



Date: January 30 2015

SUBJECT: Request for Quotations (RFQ) – UPS units with fire suppression

Dear Prospective Quoter:

The Embassy of the United States of America in Gaborone, Botswana has a requirement for a contractor to provide **UPS units with fire suppression at our CDC Botswana head office in Gaborone at phase 1 G. West plot #14818 Lebatlane road.** The Embassy Plans to award a purchase order. You are encouraged to make your quotation competitive. You are also cautioned against any collusion with other potential offerors with regard to price quotations to be submitted. The RFQ does not commit the American Embassy to make any award. The Embassy may cancel this RFQ or any part of it. Please read the below RFQ carefully, and if you are interested, submit your quotation.

Your quotation must be hand delivered or emailed to the below e-mail address on or before **February 13, 2015.**

A mandatory site visit is scheduled for February 4th 2015 at 10:AM. This will be at the CDC Botswana office located at Plot 14818 phase one Gaborone West (G. West)

Direct any questions regarding this request for quotations to the Embassy Contracting Office telephone #: 3732292-; Fax: 395-3951 or email: gabprocurement@state.gov during regular business hours.



SCOPE OF WORK

UPGRADE/REPAIR CDC BOTSWANA UNINTERRUPTED POWER SUPPLY SYSTEMS AND SERVER ROOM FIRE SUPPRESSION AT THE GABORONE-WEST CAMPUS

I. GENERAL

a. The Contractor shall provide all scheduling, work labor, materials and workmanship to accomplish work described in this SOW, and the attached specifications, and drawings. Contractor shall provide complete, tested and operating systems. SOW, Specifications or Drawings stating or implying but not limited to provide, provide and install, furnish, and all other instructional statements are the total responsibility of the Contractor's work delivering a completed project.

b. This project includes the purchase of a new UPS and a relocation of an existing UPS on the Gaborone-West Campus (Plot 14818 Lebatlane Rd, Gaborone-Botswana). Due to CDC Botswana mission requirements, it is critical that Blocks A and B remain operational during workday hours while the UPS systems are being installed and/or relocated. Specifically, this project includes the purchase of a new UPS system for Block A, the relocation of the existing Block A UPS to Block B, and the repair/refurbishment and relocation of the existing USP in Block B to the CDC-occupied Extension 12 Campus (also in Gaborone).

c. The new UPS for Block A will be installed in a room adjacent to the existing UPS Room, which will allow for continuous UPS support during installation. The Contractor will be required to reconnect existing circuits to the new UPS one circuit at a time. Because the existing distribution board in Block A has insufficient breaker space, sub panels shall be added to remedy this issue. The project will provide a new distribution panel in the new UPS room and use the existing panels as a splice box.

d. Upon installation of the new UPS in Block A, the old Block A UPS will be relocated and reinstalled to a new room created on the second floor balcony of Block B, thus providing Block B with a reliable UPS that is equipped to meet the existing load in Block B.

e. The UPS currently located in Block B will be repaired and then relocated to the Extension 12 Campus (Plot No 5384, Gaborone, Botswana), to support on-going CDC operations.

II. STATEMENT OF WORK

a. **Block A UPS:** A recent site assessment of the existing Uninterrupted Power Supply (UPS) system in Block A revealed that the existing UPS room (Room 011) in Block A is too small to meet NEC required working clearances. The new UPS will be located in the adjacent Room 009, which is sufficient to meet these clearances for the UPS equipment. The work also includes the installation of air-conditioning equipment.



(1) The Contractor shall install two (2) new HVAC units in Room 009, locating the condensing units in Block A's interior courtyard. The Contractor shall provide and install a new rack mounted 48 kVA UPS with 10 minutes of battery backup in Room (009). The Contractor shall also relocate the existing maintenance bypass from Room 011 to Room 009 in order to provide power to the new UPS while maintaining power to the existing UPS during migration. The maintenance bypass will remain in Room 009 upon completion of the project.

