STATEMENT OF WORK (SOW) Installation of Government-Owned Hotsy Steam Cleaner, Air Compressor, Electrical Panel Modifications, Gas Piping, and Surge Protection Logistics Readiness Center (LRC) Joint Base McGuire-Dix-Lakehurst (JB MDL) Building 8411, Range Road, JB MDL, NJ 08640

1.0 SCOPE

This Statement of Work (SOW) defines the requirements for the installation of one (1) Government-owned Hotsy Steam Cleaner, one (1) Government-owned Air Compressor, associated electrical wiring, electrical panel modifications, natural gas piping, and surge protection at the Logistics Readiness Center (LRC), Building 8411, Joint Base McGuire-Dix-Lakehurst (JB MDL), New Jersey.

The contractor shall furnish all labor, materials, equipment, tools, supervision, and transportation necessary to complete the installation in accordance with applicable codes, regulations, and manufacturer specifications.

2.0 APPLICABLE DOCUMENTS

The contractor shall comply with the most current versions of the following:

- National Electrical Code (NEC)
- Occupational Safety and Health Administration (OSHA) Regulations
- Unified Facilities Criteria (UFC) for electrical and mechanical systems
- DoD and Army Safety Regulations
- JB MDL Installation Policies and Access Requirements
- Manufacturer installation instructions for the Hotsy Steam Cleaner and Air Compressor

3.0 GOVERNMENT-FURNISHED PROPERTY (GFP)

The Government will provide the following equipment:

- One (1) Hotsy Steam Cleaner
- One (1) Air Compressor
- Manufacturer documentation for both systems

The contractor shall safeguard GFP while under their control.

4.0 EQUIPMENT INFORMATION

4.1 Hotsy Steam Cleaner

- Model: 5762SS 208
- Serial Number: 11096540 100120

- Manufacturer Part Number: 1.109 654.0

Technical Specifications

- Pressure: 3000 PSI
- Flow Rate: 7.8 GPM
- Nozzle Size: 0.09
- BTU Rating: 720,450 BTU
- Maximum Temperature: 225°F

Electrical Requirements

- 208 VAC, 55A, 60 Hz, 3 Phase

Gas Requirements

- Gas Pressure: 1/2 psig
- Burner Orifice: 50
- Manifold Pressure: 5.0” WC
- Fuel Type: Natural Gas
- Altitude Rating: 0–2000 ft

5.0 REQUIREMENTS

5.1 Mandatory Onsite Survey

The contractor shall conduct a comprehensive onsite survey prior to installation. The survey shall include:

- Verification of equipment locations, mounting requirements, and clearances
- Assessment of existing electrical panels for capacity and compatibility
- Identification of conduit routing, penetrations, and structural considerations
- Confirmation of conductor sizing, conduit lengths, and protective devices
- Identification of additional work required for code compliance
- Submission of a written survey report to the Government

No installation work shall begin until the Government approves the survey.

6.0 INSTALLATION TASKS

6.1 Hotsy Steam Cleaner Installation

6.1.1 Electrical Installation

The contractor shall:

- Install approx. 190 ft of feed wire from the electrical panel to the steam cleaner
- Install approx. 190 ft of conduit along the required route
- Replace the existing breaker with a properly sized breaker
- Terminate and secure obsolete wiring or conduit
- Make final electrical connections per NEC and manufacturer specifications

6.1.2 Gas Piping Installation

The contractor shall:

- Install approx. 30 ft of natural gas piping from ceiling to equipment
- Provide all fittings, supports, shutoff valves, and unions
- Perform leak testing and verify proper gas pressure and flow

6.1.3 Equipment Setup & Commissioning

The contractor shall:

- Position and secure the steam cleaner in the designated wash bay
- Connect all utilities (gas and electrical)
- Verify burner operation, pump performance, and control functionality
- Conduct startup, calibration, and operational testing

6.2 Air Compressor Installation

6.2.1 Mechanical Installation

The contractor shall:

- Position and secure the compressor at the designated location
- Install vibration pads, mounting hardware, and anchoring
- Connect air lines, drains, and fittings per manufacturer specifications
- Ensure adequate ventilation and clearances

6.2.2 Electrical Installation

The contractor shall:

- Provide dedicated wiring from the existing electrical control panel
- Install conduit, conductors, terminations, and labeling per NEC
- Modify or upgrade electrical panel components as required
- Install a local disconnect switch if not present
- Perform functional testing of all electrical connections

6.2.3 Surge Protection

The contractor shall:

- Install a fusible link, surge protective device (SPD), or equivalent
- Ensure proper voltage and amperage rating
- Integrate SPD into the electrical panel or local disconnect
- Test and verify proper operation

7.0 CONTRACTOR RESPONSIBILITIES

The contractor shall:

- Provide qualified personnel trained in electrical and mechanical installation
- Ensure compliance with all codes, regulations, and safety requirements
- Coordinate access, outages, and scheduling with LRC personnel
- Maintain a clean and safe worksite
- Dispose of waste in accordance with JB MDL environmental policies

8.0 GOVERNMENT RESPONSIBILITIES

The Government shall:

- Provide access to Building 8411
- Provide GFP and documentation
- Review and approve the onsite survey
- Coordinate required facility shutdowns

9.0 QUALITY ASSURANCE

Government personnel will monitor contractor performance. Work not meeting contract requirements shall be corrected at no additional cost.

10.0 DELIVERABLES

The contractor shall provide:

- Onsite survey report
- As-built drawings and wiring diagrams
- Surge protection documentation
- Test and commissioning report
- Gas leak test results
- Electrical verification documentation
- Warranty documentation

11.0 PERIOD OF PERFORMANCE

- Onsite Survey Completion: _____
- Installation Start Date: _____
- Estimated Duration: _____
- Final Completion and Turnover: _____

12.0 ACCEPTANCE CRITERIA

The project will be considered complete when:

- Survey is completed and approved
- Steam cleaner and air compressor are fully installed and operational
- All electrical, gas, and surge protection systems are tested and verified
- All deliverables are submitted and accepted

13.0 POINTS OF CONTACT

Government Representative Name: ___Ronnie Walker_____ Title: _Logistics Management Specialist_____ Phone: ___856-562-5464_____ Email: ___ronnie.walker1.civ@army.mil_____

Contractor Representative Name: _____Ronnie Walker_____ Title: _____ Phone: _____ Email: _____