



**Above-threshold public contract for supplies**

**”EURO\_IT4I Supercomputer”**

**Contracting Authority:**

**VŠB – Technical University of Ostrava**

Registered office Ostrava – Poruba, 17. listopadu 2172/15, Postal code: 708 00,

Company Registration Number: 61989100,

Represented by prof. RNDr. Václav Snášel, CSc., Rector,

Profile of the Contracting Authority: <https://zakazky.vsb.cz/>

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**INVITATION TO THE PRELIMINARY MARKET CONSULTATION**

Pursuant to Section § 33 of Act No. 134/2016 Coll., on Public Procurement, as amended (hereinafter referred to as “PPA”)

VŠB – Technical University of Ostrava, registered office Ostrava – Poruba, 17. listopadu 2172/15, Postal code: 708 00, Company Registration Number: 61989100, as the Contracting Authority for the public contract titled

**”EURO\_IT4I Supercomputer“**

hereby invites the Economic Operator

**to participate in the preliminary market consultation.**

## 1. General information

The Contracting Authority, pursuant to Section 33 of the PPA, announces that it shall conduct preliminary market consultations (hereinafter referred to as “PMC”) regarding the procurement of a Petascale supercomputer. The objectives are to inform the Economic Operator about the Contracting Authority’s needs, and to gather the Economic operator inputs, feedback, and information regarding the supercomputer in order to lay down the award criteria. The Contracting Authority invites the Economic Operator to participate in the PMC.

In order to gather relevant information about the subject matter of the upcoming public contract, and to prevent the award criteria from being determined in a manner which is discriminatory, inadequate, or non-standard on a given market, the Contracting Authority plans to use the PMC to achieve the following:

- validation of the public contract award criteria with respect to the needs of the Contracting Authority and the market opportunities,
- identification of possible alternative ways of meeting the needs of the Contracting Authority, and
- enhancement of the Contracting Authority's awareness of the subject matter of the public contract and the latest market opportunities and potential specific criteria of performance when viewed by the Economic Operators.

The Contracting Authority has set up a preliminary set of requirements regarding the intended Petascale supercomputer and aims to find an optimal way fulfil the needs. Information about the subject matter of the public contract performance can be found in **Annex 1** of this invitation.

Beyond the requirements set out in **Annex 1** the Contracting Authority provides with further information relating to the subject matter of the subsequent public contract.

The estimated value of the procurement is EUR 15 million excl. VAT.

The Contracting Authority shall request a proof of:

- the basic qualification pursuant to Section 74 PPA
- the professional qualification pursuant to Section 77 PPA
- the technical qualification pursuant to Section 79 PPA

Technical qualification criteria will be set as a list of significant supplies provided by the Economic Operator. The extent of the significant contract shall be similar to the subject matter of the subsequent public contract.

## 2. Expected timeframe

Preliminary market consultation	07/2019
Public procurement procedure	01/2020
Contract award	05/2020
Delivery and acceptance	10/2020

### 3. Legal framework

The PMC, as well as the subsequent public procurement, will be carried out by the Contracting Authority with the participation of the EuroHPC JU<sup>1</sup>, subject to the legal order of the Czech Republic according to the Act no. 134/2016 Coll. on Public Procurement (hereinafter referred to as “PPA”). The PPA is attached as **Annex 3**.

Furthermore, the Contracting Authority informs the Economic Operator that the subject matter of the public contract shall be procured within the project: “IT4Innovations national supercomputing center – path to exascale” (project no. CZ.02.1.01/0.0/0.0/16\_013/0001791) within the Operational Programme Research, Development, and Education

### 4. Preliminary market consultation conduct

The PMC will be carried out in the English language. The subsequent public procurement procedure will also be conducted in the English language.

#### 4.1 Petascale supercomputer design

The Contracting Authority requires the Economic Operator to submit their Petascale supercomputer proposal by **26<sup>th</sup> July 2019** via e-mail to the following address: [Superpocitact4I@vsb.cz](mailto:Superpocitact4I@vsb.cz).

The Petascale supercomputer proposal shall contain a technical solution design for the public contract subject matter, based on the information contained in **Annex 1** of this invitation. The proposal of the design of the Petascale supercomputer, structured according to **Annex 2**, shall contain at least:

- The design of the Petascale supercomputer technical solution, in particular compute partitions, high speed compute network, data storages, non-compute nodes, networks, power and cooling equipment as well as a software solution.
- Indicative parameters of the designed solution – in particular the performance and capacity parameters of the solution, and power consumption.
- A description of the supercomputer cooling system.
- A description of the functionality and properties of the designed solution.
- A description of the reliability and availability of the designed solution.
- The estimated time availability of the proposed technologies.
- Comments, ideas and propositions regarding the information contained in Annex1, possibly including an introduction of an alternative design along with justification of the difference with respect to Annex 1.
- A proposal for warranty and maintenance services.
- Estimated financial costs associated with procuring the proposed Petascale supercomputer.

Where the final procurement documents contain information that has resulted from the PMC, pursuant to Section 36 Subsection 4 of the PPA, the Contracting Authority will mark such information in the procurement documents, identify the persons who have taken part in the PMC, and provide all essential information that was the subject of the PMC. In the context of the above-mentioned

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<sup>1</sup> The EuroHPC Joint Undertaking is a 1 billion Euro joint initiative between the European Union and European countries to develop a World Class Supercomputing Ecosystem in Europe.

requirements for the Petascale supercomputer proposal and of the mentioned provision of Section 36 Subsection 4 of the PPA, the Contracting Authority shall give notice that the procurement documents shall include only such information that shall be clearly substantiated and justified by the Contracting Authority.

Only those Economic Operators who submit their Petascale supercomputer proposal within the required period and to an adequate extent will be included in the PMC.

Within the required period for submission of the Petascale supercomputer proposal, Economic Operators are allowed to submit e-mail inquiries about the technical requirements specified in Annex 1 of this invitation, or about other terms and conditions included in this invitation. The Contracting Authority shall answer these inquiries via e-mail. All inquiries along with answers will be published on the Contracting Authority's profile website.

#### **4.2 Further conduct of the preliminary market consultation**

Based on the received proposals, the Contracting Authority shall carry out re-evaluation of the technical requirements, and modify Annex 1 accordingly. The modified Annex 1 of the PMC will be provided to the participants, along with an invitation to amend the Petascale supercomputer proposals and/or provide further inputs. This procedure may be repeated up to the point where the Contracting authority achieves the goals laid down in Section 1.

The Contracting Authority reserves the right to conduct the PMC via written electronic communication means (e.g., e-mail, REDMINE communication system), teleconference, or by means of personal negotiations with individual Economic Operators.

Not only minutes but also audio-visual or sound recordings shall be taken from all personal as well as teleconference discussions. Prior the commencement of each negotiation, the Contracting Authority shall seek the consent of the Economic Operator to take such a recording.

In Ostrava on

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**VŠB – Technical University of Ostrava**  
prof. RNDr. Václav Snášel, CSc.

#### **Annexes:**

Annex 1 – Technical requirements specification for EURO\_IT4I system

Annex 2 – EURO\_IT4I Supercomputer Proposal

Annex 3 – Act no. 134/2016 Coll., on Public Procurement