

Notice of Intent

The National Institute of Standards and Technology (NIST) intends to negotiate, on a sole source basis, under authority of FAR 13.106-1(b) (1), with Newport Corporation of Santa Clara, CA for the procurement of an Automatic Laser Stabilization System for the National Institute of Standards and Technology (NIST), Center for Nano-Science Technology (CNST), Nanofabrication Research Group (NRG).

NRG development of innovative metrologies and *in situ* measurement protocols for micro/nano-scale gas-solid interaction analysis under reactive environments. Measurement techniques are used to determine sample composition as well as structural, electronic, and chemical properties of a wide variety of organic, and inorganic systems where materials of interest are typically present as nano-scale features or thin films. To meet mission requirements; the NRG needs to procure two (2) active laser stabilization systems to improve performance of critical laser systems on a pre-existing, portable Raman spectroscopy platform attached to an environmental transmission electron microscope or a test cell in a separate room. Pursuant to this application, the active, stabilization systems must be fully compatible with the current optical breadboards and optomechanical components to yield optimal performance with respect to conversion efficiency, stability, and/or automation (controller pin-to-pin compatibility).

The current optical breadboards and optomechanical components are manufactured products of Newport Corporation. The existing equipment and technology are proprietary to Newport and protected under US Patents. Due to the proprietary nature of the current equipment and technology only one company, Newport Corporation, is able to provide the required active laser stabilization system. Newport Corporation manufactures an active laser stabilization system called the GuideStar II Laser Beam Steering Correction System. This system meets all the requirements of NRG. The current equipment and technology is compatible with the Newport Corporation GuideStar II Laser Beam Steering Correction System.

The North American Industry Classification System (NAICS) code for this acquisition 334516, with a size standard of 500 employees.

A determination by the Government not to compete the proposed acquisition based upon responses to this notice is solely within the discretion of the Government. Information received will be considered solely for the purpose of determining whether to conduct a competitive procurement.

No solicitation package will be issued. This notice of intent is not a request for competitive quotations. However, responses received by January 19, 2016 will be considered by the Government.