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## PROCUREMENT DOCUMENTATION

**Name of public contract:** 275\_Ve\_HyHi\_Pyrometr pro vysoké teploty - Pyrometer for high temperatures

**Int. no. of public contract:** 18/9615/275

**Name of program:** Operational Program Research, Development and Education

**Project title:** Hybrid materials for hierarchical structures.

**Registration number:** CZ.02.1.01/0.0/0.0/16\_019/0000843

**Contracting authority:** Technická univerzita v Liberci/Technical university of Liberec

Address: Studentská 1402/2, 461 17 Liberec I-Staré Město

Reg. no.: 46747885; DIČ: CZ46747885

**Represented by:** doc. RNDr. Miroslav Brzezina, CSc., rector

**Contact person:** RNDr. Ivana Večeřová; tel.: +420 485 353 044;

e-mail: zakazky@tul.cz

**Profile of the contracting authority and the electronic tool**

**E-ZAK:** <https://zakazky.tul.cz/>

## 1 Preamble

This tender documentation is a set of documents, information and requirements of the contracting authority defining the details necessary for the preparation and submission of tenders of the participants (hereinafter referred to as the "participant" or "participants") to the above mentioned public contract awarded in the open procedure pursuant to Section 3 b) and Section 56 of Act No. 134/2016 Coll., on Public Procurement, as amended (hereinafter referred to as the "ZZVZ").

At the same time, the contracting authority points out the fact that the tender documentation is a summary of the contracting authority's requirements and not a summary of all the requirements resulting from the generally applicable legal norms to which the tender documentation refers as they are generally known. Therefore, the participant must always comply with the requirements contained in the tender documentation but also with the provisions of the generally binding legal norms, in particular the ZZVZ.

The contracting authority is fully aware that it is responsible for the accuracy and completeness of the award criteria. At the same time, however, in order to avoid subsequent requirements of the selected economic operator on impermissible requirements or changes to the contract, the contracting authority requests the participants, after studying the tender documentation along with its annexes, within the deadline for submitting a request for explaining the tender documentation, to ask the contracting authority relevant questions and give comments in relation to the technical specification and the tender documentation.

If any discrepancies in these documents are identified, the participants will also be able to provide their questions and comments to the contracting authority even after the deadline for submitting a request for explaining the tender documentation. By this measure, the contracting authority monitors the possibility of correcting, supplementing or otherwise modifying the possible discrepancies found in the tender documentation before the expiry of the deadline for submission of tenders in accordance with the provisions of Section 6 of the ZZVZ. Participants are therefore advised in their own interest to check that their tender





price includes all its integral parts (transport, installation, training, commissioning, technical documentation, etc.) when determining the tender price in relation to its completeness and its subsequent non-exceeding.

**The contracting authority points out that the contracting authority must exclude from the procurement procedure a participant that is a joint-stock company or has a legal form similar to a joint-stock company and has issued other than exclusively booked shares according to § 48 of ZZVZ. If the selected economic operator has its registered office abroad and is a joint-stock company or has a legal form similar to a joint-stock company, the contracting authority shall require it to submit an affirmation in writing within a reasonable time limit showing which persons are holders of shares whose aggregate nominal value exceeds 10 % of the registered capital of the participant, and indicating the source on which the information on the amount of the share of shareholders is based; this request shall be considered a request under § 46 of ZZVZ. Abovementioned does not apply to a participant that is a joint-stock company whose shares in the aggregate nominal value of 100 % are owned by the state (i.e. Czech Republic), a municipality or a region.**

## 2 Subject of the public contract

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

**Type of public contract according to the estimated value:** Above-threshold.

### SUBJECT OF THE PUBLIC CONTRACT

#### Pyrometer for high temperatures

##### Minimal technical requirements:

- Contact-less scanning of surface temperature of sample located in the working chamber in the mobile units of the thermo-mechanical simulator Gleeble.
- Location of the measuring device outside the working chamber of the Pocket Jaw and Hydrowedge II units of thermos-mechanical simulator Gleeble 3500.
- Use of device for a minimum temperature range of 600°C to 1800°C or lower temperatures (e.g. from 300°C).
- Required temperature range can be realized by means of one or two pyrometers. In the case of use two pyrometers to cover the temperature range, there is required temperature range of one pyrometer minimal within the range of 600°C (even. lower temperature) to 1300°C.
- The device must be compatible and synchronized with the recording of other measured quantities if device Gleeble 3500. There must be possible to define it in QuickSim2 software.
- The minimum response time of the pyrometer must be 25 milliseconds or lower.
- The device must be capable of scanning temperature with sufficient accuracy even at high heating rates, so that the accuracy of the temperature measurement at heating rate of 1000°C·s<sup>-1</sup> must be less than ± 2,5% and at heating rate of 2000°C·s<sup>-1</sup> must be deviation lower than ± 5%.
- The maximum deviation for repeated measurements shall not be greater than ± 0.3% + 1°C.