(2) The Contractor shall replace the two (2) existing distribution switches (one in Room 011 and one in the hallway) with new switches. Once the new UPS is installed and functional, the Contractor shall migrate the existing UPS loads from the existing UPS in Room 011 to the new UPS in Room 009. Upon completion, the new UPS system shall provide UPS power that accommodates all equipment connected and Room 009 shall meet all NEC required work clearances. Once all the loads are migrated to the new UPS in Room 009, the old/existing UPS in Room 011 shall be relocated to the newly constructed UPS room (described in the next section of this SOW) on the First Floor (Level 2) of Block B.

(3) The Contractor shall purchase and install a new distribution panel in Room 009 and shall label it "DB-TB." The contractor shall transfer the load from the existing main distribution panel (DB-TB) which is located in the hallway of Block A, just outside Room 007 (across the hall from Room 009), to the new distribution panel in Room 009. In order to minimize outage impact on CDC Botswana personnel and mission requirements, the work associated with this item shall be coordinated with CDC to occur during weekend and/or non-work hours.

(4) The Contractor shall back feed the main power feeder from the existing "DB-TB" to the new "DB-TB", removing the name tag for the existing "DB-TB" in the process. The Contractor shall label the panel as "HIGH VOLTAGE PANEL", and upon completion, shall lock the panel and provide two (2) sets of keys to the CDC Facilities Supervisor. At this point in the project and moving forward, this panel will serve as a splice box for back feeding circuits. Once the new "DB-TB" is tested and fully energized, the Contractor shall migrate all loads to the new panel in Room 009. While arranging and back feeding all of the circuits from the existing "DB-TB" to the new "DB-TB", the Contractor shall reconnect and load balance the branch circuits connected to the new "DB-TB."

(5) The Contractor shall coordinate purchase and installation of one (1) new 63A, 3 pole breakers to provide power for the future UPS equipment to be delivered by others at a later date. The Contractor shall create a typed panel schedule for each of the new panels installed in Room 009. Finally, verify and insert the panel schedules into the sleeves attached to the inside of the associated panel's door. All of the electrical panels shall be relocated into one room (Room 009).

(6) The Contractor shall migrate the circuits on the backup UPS system located in Room 016 onto the new UPS panels in Room 009 (Block A). The Contractor shall verify and update all panel schedules associated with this task. Once all circuits have been migrated, the Contractor shall disconnect the UPS, remove, refurbish/service and provide to the CDC point of contact for this Contract.



(7) The new UPS shall have a warranty period of five (5) years.

b. Block B UPS: The on-site assessment also confirmed that the UPS room in Block B does not meet NEC required safe working clearances. A space at the end of the corridor on the First Floor (Level 2) of Block B, adjacent to Room 201 shall be modified to meet NEC requirements (Refer to Sheet E002). The existing Block B UPS has a 3 phase input 28kVA and a single phase of output of 15kVA. The output of the UPS is undersized for UPS power loads at Block B and shall be upgraded. The UPS system located in Room 011 of Block A, which was removed, shall be relocated in re-installed in Block B.

(1) The Contractor shall construct a new 2m x 2m (minimum dimensions) room with a Locking door that shall accommodate the UPS, panels, and batteries. The room shall be constructed of brick and mortar and the materials shall match the construction, quality and aesthetic characteristics of Block B. The Contractor shall permanently close (fill in) the existing window in the Room 201 bathroom that opens to the balcony.

(2) The Contractor shall provide/install a new exhaust fan for the bathroom. The room shall be cooled with two (2) new HVAC units and the condensing units shall be placed in the courtyard directly below the room, or in a location determined to be better suited that allows for ease of maintenance.

(3) The Contractor shall reinstall the UPS and the battery rack removed from Block A and refurbished, into the new Block B UPS room. (It shall be noted that the existing Block A maintenance bypass switch will not be relocated to Block B. It will remain in Block A).

