

## **BID BOARD POSTING**

### **Request for Quotation**

**770-9-0075-17**

This is a Request for Quotation. The Centers for Medicare & Medicaid Services intends to award, under Simplified Acquisition Procedures (Dollar Threshold for Simplified Acquisitions \$100,000.00) a not to exceed fixed price purchase order for a contractor to provide electrical services involving critical and sensitive data center environments. The effort will provide facilities support to the CMS Baltimore Data Center and includes all services to identify unused electrical circuits, trace unused electrical circuits and remove all unused electrical circuits and circuit breakers. A detail Statement of Work is attached. The Period of Performance will be for 12 months from August 2009 until August 2010.

Your proposal should include the following additional information:

1. Company Name, Address
2. Contact Person, name, Telephone Number, Fax Number, E-Mail Address
3. Business Size Classification, i.e. Small Disadvantaged, 8(a), Woman Owned
4. DUNS Number
5. Tax ID NO.

Note: You must be registered and the registration current in the CCR Central Contractor Register, in order to receive a federal government award.

**All quotes must be received by August 5, 2009 no later than 3:00pm.**

Questions should be referred to : [Phillip.Harrell@cms.hhs.gov](mailto:Phillip.Harrell@cms.hhs.gov), fax# (410)786-9088.

Proposals can be E-Mailed to: [Phillip.Harrell@cms.hhs.gov](mailto:Phillip.Harrell@cms.hhs.gov)

### **STATEMENT OF WORK**

#### **REMOVE UNUSED POWER FROM BDC**

**REQUISITION# 770-9-0075-17**

#### **SCOPE**

The Centers for Medicare & Medicaid Services (CMS) has a requirement to obtain commercially available electrical services from a qualified electrical contractor specializing in critical and sensitive data center environments. This effort will provide facilities support to the CMS Baltimore Data Center (BDC). Included are all services to identify unused electrical circuits, trace unused electrical circuits and remove all unused electrical circuits and circuit breakers. This is a time and material procurement with a not to exceed funding limit.

#### **BACKGROUND**

The BDC facilities electrical infrastructure is dominated by electrical distribution centers necessary to distribute power through 1500+/- electrical circuits. BDC operation involves constant installation and de-installation of hardware systems. This activity requires installation and de-installation of electrical circuits and circuit breakers. Electrical circuits may be installed during normal data center operation, but, because of risk of electrical short circuit with a resulting interruption of data center operation electrical power can only be removed during periods of data center maintenance shutdown. In order to identify abandoned electrical circuits that have accumulated under the BDC raised floor each individual circuit must be tested to determine if an electrical load is being supported. Each circuit not supporting a load must be identified and traced. The location of the abandoned receptacle must be marked on the data center floor and noted on an Aperture data center floor layout map drawing. The data center facility is a highly specialized environment that needs a high level of technical competency for support. This work will be completed over time while the BDC is operational. Care and skill must be demonstrated for even the slightest mistake with electrical systems can cause a sudden and violent electrical shutdown of the data center and result in upwards of twenty hours of critical time to restart. The result can have extremely negative consequences on the Medicare systems, drug program and ultimately beneficiaries. To this end the data center management team recognizes a need to support the electrical support systems with qualified technicians specially trained in data center support and specializing in the Liebert electrical systems that are used exclusively in the BDC.

## **CONSTRAINTS**

The CMS IT infrastructure is housed primarily in the BDC, Voice Switch room and twenty two satellite rooms distributed throughout the CMS Central Site complex. The power distribution systems are exclusively manufactured by Liebert Corporation. All preventative and remedial maintenance is performed exclusively by Liebert factory trained technicians. Because of the criticality of BDC to the Agency mission CMS data center management insists that facilities support activities be performed by contractors that are trained for work in sensitive data center environments and are expert technicians supporting Liebert electrical distribution systems. Typical electrical contractors that perform construction and other ad-hoc electrical services are not qualified to operate in a sensitive data center environment and therefore are not acceptable for this level of Agency electrical work.

## **TASK REQUIREMENTS**

Independently, and not as an agent of the Government, the Contractor shall provide all the necessary services, qualified personnel, material, equipment, and facilities modification, not otherwise provided by the Government as needed to perform this Statement of Work.

This purpose of this procurement is to obtain expert electrical services to probe the interior of all power distribution centers in the BDC, Ampere and voltage readings shall be taken on each phase of each circuit breaker. Circuit breakers that register no electrical load shall be marked for future removal. Each circuit not registering an electrical load shall be traced to the end to reveal the electrical receptacle. The location of the receptacle shall be marked indelibly on the BDC raised floor. The Aperture data center map layout will also be marked with the receptacle location. Receptacles with a plug attached shall be traced to the hardware component attached

to the plug. The hardware shall be marked for assessment by Lockheed Martin technicians to determine why the hardware is not powered on. Each electrical circuit verified to not be connected or connected to a hardware device not powered on shall be turned off. Removal of the circuit breakers and circuit will be undertaken during the next BDC annual data center shutdown under a separate competed work order. Work shall be conducted during normal week day working hours under the oversight of the Government Technical Lead.

The Contractor shall:

1. Remove and re-install panels and covers in keeping with original manufacturer specifications.
2. All materials and work shall be warranted against defects for 30 days.
3. All hardware systems modified by this task shall be certified eligible for continued maintenance under existing maintenance contracts with the Liebert Corporation.
4. All tiles removed for under floor work shall be properly refitted when work is complete, safety cones shall be used to prevent accidental falls in areas under construction.