



66 -- Oscillator System

General Information

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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, N00173-07-R-DB03, is issued as a Request for Proposal (RFP). The solicitation document and incorporated provisions and clauses are those in effect through FAC 2005-16 and DFARS Change Notice 20070426. The associated small business size standard is 500. NRL has a requirement for 1 Pair (PR) of an Ultra Low Phase Noise 10 GHz Oscillator System under CLIN

0001, as follows. Description: A Pair (2) of Ultra Low Noise Sapphire Loaded Cavity Oscillators (SLCO) with carrier suppression and noise cancellation. Each Oscillator to have the following specifications: Output Power: Greater than 10 dBm (10 mW), Nominal Center Frequency: 10.24 GHz plus/minus 0.1 GHz, Frequency Difference of oscillator pair: Less than 10 kHz (1 parts per million), Phase Locked Loop (PLL) Voltage Controlled Oscillator (VCO) frequency tuning range for each oscillator: 3kHz, Voltage controlled thermal tuning for each oscillator: plus/minus 20 parts per million (200 kHz), Discrete Spurious Tones: Less than -40 Log (fm) dBc (dB below Carrier), Phase Noise offset from the Carrier Performance, for each oscillator: Oscillator Noise Performance testing is to be conducted via the methodology described in NIST (National Institute of Standards and Technology) Technical Note 1337 without software spur removal. offset at 100Hz Phase Noise less than -103 dBc/Hz., offset at 1kHz Phase Noise less than -137 dBc/Hz, offset at 10kHz Phase Noise less than -154 dBc/Hz, offset at 100kHz Phase Noise less than -159 dBc/Hz, and offset at 1MHz Phase Noise less than -164 dBc/Hz. Amplitude Noise offset set from the Carrier Performance, for each oscillator: Oscillator Amplitude Noise Performance testing is to be conducted via the methodology described in NIST (National Institute of Standards and Technology) Technical Note 1337 without software spur removal. offset at 100Hz Amplitude Noise less than -136 dBc/Hz, offset at 1kHz , Amplitude Noise less than -146 dBc/Hz, offset at 10kHz Amplitude Noise less than -156 dBc/Hz, offset at 100kHz Amplitude Noise less than -168 dBc/Hz, and offset at 1MHz Amplitude Noise less than -168 dBc/Hz. Delivery and acceptance is at NRL, Washington, D.C. 20375, FOB Destination. Delivery shall be no later than 180 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: (i) Technical capability of the item offered to meet the Government's requirement; (ii) Past Performance; and (iii) Price. Technical capability and Past Performance, when combined, are more important than price. 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/rep sandcerts.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, 52.219-4, 52.219-8, 52.222-3, 52.222-19, 52.222-21, 52.222-26, 52.222-35, 52.222-36, 52.222-37, 52.222-39, and 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, The following additional DFARs clauses apply: 252.225-7012 , 252.225-7021, 252.227-7015, 252.227-7037, 252.232-7003, 252.243-7002, 252.247-7023, and 252.247-7024. The following additional FAR and DFARs clauses apply: 52.204-7 Central Contractor Registration, 252.204-7004 Alternate A, and 252.211-7003 . Proposals may be transmitted by e-mail to Dan.Brinkworth@nrl.navy.mil in either Microsoft Word or pdf format. 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 concerning the RFP no later than five (5) business days before the response date of this solicitation. An original and two (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>

Point of Contact

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