SECTION C – SCOPE OF WORK

C.1. PROJECT DESCRIPTION

Title:	PH21CR02H6 - PIHC – Boiler M-CB 700-40 Repair
Purpose:	Vendor shall provide Boiler Repair Services on the existing Cleaver-Brooks CB700 boiler at the Parker Indian Health Center (PIHC)
Location:	The PIHC is located at 12033 W Agency Ave, Parker, AZ 85344

C.2. BACKGROUND/EXISTING CONDITIONS

The Parker Indian Health Center (PIHC) is located on the Colorado River Indian Tribes (CRIT) Reservation in Parker, La Paz County, Arizona and serves approximately 7,850 people from the surrounding Mohaves and the Chemehuevis Tribes. PIHC is a 17-bed Critical Access Hospital that provides the American Indian/Alaskan Native community with general medical services. Specialty outpatient services are provided on-site by IHS or off-site referrals. PIHC serves approximately 7,850 patients and the facility has been accredited by The Joint Commission for hospital standards.

The boiler system at the PIHC facility has experienced a critical failure requiring emergency repair and immediate project coordination. All travel, per diem, labor, supervision, and related costs shall be included in the contract price. The situation will become increasingly critical as we approach the extreme summer temperatures in Parker.

The purpose of this Statement of Work (SOW) is to provide labor, supervision, materials, equipment, testing, commissioning, and inspection support services necessary to repair, restore, test, commission, and return the Cleaver-Brooks CB700-40 boiler to safe, reliable, and code-compliant operating condition in accordance with applicable Federal, State, local, manufacturer, and Indian Health Service (IHS) requirements.

The Vendor shall provide all management, supervision, labor, materials, tools, instrumentation, consumables, transportation, and technical expertise necessary to complete the work described herein. The Vendor shall be responsible for all labor, supervision, travel, per diem and other expenses required.

a. The information provided is approximate and is intended for estimating purposes only. Refer to **Attachment J01a – Existing Site Conditions – Boiler M-CB 700-40** for photos and general information about the project site. These documents are schematic in nature and do not represent as-built conditions. The Vendor is responsible for reviewing the attachment, verifying all existing site conditions in the field, and making any necessary adjustments to accommodate actual site conditions.

b. The information below is provided for reference only and shall be verified by the Vendor. Existing equipment characteristics shall be confirmed during field investigation. The existing Cleaver-Brooks CB700-400 is a gas-fired, packaged firetube boiler with a rated capacity of 400 boiler horsepower (BHP). The existing boiler characteristics are as follows:

1.	Model	CB-700-40
2.	Serial No.	L-99867
3.	Max. Pressure	30 psi
4.	Fuel	Natural Gas (700 series)
5.	Boiler HP	40 HP
6.	Steam Capacity	~1,380 lb/hr
7.	Input	~1.675 MMBTU/hr

C.3 SUBMITTALS

a. Submittals shall be transmitted to the COR for IHS approval.

b. Within 14 calendar days after award or as otherwise established by the Contracting Officer, all materials and articles requiring approval, IAW 52.236-5, Material and Workmanship, shall be submitted by the Vendor using a transmittal sheet as approved by the COR. IHS review comments will be returned within 14 calendar days after receipt of submittals. Refer to scope sections for detailed requirements of each submittal.

c. All submittals pertaining to Vendor furnished equipment and furnishings.

   1. Fireside Gasket Kit
   2. Ignition Electrode Assembly
   3. Flame Scanner Cable (48-inch)
   4. Boiler Gasket Kit
   5. Handhole Assemblies and Gaskets

C.4. SCOPE OF WORK (SOW)

The Vendor shall be responsible for all necessary work to achieve required outcomes, including labor, equipment, tools, personal protective equipment (PPE), coordination with Authorities Having Jurisdiction (AHJ), internal construction permits, incidentals, travel, TERO fees, and other related expenses described in the SOW. The Vendor shall perform all work necessary to diagnose, repair, test, recommission, and support inspection activities associated with the subject boiler system. The work shall include, but is not limited to, the following:

a. Boiler Repair Services
   The Vendor shall provide and install all materials and replacement components required to complete repairs, including but not limited to:

   1. Burner and Ignition Components
      i. Replace ignition electrode assembly.
      ii. Replace IR flame scanner cable (48-inch cable).
      iii. Inspect and verify flame safeguard system operation.
      iv. Verify proper pilot ignition and flame signal integrity.

