

Synopsis- Notice of Intent to Sole Source

The purpose of this synopsis is to announce the National Institute of Standards and Technology's (NIST) intent to negotiate a Firm Fixed Price sole source purchase order with Hopewell Design, Inc, located at 5940 Gateway Drive, Alpharetta, GA 30004-6413, for the purpose of acquiring software and system upgrades to the G90 Irradiator data acquisition and control system owned by the NIST Dosimetry Group.

The Government intends to negotiate solely with Hopewell Design, Inc. per FAR 13.106-1(b), as no other source of supplies will satisfy agency requirements. Hopewell Design is a unique source unique capable of fulfilling the Government's needs for the following reasons:

- 1) Hopewell Design developed the data acquisition and control system based on proprietary software which cannot be modified by other parties. This software is required to upgrade the control unit and to allow for the integration of upgraded equipment for the overall system.

The contractor is required to be able to complete the tasks below utilizing the proprietary Hopewell software used in the G90 Irradiator system.

- The contractor shall upgrade the existing G90 data acquisition software to integrate the functionality of a second electrometer model Keithley 6517B. This second electrometer shall have the identical timing sequence as the existing electrometer Keithley model 6514.
- The contractor shall install all upgrades to the two existing modes of operation: chamber calibration mode and combo calibration mode. Upgrade all parts as needed of the PLC and data acquisition and control software including, code, all user interface screens, configuration files and data output files to ensure the accurate measurement of air-kerma, reproducible measurement of ionization currents, and the safe operation of the irradiation facility.
- The contractor shall demonstrate the full operation of the upgraded data acquisition system and control software and that it performs measurements of ionization current reproducibly and accurately following the expected timing sequence described previously

The NAICS code for this acquisition is 541511 with a size standard of \$27,500,000.00. 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 08/24/2016 3:00 PM Eastern Time will be considered.