**Guarantee:** min. 24 months

##### **Other requirements:**

installation of device at the place of delivery,  
training of operators at the installation site,  
commissioning,





verification of defect-free functioning of the equipment,  
transport to the Purchaser's seat,  
transport fees relating to the return of the empty packaging,  
insurance associated with the supply of the Subject,  
technical documentation,  
conformity declaration,  
user manual in Czech or English  
warranty service.

**CPV kód:** 38413000-3

### 3 Estimated value

**Maximum allowed value of the public contract (excluding VAT): 1 250 000,- CZK**

The offer exceeding the maximum allowed value of the public contract do not meet the award criteria and the contracting authority will exclude a participant from a procurement procedure according to § 48 (2) a) of ZZVZ.

### 4 The method of defining the tender price

The participant is obliged to include the tender price in euro in the tender and in the following structure:

- price excluding VAT in CZK/EUR,
- VAT,
- price including VAT in CZK/EUR,.

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

Tender price must also be determined with taking into account the development of prices in the relevant market, including the development of the exchange rate of the Czech currency to the foreign currencies until the fulfillment of the subject of the public contract.

**If the tender price should be in CZK, the tender price shall be converted in EUR for the purposes of tender evaluation. The exchange rate determined by the Czech National Bank (Česká národní banka) on the last day of the time limit for the submission of tenders will be applied.**

### 5 Time limit and address for receipt of tenders

**Time limit for receipt of tenders:**

**A tender can be submitted until 8th January 2019 to 10:00**

Tender submitted (delivered) after this time limit shall not be considered as submitted and it shall not be taken into consideration during the procurement procedure.

**Tenders must be submitted:**

**In electronic form:** via electronic tool E-ZAK (website <https://zakazky.tul.cz/>).

### 6 Time and place of performance of the public contract

**Delivery term:** 4 months from the date on which the Contract enters into force.





**Place of delivery:** Technická univerzita v Liberci/ Technical university of Liberec, Laboratoř progresivních technologií/ Laboratory of Progressive Technologies, Budova „L“/Building „L“, Bendlova 1409/7, 460 01 Liberec, Czech Republic.

## 7 Qualification criteria and evidence of their fulfillment

In accordance with the ZZVZ, the contracting authority shall establish the following qualification requirements:

- a) Basic qualification,
- b) Professional qualification.

### A. Basic qualification

#### (1) An economic operator shall not be qualified if it

- a) was convicted by final judgement in the country of its registered seat of a crime specified in Annex No. 3 to ZZVZ or another similar crime pursuant to the law of the country of its registered office in the past five years preceding the commencement of the procurement procedure; expunged convictions are disregarded,
- b) has outstanding tax arrears registered in tax records in the Czech Republic or in the country of its registered office,
- c) has outstanding arrears in respect of payments and penalties of public health insurance in the Czech Republic or in the country of its registered office,
- d) has outstanding arrears in respect of payments and penalties of social security contributions and contribution to the national employment policy in the Czech Republic or in the country of its registered office,
- e) is in liquidation, has been declared insolvent, in respect of whom the receivership has been imposed under another legal regulation or it is in a similar situation pursuant to the law of the country of its registered office.

(2) If the economic operator is a legal person, both this legal person and every member of its governing body shall meet the condition specified in paragraph a) of subsection (1). Where a legal person is a member of the governing body of the economic operator, the condition specified in paragraph a) of subsection (1) shall be met by

- a) this legal person,
- b) every member of the governing body of this legal person, and
- c) the person representing this legal person in the governing body of the economic operator.

(3) If a participant in the procurement procedure is a branch of a business of

- a) a foreign legal person, the condition specified in paragraph a) of subsection (1) shall be met by this legal person as well as the head of the branch,
- b) a Czech legal person, the condition specified in paragraph a) of subsection (1) shall be met by the persons referred to in subsection (2) as well as the head of the branch.

