

**DEPARTMENT OF VETERANS AFFAIRS
STATEMENT OF NEED**

A. GENERAL INFORMATION

- **Title:** Air Compressor System with Dryer and Auto Drain System
- **Scope of Work:** Facilities Management Service has a need for multiple compressors, refrigerated air dryers, filters, and storage tank for the new laundry facility. De-installation of existing compressor system and installation of new compressor system will need to be done over the period of one weekend, i.e., Friday 3:30 pm through Monday 7:00 am.
- **Delivery:**
 - The Contractor shall deliver and install all the supplies required. Delivery will be within 90 calendar days or less from the date of award, and installation will be on or before April 1, 2020, unless otherwise directed by the Contracting Officer (CO).
 - Delivery will be made during normal business Lake City VAMC warehouse business hours excluding all federal holidays.
 - i. Lake City VA Medical Center, 619 S Marion Ave, Lake City, 32025: Warehouse business hours are Monday – Friday, 8:00am – 4:00pm.
 - ii. Federal holidays are: New Year’s Day, Martin Luther King Luther King Jr. Day, President’s Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day.
 - All supplies shall be delivered in one complete order, no split delivery/shipments.
 - Delivery of doors and components for installation shall be delivered and installation coordinated with the Contracting Officer and Environmental Management team.

B. GENERAL REQUIREMENTS

Contractor’s quote shall comply with the below:

All work, de-installation and installation, shall take place over the course of one weekend, beginning on Friday at 3:30 pm EST and finishing prior to Monday at 7:00 am EST.

1. De-Installation of existing equipment: The vendor shall remove existing compressors and dispose of them properly.
2. The vendor shall install the new compressor systems, dryers, and auto drain systems
3. The salient characteristics of the compressor system shall at minimum be as follows:
 - a. Flow rate at 160 psig(g) 121.84 cfm
 - b. Power consumption of entire system at 160 psig(g)
 - c. Max. working pressure 160 psig
 - d. Drive motor efficiency, full load 91.6 % or better
 - e. Drive motor efficiency class IE3

- f. Compressors shall not be mounted on tanks
 - g. Drive motor rated capacity 30.0 hp
 - h. Drive motor speed 3565 rpm
 - i. Drive motor protection rating IP 55
 - j. Electrical supply 460V / 3 / 60Hz
4. The salient characteristics of the compressed air filters are as follows:
- a. Minimum flow rate of 160 cfm
 - b. Max operating pressure of 230psi
 - c. Condensate drain consists of electronic
5. The salient characteristics of the refrigerated air dryers shall at minimum be as follows:
- a. Flow rate 113 cfm
 - b. Elect. power consumption at 100% flow rate 1.34 hp
 - c. Elect. power consumption at 50 % flow rate 0.93 hp
 - d. Elect. power consumption at 10 % flow rate 0.36 hp
 - e. Pressure dew point, refrigeration dryer 39 °F
 - f. Pressure loss, refrigeration dryer 2.47 psi
 - g. Gauge pressure 3.0 bar / 232.1 psig
 - h. Contain automatic drains
 - i. Dryers shall be standalone units
6. Compressors shall come with a 400 gallon total capacity storage tank with new auto drain system. These tanks shall be stand alone and no equipment shall be attached or mounted on them.