(4) The Contractor shall install a small 24 circuit, 100A panel board next to the refurbished UPS. After migrating all existing UPS circuits from the existing UPS panel to the new panel, the Contractor shall disconnect the existing UPS and all associated circuits in the existing UPS room. All work shall meet required safe working clearances. As with the new UPS system installed in Block A, the Contractor shall provide a five (5) year warranty on the refurbished UPS system installed in Block B.

(5) The Contractor shall remove, refurbish, and service the existing/old UPS from Block B. Upon refurbishment, the Contractor shall coordinate with the CDC to relocate it, along with its batteries, to the main data room on the CDC-occupied Extension 12 Campus. As with the Block A (new) and B (refurbished) UPS systems, the Contractor shall provide a five (5) year warranty for this refurbished UPS system.

c. Submittals: The Contractor shall provide submittals of all proposed materials and equipment to the CDC Botswana Contracting Officer' Representative, for review and approval prior to procurement and installation. All materials and equipment shall meet the requirements outlined in the attached Drawings, and Specifications.

d. Commissioning and Training: The Contractor shall ensure through testing (in accordance with the Manufacturer's guidance) that all systems are functioning properly prior to system turn-over/acceptance to/by the user. Further, the Contractor shall ensure that training (in



accordance with the Manufacturer's guidance) is provided to the Contracting Officer's Representative (COR) and CDC Botswana designated facility manager/maintenance personnel prior to turn-over/acceptance. The COR for the contract is Michael Valerio, mvalerio@cdc.gov, +267 367 2434 and the Project Manager/Building Administrator for this project is Temi Awe, vqs8@cdc.gov, +267 71 20 4053.

e. This Contract includes Specifications and Drawings. Contractor shall note that Drawings do indicate equipment tags to assist with identifying equipment to be relocated. See attached list/index.

III. PERIOD OF PERFORMANCE: 90 DAYS FROM THE DATE OF AWARD

IV. Standards and Codes: This compound is occupied by United States Government (USG) personnel. As such, the Contractor shall abide by all local laws, codes, standards and regulations applicable in Gaborone, Botswana at the time the project is awarded, and all upgrades shall meet the requirements of the following:

1. International Building Code (IBC) 2012 Edition
2. National Electric Code (NEC) 2011 Edition
3. Uniform Federal Accessibility Standards, Americans with Disability Act (ADA) 42 USC 4151 Title III, 2010 Standards for Accessible Design
4. United States National Fire Protection Association, NFPA 101, Life Safety Code, 2012 Edition
5. United States Department of State, Overseas Buildings Operations, Standard Specifications, Divisions 26-28, January 2012 Edition

V. Language & Dimensioning: All documents shall be developed to clearly communicate information in English. Further, any calculations, dimensions, and/or measurements contained within the documents shall be produced and delivered using Inch-Pound Units (IP) and the International System of Units (SI).

ATTACHMENTS:

