

Statement of Work – UPS Relocation and Installation

Office of Environmental Information

Office of Technology Operations and Planning

Background

The U.S. Environmental Protection Agency's (EPA) Office of Environmental Information (OEI) manages the lifecycle of information to support EPA's mission of protecting human health and the Environment. OEI identifies and implements innovative information technology (IT) and information management solutions that strengthen EPA's ability to achieve its goals. OEI ensures the quality of EPA's information, and the efficiency and reliability of EPA's technology, data collection and exchange efforts, and data access services. OEI is responsible for the management and implementation of a secure IT infrastructure and ensures that this infrastructure provides EPA with IT solutions which support mission success. In addition, OEI is charged with IT investment management, which entails annual reviews of the IT portfolio of the Agency, maintenance of the enterprise architecture, and development of policies and standards to guide IT expenditures. OEI also leads the Agency's security program, which is charged with ensuring that the Agency maintains a secure IT environment.

The Office of Technology Operations and Planning (OTOP) develops and implements policies for information technology and security to ensure the adequacy and integrity of EPA's infrastructure. As part of OTOP's program tasks, a reorganization of some EPA facility computer rooms and corresponding IT equipment is required. The following sections outline a need for assistance in this reorganization through removal, transport, reinstallation, and disposal of a number of UPS units and its corresponding peripherals at two (2) EPA facilities located in Washington, D.C.

Scope

OTOP requires: A) Relocation of an existing Uninterruptible Power Supply (UPS) system and its corresponding peripherals; B) Installation of a new Mitsubishi 2033G 30KVA UPS system (including its purchase); and C) Disposal of uninstalled components as described below. The applicable locations for this work are:

MOVING FROM

Ronald Reagan Building
1300 Pennsylvania Ave. NW
Washington D.C. 20004
Basement Room B1-12

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MOVING TO

EPA East Building
1201 Constitution Ave. NW
Washington D.C. 20004
Basement Room B149

Tasks

TASK 1: NEW SYSTEM INSTALLATION

The contractor shall install a new Mitsubishi 2033G 30KVA UPS and its corresponding peripherals (to be purchased as part of this Order) in the Ronald Reagan Building's B1.6B computer room. This installation shall be completed prior to the start of all other tasks. The contractor shall:

- a. Provide and install a new Mitsubishi 2033G 30KVA UPS
- b. Install corresponding Battery Cabinet that supports 21 minutes at full load for the UPS
- c. Install a 3-Breaker Maintenance Bypass Panel for this UPS
- d. Install a Power Distribution Panel that will feed two (2) 20 amp circuit breakers to each of seven (7) cabinet racks located in the same room (Total 14 breakers)
- e. Install Duplex Electrical Outlets for each of the 14 circuits
- f. Perform system power-up

Installation and wiring work shall be completed during normal business hours, Monday through Friday. System power-up shall be completed on Saturday/Sunday only.

TASK 2: UNINSTALL AND DISPOSAL

Ronald Reagan Building

The contractor shall uninstall the following items from the Ronald Reagan Building location for transport to EPA East:

- a. One (1) Mitsubishi UPS currently in place
- b. Two (2) EPE Technologies, Inc. battery (not bayed) cabinets connected to current UPS

The contractor shall uninstall the following items from the Ronald Reagan Building location for transport to another corner of same location:

- a. The contractor shall move one (1) 150kVA MGE PDU including side-mounted sidecar containing three (3) 225A output panels (which feed approx. 80 power cables below a raised floor) to the corner for temporary storage

The contractor shall uninstall and dispose of the following uninstalled items from the Ronald Reagan Building location:

- a. Eighty (80) VRLA batteries currently housed in battery cabinets (see above). *A disposal certificate shall be submitted to the Project Officer within 10 calendar days of overall project completion.*

- b. Up to Eighty (80) under-floor power cables and gain (quad outlet) electrical boxes located throughout the room. *Compatible and functional cables of good quality shall be retained for reinstallation. Poor condition cables only shall be disposed.*

EPA East Building

The contractor shall uninstall and dispose the following items from the EPA East Building location:

- a. One (1) MGE Comet UPS currently in place
- b. One (1) EPE Technologies, Inc. battery (not bayed) cabinet connected to current UPS
- c. Thirty-six (36) batteries currently housed in above cabinet

A disposal certificate shall be submitted to the Project Officer within 10 calendar days of overall project completion.