   2. Gaskets and Pressure Boundary Components
      i. Replace complete gasket kit as required.
      ii. Replace and reseal handhole assemblies and associated gaskets.
      iii. Inspect all accessible pressure boundary sealing surfaces.

   3. Fireside Inspection and Repair
      i. Perform fireside inspection of combustion chamber and heat transfer surfaces.
      ii. Remove soot, debris, and combustion residue as necessary.
      iii. Inspect refractory for cracks, deterioration, or flame impingement damage.
      iv. Repair or replace refractory materials as required.

b. Boiler Mechanical Inspection

   1. Inspect:
      i. tubes,
      ii. doors,
      iii. linkage assemblies,

iv. burner components,
v. damper assemblies,
vi. actuators,
vii. and related mechanical systems.

2. Identify any additional deficiencies affecting safe operation. Repairs beyond the specific components identified in this SOW shall be documented and submitted to the COR for review prior to execution.

c. Electrical and Controls Verification

1. The Vendor shall inspect and verify operation of:
   i. Burner Management System (BMS)
   ii. Flame safeguard controls
   iii. Operating controls
   iv. High-limit controls
   v. Low-water cutoff devices
   vi. Pressure controls
   vii. Fuel train safety interlocks
   viii. Combustion air proving switches
   ix. Electrical grounding and wiring terminations

2. The Vendor shall correct minor wiring deficiencies necessary for safe operation, correct loose terminations, damaged wire markers, and minor wiring deficiencies directly associated with equipment included in this SOW.

d. Fuel Train Inspection and Testing

1. The Vendor shall:
   i. Inspect fuel train components for compliance with manufacturer recommendations and applicable codes.
   ii. Perform leak testing of fuel train components and piping.
   iii. Verify regulator settings, valve operation, and shutoff functionality.
   iv. Verify purge cycle operation and safety shutdown sequence.

e. Waterside Inspection

1. The Vendor shall inspect accessible waterside surfaces for:
   i. corrosion,
   ii. scale accumulation,
   iii. pitting,
   iv. and signs of leakage.

2. Document findings and provide recommendations for corrective action if deficiencies are identified.

f. Hydrostatic Testing

1. The Vendor shall: Perform hydrostatic testing only where required by ASME, NBIC, AHJ, or repair scope:
   i. ASME Code requirements,
   ii. National Board Inspection Code (NBIC),

iii. manufacturer recommendations,
iv. and local jurisdictional requirements.

2. Provide test documentation and results.

g. Combustion Testing and Burner Tuning

1. The Vendor shall:
   i. Perform complete combustion analysis under operating conditions.
   ii. Tune burner operation throughout firing range.
   iii. Record and document: O_2, CO, CO_2, stack temperature, excess air, and draft measurements.

2. The Vendor shall adjust burner controls to achieve safe and efficient combustion operation within manufacturer-recommended parameters.

C.5. STARTUP, TESTING AND COMMISSIONING

a. Following repairs, the Vendor shall:

1. Reassemble boiler and associated equipment.
2. Fill and vent boiler system as required.
3. Perform startup and commissioning activities.
4. Cycle boiler through operational sequences.
5. Verify proper operation under automatic and manual control modes.
6. Verify all alarms, safeties, and shutdown functions operate correctly.
7. When any defects are detected, correct defects and repeat test at no additional cost or time to the Government.

b. Inspection Support and Certification Coordination

1. The Vendor shall:
   i. Coordinate with applicable inspection authority having jurisdiction (AHJ), insurance inspector, or State boiler inspector as required.
   ii. Support inspection activities necessary for return-to-service approval.
   iii. Correct minor punch-list deficiencies identified during inspection that are directly related to work performed under this SOW.

C.6. DEMONSTRATION AND TESTING

a. Provide services of Vendor's technical representative for 1 hour to instruct each Service Unit personnel responsible in operation and maintenance of the system.

