INVITATION TO SUBMIT BIDS

1. Identification of the Contracting Authority:

Name:	Fyzikální ústav AV ČR, v. v. i. (Institute of Physics)
Seat:	Na Slovance 1999/2, 182 00 Praha 8
Identification No.:	68378271
Tax ID:	CZ68378271
Authorized representative:	RNDr. Michael Prouza, Ph.D. – Director
Contact person:	Vladimír Levandovský
E-mail:	levandovsky@fzu.cz
Deputy contact person:	Mgr. Václav Kafka
E-mail:	kafkav@fzu.cz

2. Name and description of the public contract

2.1. Name of the public contract:
”Supply of a NiTiHf alloy powder“

2.2. Type of public contract: a small-scale public supply contract

2.3. This tender procedure is not a tender procedure within the meaning of Section 31 of Act No. 134/2016 Coll., on the award of public contracts, as amended, and is governed by the rules of the project Ferroic Multifunctionalities (FerrMion), reg. number CZ.02.01.01/00/22_008/0004591, financed from the Johannes Amos Comenius Operational Programme (OP JAK).

2.4. Classification (CPV) of this Public Contract corresponds to item: 14620000-3 – Alloys (BA14-1 – Powder)

3. The deadline for submission of bids

The deadline for submission of bids expires on **24th November 2026 by 11:00 am**.

4. Description of the subject of the public contract

The subject of this public contract is a supply of a Ni50.6Ti29.4Hf20 (at.%) shape memory alloy powder intended for laser powder bed fusion (LPBF). The powder shall meet all technical requirements listed below.

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Technical requirements

Item	Technical requirement
Alloy composition	Ni50.6Ti29.4Hf20 (atomic ratio, at.%)
Expected powder yield	Approximately 4.5–5.5 kg, subject to the actual production yield
Intended application	Laser powder bed fusion (LPBF)
Powder morphology	Spherical particles with minimal or no satellite particles
Particle size distribution	Narrow particle size distribution (PSD)
Preferred particle size range	15–45 µm
Oxygen content	O < 700 ppm
Nitrogen content	N < 100 ppm
Carbon content	C < 200 ppm
Additional requirements	Homogeneous chemical composition, good flowability and satisfactory powder-spreading behavior

Bidders must always comply with technical requirements stipulated herein; should a Bidder fail to comply with these, they shall be excluded from further proceedings. Bidders are obliged to prove guaranteed technical parameters to the Contracting Authority as specified herein, i.e. Bidders shall submit a detailed technical specification of the offered solution containing the guaranteed achievable parameters, which must demonstrate compliance with the minimum technical parameters specified above in the Czech or English language (other language mutations will not be admissible).

Delivery of off-size powder

The remaining alloy powder with a particle size distribution outside the required range (15–45 µm) shall also be delivered to the contracting authority.

5. Term and place

Latest completion time: within **6 months** from the date of conclusion of the Contract

Place of Performance: Fyzikální ústav AV ČR, v.v.i., (Institute of Physics AS CR), at Na Slovance 1999/2, 182 00 Praha 8, Czech Republic

6. Anticipated value of the public contract

Anticipated value of the public contract: **1 200 000 CZK excl. VAT**

(approximately 49,300 EUR - current mid-market exchange rate of 24.34 CZK/EUR)

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7. Structure of the Bid price

Bidders are obliged to specify the total Bid price for the subject of performance according to the required specifications. The Bid price must include the entire subject matter and shall represent a fixed, binding amount as the maximum amount and maximum admissible price, including all fees and other costs that may be associated with the performance provided hereunder, such as transportation to the place of performance, packaging, customs duties, insurance costs, etc.

The Bid price is to be quoted in **EURO excl. 21 % VAT**. Bidders shall indicate the Bid price to the Cover sheet (**Annex No. 1** hereto) and also to the draft contract (**Annex No. 2** hereto). In case different data is provided, the data in the draft contract shall be binding.

The Contracting Authority allows an advance payment of up to a maximum of CZK 850,000 **(approx. EUR 35,000) incl. VAT**, payable in 2026.

8. Conditions and requirements for bid preparation

Bids shall be submitted either in **electronic** form only or in **paper** form only.

The bids in electronic form shall be submitted within the time limit for the submission of bids using the certified electronic tool **E-ZAKAZKY** available at http://www.e-zakazky.cz (hereinafter referred to as **"E-ZAKAZKY"**), where also detailed instructions for its use are available (link "Manual for the supplier" in the footer - https://e-zakazky.cz/Content/files/ManualSupplier.pdf) as well as user support contacts. In order to submit a bid in electronic form, the bidder must be registered as a supplier in the electronic tool **E-ZAKAZKY** (link “supplier registration” on the website https://e-zakazky.cz/registrace-dodavatel) and the bidder's user must have the appropriate user authorization. Registration takes up to 3 working days after submission of all required documents and registration is free of charge. The bidder must have a personal computer with normal performance for office use, an Internet connection and an Internet browser installed (e.g. Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, etc.). The individual file that is included in the electronic bid must not exceed 100 MB. The bid must be processed using acceptable file formats, i.e. Microsoft Office (Word, Excel), Open Office, PDF, JPEG, GIF, or PNG. The Bid price will also be submitted by the bidder in the form of an inscription into the tender form, which will be displayed when the bid is submitted electronically. This is without prejudice to the obligation to submit other documents containing the Bid price.

