

NOVEL DOMESTIC BATTERY GRADE LITHIUM CARBONATE VALUE CHAIN FOR GREEN LIFE – Li4life

Mining and Metallurgy Institute Bor – MMI Bor

Number: 1366/25

Date: 11.06.2025.god.

In Bor, Republika Srbija

BIDDING INVITATION FOR THE PROCUREMENT OF EQUIPMENT FOR SCIENTIFIC AND TECHNOLOGICAL TESTS

- 1. Name, address and website of the ordering party:** Mining and Metallurgy Institute Bor, Bor, Albert Ajnstajn 1, website: www.irmbor.co.rs
- 2. Place and date of announcement of the Call:** Bor, 11.06.2025. on the website of the Mining and Metallurgy Institute Bor;
- 3. Type of Client:** Scientific and Research institution;
- 4. Subject of Procurement:** Additional equipment for the Li4Life Project
Purpose: Mining and Metallurgy Institute Bor is a participant in the Project Novel Domestic Battery Grade Lithium Carbonate Value Chain for Green Life - Horizon Europe. For the needs of the Project, as well as the realization of the obligations and tasks of MMI Bor as a member of the Consortium, technological tests will be carried out for which the following additional equipment is necessary, which is stipulated in the Grant Agreement:

4.1. Rotary furnace for reduction frying

Technical specification: It is necessary that the furnace has 4 independent heating zones. The total length of the heating zones should be 2000mm or 500+1000+500mm. All heating zones should have the possibility of independent heating. The temperature in the frying (reduction) zone should be 1100°C. The pipe in which the frying will be done should be metal resistant to the given temperature, with a diameter of 100-120mm, the inner diameter of the pipe should be 100-110mm. It is necessary that the furnace has the ability to tilt about 15 degrees in relation to its axis of rotation, as well as the ability to adjust the tilt. Also, the furnace should rotate with a rotation speed of 1-20 turnovers/min and the ability to adjust the number of turnovers. It is necessary that the furnace has a system for batching the material to be fried, that the system has good sealing in order to ensure an inert atmosphere around the material because the material is inducted into the frying zone where reducing gases are inducted, for which it is also necessary to ensure an inert atmosphere for safe work. This system should have a hopper shaker provided to prevent material from jamming. It is necessary that the furnace has a system or systems for the induction of gases for reduction and the possibility of measuring the flow. The furnace should also contain a system for receiving the roasted material. That system should also be in an inert atmosphere. At the exit from the furnace, it is necessary to install an opening for the removal of gases through the gas washing system. All

systems, since they are in an inert atmosphere, must have inert gas supplies and good sealing in each segment.

4.2. Zeta-Meter-System with accompanying equipment for measuring the zeta potential during the flotation of mineral raw materials

Technical specification

1. The possibility of direct video recording-displaying the results of zeta potential measurement,
2. The possibility of measuring the zeta potential of colloidal particles of ores and minerals,
3. The possibility of excluding the human factor when measuring the zeta potential,
4. Electrophoretic Cell,
5. Molybdenum Anode,
6. Platinum Cathode,
7. Electrode Leads,
8. USB Adapter,
9. Temperature Probe,
10. Software for data reading.

5. Place of equipment delivery:

- For the equipment from point 4.1.: Mining and Metallurgy Institute Bor, Republic of Serbia
- For the equipment from point 4.2.: Equipment Supplier's place

6. Criterion, elements of the criteria for awarding the Contract: the lowest offered price and quality of the device

7. Method of obtaining the Invitation with conditions, i.e. the internet address where the Invitation is available: The Invitation with conditions can be downloaded in electronic format on the ordering party's website <https://irmbor.co.rs/projekti/medjunarodni-projekti/novel-domestic-battery-grade-lithium-carbonate-value-chain-for-green-life/>

8. Constituent elements of the offer must be:

- Identification details of the Bidder / Excerpt from the register of the country in which the Bidder has its headquarters;
- A price stated separately for the equipment listed in item 4.1., based on CIP Bor parity, including training costs for 3 Institute employees at the supplier's location and transport costs to Bor; and a price for the equipment listed in item 4.2., given at the supplier's location.
- **Delivery** deadline for the equipment subject to procurement (item 4 of this invitation): maximum 90 days from the date of Contract signing;
- **Terms** and method of payment:
 - **For the Equipment under item 4.1. :**
 - 50% in advance after signing the Contract and ,
 - 35% based on the supplier's invoice after training, testing, and verification of the equipment by the MMI team at the manufacturer's site.
 - 15% based on the supplier's Invoice after receipt of the equipment at the MMI premises in Bor.

For the equipment from point 4.2. :

- 100% based on the Supplier's Proforma Invoice before the delivery of the equipment.
- Offer validity period (option validity): 30 days.

9. Method and deadline for submitting the offer:

The Bidder shall submit the offer with all required elements electronically to the email address: offers@irmbor.co.rs

The final deadline for submitting the offer is June 30, 2025, by 12:00 PM.

10. Language of the Offer: English or Serbian

11. Opening of bids - place and time: Mining and Metallurgy Institute Bor, 1 Albert Einstein Street, June 30, 2025, at 1:00 PM

12. Deadline for decision-making:

5 days from the date of opening of the Offers..

13. Notice to Bidders:

- The Contracting Authority is publishing an Invitation to submit offers for the purposes of implementing the Li4life MMI Bor Project within the European Union program HORIZON EUROPE.
- The Contracting Authority reserves the right to cancel the announced procurement at any time (before the opening of offers, during the evaluation process, or during the decision-making phase), and up until the decision on the selection of the most favorable offer, without providing any specific explanation..
- In the case of a single Bidder, the Contracting Authority reserves the right to cancel the procurement process and/or to evaluate the Offer and make a Contract award decision if the Offer is submitted on time, is not rejected due to material deficiencies, is appropriate, and does not limit or condition the rights of the Contracting Authority or the obligations of the Bidder under the laws of the Republic of Serbia.
- The costs of preparing and submitting the Offer shall be borne by the Bidder.
- The regulation of the relationship between the Ordering Party and the selected Bidder will be specified in the Contract.

Chairman of the Equipment Procurement Committee
Sladko Mihajlović, dipl.ecc.