C.7 DOCUMENTATION AND REPORTING

a. Upon completion of work, the Vendor shall provide a final service and commissioning report including:

1. Description of repairs performed
2. Parts and materials installed
3. Combustion test results
4. Startup and commissioning records
5. Safety control test results
6. Hydrostatic test documentation (if performed)

7. Inspection findings
8. Deficiency list and recommendations
9. Photographs of completed work, if requested

b. All documentation shall be submitted electronically in PDF format.

c. Vendor Qualifications

1. The Vendor shall:
   i. Be licensed to perform boiler repair and burner service work in the applicable jurisdiction.
   ii. Utilize qualified boiler technicians experienced with Cleaver-Brooks equipment.
   iii. Maintain all required certifications, insurance, and permits.
   iv. Ensure combustion analysis instruments are currently calibrated.

d. Safety Requirements

1. The Vendor shall comply with all applicable:
   i. OSHA safety standards
   ii. IHS facility safety requirements
   iii. Infection control requirements, if applicable
   iv. Lockout/Tagout procedures
   v. Confined space requirements, if applicable

2. The Vendor shall maintain a clean and safe work area throughout the project duration.

C.8. DELIVERABLES

a. The Vendor shall provide:

1. Project schedule
2. Safety plan
3. Repair completion report
4. Combustion analysis report
5. Startup and commissioning documentation
6. Inspection/test reports
7. Final recommendations for preventive maintenance and future repairs

C.9 ACCEPTANCE CRITERIA

a. Work shall be considered complete when:

1. Repairs are completed in accordance with this SOW;
2. Boiler operates safely and reliably;
3. All required safety devices function properly;
4. Combustion results are within acceptable manufacturer parameters;
5. Coordinate with AHJ, insurance inspector, or State boiler inspector as required."
6. Final documentation is submitted and accepted by the Government.

C.10. CLOSEOUT AND WARRANTY

a. The Vendor shall provide a project warranty for a period of ONE (1) YEAR from the date of final acceptance of the work. If the Government takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one year

from the date the Government takes possession. The Vendor shall provide a general project warranty supported by warranties from each supplier. All warranties shall state time of beginning of warranty, period of warranty, shall be an original document on the company's official letterhead, shall be signed by an authorized agent of the company.

b. The Vendor shall provide manufacturer's warranties for all parts installation from date of final acceptance as provided for under FAR.
c. Vendor shall provide all Operation and Maintenance (O&M) Manual and warranty certificates within seven (7) calendar days of project completion.
d. Data shall include manufacturer's standard literature, equipment data sheets, vendor-furnished as-built drawings; custom written data not included in manufacturer's standard literature; schedules, warranties, parts lists, test results, and vendor list.
e. Vendor shall provide all approved submittals, shop drawings and cutsheets of parts installed.
f. Final Payment will not be authorized until all O&M's and warranty certificates are submitted and approved.

C.11. GENERAL REQUIREMENTS

a. PROJECT MANAGEMENT
    1. Scheduling of work shall be in close cooperation with the Facility Manager and the Contracting Officer Representative (COR). The facility shall have no unplanned functional disruptions resulting from the Vendor's planning and execution of project work and requirements or lack of planning
    2. Communication with the COR, Facility Manager, and Healthcare staff to coordinate meetings and building/site visits is required.
    3. The Vendor shall coordinate with the PIHC. The Vendor to provide only such labor as required to assist with mechanical, electrical and plumbing connections.

b. VENDOR SECURITY REQUIREMENTS
    1. Prior to beginning on-site work on this project, the Vendor shall provide a list of all on-site personnel, including second and third-tier subcontractors to the Contracting Officer (CO) through the COR.
    2. The Vendor shall update this list when changes occur.
    3. Vendor personnel not listed may be denied access to the project site.
    4. Vendor personnel will be restricted to designated working areas.
    5. Vendor personnel shall have photo identification with company name at all times on their person while working on this project.
    6. Vendor personnel shall have photo identification with company name at all times on their person while working on this project.
    7. Vendor shall provide the COR with 24 hours of advance notice of every delivery to the site (e.g., concrete, lumber, etc.) and provide the company name making such delivery.

c. WORK HOURS
    1. The Vendor shall coordinate with the Facility Manager and the COR, including but not limited to the PIHC. The Vendor shall provide a schedule indicating the date(s) that delivery and installation are planned to occur. Normal hours of operation of the facility are 8:00 AM – 5:00 PM, Monday through Friday (excluding Federal

holidays). Work shall occur during these hours unless specifically coordinated with the Facility Manager and approved by the CO.

d. WASTE

1. Vendor shall remove and dispose of excess materials, debris, or waste at an approved off-site location in accordance with applicable Local, Tribal, State and Federal laws and regulations, and pay any related fees. Burning or burial of materials is not permitted. Vendor shall provide all required waste storage containers and coordinate their location on site with the COR and Facility Manager.
2. Housekeeping will be accomplished on a daily basis. All debris and trash generated by this project will be disposed of properly in accordance with governing national, state and local environmental regulations.
3. All construction debris and waste material shall be disposed at an EPA approved site. Hospital dumpsters are not available for Vendor's use. All unused materials and debris shall be removed from the site and properly disposed of by the Vendor. All materials leaving site shall be covered to ensure proper transport.