The bids in paper form shall be submitted in duly sealed envelopes bearing the name and the address of the bidder’s company on the overleaf and secured against tampering. The envelope must be clearly marked **“Do not open”** and with the name of the public contract, i.e. **“Supply of a NiTiHf alloy powder”**. Bids shall be submitted to the address of the Contracting Authority (**Fyzikální ústav AV ČR, v. v. i., Na Slovance 1999/2, 182 00 Praha 8, Czech Republic**) – filing room on the ground floor next to the main entrance (the main entrance is in the Pod Vodárenskou věží Street at No. 1). Bids may be submitted using postal services, courier or personal delivery and similar. **The filing room’s office hours are 8:00 am – 3:00 pm on business days, and on the last day of the deadline 8:00 am to 11:00 am.**

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Bidders shall submit the bid in one hardcopy original and in electronic form on a suitable data carrier, i.e. CD-ROM or flash disk, in MS Office or PDF compatible format.

The bid may be prepared in the Czech or English language.

The bid must include:

- **Cover sheet** setting out the basic identification data of the Bidder (business name, registered office, identification number, legal form, persons authorized to act on behalf of / represent the bidder) and the data for evaluation (Bidders can use Annex No. 1 hereto),
- filled **draft contract** with the bid price and technical description of the offered Equipment demonstrating that it meets the required specification (Bidders can use Annex No. 2 hereto),
- **description of the subject of performance** of the Public Contract - the Bidder shall prepare and submit a document describing the actual subject of performance of the Public Contract and demonstrating that the Contracting Authority's requirements are met,
- **documents proving fulfilment of the qualification** (Bidders can use Annex No. 3 hereto) - Bidders must demonstrate the fulfilment of technical qualification within the deadline for submission of bids. Fulfilment of the technical qualification will be demonstrated by a Bidder, who submits a list with **a minimum of 3 supplies of titanium powder or its alloys over the past 3 years** before the commencement of this Procurement Procedure, including price (at least **10,000 EURO** excl. VAT) and date of delivery and the identification of customer of the supply (supplies).

9. Evaluation criteria

The bids will be evaluated on the basis of their economic advantageousness. The Contracting authority shall evaluate the economic advantageousness solely on the basis of the **lowest bid price**, provided that the submitted bids meet all specified requirements. The winning bid will be the bid with the lowest bid price.

The method of evaluation:

The contracting authority will evaluate the total bid price in EURO without VAT, processed in accordance with Article 7 hereto. The contracting authority shall rank the bids according to the quoted bid price from the lowest to the highest, thereby producing the resulting order of bids.

10. Business terms and conditions

All commercial terms (incl. payment terms) are included in the draft purchase contract, which forms and an integral part hereof as **Annex No. 2** hereto. Bidders are required to accept the contract proposal without reservation and without change; bidders are only entitled to complement their identification data, data on the bid price and any other clearly marked data.

11. Additional conditions

The Contracting Authority does not allow variants of bids.

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The Contracting Authority has the right to:

a. require further explanations to the bid in the case of confusion,

b. verify the data declared by the bidder,

c. publish the announcement of the selection of the most suitable bid and possibly also announcement of the exclusion of a bidder or announcement of the cancellation of the award procedure on the contracting entity profile at: http://www.e-zakazky.cz/Profil-Zadavatele/74e987e1-b4a1-4571-b8b6-2cd93fe6f932; in such a case, the notice of the selection of the most suitable bid and note of exclusion of a bidder shall be considered to be delivered to all bidders concerned at the point of time of publication on the contracting entity profile,

d. enter into a contract with the bidder, whose bid has been evaluated as the most suitable; if the selected bidder refused to enter into a contract, the Contracting Authority has the right to enter into a contract with the bidder, whose bid has been evaluated as the second most suitable, etc.

12. Provision of additional information

Bidders are entitled to require the Contracting Authority in writing to provide additional information on the tender conditions relating to the public contract. The request must be received by the Contracting Authority no later than 4 working days before the deadline for submission of bids.

The Contracting Authority shall send an explanation of the tender conditions, or any related documents, no later than 2 working days after receipt of the request under the previous paragraph.

The Contracting Authority may also provide an explanation of the tender conditions without prior request.

The Contracting Authority may amend or supplement the tender conditions before the deadline for submitting bids. The Contracting Authority shall extend the time limit for the submission of bids, provided that the nature of the addition or change of the tender conditions so requires. In the event of such an amendment or addition to the tender conditions, which may extend the range of potential bidders, the Contracting Authority shall extend the time limit to at least its original length.

13. Conclusion

The information and data contained in this Invitation (including Annexes) define mandatory requirements of the Contracting Authority on the subject of the public contract. The bidder has to respect and accept these requirements fully and unconditionally when processing the bid. Non-acceptance of the requirements specified in this Invitation (including Annexes) will be considered a breach of the terms.

If this Invitation (including Annexes) mentions trade names of some products or supplies, or other signs pertaining to a particular supplier, it is only a definition of quality standard and

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the bidder is entitled to propose different, qualitatively and technically comparable solutions.

Annexes:

1. Cover sheet
2. Draft purchase contract
3. List of major supplies

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