



## 66 -- SCANNING GHz LASER SYSTEM

### General Information

Document Type: Combine Solicitation  
Solicitation Number: N00173-05-R-JR06  
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Classification Code: 66 -- Instruments & laboratory equipment  
Naics Code: 334510 -- Electromedical and Electrotherapeutic Apparatus Manufacturing

### Contracting Office Address

Department of the Navy, Office of Naval Research, Naval Research Laboratory/STENNIS, John C. Stennis Space Center, Stennis Space Center, MS, 39529-5004

### 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, N00173-05-R- JR06, is issued as a Request for Proposal (RFP). The solicitation document and incorporated provisions and clauses are those in effect through FAC 2001-27 and DFARS Change Notice 20050222. The NAICS code is 334510 and the associated small business size standard is 500 employees. The Naval Research Laboratory (NRL) has a requirement for a Scanning GHz Laser System, which shall consist of the following: 1. Three (3) CW Fiber-Coupled Single Frequency NPRO Nd:YAG Laser with the following minimum specifications:

(a) Wavelength: 1319 nm, (b) Laser Output power: Laser optical power in a TEM(00) mode to be coupled into a optical fiber whose resultant output power is Greater Than 200mW, (c) Laser Line Width: Less

Than 5 kHz, (d) Relaxation Oscillation Noise Reduction System: RIN Less Than 140 dBc/Hz for greater than 1 kHz frequency offset from DC, (e) Optical isolation: 30 dB, (f) Output Fiber: Polarization Maintaining Fujikura Panda fiber with FC/PC fiber optic connector, (g) Independent Thermal Tuning: Wide tuning option, 2.4 GHz/C with plus/minus 30C thermal tuning range, (h) Independent Fast Tuning: Integrated Piezo electric crystal with tuning range of at least 1 MHz/V for a plus/minus 15V applied bias; 2. Four (4) Microprocessor Controlled Laser Power supplies with cables for the above 3 lasers (plus 1 spare).

DOCUMENTATION: The contractor shall provide standard technical and operation and maintenance manuals. All applicable software for effective operation of the system shall also be provided.

WARRANTY: The contractor shall provide a standard commercial warranty against all parts and labor. Delivery and acceptance is at NRL, Washington, D.C. 20375, FOB Destination. Delivery shall be no later than four months from date of award. The provision at 52.212-1, Instructions to Offerors-Commercial, applies to this acquisition. The Government intends to award a contract resulting from this solicitation to that responsible offeror proposing the lowest price for the items that have been determined to comply with the requirements of the specifications and solicitation. The proposal must demonstrate an understanding of the requirement and the ability to meet the specifications.

Offeror must complete and submit with its proposal, FAR 52.212-3 Offeror Representations and Certifications-Commercial Items and DFARs 252.212-7000 Offeror Representations and Certifications-Commercial Items., which are identified as B and available electronically at :

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

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: 52.203-6, 52.222-3, 52.222-19, 52.222-21, 52.222-26, 52.222-35, 52.222-36, 52.222.37, 52.232-33. 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, 252.225-7012, 252.227-7015, 252.227-7037, 252.232-7003, 252.243-7002, 252.247-7023. The following additional DFARs clauses apply: 252.204-7004, 252.232-7003.

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.

Any resultant contract will be DO Rated under the Defense Priorities and Allocations System (DPAS). The Contract Specialist must receive any questions no later than 10 calendar days before the response date of this solicitation. An original and two copies of the offeror proposal shall be received on or before the response date noted above, 3:00 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.

Other business opportunities for NRL are available at our website  
<http://heron.nrl.navy.mil/contracts/rfplist.htm>

## Point of Contact

Jerry Riles, Contract Specialist, Phone 228-688-4259, Fax 228-688-6055, Email [jriles@nrlssc.navy.mil](mailto:jriles@nrlssc.navy.mil) -  
Patricia Lewis, Contracting Officer, Phone 228-688-5593, Fax 228-688-6055, Email [plewis@nrlssc.navy.mil](mailto:plewis@nrlssc.navy.mil)

## Place of Performance

Address: Contractor Facility

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