The economic operator shall prove that it fulfils the basic qualification requirements in relation to the Czech Republic by submitting

- a) a copy of an entry in the Criminal Records in respect of Section 74 (1) a) ZZVZ,
- b) a confirmation from a relevant tax office in respect of Section 74 (1) b) ZZVZ,
- c) a written affirmation regarding excise duty in respect of Section 74 (1) b) ZZVZ,
- d) a written affirmation in respect of Section 74 (1) c) ZZVZ,
- e) a confirmation from a relevant district social security administration in respect of Section 74 (1) d) ZZVZ,





f) a copy of an entry in the Commercial Register, or a written affirmation in the event that the economic operator is not incorporated in the Commercial Register, in respect of Section 74 (1) e) ZZVZ.

## B. Professional qualification

The economic operator shall prove its professional qualification in relation to the Czech Republic by submitting a copy of an entry in the Commercial Register or other similar records provided that registration in such records is required pursuant to another legal regulation.

## C. Summary

According to the abovementioned conditions, the participant must prove the fulfilment of qualification requirements either with an Affirmation (Annex P2) which replaces the qualification documents or the following documents (**in relation to Czech Republic**):

- a) a copy of an entry in the Criminal Records in respect of Section 74 (1) a) ZZVZ,
- b) a confirmation from a relevant tax office in respect of Section 74 (1) b) ZZVZ ((issued under the law of the country in which the economic operator has its seat and issued by ),
- c) a written affirmation regarding excise duty in respect of Section 74 (1) b) ZZVZ,
- d) a written affirmation in respect of Section 74 (1) c) ZZVZ,
- e) a confirmation from a relevant regional social security administration in respect of Section 74 (1) d) ZZVZ,
- f) a copy of an entry in the Commercial Register, or a written affirmation in the event that the economic operator is not incorporated in the Commercial Register, in respect of Section 74 (1) e) ZZVZ,
- g) a copy of an entry in the **domestic or Czech** Commercial Register or other similar records provided that registration in such records is required pursuant to another legal regulation , in respect of Section 77 (1) ZZVZ,
- h) or eventually other required documents if the economic operators participates in the procurement procedure jointly or proves qualification through other persons, if it is a foreign participant, if it is registered in the List of Approved Economic Operators or if it has a certificate from the System of Certified Economic Operators.

## D. Common provisions governing qualification

### I. The List of Approved Economic Operators and the System of Certified Economic Operators

Participants registered in the List of Approved Economic operators (Section 226 and following of ZZVZ) can prove the fulfillment of qualification requirements with the extract from the List provided that on the last day on which the basic qualification or professional qualification is to be proved, the extract is not older than three months.

Participants who were issued certificates under the System of Certified Economic Operators (Section 233 and following of ZZVZ) can prove the fulfillment of qualification requirements or their certain part by submitting a valid certificate to the extent recorded in the certificate.

### II. Proving of qualification obtained abroad

Where qualification has been obtained abroad, it shall be proved by documents issued under the law of the country in which it has been obtained. This document shall be submitted along with its translation into Czech language. A document in Slovak language and a certificate of education in Latin language shall be submitted without a translation. Where pursuant to the relevant legal order the required document is not issued, it may be substituted by an affirmation.

This affirmation must declare the absence of the required document in accordance with the relevant legislation and its own declaration of fulfillment of the requirements that would otherwise have been proved by the relevant document (e.g. a declaration of absence of a criminal record Register and the fact that the economic operator was not punished).





### III. Qualification in the case of joint participation of economic operators

In the case of joint participation of economic operators, the basic and professional qualifications pursuant to Section 77 (1) ZZVZ (a copy of an entry in the Commercial Register) shall be proved by each economic operator separately.

#### E. The Validity and the form of the qualification documents

The documents demonstrating basic qualification under Section 74 ZZVZ and professional qualification under Section 77 (1) ZZVZ shall demonstrate the fulfilment of the required qualification criterion not later than three months before the date of the commencement of the procurement procedure. The economic operator shall submit copies of the relevant documents.

**Before the contract is concluded**, the contracting authority shall always request the selected economic operator **to submit the originals or certified copies of the qualification documents**, unless they have already been submitted during the procurement procedure.

## 8 Award period

The contracting authority does not set an **award period**.

## 9 Other requirements for the tender

### 1. Electronic form of the tender

Where an economic operator submits a tender via electronic tool E-ZAK the rules set out in Section 211 of the ZZVZ must be observed.