e. SCHEDULE OF VALUES

1. Vendor shall submit the Schedule of Values for COR review and IHS approval.

f. CONTRACT SAFETY AND ACCIDENT PREVENTION

1. Vendor shall be responsible for complete and strict compliance with the PIHC policies and permitting requirements including the safety policy, interim life safety policy, and infection control policy. These policies shall be made available to the Vendor at their request.
2. Vendor shall maintain access to and from each building, allowing required egress and ingress by visitors and staff.
3. Fire Extinguishers: Provide and maintain portable, UL rated, with classes of fire exposure and extinguishing agent in construction areas and temporary storage areas in accordance with 29 CFR 1926, comply with NFPA 241 and NFPA 10.

g. DRUG FREE/TOBACCO FREE SITE

1. Drinking alcoholic beverages or using of drugs or tobacco on the site location will not be tolerated. There is zero tolerance for this behavior on the work site. The COR will require the Vendor to remove from the job those employees who endanger persons or property; those who manufacture, distribute, dispense, possess or use controlled substances at the worksite (FAR Clause 52.223-6, Drug-Free Workplace); and those whose continued employment under this contract is inconsistent with the interest of security or for any and all other reasons as determined by the CO as objectionable
2. Smoking: Smoking within the PIHC campus grounds, buildings or temporary storage interior and exterior spaces of IHS operated properties. Security personnel shall ask patients or visitors who refuse to comply with the policy to leave the property and shall document the incident. Reference Indian Health Manual, Part 5, Chapter 3 - Tobacco-Free Policy.

h. CLEANING UP

1. The Vendor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. Before completing the work, the vendor shall remove from the work and premises any rubbish, tools, scaffolding, equipment, and materials that are not the property of the Government. Upon completing the work, the

Vendor shall leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer.

C12. PERIOD OF PERFORMANCE

a. All work shall be completed within **30 calendar days following the Notice to Proceed** issued by the CO. The **30** calendar days includes time for the submittal review period, long lead orders, equipment setup/installation and final inspection.

C.13. TRIBAL EMPLOYMENT RIGHTS ORDINACE (TERO) and OFFICE OF REVENUE COMMISSION

a. Vendor is required to contact the CRIT Tribal Employment Rights Ordinance (TERO) Office upon receipt of notification of award. Compliance with the tribal employment ordinance is required prior to starting work on any project performed on Tribal Land including payment of associated TERO fees/permits.
b. Obtain a Business License from CRIT Tribal Employment Rights Office (TERO). The Vendor and each subcontractor are required to obtain the business license on each project. Submit required paperwork and pay business license fees.
c. The CRIT TERO is located at 26600 Mohave Road, Parker, Arizona 85344; office number is (928) 669-1380 or (928) 699-1390; https://crit-nsn.gov/crittero/.

C.14. CODE, STANDARD AND GUIDELINES

a. Vendor is responsible for securing all needed permits and for ensuring compliance with the latest editions of all federal, state, tribal, and local codes as well as design standards.

b. Vendor shall adhere to the following code requirements for work performed, testing and inspections, including, but not limited to the following:
   1. International Building Code (IBC) Latest Edition
   2. International Mechanical Code (IMC) Latest Edition
   3. International Plumbing Code (IPC) Latest Edition
   4. International Fuel Gas Code (IFGC) Latest Edition
   5. International Energy Conservation Code (IECC) Latest Edition
   6. National Electric Code (NEC) Latest NFPA 101
   7. ANSI A1147.1 Accessibility Code Latest Edition
   8. ASME Boiler and Pressure Vessel Code Latest Edition
   9. National Board Inspection Code (NBIC) Latest Edition
   10. NFPA 85 Latest Edition
   11. NFPA 54 Latest Edition
   12. OSHA regulations Latest Edition
   13. Indian Health Service (IHS) safety and contracting requirements Latest Edition

c. If discrepancies are found between the scope of work and codes or standards as referenced in this SOW, the codes or standards shall govern, unless noted otherwise. Any discrepancies or conflicts that may arise shall be brought to the attention of the

C.15. ATTACHMENTS

a. Attachment J01a – Existing Site Conditions - Boiler M-CB 700-40

END OF SECTION