Replace Boiler Fire Tubes — Building 165 (MCAAP)

1.0 Background and Scope

The McAlester Army Ammunition Plant (MCAAP) has a requirement to replace the fire tubes on Boiler No. 1 and Boiler No. 2 located in Building 165. A severe leak in an isolated fire tube has rendered the units inoperable. The contractor shall mobilize a certified boiler mechanic to perform all necessary labor, cutting, welding, installation, and testing required to return both boilers to safe operational status.

2.0 Equipment Details

The work shall be performed on the following government-owned equipment:

Equipment Description	Model Number	Serial Number	Location
Boiler No. 1	Cleaver-Brooks CB200-250-150ST	L54363	Building 165
Boiler No. 2	Cleaver-Brooks CB200-250-150ST	L54362	Building 165

3.0 Technical Requirements & Contractor Tasks

The Contractor shall perform the following tasks:

- Mobilization: Mobilize a qualified boiler mechanic to the job site. The contractor shall supply all necessary specialized tools, piping, hardware, and electrical components required to complete the installation.
- Technical Execution:
  - Cut two (2) flush patches on each side of the fire tunnel. If a flush patch is technically unfeasible, a tube ligament repair shall be utilized as the secondary option.
  - Remove legacy fire tubes and install the government-furnished replacement fire tubes.
  - Perform seal welding of tubes as necessary in accordance with applicable ASME codes.
- Testing & Restoration:
  - Perform a hydrostatic test ("hydro") of the boilers up to standard operating pressure to verify structural integrity.
  - Complete the formal closing/sealing of both the waterside and fireside of the vessels.
- Housekeeping: Clean and restore the work area to its pre-work condition daily. The contractor is responsible for disposing of contractor-generated waste into the government-provided dumpsters.

4.0 Government-Furnished Property (GFP) and Services

The Government will provide the following to facilitate the work:

- Materials: Replacement fire tubes (to be received, unloaded, hauled, and staged near the boilers by the Government).
- Utilities: Electricity, water, and access to sanitary facilities.
- Disposal: On-site trash dumpsters for work-related waste.

5.0 Period of Performance and Hours of Work

- Hours: All work shall be performed during normal business hours, Monday through Friday, excluding federal holidays, unless authorized in writing by the Contracting Officer (KO).
- Timeline: The contractor shall complete all work within `(30)` calendar days of mobilization.

6.0 Safety and Liability

- Safety Standards: The contractor shall comply with all OSHA guidelines and USACE EM 385-1-1 safety regulations.
- Liability: The contractor is responsible for any damage caused directly by their personnel or equipment during execution. The contractor is not liable for pre-existing damage, or waste left behind by third parties.

7.0 Security Requirements (Installation Access)

- All contractor personnel must be U.S. citizens and must pass a background check to obtain entry credentials to MCAAP.
- The contractor shall coordinate gate access and escort requirements with the POC least (2) business days prior to mobilization.