- (1) A4-Drawing Sheets
-

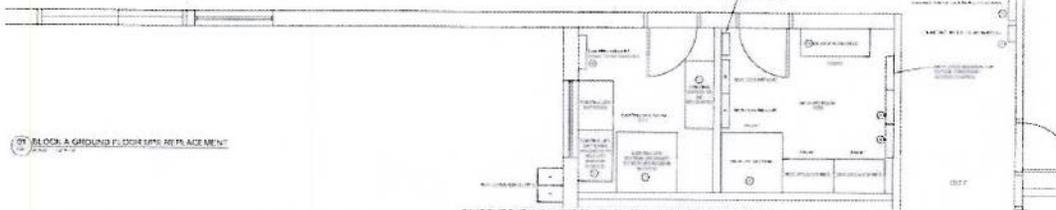
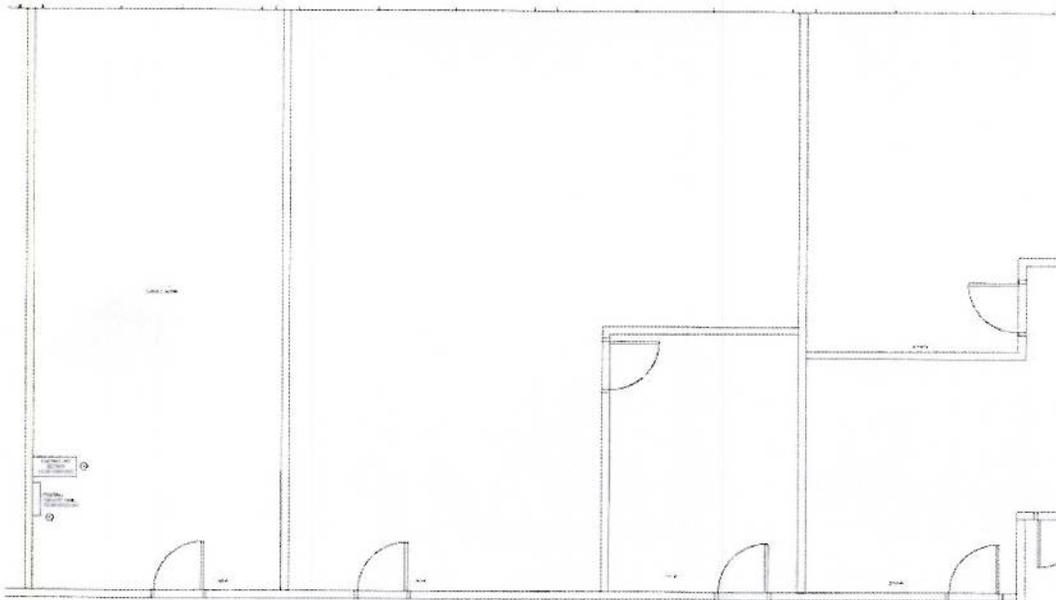


Electrical UPS Upgrade
Gaborone West, Plot 14818
Centers for Disease Control and Prevention

**SENSITIVE BUT UNCLASSIFIED INFORMATION:
SPECIFIED DISSEMINATION**
July 11, 2014

A4 – DRAWING SHEETS

PROPERTY OF THE UNITED STATES GOVERNMENT FOR OFFICIAL USE ONLY



10 BLOCK A GROUND FLOOR UPS REPLACEMENT

SENSITIVE BUT UNCLASSIFIED INFORMATION: SPECIFIED DISSEMINATION

GENERAL NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
- 2. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
- 3. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL ELECTRICAL INSPECTOR.
- 4. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL FIRE DEPARTMENT.
- 5. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL HEALTH DEPARTMENT.
- 6. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL ENVIRONMENTAL AGENCY.
- 7. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL POLICE DEPARTMENT.
- 8. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL COURTS.
- 9. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL LEGISLATURE.
- 10. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL GOVERNMENT.

- 11. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL COMMUNITY.
- 12. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL BUSINESS.
- 13. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL INDUSTRY.
- 14. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL ACADEMY.
- 15. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL ARTS.
- 16. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL SCIENCE.
- 17. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL SPORTS.
- 18. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL CULTURE.
- 19. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL SOCIETY.
- 20. ALL ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL NATURE.

