



TECHNICKÁ UNIVERZITA V LIBERCI  
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## Technická univerzita v Liberci / Technical university of Liberec

Studentská 1402/2, 461 17 Liberec

Reg. no.: 467 47 885

### **INVITATION TO TENDERS**

Reference no. 13/9615/014

The contracting authority hereby invites contractors to submit a tender in the following small-scale public contract in proceedings pursuant to Article 6 and 12 par. 3 Act no. 137/2006 Coll., Public Procurement Code (hereinafter referred to as the „PPC“). This public contract is not being awarded pursuant to PPC in accordance with Article 18 par. 5 PPC. The invitation is made in a Czech and English copy.

**Type of public contract:** Public supply contract.

#### **Contracting authority:**

Name: Technická univerzita v Liberci/ Technical university of Liberec  
Address: Studentská 1402/2, 461 17 Liberec  
Reg. no.: 467 47 885  
Represented by: rector

**Name of public contract: 14\_MK\_A Diluter of raw exhaust gas**

**Internal no. of public contract: 13/9615/014**

**Name of project:** MEDETOX (from program LIFE+)

**Reference no. of project:** LIFE10 ENV/CZ/651

#### **Object of the contract and his description:**

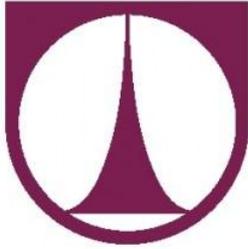
A diluter for dilution of raw exhaust gas of an internal combustion engine at a dynamically variable dilution ratio ranging, at a minimum, from 20:1 to 1000:1, with output of diluted sample suitable as an input to a particle sizer, classifier, counter, or a similar device with inlet flow from 1 to 10 liters per minute.

#### **Detailed requirements:**

The sought diluter must be capable of sampling exhaust gas from all common types and sizes of internal combustion engines, experimental or certified to any emissions standard, running on all conventional, alternative and experimental fuels, with or without aftertreatment. The sample is to be taken at any place downstream of the turbocharger if the engine has one, before or after any aftertreatment device, including a diesel particle filter. The dilution ratio must be adjustable before the test and dynamically during the test. The desired dilution ratio value is to be supplied as analog input and/or any common digital interface (i.e., RS-232 or RS-485), and is to be reached (T90) within one second. The actual dilution ratio or values necessary for its calculation must be signaled via analog output and/or digital interface (as specified earlier). The outflow of diluted

sample must be either maintained passively by the downstream instrument, or actively, and shall be within 1 to 10 liters per minute. The sampling path containing raw exhaust gases must be heated to at least 80 C.





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The device shall not alter the sample in terms of number and size distribution of particles (particle loss, nucleation, coagulation, etc.) more than devices either approved for or commonly used in the Particle Measurement Programme procedure. The diluter must be supplied with any accessories necessary for immediate operation, such as suitable means of attaching to the exhaust system, sampling lines, dilution air filters, pumps, sensors, power supply needed for operation using (a) 9-14 V DC automotive system and (b) 230 V 50 Hz mains, matching set of any electrical connectors used, instruction for use and maintenance, and specification of any digital interface used including a communication protocol.

The price must be the total final price including transportation to TU Liberec and any customs fees and including 2 years warranty. Sales tax or value added tax is to be listed separately in the offer. The manufacturer or supplier must demonstrate delivery of at least 10 units of the type offered. The unit must be delivered and working within 3 months of the award of the contract. Price will be the sole evaluation criterion.

If the documentation for public contract includes trademarks of certain products or supplies, or other names which are related to a particular supplier, it is a case where a description of the object of public contract executed in the contracts specification is not sufficiently precise and intelligible. The use of such reference only defines the expected standard. The applicant is entitled to propose a different, technically and qualitatively similar or better solution.

**Time and place of performance of the public contract:**

Estimated time of performance: 3/2013

Place of performance: Technical University of Liberec, Katedra vozidel a motorů, Studentská 1402/2, 461 17 Liberec.

**Time limit for receipt of tenders:**

A tender can be submitted until **11<sup>th</sup> February 2013 2.00 P.M.**

Tenders submitted after this time limit will be excluded from the proceedings.

**Tenders must be sent to :**

In written form to Technická univerzita v Liberci, Studentská 1402/2, Legal department – public procurement, 6. patro, 461 17 Liberec **or by e-mail to [zakazky@tul.cz](mailto:zakazky@tul.cz).**

If written form is chosen, tenders must be sent in written form, which must be delivered in a properly sealed envelope clearly marked with the contract title „Equipment innovation of the laboratory of robotics“ and the inscription „NEOTVÍRAT!“ (i.e. „DO NOT OPEN!“).

