

STATEMENT OF WORK

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WESF MCC (Motor Control Center) 2 and 3 Bucket Replacement

1.0 INTRODUCTION / BACKGROUND

As a prime contractor to the U.S. Department of Energy (DOE), CH2M HILL Plateau Remediation Company (CHPRC) is focusing on the safe, environmental cleanup of the Central Plateau of DOE's Hanford Site. CHPRC's scope of work includes treatment and disposal of various radioactive waste streams, groundwater, management of spent nuclear fuel, disposal or disposition of nuclear materials, and non-reactor nuclear facilities, and environmental remediation activities currently funded through DOE's Office of Environmental Management.

This contract is issued for the replacement of the Motor Control Center (MCC) 2 and 3 buckets, and other related work, at the Waste Encapsulation and Storage Facility (WESF).

The WESF MCC 2 and 3 are located in a secured area under access control, contracted employees are required to be badged and/or escorted at all times when working at WESF. Special restrictions and vehicle access controls apply.

2.0 DESCRIPTION OF WORK – GENERAL

The Contractor shall provide technically qualified person(s) who will work as part of a team under the general supervision of CHPRC. Contractor employees shall provide technical expertise and support for replacement of the WESF MCC 2 and 3 buckets, and for other related work.

In order to provide the support required for the replacement of the MCC buckets, it is anticipated that the Contractor may need to enter the Lock and Tag boundary and therefore will need to be trained per the Hanford Site Lockout/Tagout Procedure. See section 5.1 of this Statement of Work.

Unless otherwise approved, the Contractor shall work in accordance with CHPRC contract requirements, operating policies and procedures.

The Contractor shall furnish the necessary technical and professional services and payment of any applicable taxes to perform the scope described herein as directed by CHPRC.

3.0 DESCRIPTION OF WORK – SPECIFIC

The Contractor shall provide technical support and consultation as follows:

- a. Field visit and quotation for MCC #2 and MCC #3 bucket replacement. This work shall include the following:
 - i. Dispatch a Field Service Engineer to the WESF facility, to inspect the existing Motor Control Center (MCC #2 and MCC #3) buckets, and obtain the necessary component information and dimensions.
 - ii. Review WESF facility wiring diagrams and electrical drawings that are related to the MCC #2 and MCC #3, together with facility engineers
 - iii. Develop the technical specification for replacement of the MCC #2 and MCC #3 buckets, and provide to CHPRC facility engineering for information.

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- iv. Provide cost and delivery quotation to CHPRC for the supply of replacement buckets for MCC #2 and MCC #3.
- b. Evaluation of WESF electrical panels for additional replacements. This work shall include the following:
 - i. During the field visit for MCC #2 and MCC #3 inspection, Contractor's Field Service Engineer shall work with the CHPRC facility engineers to evaluate other WESF electrical panels and equipment, to determine if any additional replacements are recommended.
 - ii. Contractor shall develop the technical specification for the additional recommended replacements, and provide to CHPRC facility engineering for information.
 - iii. Provide cost and delivery quotation to CHPRC for the supply of the additional replacement materials that Contractor recommends.
- c. CHPRC shall evaluate Contractor cost and delivery quotations provided above. If acceptable, CHPRC will separately order materials for replacement of the MCC #2 and MCC #3 buckets. Any additional replacements recommended by Contractor will likewise be evaluated by CHPRC, and if agreed and acceptable then those materials will also be ordered separately by CHPRC.
- d. Upon receipt of materials ordered as described above, CHPRC will determine the schedule for installing in the WESF facility, and will coordinate with Contractor so that Field Service Engineer(s) can be on site to support the installation and related work.
- e. Contractor will dispatch Field Service Engineer to the WESF facility, to support installation of replacement MCC #2 and MCC #3 buckets, as well as installation of any other materials procured. Contractor will also provide any troubleshooting assistance that may be necessary during installation.
- f. Contractor will provide a list of recommended spare parts and maintenance activities for the MCC buckets and other WESF facility electrical components that are evaluated during Contractor site visits.
- g. Note that any photos taken during WESF facility visits will require review and approval before they can be released to Contractor.
- h. Any documents provided by Contractor should be sent via email to the CHPRC Contract Specialist and BTR identified in 3.3 below.

3.1 Special Requirements

Contractor shall perform scope in accordance with this SOW and as supplemented by each individual Contract Release to this SOW, if applicable.

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3.2 Acceptance Criteria

Work products and services provided shall meet all applicable CHPRC procedures for control and review of work products and pertinent regulatory requirements, as required by this contract and incorporated provisions.

3.3 Organizational Interfaces

The Contractor shall interface with various CHPRC organizations through the CHPRC Contract Specialist (or designee), BTR and technical personnel, as required. These interfaces are:

- a. Contract Specialist – Shelby Chubb (shelby_r_chubb@rl.gov)
- b. BTR – Stephen Koegler (stephen_k_koegler@rl.gov)
- c. Technical Authority – Bill Zeithaml (William_J_Zeithaml@rl.gov)
- d. Field Work Supervisor – Juan Duarte (juan_duarte_salinas@rl.gov)

3.4 Work Not Included

Any work not described in this SOW is not included.

3.5 Buyer Furnished Materials and Equipment

The CHPRC will furnish the following materials, equipment and facilities at no cost to the Contractor for use in performing this work scope:

- a. None

3.6 Site Conditions and Known Hazards

As required to support work, the Contractor shall attend meetings and tours/walk-downs at the WESF facility and in office areas around WESF.