### 2. Structure of tender

- A. Cover sheet (annex P1)
- B. Affirmation of the fulfillment of the basic and professional qualification criteria (annex P2)
  - signed by authorized person/ or the documents demonstrating fulfillment of basic qualification under Section 74 ZZVZ and professional qualification under Section 77 ZZVZ,
- C. Completed contract proposal (annex P3)
- B. Description of the subject of the public contract (technical specification demonstrating compliance with the requirements of the contracting authority) including the tender price.

The economic operator may submit in the procurement procedure only one tender. The economic operator which has submitted a tender in the procurement procedure shall not be at the same time a person through which another economic operator proves qualification in the same procurement procedure. The contracting authority shall exclude a participant which has submitted several tenders either separately or together with other economic operators or a participant which has submitted a tender and is at the same time a person through which another economic operator proves qualification in the same procurement procedure.

## 10 Information about variants

Variants will be not accepted.

## 11 Tender language

The tender must be submitted **either in Czech or in English**.

Annex P1 – Cover sheet is bilingual, (Czech and English),  
Annex P2 - Affirmation of the fulfillment of the qualification is bilingual, (Czech and English),  
Annex P3 – Contract is bilingual (Czech and English), contractor has to fill in the text boxes in both languages.







## 12 Business and payment conditions

### Business conditions:

Business conditions are included in contract proposal (annex P3).

### Payment conditions:

Payment conditions are included in contract proposal (annex P3).

The participant will fill in the text boxes in accordance with his tender and shall attach to the tender.  
The participant is not entitled to change any of the contract's provisions to the detriment of the contracting authority.

## 13 Technical specification

Technical specification means requirements for the properties of the subject of the public contract. The technical specification is listed above in the specification of the subject of the public contract.

## 14 Evaluation criteria

Tenders will be evaluated on the basis of their economic advantageousness.

The economic advantageousness of tenders will be evaluated on the basis of the most advantageous price-quality ratio

### Evaluation criteria:

#### 1. Total tender price 70 %

**Tender with the lowest price will be considered the best**

The calculation of the percentage points to be assigned to the evaluated tender will be made according to the formula:

$$\frac{\text{the lowest tender price in CZK without VAT}}{\text{evaluated tender price in CZK without VAT}} \times 70$$

#### 2. Technical merit 30 %

Within the technical level, the contracting authority will evaluate a single parameter, which will be the temperature range of the device.

The contracting authority assigns a set number of points for the temperature range of the device according to the following values:

300°C – 2000°C	5 points
400°C – 2000°C	4 points
500°C – 2000°C	3 points
600°C – 2000°C	2 points
600°C – 1900°C	1 point
300°C – 1800°C	3 points
400°C – 1800°C	2 points
500°C – 1800°C	1 point

The temperature range of the equipment will be specified by the supplier in the cover sheet (see Annex P1)





**Tender with the highest number of points will be considered the best**

The calculation of the percentage points to be assigned to the evaluated tender will be made according to the formula:

$$\frac{\text{number of points of the evaluated tender}}{\text{number of points of the best tender}} \times 30$$

**Overall rating:** Percentage points, obtained within the particular evaluation, rounded to 1 decimal place, will be added together. Tender with the highest number of percentage points will be considered the best.

## 15 Explanation of tender documentation

Requests for an explanation of tender documentation must be received in writing via electronic tool E-ZAK (<https://zakazky.tul.cz/>) or email [zakazky@tul.cz](mailto:zakazky@tul.cz). The request must be received by the contracting authority no later than **8 labour days** before the deadline for submission of tenders. If the contracting authority provides an explanation upon a request that has not been delivered in time, it is not obliged to observe the time limits under subsection 98 (1) ZZVZ.

The contracting authority may explain the tender documentation without an economic operator's request.

## 16 Opening of tenders

Electronic tenders will be opened in accordance with Section 109 ZZVZ.

## 17 Other conditions and reserved rights

- The contracting authority is entitled to set aside the award procedure before signing the contract in cases defined in Section 127 ZZVZ.
- Costs of drawing-up a tender will not be reimbursed by the contracting authority. Submitted tenders will not be returned.
- The contract will be published in the Register of contracts if the conditions for publishing in accordance with Act no. 340/2015 Coll. (on Register of contracts) are met and eventually on the contracting authority's profile in accordance with ZZVZ.

In Liberec 7/12/2018

On behalf of the contracting authority: RNDr. Ivana Večeřová

*Annex P1 – Cover sheet*

*Annex P2 - Affirmation on basic and professional qualification criteria*

*Annex P3 – Contract proposal*

