

October 21, 2024

## Bid Notice

### < RFP No. 20241022086-00 / B20240416-01 >

Korea Aerospace Research Institute (KARI) invites sealed bids from eligible Bidders for the Multi-material topology optimization for light weight design of electric engine.

The following is an outline of the requirements, and potential Bidders are requested to carefully review following instructions and to submit their Proposals in accordance with the guidelines and requirements of this Bid Notice.

#### 1. Main Scope

- Item: Multi-material topology optimization for light weight design of electric engine (Re-bid)
- Allocated Budget: **KRW 25,000,000**
- Method of Contract: a two-step simultaneous competitive bid (lowest bid price) under Article 18 of ENFORCEMENT DECREE OF THE ACT ON CONTRACTS TO WHICH THE STATE IS A PARTY (hereinafter "the Decree")

#### 2. Qualification of Bidders

- Bidders shall be qualified under Article 12 (Requirement to Participate in Competitive Tender by Law) of the ENFORCEMENT DECREE OF THE ACT ON CONTRACTS TO WHICH THE STATE IS A PARTY of Republic of Korea, and shall not be restricted by the provisions of Article 76 (Restrictions on Qualification for Participation of Dishonest Business Operators in Tendering Procedure) thereof.
- Bidders shall have knowledge and direct experience Multi-material topology optimization for light weight design of electric engine as described in the RFP. Bidders shall have similar or related project records for the Work as of Bid closing date.
- Bidder shall be in possession of all the necessary licenses, in effect as of Bid Closing Date, required for the Multi-material topology optimization for light weight design of electric engine as described in this RFP.
- The qualifying statement for requirements and supporting materials shall be provided in the proposal. Additional qualifying evidences may be requested to substantiate Bidder's claim during the evaluation.
- The qualification of Bidders is solely up to the KARI evaluation committee's decision, and unsuccessful Bidders shall not raise any objection regarding the KARI evaluation committee's decision thereupon.

#### 3. Submission of Proposal

- Printed A4 seven (7) technical proposals (one (1) original and six (6) copies, soft copy (a readable document (PDF preferred) in USB without price proposal)) and one (1) price proposal hand-carried or sent via registered courier service to KARI personnel or his designee within before Bid Closing Date and Time. If submitted by a deputy, she/he shall submit the power of attorney and a copy of his identification.
- The Bid currency is KRW but other currency could be accepted.
- **Bid Closing Date and Time: October 31<sup>st</sup>, 2024 15:00 Korean Local Time**
- Bid opening and declaration of Successful Bidder: To be informed to bidders

✂ **The proposal submitted after the designated date and time shall be considered as invalid.**

#### 4. Bid Bond

- Bidder shall establish a bid bond in favor of KARI **before the Bid Closing Date and Time.**
- The total amount of the bid bond shall be at least five (5) percent of total bid value and shall be valid for at least three (3) months from the Bid Closing Date and Time.
- The bid bond currency is KRW but other currency could be accepted.
- The bid bond shall be issued by the Seoul Guarantee Insurance Company in the form of a surety bond or by

first class international bank in the form of an irrevocable letter of credit and advised through “Woori Bank” (Daejeon Branch at 29 Munye-ro, Seo-gu, Daejeon, 35241 Korea, Tel:+82-42-488-9704, Ext.312, e-mail: 4180725@wooribank.com) or cash or other means of guarantee acceptable to KARI. The bond shall be available by KARI’s request on the Seoul Guarantee Insurance Company or by KARI’s draft at sight drawn on the bank, accompanied by the statement of KARI stating **that Bidder has refused to enter into a contract with the terms and conditions in the proposal as amended, if any, that Bidder has hindered the fair bidding by fraud or misrepresentation, or that Bidder has withdrawn its Proposal after the Bid Closing Date.**

- The bid bonds will be released to unsuccessful Bidders at the time of contract award, and to Successful Bidder at the request of such Bidder when the purpose of the security is achieved, without interest.
- For cash deposit:

Beneficiary’s bank including address	Woori Bank, Daejeon Banking Center, located at 1495, Doosan-dong, Yuseong-gu, Daejeon, Republic of Korea
SWIFT Code	HVBKRR SEXXX
Beneficiary’s Name (Account Holder)	Korea Aerospace Research Institute
Account Number	1081-600-247322

## 5. Acceptance/Rejection of Bids

- KARI reserves the right to accept or reject any Bidding, and to amend the Bidding process and reject all Bidding at any time prior to the award of the Contract without thereby incurring any liability to the affected Bidder(s), nor is KARI under any obligation to inform the affected Bidder(s) of the ground for its action.

## 6. Selection of Successful Bidder

- Amongst Bidders who received eighty (80) points or higher in technical evaluation out of one hundred (100) points, the Bidder with the lowest price under budget price shall be selected as the Successful Bidder.
- If Bidder’s proposed price is in a currency other than the currency of the estimated budget specified in this bid notice, then for the conversion of the Bidder’s proposed price, the **1st basic exchange rate announced by KEB Hana Bank** on the price evaluation date shall be used.
- In case of tie in price evaluation, the Successful Bidder shall be determined by drawing lots.

## 7. Notice

- The Bidder shall have full understanding of all matters necessary for this Bidding including the RFP prior to making the bid and shall be responsible for any and all disadvantages arising from insufficient understanding.
- The Bidder shall prepare the Proposal in truth. In case that any content of the Proposal is founded to be a false later, KARI may terminate or cancel the Contract even after the Contract is executed.
- All documents submitted in response to the RFP including the Proposal for this Bidding shall not be returned.
- All expenses incurred by Bidder in connection with its Proposal for this Bidding are for its own account and KARI will not disclose the evaluation result of Bidder’s Proposal.
- If any Bidder is bankrupted or insolvent as of the date of this bid notice, such Bidder shall not be allowed to participate in this Bidding.
- Bidders are required to keep confidential any data and information acquired in the Contract award. If any Bidder violates it, such Bidder may assume civil and criminal liability, sanction for inappropriate business entity, and other disadvantages (such as penalty for security violation, subtraction of evaluation scores in future biddings, etc.).
- The RFP and Contract shall be construed in accordance with and governed by the laws of the Republic of Korea.

## 8. Specifications

- Please refer to the RFP attached.

## 9. For further details, please contact the following designee.

Contractual matters	Technical matters
Overseas Contract Office Korea Aerospace Research Institute 169-84 Gwahak-ro, Yuseong-Gu, Daejeon 34133, Korea Tel : +82-42-860-2148, Fax : +82-42-879-4370 E-mail : monicalee@kari.re.kr (Eun-Jung Lee)	Aeronautics Technology Research Division Korea Aerospace Research Institute (KARI) 169-84 Gwahak-ro, Yuseong-Gu Daejeon, 34133, Korea Tel : +82-42-870-3565, Fax : +82-42-860-2604 E-mail : lee@kari.re.kr (Dr. Seunghoon Lee)