

Vendors  
Federal Business Opportunities



# 66 -- OXIDE MOLECULAR BEAM EPITAXY (MBE) SYSTEM

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## General Information

Document Type: Combine Solicitation  
Solicitation Number: N00173-08-R-KK03  
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Classification Code: 66 -- Instruments & laboratory equipment  
Naics Code: 334516 -- Analytical Laboratory Instrument Manufacturing

## Contracting Office Address

Department of the Navy, Office of Naval Research, Naval Research Laboratory, 4555 Overlook Ave. S.W., Washington, DC, 20375, UNITED STATES

## Description

This is a combined synopsis/solicitation for commercial items prepared in accordance with the format in Federal Acquisition Regulations (FAR) Subpart 12.6, as supplemented with additional information included in this notice. This announcement constitutes the only solicitation; proposals are being requested and a written solicitation will not be issued. The solicitation, N00173-08-R- KK03, is issued as a Request for Proposal (RFP). The solicitation document and incorporated provisions and clauses are those in effect through FAC 2005-23 and DFARS Change Notice 20080124. The associated small business size standard is 500 employees. NRL has a

requirement for a Molecular Beam Epitaxy (MBE) system for Oxides (CLIN 0001). Option Items for CLIN 0001 include Additional Ports (CLINS 0002 through 0007), an Aluminum Effusion Source (CLIN 0008), Aluminum Effusion Cell Shutter (CLIN 0009), Aluminum Effusion Source Power Supplies (CLIN 0010), Aluminum Effusion Source Temperature Controllers (CLIN 0011), Residual Gas Analyzer System (CLIN 0012), RHEED Electron Gun (CLIN 0013), Quartz Crystal Rate Monitor (CLIN 0014), Sample Wafer Holders (CLIN 0015), a Spare Parts Kit (CLIN 0016), and System Automation (CLIN 0017). Offerors may propose on any or all of the option items. Any option items, if exercised, may be exercised at any time up to nine months after the date of the initial award.

The complete specification and/or other information required for this combined synopsis/solicitation is available at <http://heron.nrl.navy.mil/contracts/RFP/08kk03.htm>

Delivery and acceptance is at NRL, Washington, D.C. 20375, F.O.B. Destination. Delivery shall be no later than 300 days from date of award. The provision at 52.212-1, Instructions to Offerors-Commercial, applies to this acquisition.

The provision at FAR 52.212-2, Evaluation--Commercial Items is incorporated. The Government intends to award a contract resulting from this solicitation to that responsible offeror whose offer conforming to the solicitation will be the most advantageous to the Government, price and other factors considered. The following factors shall be used to evaluate the offers:

- 1) Proposals will be evaluated on the extent to which the proposed instrument is compatible with the existing VG V80H MBE system dimensions, wafer mounts, wafer transfer mechanisms, growth geometry, effusion cell designs, and control electronics.
- 2) Proposals will be evaluated on the extent to which the proposed instrument is flexible enough to permit the study of a wide variety of materials over its operational life. This evaluation factor will also include an evaluation of the number of effusion cell ports, shutters, and measurement and characterization ports proposed. Also to be evaluated is whether a high-conductance UHV pumping port is provided and the extent to which additional UHV pumping ports are proposed.
- 3) Proposals will be evaluated on the extent to which the proposed instrument is as compact as possible while meeting the required specifications.
- 4) Proposals will be evaluated on the price proposed.
- 5) Proposals will be evaluated on the extent to which the offeror has demonstrated good performance in the past.

The factors above are listed in descending order of importance. Factors 3 and 4 are equal in value. All evaluation factors other than price, when combined, are significantly more important than price.

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate the total price for the basic requirement together with any option(s) exercised at the time of award.

