

# Statement of Work

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REPLACE CHILLER AND COOLING TOWER  
614-13-119  
VA MEDICAL CENTER MEMPHIS TN

Provide all labor, materials, tools and equipment necessary for construction of a project described here in other specific tasks as further defined by this invitation for bid. Contract completion time is 180 calendar days after receipt of Notice to Proceed.

A. Project 614-13-119 Replace Chiller and Cooling Tower.

1. The project will demo existing lab chiller, and surgery cooling tower and install a new lab chiller, surgery cooling tower and pumps.
2. Install new 300 ton dual compressor chiller. Chiller shall have an IPLV efficiency rating equal to or better than .33 KW/Ton and a full load efficiency rating equal to or better than .56 KW/Ton.
3. Install new surgery cooling tower. Cooling tower shall be located on roof where existing cooling tower is located. Provide a design from a registered structural engineer for new cooling tower support. Install supports necessary to mount new cooling tower per approved design. Install new cooling tower water treatment center. Repair roof at any required penetrations.
4. Install new Bacnet controls for chiller. Controls shall be connected to Medical Center Bacnet control system currently under construction.
5. Install new electrical for chiller and cooling tower. All electrical work must comply with NEC requirements.
6. Test and balance pumps.

**Department of Veterans Affairs Medical Center  
VA-249-13-B-0523 Replace Chiller and Cooling Tower  
Project 614-13-119**

**A. BID ITEM 1**

The contractor shall furnish all equipment, materials, labor, supervision, and quality control to perform work to "Replace Chiller and Cooling Tower" for the VA Medical Center, Memphis TN, in accordance with the drawings and specifications.

GENERAL CONSTRUCTION: Work includes general construction, alterations, mechanical and electrical work, and necessary removal of existing interior materials and construction and certain other items.

The contractor shall begin performance within 10 calendar days of contract award and Notice to Proceed and complete the project within 180 calendar days.

**B. BID ITEM 2**

Work for Bid Item 2 is the same as for Bid Item 1, except as follows:

DEDUCTIVE ALTERNATE NO.1: Delete all work for the replacement of the Lab Chiller. **Project completion time is 120 calendar days.**