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|---|--|--|---|---|------------------|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT  |  | 1. CONTRACT ID CODE  |   | PAGE OF PAGES<br>1   3                            |                  |
| 2. AMENDMENT/MODIFICATION NO.<br>A003   |  | 3. EFFECTIVE DATE<br>October 17, 2012  |   | 4. REQUISITION/PURCHASE REQ. NO.                  |                  |
| 5. PROJECT NO. (If applicable)  |  | 6. ISSUED BY<br>US Embassy-NAS Colombia<br>Department of State<br>Carrera 45 No.24B-26 |   | 7. ADMINISTERED BY (If other than Item 6)<br>CODE |                  |
| 8. NAME AND ADDRESS OF CONTRACTOR (NO., street, city, county, State, and ZIP Code)  |  | 9a. AMENDMENT OF SOLICITATION NO.<br>X SCO150-12-R-N021                                |   | 9b. DATED (SEE ITEM 11)<br>September 17, 2012     |                  |
|   |  | 10a. MODIFICATION OF CONTRACT/ORDER NO.  |   | 10b. DATED (SEE ITEM 13)                          |                  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |  |   |   |                  |
| <p>[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended, [X] is not extended</p> <p>Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers.</p> <p><b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p> |  |  |   |   |                  |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required)   |  |  |   |   |                  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  |  |  |   |   |                  |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.  |  |  |   |   |                  |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)  |  |  |   |   |                  |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  |  |  |   |   |                  |
| D. OTHER (Specify type of modification and authority)   |  |  |   |   |                  |
| E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return ___ copies to the issuing office.   |  |  |   |   |                  |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)   |  |  |   |   |                  |
| <p>The purpose of this amendment is to change paragraph 4.01 and to correct paragraphs 2.01.10 and 4.03 of Attachment 1 – Technical Specifications. Changes are highlighted in yellow. Accordingly,</p> <p>SEE ATTACHED PAGES.</p> <p>Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</p>  |  |  |   |   |                  |
| 15A. NAME AND TITLE OF SIGNER (Type or print)   |  |  | 16A. NAME OF CONTRACTING OFFICER  |   |                  |
| 15B. NAME OF CONTRACTOR/OFFEROR<br>BY _____<br>(Signature of person authorized to sign)   |  | 15C. DATE SIGNED   | 16B. UNITED STATES OF AMERICA<br>BY _____<br>(Signature of Contracting Officer) |   | 16C. DATE SIGNED |

**Solicitation No. SCO150-12-R-N021**  
**Rappel Tower Construction at Tulua, Valle**  
**Colombia**  
**Page 2 of 3**

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**2.01.10) Sand bags walls and Cushion system in “Casara de Arroz”**

The Contractor shall build a 40-cm high perimeter wall made out of sand bags around the tower at a diameter of 20 m. in order to contain the cushion system in “Casara de arroz” necessary for training purposes. The Contractor shall supply and install plaster along the internal side of the sand bag wall and shall also install double 2-inch drainage pipe in the bottom part of the wall to be connected to the rain water drainage system near the area. The Contractor shall also supply and install the cushion system in “Casara de arroz” at a depth of 40 cm.

**4.01) Obstruction lights with Solar power system**

The Contractor shall supply and install one omni-directional, red, obstruction energy-saving LED double light, which shall be located at the top of the tower. The system shall operate with a solar power system that shall be placed in a strategic way on the tower, to permit the maximum use of sun light. The contractor shall include the photovoltaic modules and the batteries required to supply energy to the obstruction lights when the sun light is not available. The system shall have a Photocell for automatic activation at night and a controller for flashing mode. The cable shall be protected with galvanized pipe.

The system shall comply as minimum with these characteristics:

- Resistant to shock, vibration, weather and corrosion.
- Operates from -67°F to 131°F
- Estimated lifetime light of 70,000 hours
- High efficiency crystalline silicon of the photovoltaic modules
- Sealed batteries maintenance-free for 3 years
- Field proven high efficiency Controller
- Weatherproof battery/controller Enclosure
- Heavy duty aluminum mounting Structures
- 5-year Warranty

The Contractor shall install the system taking into account the recommendation NTC 2050-690. The Contractor shall include all necessary material in the installation, all of which shall comply with Colombian electrical standards (NTC 2050) and RETIE, as well as Colombian Aerial Agency “Aeronáutica Civil”.

**4.03) Lightning protection system (Exterior)**

The Contractor shall supply and install a Lightning Protection System (LPS), which shall be composed of one aerial terminal Franklin blunt type Ref P8, shown on Drawing E1. The air terminal shall be coupled with a copper pole 300 cm length with screw-socket, which shall be place according to drawing E1. The aerial terminal to be supplied and installed shall comply with standard UL 96A, NFPA 780. The air terminal and the copper pole shall be placed over the top roof ridge, which shall be connected by two line downs (THHN/THWN cooper feeder caliber AWG No. 1/0), such as shown on drawing E1. Holders and isolators shall be supplied by the Contractor. Grounding line shall be separated 10 cm from the surface’s structure. The line-down shall be canalized by means of a galvanized duct ¾ inch, which shall be placed along the structure, holding it by metallic anchors that shall separate each of the line downs 10 cm from the structure. The piping system shall also be grounded by using grounding kits. The line down will end in a grounding system, which shall be connected with the tower’s grounding system.

The plans listed below are attached.

1. Architectural (Drawings A-001 to A-006)
2. Structural (Drawings C-01 to C-03 and E-04 to E-07)
3. Electricals (E-001)

**NOTE:** The Contractor to whom the project is awarded shall have to present catalogs and test results of all materials to use for this project.