Offeror must complete the following electronic annual representations and certifications via the Online Representations and Certifications Application (ORCA) at <http://orca.bpn.gov> in conjunction with required registration in the Central Contractor Registration (CCR) database.: FAR 52.212-3 Offeror Representations and Certifications--Commercial Items and DFARS

252.212-7000 Offeror Representations and Certifications--Commercial Items. In accordance with paragraph (j) of FAR 52.212-3 if changes to the ORCA annual representations and certifications apply to this acquisition, the offeror must clearly identify the applicable paragraphs at (b) through (i) which the offeror has completed for the purpose of this solicitation only. Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

The clause at FAR 52.212-4, Contract Terms and Conditions--Commercial Items and FAR 52.212-5, Contract Terms and Conditions Required To Implement Statutes or Executive Orders--Commercial Items, applies to this acquisition. The additional clauses cited within this clause are applicable: FAR 52.203-6, FAR 52.219-4, FAR 52.219-8, FAR 52.219-28, FAR 52.222-3, FAR 52.222-19, FAR 52.222-21, FAR 52.222-26, FAR 52.222-35, FAR 52.222-36, FAR 52.222-37, FAR 52.222-39, FAR 52.222-50, FAR 52.225-13, FAR 52.232-33, FAR 52.247-64. The DFARS clause at 252.212-7001, Contract Terms and Conditions Required to Implement Statutes or Executive Orders Applicable to Defense Acquisitions of Commercial Items applies to this acquisition. The additional clauses cited within this clause are applicable: 52.203-3, DFARS 252.225-7012, DFARS 252.225-7021, DFARS 252.227-7015, DFARS 252.227-2037, DFARS 252.232-7003, DFARS 252.243-7002, DFARS 252.247-7023, DFARS 252.247-7024. The following additional FAR and DFARS clauses apply: 52.204-7 Central Contractor Registration; DFARS 252.204-7004 Alternate A.; DFARS 252.211-7003 fill in none in (c)(1)(ii) and (c)(1)(iii). and DFARS 252.225-7013

The following additional FAR clause applies: 52.215-5. Facsimile proposals are authorized and may be forwarded to the contract specialist at (202) 767-5896 (primary) or (202) 767--0430 (alternate). In addition, proposals may be transmitted by e-mail to kevin.king@nrl.navy.mil (primary) or jan.bays@nrl.navy.mil (alternate) in either Microsoft Word or pdf format. If facsimile proposals are authorized, contracting officers may request offeror(s) to provide the complete; original signed proposal at a later date.

All EIT supplies and services provided under any resultant contract must comply with the applicable accessibility standards issued by the Architectural and Transportation Barriers Compliance Board at 36 CFR part 1194 (see FAR Subpart 39.2). Electronic and information technology (EIT) is defined at FAR 2.101.

For those portions of the work under this contract performed at any NRL site, the contractor shall comply with the Requirements for On-Site Contractors dated 01 June 2007 which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/13onsite.htm>

Any resultant contract will be DO Rated under the Defense Priorities and Allocations System (DPAS). The Contract Specialist must receive any questions concerning the RFP no later than 3 business days before the response date of this solicitation. An original and 2 copies of the offeror proposal shall be received on or before the response date noted above, 4:00 P.M., local time at the NRL address above, Attn: Contracting Officer. The package should be marked with the solicitation number, due date and time.

The U.S. Postal Service continues to irradiate letters, flats, Express and Priority Mail with stamps for postage and other packages with stamps for postage destined to government agencies in the ZIP Code ranges 202 through 205. Due to potential delays in receiving mail, offerors are encouraged to use alternatives to the mail when submitting proposals. Other business opportunities for NRL are available at our website

<http://heron.nrl.navy.mil/contracts/rfplist.htm>

See Numbered Note(s): 12

### Point of Contact

Kevin King, Contract Specialist, Phone 202-767-1495, Fax 202-767-5896, Email [kevin.king@nrl.navy.mil](mailto:kevin.king@nrl.navy.mil) - F. Janilea Bays, Contracting Officer, Phone 202-767-2974, Fax 202-767-0430, Email [jan.bays@nrl.navy.mil](mailto:jan.bays@nrl.navy.mil)

### Place of Performance

Address: Naval Research Laboratory 4555 Overlook Ave. SW Washington, D.C.  
Postal Code: 20375-5326  
Country: UNITED STATES

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