All Contractor tours / walk-downs shall be approved in advance by the BTR and performed with a CHPRC escort with assistance from Radiological Control as required. Planning for each tour / walk-down shall be performed consistent with CHPRC procedures. In general, site facility tours are expected to have low radiological risk. The primary hazards to participants are expected to be slips, trips and falls, and struck against, struck by, caught in or between hazards. For outdoor walk-downs, hazards may also include tick, snake and insect bites, and sun/heat/hydration concerns. Inspection work will require Lock out/Tag Out training. Specific site conditions and known hazards will be communicated by the BTR or designee prior to the walk-downs or inspections.

3.7 Site Coordination Requirements

The Contractor shall coordinate any on-Site activities in advance with the CHPRC BTR. The Contractor shall make contact with the BTR or designee when arriving at the facility site. Contractor personnel shall ensure they have received the necessary orientations, safety briefings, and related training prior to touring the site / facility.

4.0 TECHNICAL REQUIREMENTS

Contractor will perform in accordance with the terms and conditions of this contract, CHPRC internal policies and procedures, and quality assurance provisions, including safety programs, laws, orders, permits, rules, confidentiality of information and intellectual property safeguards.

4.1 Work Location / Access Requirements (if applicable)

- a. Training Location: VIVID Learning Center and HAMMER Training Center
- b. Work Location: Hanford 200E, Building 225B-DG-1

5.0 PERSONNEL REQUIREMENTS**5.1 Training and Qualification**

The Contractor is expected to provide appropriately trained and qualified staff to perform the type of work specified. Contractor personnel must display and maintain the necessary expertise, understanding of applicable industry standards, qualification and certification requirements to perform the assigned work.

Hanford Site-specific general training requirements to safely perform this work are identified below. Training shall be completed prior to performing the work and satisfactory completion of this training shall be documented.

The following types of training/qualifications are required.

- a. Hanford General Employee Training (HGET) – computer based training (CBT) that must be completed in Richland, WA
- b. CHPRC General Employee Training (CGET), CBT that must be completed in Richland, WA
- c. Facility specific CBT's for working at WESF, that must be completed in Richland, WA
- d. Lockout/Tagout Authorized Worker – classroom training (00313I, 8 hrs) that must be completed at the Hammer facility in Richland, WA

The required training will be documented in a written training plan that will be provided by the BTR in advance of site work, and shall be completed prior to work and verified by the BTR. The training will be scheduled by the BTR and will be provided to the contractor personnel by CHPRC.

5.2 Security and Badging Requirements

For any on-site work, see Special Provisions – On-Site Services SP-5 for details.

- a. The Contractor shall wear a CHPRC-issued security badge identifying himself/herself. A minimum of two working days advance notice is needed for site badging.
- b. Contractor employees will be required to submit to vehicle searches and not personally carry or transport certain prohibited articles.

5.3 Site Access and Work Hours

Work will be done on a 4 x 10 schedule, Monday through Thursday. The standard workday shall generally consist of ten (10) hours of work between 6:00 AM and 4:30 PM, with one-half hour designated as an unpaid period for lunch. Work does not generally take place on Fridays. If schedule alternative is required, BTR will communicate to contractor.

It is expected that Contractor will be on-site for approximately three to five days as follows:

- a. 1 – 1.5 days for Badging and Training
- b. 1 – 3 day(s) for initial inspection visit, and for support during installation, startup, and to provide training

6.0 ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY REQUIREMENTS

The Contractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Contractor shall comply with, and assist CHPRC in complying with Environmental, Safety, Health, and Quality (ESH&Q) requirements of all applicable laws, regulations and directives.

Materials supplied or purchased for use in performance of this contract, to the maximum extent practical, shall be environmentally preferred as described in 40 CFR 247 and including Biobased products as designated by the USDA . www.biopreferred.gov

The following project-specific ESH&Q requirements are applicable to this scope of work in addition to the requirements identified in the contract [General Provisions](#) and, when work is being conducted on site, the additional ESH&Q requirements in [SP-5 Special Provisions – On-Site Services](#).

6.1 Quality Assurance and Control

Contractor shall be responsible for performing quality workmanship and shall conduct the quality control measures necessary to ensure work conforms to requirements above. This work is being performed as a General Service and Quality Level 0. At a minimum, Contractor shall self-check all work for completeness and accuracy.

All documentation and equipment modifications associated with this work scope will be controlled using the CHPRC Quality Assurance Program. All equipment modifications, testing and operation will be conducted under the direct supervision of a Field Work Supervisor.

7.0 MEETINGS

7.1 Meetings

After contract award, the Contractor shall participate in meetings as determined by the BTR. Other on-site meetings will include pre-job briefings to be held each morning while the contractor is on-site.

7.2 Submittals

The following submittals are required from Contractor:

- a. Dates that the contractor will be available to perform the initial site visit (3.0.a.i above), to be included as a part of Contractor's proposal.
- b. Contractor's technical specification, and cost and delivery quotation, for replacement of MCC #2 and MCC#3 buckets (3.0.a.iii, and 3.0.a.iv. above).
- c. Contractor's technical specification, and cost and delivery quotation, for any additional recommended replacements (3.0.b.ii, and 3.0.b.iii. above).
- d. Contractors listing of recommended spare parts and maintenance activities (3.0.f above).

8.0 DELIVERABLES, PROJECT CONTROLS, MILESTONES, AND PERFORMANCE SCHEDULE REQUIREMENTS

The Contractor shall provide administrative and technical support within their Knowledge, Skills, and Abilities. Deliverables include completion of actions described in Sections 3.0, 3.1 and 7.2 above.