If sent by e-mail, the e-mail must be marked as (in its subject) **TENDER 14\_MK\_A Diluter of raw exhaust gas**. The tender itself must be disclosed in the e-mail's attachment to ensure its opening after the time limit for tender receipt has passed.

**Contact point:**

The contact persons of the contracting authority are Michal Vojtíšek, Ph.D., MSc., technical support in telephone no. + 420 485 353148, on email [michal.vojtisek@tul.cz](mailto:michal.vojtisek@tul.cz) and Mgr. Marie Křelinová, administrative support in telephone no. +420 485 353 270, on email [marie.krelinova@tul.cz](mailto:marie.krelinova@tul.cz).

**Qualification criteria and evidence of their fulfillment:**

Tenderer's Solemn declaration of personal and financial situation (annex no. 1). The solemn declaration is requested only in an English copy, translation to Czech language is not needed by the contracting authority.





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**Estimated value of the public contract** (excluding VAT): 562 500,- CZK

**Maximal value of the public contract** (excluding VAT): 575 000,- CZK

**The method of defining the tender price :**

The tender is obliged to define the tender price in this structure:

price excluding VAT,

VAT,

price including VAT.

Tender price must include **all costs of performance of the public contract** and must be set as maximal and must not be exceeded.

**Tender period (period in which the tenderer is obliged with its tender):** 45 days.

**Other information, which must be included in the tender:**

- delivery time: max. 3/2013.
- warranty: min. 24 months.

**Information about variants :**

Variants will be accepted: No.

**Contract award criteria:**

The lowest price only.

**Tender language:**

The tender must be submitted in **English language**.

**Contract proposal:**

The contracting authority will enter into a contract with the winning tenderer. The draft is enclosed in annex no. 2 (Czech copy) and no. 3 (English copy). **Tender of the domestic tenderer must include the signed contract proposal in Czech language; tender of the foreign tenderer must include the signed contract proposal in Czech and English language.** The contract includes business terms and conditions. The tenderer will fill in the text boxes in accordance with his tender and sign it (by person authorized to sign the contract). The tenderer is not entitled to change any of the contract's provisions.

**Invoice for delivery must be made in Czech crowns! Invoice must include price with VAT and also without VAT.**

**Other requirements for the tender:**

- tender must be made in one original
- the identification data of the tenderer must correspond to the appropriate legal jurisdiction
- the tenderer must state the name and the contact details (including e-mail) of the person responsible for submitting the tender and the person authorized to act on behalf of the tenderer about the tender

- the tender must be delivered in this structure:

1. Text part of the tender,
2. Tender price,





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3. Solemn declaration of personal and financial situation (annex no. 1 – czech for czech speaking, annex no. 2 – english for english speaking) – signed by authorized person,
4. Contract proposal (annex no. 3 and no. 4) – signed by authorized person – both the Czech and English copy for english speaking, czech version only for czech speaking).

One contractor may submit only one tender. The contractor cannot participate in the proceedings more than once, such as joint tender of more contractors submitting another tender or as a subcontractor of another contractor. A subcontractor may be a subcontractor of more contractors.

The contracting authority is entitled to cancel the proceedings before signing the contract, no damages will be paid.

The contracting authority reserves the right in accordance with Article 76 par. 6 PPC **to publish a Notice of decision to exclude a tenderer through publication on the profile of the contracting authority within 5 days of the decision** (web address of the profile: [zakazky.tul.cz](http://zakazky.tul.cz))

The contracting authority also reserves the right in accordance with Article 81 par. 4 PPC **to publish a Decision of the selection of the best tender on the profile of the contracting authority within 5 days of the decision**. In that case notice of the selection of the best tender is deemed to have been sent to all candidates.

***Attachments of this invitation to tenders are downloadable on the profile of the contracting authority on [zakazky.tul.cz](http://zakazky.tul.cz). Please download it.  
For insight into these documents it is not needed to be registered in E-ZAK (electronic profile of the contacting authority).***

In Liberec, January 31, 2013

representing the contracting authority: Mgr. Marie Křelinová

- Annex no. 1 – Solemn declaration of personal and financial situation in Czech language
- Annex no. 2 - Solemn declaration of personal and financial situation in English language
- Annex no. 3 – Contract proposal in Czech language
- Annex no. 4 – Contract proposal in English language

