

## **STATEMENT OF WORK**

### **A. GENERAL INFORMATION**

1. Title of Project: Project# 626-14-201 **“Install SPS Purchased eTO Abators”**
2. Scope of Work: The contractor shall furnish all labor, material, equipment, transportation, and supervision necessary to accomplish the work for Project# 626-14-201 "Install SPS Purchased eTO Abators" at the Tennessee Valley Healthcare System, VA Medical Center, 1310 24th Ave., S., Nashville, TN 37212 in accordance with the specifications and drawings. Work includes but is not limited to mechanical, electrical, plumbing, controls and some architectural services.
3. Background: Project is needed to satisfy VHA, OSHA and EPA mandates to abate ethylene oxide gases produced during low temperature sterilization processes at the Nashville Campus. The compliance date of the new standards is October 1, 2014.
4. Performance Period: The government estimates approximately 60 days from Notice to Proceed to complete this project. However, the Offeror shall provide a Seed Project Construction Schedule (Gantt chart). The schedule shall be realistic and one that the contractor can accomplish. Schedule shall at minimum address contractor's time approach for submittals, mobilization, construction/renovation execution, final inspections, demobilization and close-out. The schedule should clearly identify the critical path, starting with the Seed Project task order award through project closeout, includes as-built drawings, Operations and Maintenance, and Submittals Manuals. An orderly logical outline shall be presented, identifying simultaneous and concurrent activities, unless otherwise stated in any written modifications required under the resulting contract and signed by the Contracting Officer (CO).

### **B. GENERAL REQUIREMENTS**

1. All written deliverables shall be phrased in layperson language. Statistical and other technical terminology shall not be used without providing a glossary of terms.
2. Where a written milestone deliverable is required in draft form, the VA will complete their review of the draft deliverable within 7 business days from the date of receipt. The contractor shall have 7 business days to deliver the final deliverable from date of receipt of the Government's comments.
3. Contractor will be required to work some nights and or weekends to perform this work and maintain functionality of affected areas, and to minimize disruptions to the Medical Centers operations.

### **C. SPECIFIC MANDATORY TASKS AND ASSOCIATED DELIVERABLES**

Description of Tasks and Associated Deliverables: The contractor shall provide the specific deliverables described below within the time specified in the approved schedule that will be provided by the contractor.

Deliverable One: Construction in accordance with the drawings and specifications including all closeout documentation, as-built drawings, certifications, tests reports, training, warranties, manuals, etc. specified in contract documents. Work includes but is not limited to:

1. This project will provide for the complete room prep and installation of three (3) government furnished ethylene oxide (EO) abators to meet EPA, OSHA and VHA standards and specifications.
2. The abator installation and site prep shall meet manufactures (3M – model 50 AN) specifications. The Contractor shall complete the customer checklist (page 12, attachment 1 – EO Abator Operation and Installation Manual) and include the manufactures (3M) service representative in construction review and at start up. All questions on the customer checklist must be addressed and construction must conform to all specifications in this attachment.
3. Contractor shall perform a post construction Test and Balance on room B-02C and Sterile Processing & Supply department.
4. Provide and install an anchored shelving system designed to carry the weight of three (3) eTO sterilizers currently in use (Room B-02C), and the three (3) new VA provided eTO abators.
5. Install EO Inlet Line.
6. Install Safety Vent Line. Provide one  $\frac{3}{4}$  inch Safety Vent Line per abator and run in parallel with Exhaust system, venting thru roof of fan room 5 (Room BG124).
7. Exhaust System Improvements
  - a. Perform a leak test (pre-test and final) of existing 12 inch exhaust duct and seal.
  - b. Insulate from abator side the first 100 feet of existing 12 inch duct.
  - c. Install new 6 inch duct for each abator and tie into existing 12 inch duct.
  - d. Provide and install air mixing valve and airflow damper for each abator. Adjust damper to maintain specified flow.
8. Electrical requirements: Electrical work shall be performed in accordance with all codes, standards, VA specification and Section 3 of the Operation and Installation Manual.
  - a. Provide and install at Source (Panel BEMC, Room C-04) one (1) 480V, 125 Amp, 3 pole Breaker.
  - b. From Source run through sub-basement – Install 3 (three) #1 and 1 (one) #6 ground in 1.5 inch rigid conduit to room B-01F
  - c. Provide and install one (1) 125 Amp disconnect in room B-01F.
  - d. From disconnect, run 3 (three) #1 and 1 (one) #6 ground in 1.5 inch EMT conduit to one (1) 75 KVA step down transformer 480V $\Delta$ /220VY (Dry Type) in room B-01F. Hang transformer from ceiling at location identified by VA.
  - e. From transformer run 3 (three) #250 KCMIL and 1 (one) #2 ground in 3 inch rigid conduit through sub-basement to room B-02C to one (1) Flush mounted 225 amp, 220V, 3 phase panel board (minimum 12 space, with main breaker). Panel board shall include three (3) – 40 amp, 220V, single phase bolt on breakers (Square D or approved equal).

- f. From panel board in room B-02C run power wire to abators, Install solid #8 THHN with a #10 ground in appropriately sized EMT conduit.
9. Monitoring requirements: Abators shall be tied into the hospitals Honeywell XL 800 system, to provide continuous monitoring of three (3) points including Ready, Low Air Flow and Oven Temperature as defined on page 7 of the Operations and Installation Manual.
  - a. Provide and install 18 gauge solid copper twisted pairs for each point from abator to Panel DCP-12 located in Fan room 5.
  - b. Wire shall be run in appropriately sized EMT conduit.
  - c. Provide and install graphics and programming as required by Honeywell.
10. Commissioning: Contractor shall provide an independent commissioning agent to test and verify installation and function of abators.

#### **D. REPORTING REQUIREMENTS**

1. The contractor shall provide the COR with monthly written progress reports. These are due to the COR by the second workday following the end of each calendar month, throughout the project's duration. The COR is required to provide monthly progress reports to the Contracting Officer by the fifth workday of the new calendar month.

2. The progress report shall cover all work completed during the preceding month and shall present the work to be accomplished during the subsequent month. This report shall also identify any problems that arose, along with a statement explaining how the problem was resolved. This report shall also identify any problems that have arisen but have not been completely resolved, with an explanation.

#### **E. CONTRACTOR EXPERIENCE REQUIREMENTS**

- The contractor must inform the COR and the CO when personnel are removed from the contract for any reason.
- If a key person becomes unavailable to complete the contract, proposed substitutions of key personnel shall be made by the contractor to the COR and CO.
- The COR may request contractor or contractor personnel to be removed from the site for violating VA Medical Center rules and regulations. The Contractor will provide a corrective action write-up on personnel removed that shall be approved by CO. Corrective action may include permanent removal of personnel from the premises.

#### **F. CONFIDENTIALITY AND NONDISCLOSURE**

1. The preliminary and final deliverables, and all associated working papers, application source code, and other material deemed relevant by VA which have been generated by the contractor in the performance of this contract, are the exclusive property of the U.S. Government and shall be submitted to the CO at the conclusion of the contract.

2. The CO will be the sole authorized official to release, verbally or in writing, any data, draft deliverables, final deliverables, or any other written or printed materials pertaining to this contract. No information shall be released by the contractor. Any request for information relating to this contract, presented to the contractor, shall be submitted to the CO for response.

3. Press releases, marketing material, or any other printed or electronic documentation related to this project, shall not be publicized without the written approval of the CO.