameters



## **Annex 1: Single frequency UV solid state laser for holography - required technical parameters**

Laser type	Diode pumped solid state (DPSS) laser
Mode of operation	Continuous wave (CW)
Operating wavelength	Within 380 nm – 420 nm
Output optical power	At least 30 mW
Mode structure	Transversal mode: TEM <sub>00</sub> or similar Single Longitudinal Mode (SLM)
Coherence length	At least 10 meters
Output beam	Circular, $M^2 < 1.3$
Beam diameter	Less than 1.5 mm
Beam divergence	Less than 1 mrad
Polarization	Linear, at least 100:1
Pointing stability	Better than 10 $\mu$ rad/°C
Temporal stability of the spectral output	Better than 50 MHz per 10 minutes
Warm-up time	5 minutes or less
Built-in optical isolator	Yes
Range of admissible ambient temperatures for operation of the laser	At least 15°C – 35 °C
Temperature stabilization	Yes

