



REQUEST FOR INFORMATION – AM202510-13

REQUEST FOR INFORMATION (RFI) INSTRUCTIONS

Project Magnitude:

Schedule: To award as soon as possible

Intent: Information Gathering

Please review all the detail provided to ensure you have a complete understanding of this RFI.

This is a Request for Information (RFI) announcement only. This is not a solicitation of proposals and no subcontract will be awarded from this Request. No reimbursement will be made for any costs associated with providing information in response to this Request or any follow-up information requests related to this RFI. No telephone calls will be accepted requesting a bid package or solicitation because there is no bid package or solicitation available. In order to protect the procurement integrity of any future procurement, if any, that may arise from this Request, information regarding the technical point of contact will not be given and no appointments for presentations will be made.

Responding to this RFI does not provide any advantage or disadvantage to potential offerors if LBNL chooses to issue a solicitation for the delivery of goods or services regarding the subject matter.

Proprietary Information: Because information received in response to this RFI may be used to structure future programs and may be made available to the public, **respondents must NOT include any information in their responses that might be considered business sensitive, proprietary, or otherwise confidential.** Responses must be submitted with the understanding that their contents may be publicly disclosed and, in the event of a public disclosure, LBNL will NOT notify respondents or provide any opportunity to revise or redact submitted information

If your company believes it can provide Lawrence Berkeley National Lab (“Berkeley Lab” or “LBNL”) the goods or services described below, we encourage your company to:

- Complete this form electronically as comprehensively as possible ensuring that all details are typed out clearly, and return by 11/5/2025.

Submit this form and any attachments via email to the following address:

AMathias@lbl.gov

The main point of contact for this RFI is:



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Anita Mathias
Procurement Specialist
Lawrence Berkeley National Laboratory
AMathias@lbl.gov
(510) 486-4957

OVERVIEW & BACKGROUND

ALS AIP project of replacing the two existing old tube based SHB's (at 125 MHz and 500 MHz) pulsed RF High Power Amplifiers's (HPA's) to new solid state based pulsed RF HPA's of 25 kW peak at 125 MHz and 500 MHz.

SCOPE OF WORK

LBNL plans to procure two (2) units of 25 kW (peak) pulsed RF solid-state (LDMOS/GaN-based) High Power Amplifiers (HPAs):

- One (1) unit operating at approximately 125 MHz
- One (1) unit operating at approximately 500 MHz

These new HPAs will replace the existing tube-based ALS Sub-Harmonic Buncher (SHB) pulsed RF amplifier systems. LBNL believes this opportunity may be of interest to bidders with relevant experience in this field.

Bidders are kindly requested to complete the attached **SHB Pulsed RF HPA High-Level Specification Requirements** (dated 12 Oct 2025) Excel sheet by filling in **Columns D and E** with their responses. In addition, please provide:

- Relevant technical documentation and drawings (if available)
- Examples of similar HPAs currently in operation (particularly in accelerator laboratories or comparable environments)
- An estimated budgetary quotation for two (2) HPA units
- An estimated delivery schedule

Bidders are also encouraged to include any additional technical insights, design features, or value engineering considerations that highlight the strengths and uniqueness of their pulsed RF HPA solutions.



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Company Information Form

SECTION 1 – COMPANY INFORMATION		
Company Name	Click here to enter text.	
Address 1	Click here to enter text.	
Address 2	Click here to enter text.	
Street	Click here to enter text.	
City	Click here to enter text.	
State/Region	Click here to enter text.	
Zip/Postal Code	Click here to enter text.	
Telephone Number	Click here to enter text.	
Email	Click here to enter text.	
Website	Click here to enter text.	
SECTION 2 – CONTACT INFORMATION		
Contact Name	Click here to enter text.	
Title	Click here to enter text.	
Telephone Number	Click here to enter text.	
Email	Click here to enter text.	
SECTION 3 – ORGANIZATION & MANAGEMENT		
IN 300 WORDS OR LESS (FOR EACH QUESTION IN THIS SECTION)		
Is your company a small business under NAICS 334220 with a size standard of 1,250 Employees or less	☐ Yes ☐ No	
Type of Small Business Classification (Check all that apply)	☐ Small Business ☐ 8(a) ☐ Small Disadvantaged Business ☐ Women-Owned Small Business ☐ HUB Zone ☐ Veteran-Owned Business ☐ Service Disabled Veteran-Owned	
If not a small business, list small business partnership(s) or resellers. Include the type of services provided and major projects/clients served.	Click here to enter text.	
Primary NAICS Code(s) and Size Standards	Click here to enter text.	
How many years has your company been in business under its current name?	☐ < 2 years ☐ 2-5 years ☐ 5-10 years ☐ >10 years	



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SECTION 4 – BUSINESS ACTIVITIES		
IN 300 WORDS OR LESS (FOR EACH QUESTION IN THIS SECTION)		
What are the core competencies of your company?	Click here to enter text.	
Describe the management and operations capabilities your company currently provides in support of replacing the two existing old tube based SHB's (at 125 MHz and 500 MHz) pulsed RF High Power Amplifiers's (HPA's) to new solid state based pulsed RF HPA's of 25 kW peak at 125 MHz and 500 MHz.	Click here to enter text.	
Describe your customer service processes, capabilities, resources and how you measure your performance.	Click here to enter text.	
Do you have project and performance reporting methods and tools?	☐ Yes ☐ No	If yes, describe these methods and tools. Click here to enter text.
SECTION 5 – TECHNICAL ABILITY		
Complete the attached SHB Pulsed RF HPA High-Level Specification Requirements (dated 12 Oct 2025) Excel sheet by filling in Columns D and E .		
Any other considerations or items LBNL should be aware of?		

END RFI DOCUMENT