

**Procurement Title\*** Livermore, CA site - Refurbishment of two Air Handling Unit (AHU) fans with conversion to VFD operation

**Statement of Work\*** Sandia National Laboratories Livermore, CA (SNL/CA) is seeking a Contractor to provide construction services for the purpose of rebuilding two core air handling unit (AHU) fans with conversion to VFD operation. Siemens Apogee controls shall be installed on the air handling unit as part of the scope. Replacement of control valves, replacements/conversions of other valves, sensors, actuators for dampers, and installation of VFD's, calibration, and controls conversions from pneumatic to electric with all electrical support work is included in scope. Some Asbestos and lead abatement may be required by the contractor for gaskets and lead painted surfaces. Work will take place at Building 910 at the Sandia CA site. All equipment and materials are contractor provided except for Siemens control components, VFD's and fans parts listed in contract documents which shall be Sandia furnished, contractor installed. Project includes start up, balancing, and point to point verification and functionality testing of the Siemens control system for the AHU. Labor and remaining materials for testing, start-up, and air balancing shall be by the contractor. Sandia shall provide programming and graphics for Siemens controls.

**Mandatory Requirements\*** Interested bidders must provide documentation showing they meet the following mandatory requirements in order to be invited to the mandatory walkthrough and to receive the RFQ. Mandatory Requirements due May 30, 2012:

#### Quality Assurance

Contractor shall maintain a place of business within a 100-mile radius of the project site. Provide written statement attesting to such.

Submit copy of valid California Contractor License(s), including valid A- General Engineering or B-General Building Contractor, and the following licenses with either the Contractor or Contractor and Subcontractors in combination: C-10 Electrical Contractor, C-36 Plumbing Contractor, C-20 HVAC Contractor, and others as they apply to this job with dates of expiration. Sandia may verify that licenses have never been suspended or revoked for any reason. Further, Contractor cannot presently be on the Government Debarred List as debarred, suspended, or proposed for debarment.

Provide the name, address, phone number, and point of contact of the present surety. Surety must be listed on the Department of the Treasury's Listing of Approved Sureties. Provide certification (from the surety) that the surety has not completed any work on behalf of the Contractor in the past five years.

Provide written statement that Contractor has not had any administrative, civil, or criminal enforcement actions for noncompliance with environmental laws or regulations within the past five years. Enforcement actions include Notices of Violation, Cease and Desist Orders, civil / criminal fines or penalties, or findings associated with audits or inspections by regulatory agencies.

### Safety

Provide evidence in the form of a signed statement from the Contractor's Workers' Compensation carrier attesting that the Contractor's California Experience Modification Rating (EMR's) has been less than one for the past six years.

Submit company Injury Illness Prevention Plan (IIPP) as required by and compliant with Title 8 of the California Code of Regulations (T8CCR) Section 3203. In addition to basic / required plan elements include programs for the following: Fall Protection, Lock Out Tag Out (LOTO), Confined Space, Asbestos abatement, Electrical Safety Program, and Hazard Communication.

### Key Personnel

The personnel whose names appear below are important for the successful performance of this contract. The Contractor agrees to assign such personnel to the performance of the work under this contract and shall not reassign or remove any of them without consent of Sandia. Submit resumes and other supporting documentation as appropriate.

The Contractor shall provide a qualified Safety Officer throughout performance of work under this contract. Minimum training requirements include a two year degree with course work in occupational health and safety, industrial hygiene, environmental engineering, or related field. Documented experience in safety inspection and coordination may be substituted on a year for year basis in lieu of formal coursework. In addition, at least two years documented experience in safety inspection and coordination are required.

The Contractor shall provide a qualified, full-time, non-working Superintendent throughout performance of work under this contract. At least five years documented experience as a superintendent is required.

### Relative Experience

Successful performance of similar construction work is important to Sandia. Provide a written description of work recently completed (within the last three years) that is similar in type and complexity to the scope described herein. The work must be for a public government agency; preferably the Department of Energy (DOE). Include technical and business contact points by name, title, address, telephone, and, if available, email address. Provide list of major subcontractors and suppliers.

Contractor or his listed subcontractors shall have previous experience with large fan refurbishing, installing/programming VFDs, HVAC piping, equivalent equipment start-up, and Siemens controls for commercial/industrial HVAC systems. The sub-contractor performing controls installation shall have recent provable experience with the Siemens Apogee building controls system. Provide copies / evidence of existence of detailed work planning and control documents used to manage one of the above recently completed project to success. Include copies of all planning documents, work control processes / associated tools, risk identification analysis / associated mitigation strategy, and post-job

discussion of lessons learned and areas for improvement. Evidence of the existence of a quality significant, robust, and documented project management process will be key to meeting this requirement.