STATEMENT OF WORK

UPS ROOM MINI SPLIT REPLACEMENT

Bureau of Land Management – Lewistown Fire

1. BACKGROUND

The Bureau of Land Management (BLM), Lewistown Fire facility requires replacement of a failed ductless mini split air conditioning system serving the UPS (Uninterruptible Power Supply) room. The existing system is an inoperable LG LSU180CE approximately 18,000 BTU capacity.

The UPS room contains critical electrical and communications support equipment requiring reliable cooling to maintain proper operating temperatures and equipment performance.

Project location:

303 East Aztec Drive
Lewistown, MT 59457

2. SCOPE OF WORK

The contractor shall furnish all labor, materials, supervision, tools, transportation, equipment, permits, and incidentals necessary to remove the existing failed mini split system and provide a complete new operational ductless split-system air conditioning unit serving the UPS room.

Work includes all components necessary for a complete and functional installation.

3. OBJECTIVES

The objective of this project is to restore dependable climate control to the UPS room through installation of a new energy-efficient mini split system capable of maintaining suitable room temperature for mission-critical equipment.

4. TASKS

The contractor shall complete the following:

A. Field Verification

1. Verify all existing field conditions prior to ordering equipment.
2. Verify dimensions, electrical service, mounting conditions, and line set routing.

B. Removal of Existing Equipment

1. Recover refrigerant in accordance with EPA regulations.
2. Remove existing indoor unit, outdoor condenser, controls, and accessories.
3. Dispose of removed equipment and refrigerant offsite in accordance with applicable regulations.

C. New Equipment Installation

1. Furnish and install one new matched indoor/outdoor mini split system.
2. Minimum cooling capacity shall be **18,000 BTU/hr**.
3. Unit shall operate on existing **208/230V, single phase, 60 Hz** electrical service. Contractor shall verify that existing electrical service, conductors, disconnects, overcurrent protection, and breakers are adequate and compatible with the new equipment requirements. Contractor shall provide and install any electrical modifications necessary for a complete code-compliant installation.
4. Install new mounting bracket, composite pad, or approved support system. Wood blocking is not acceptable.
5. Replace refrigerant line set and insulation.
6. Install new condensate drain to exterior discharge point.
7. Install new controls.
8. Reconnect electrical power.
9. Seal all wall penetrations weather-tight.

D. Equipment Minimum Features

System shall include:

1. Automatic restart after power outage.
2. Programmable controls or remote thermostat.
3. Multiple fan speeds.
4. Cooling operation suitable for year-round use.

5. Self-diagnostics or fault indication.
6. Manufacturer listed matched system.
7. System shall meet current applicable federal and industry minimum energy efficiency standards for HVAC equipment.

E. Startup / Testing

1. Evacuate, charge, and commission system per manufacturer requirements.
2. Test cooling mode operation.
3. Verify condensate drainage.
4. Verify controls and restart functions.
5. Demonstrate operation to Government representative.

5. SUBMITTALS

Prior to installation, contractor shall provide:

1. Manufacturer product data.
2. Equipment model numbers.
3. Capacity and electrical data.
4. Warranty information.
5. Proposed installation schedule.
6. Montana contractor registration information.
7. Electrical contractor license information, if electrical work is performed.

At project completion provide:

1. Operating manuals.
2. Warranty documents (1-year minimum materials/labor).
3. Startup/commissioning documentation.

6. QUALITY REQUIREMENTS

All work shall be completed in a neat and professional manner by qualified personnel experienced in HVAC installation and refrigerant handling.

Installation shall comply with:

- Manufacturer installation requirements
- Current National Electrical Code (NEC)
- International Mechanical Code (IMC), as applicable
- EPA refrigerant handling requirements
- Applicable Montana State electrical and building requirements
- Applicable local codes and permit requirements

All materials and equipment shall be installed in accordance with recognized industry standards and manufacturer recommendations.

7. PLACE OF PERFORMANCE

Bureau of Land Management Facility
303 East Aztec Drive
Lewistown, MT 59457

8. PERIOD OF PERFORMANCE

Work shall be completed within 60 calendar days after Contract Award, unless otherwise approved by the Contracting Officer.

9. INSPECTION AND ACCEPTANCE

Final acceptance shall occur after Government inspection confirms:

1. Complete installation.
2. Proper cooling performance.
3. Functional controls.
4. Clean jobsite.
5. Delivery of all manuals and warranties.

10. BASIS OF PAYMENT

Payment shall be made on a **lump sum basis** after complete installation, successful testing, and Government acceptance.