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITTING	08/14/18

JACOBS

08-1812
ELECTRICAL UPS UPGRADE
GASORONE WEST, PLOT 14816
CENTER FOR DISEASE CONTROL AND
PREVENTION

08-1812
ELECTRICAL
BLOCK A GROUND FLOOR UPS
REPLACEMENT

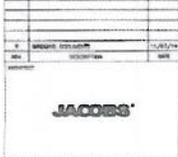
DATE: 08/14/18
BY: JACOBSON

08/14/18

PROPERTY OF THE UNITED STATES GOVERNMENT. FOR OFFICIAL USE ONLY

REVISIONS

NO.	DESCRIPTION	DATE



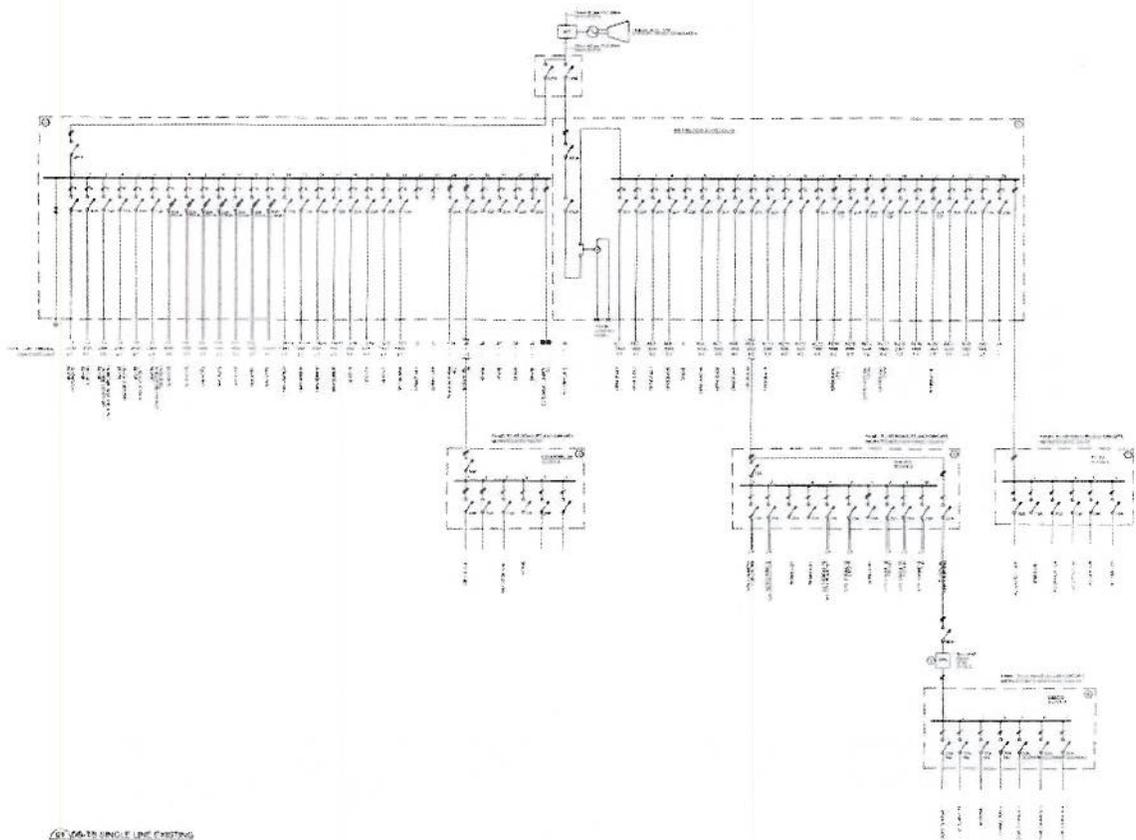
AW 914
ELECTRICAL UPS UPGRADE
GARDING WEST PLOT 14816
CENTER FOR DISEASE CONTROL AND
PREVENTION

ISSUED BY
ELECTRICAL
DR-76 SINGLE LINE EXISTING

CONTRACTOR

DATE: 11 JAN 2010
DRAWN: [blank]
CHECKED: [blank]
ISSUED BY: [blank]
REV: [blank]

5013



DR-76 SINGLE LINE EXISTING

SENSITIVE BUT UNCLASSIFIED INFORMATION SPECIFIED DISSEMINATION



Electrical UPS Upgrade
Gaborone West, Plot 14818
Centers for Disease Control and Prevention

SENSITIVE BUT UNCLASSIFIED INFORMATION:
SPECIFIED DISSEMINATION
July 11, 2014

DRAWING
NUMBER

DRAWING NAME

E001	Electrical Block A Ground Floor UPS Plan
E002	Electrical Block B First Floor UPS Plan
E003	Electrical One Line Diagram "DB-TB" Existing
E004	Electrical One Line Diagram "DB-TB" New