The contractor shall uninstall the following items from the EPA East Building location for transport to another corner of same location:

- a. One (1) Power Battery Co. Cabinet
- b. Thirty-six (36) TC-12120S 12V VRLA batteries housed in the above

TASK 3: TRANSPORT AND REINSTALLATION

During the reinstallation process, EPA's electrical system shall not be disabled or de-energized without direct approval from the Project Officer. The contractor shall perform open-system testing prior to re-energizing the electrical system. Transport, installation, and wiring work shall be completed during normal business hours, Monday through Friday. System power-up shall be completed on Saturday/Sunday only.

EPA East Building

The contractor shall transport the following uninstalled items from the alternate location and reinstall them in the EPA East Building:

- a. One (1) Mitsubishi UPS
- b. Two (2) EPE Technologies, Inc. battery (not bayed) cabinets connected to Mitsubishi UPS
- c. One (1) EPE Technologies, Inc. battery (not bayed) cabinet previously connected to the MGE Comet UPS (already in EPA East)
- d. Thirty-six (36) batteries formerly in the EPE Technologies, Inc. cabinet (already in EPA East)
- e. The contractor shall provide and install forty four (44) new TC-12120S 12V VRLA batteries in the battery cabinets mentioned above connected to the Mitsubishi UPS. These batteries shall be compatible and work with the batteries listed above in item c & d.

- f. Perform UPS startup procedures by a factory-trained technician who shall perform a load test.
- g. Restore UPS-protected power to IT systems after hours (Saturday).

Ronald Reagan Building

The contractor shall transport the following uninstalled items from the alternate location and reinstall them in the Ronald Reagan Building:

- a. One (1) 150kVA MGE PDU including side-mounted sidecar containing three (3) 225A output panels
- b. Eighty (80) under-floor power cables and gain (quad outlet) electrical boxes (to be purchased under this Order as needed) to be connected to existing 7 Telecom racks

TASK 4: FINALIZATION

The contractor shall perform a project closeout with the Project Officer, including walk-through of both facilities and demonstration of system functionality. As previously mentioned, disposal certificates shall be submitted to the Project Officer within ten (10) calendar days of completion of the project.

Additional Information

Contact the Contract Specialist for floor plans with detailed architectural designs of the applicable computer rooms. A site visit may be scheduled through the Contract Specialist, Sini Jacob, during the period of April 14-16, 2009 and April 21-22, 2009. Please send an email to jacob.sini@epa.gov to schedule an appointment.

Onsite access during the project period shall be coordinated through the Project Officer.

This work is intended for firm-fixed price quotation only.

During the performance of this SOW, the contractor shall not disable or de-energize the electrical system without direct approval from the Project Officer. The contractor shall perform open circuit testing prior to re-energizing the electrical system.

APPENDIX I: Summary of Project

<u>ITEM</u>	<u>START LOCATION</u>	<u>END LOCATION</u>
Mitsubishi UPS	RRB	EPA East
2 EPE Technologies Inc battery cabinets	RRB	EPA East
Above-housed batteries (80)	RRB	Disposal
150KVA MGE PDU and sidecar/panels	RRB	RRB
80 power cables and gain electrical boxes	RRB	Disposal/RRB
MGE Comet UPS	EPA East	Disposal
Battery cabinet for MGE Comet UPS	EPA East	Disposal
36 Batteries in above cabinet	EPA East	Disposal
Power Battery Co. Cabinet	EPA East	EPA East
36 Batteries in above cabinet	EPA East	EPA East
44 TC-12120S 12V VRLA batteries	New	EPA East
Mitsubishi 2033G 30KVA UPS	New	RRB
Battery cabinet supporting above	New	RRB
3-Breaker Maintenance Bypass Panel	New	RRB
Power Distribution Panel	New	RRB
14 20-amp circuit breakers	New	RRB
14 Duplex electrical outlets	New	RRB