

ATTACHMENT 1 – TECHNICAL SPECIFICATIONS

GENERAL DESCRIPTION OF THE PROJECT

The following are the main characteristics of the work to be executed at the Colombian National Police area located next to the airport in Tumaco, Nariño.

The work includes, but is not limited to, the relocation, transportation, assembly and installation of one (1) existing hangar and two (2) metallic roof covers with eight (8) containers as shown on the pictures attached, including all required elements for the correct assembly of both the hangar and the roof covers such as bolts, painting, electrical distribution system and backup power to the new site in order to guarantee full operation under the new conditions.

The work includes the execution of the work and all activities necessary for the lighting protection and grounding system for the metallic structures and containers, as well as the air conditioning units.

It is understood that the Contractor shall verify the measurements and become familiar with the terrain and the existing conditions before sending his proposal. In this statement of work, guide measures are given for the Contractor to check the drawings and the construction quantities chart and to check the physical conditions on site. In no way do these figures commit the US Government to pay additional amounts if the resulting measurements on site vary from the information given by the US Government.

For the containers and metallic structures as well as for electrical systems and finishing, the Contractor shall supply maintenance and inspection manuals for routine activities with recommendations for inspection and maintenance.

DETAILED DESCRIPTION OF THE PROJECT

1) PRELIMINARY ACTIVITIES

The Contractor shall make the applicable verifications in order to certify the designs given to them are adequate for this installation and shall guarantee the correct execution of the work, fulfilling the standards of the applicable codes before the start of the construction process.

All works are to be constructed pursuant to the ICONTEC, EIA, AISC and NSR-10 and each shall be applied as necessary and appropriate. The Contractor shall guarantee that the project fulfills all the rules of the Ministerio del Medio Ambiente.

1.01) Provisional installations

The Contractor shall submit a drawing with location of the camp, fencing of the construction site and temporary services (water, energy, telephone, etc.), before starting its installation, for the approval of the US Government Representative. All the installations shall be removed by the Contractor with the approval of the US Government Representative when the work is finished. The site shall be left as it was found before the start of the construction, with grass, sidewalks, etc. The installation and removal of the provisional camp shall be quoted at a global price and shall be included in the total cost of the project.

Provisional services: the eventual supply of any service by the final user to the Contractor shall not be a conditioned help and its eventual suspension shall not give place to any claim by the Contractor. The Contractor shall provide alternative services for these situations.

1.02) Security of the construction site

The Contractor shall supply security services for the construction site and the camps. The US Government and the final user shall not be responsible for the payment of the security services nor for any elements left at the construction site.

1.03) Provisional fencing

The work site shall be completely isolated from zones or roads surrounding the same. Similarly, if a materials storage area is built, this shall be fenced off in the same manner. The Contractor shall build a fence for this purpose, consisting of synthetic canvas with wooden posts every two meters, kept taut by means of wires at the top, middle and bottom. The Contractor shall fit props at either side of the access door or whenever there is a change of direction. This fence shall have one access point only: a double door through which machinery, vehicles and personnel shall enter. While the work is in progress, the Contractor shall ensure that the fence is maintained and repaired, so that it is always in suitable condition.

1.04) Location and layout

The Contractor shall use precision topographical instruments, following the architectural and structural distribution. The Contractor shall draw up the ground plan for each of the elements to be constructed. The area to be constructed is that indicated in the plans, plus the extra widths and the utilities' connections. This work shall be done by a qualified professional, who shall determine the levels in addition to the ground plan. Everything shall be bench-marked on securely anchored wooden bridges.

The Contractor shall supply all materials required to establish the planimetric and altimetric benchmarks, such as stakes and field books, etc. The US Government Representative shall review the location of the axes, but this does not exonerate the Contractor from his responsibility for errors in locating or leveling any portion of the work. Prior to locating and laying out the work, the necessary datum or tie points, both horizontal and vertical, as well as the boundaries of the terrain to be occupied shall be defined and approved.

The temporary BM and reference axes shall be placed at sites where they do not interfere with the execution of the work and do not need to be moved, in order to allow their subsequent control at any point during the course of the work. No marks made with paint of any type, scratches, nails, centering, etc. shall be permitted on any current building or structure. Once the layout is complete, the Contractor shall submit a scheme for approval, including the location of existing structures and vegetation.

1.05) Demolition and Removal of material

The Contractor shall demolish and remove the existing concrete supports and other existing structure left standing after the hangar, containers, metallic structures and electrical system are relocated to the new site. This shall include the cutting and demolition of any existing element along this area.

The Contractor shall be responsible for damages caused to any element on site while the demolition work is performed and the leftover materials are being withdrawn. The Contractor shall include in this item the demolition tools and transportation of the demolished material in trucks to authorized sites.

1.06) Containers and Metallic Structure for Roof Cover Relocation

The Contractor shall include the relocation, transportation, assembly and installation of the existing metallic structures to the new site, with the following characteristics (per each metallic roof cover):

Dimensions:

- Width: 7.55 m. (24.93 ft)
- Length: 42 m. (138.70 ft)
- Height in the ridgepole: 4.50 m. (14.86 ft)
- Minor height: 3.00 m. (9.90 ft)

Metallic structure composed of:

- Eight (8) columns of 10 cm width x 15 cm breadth x 4.50 m height
- Eight (8) columns of 10 cm width x 15 cm breadth x 3.00m height
- Eight (8) beams with a height of 15 cm
- Fourteen (14) perimeter beams with a height of 15 cm
- Four (4) purlins with a height of 10 cm

Cover:

- Architectonic galvanized tiles

The contractor shall relocate the two existing metallic structures, which shall be arranged using 3/16-inch plates (15cm x10cm) or similar installed in each metallic column support that forms the roofing structure. The contractor shall also include the installation of 3/8-inch bolts to reinforce the structure trusses to facilitate the installation later on. The contractor shall also include the supply and installation of 3/8-inch upwind to stiffen the existing structure. In addition the contractor shall clean and repaint the metallic structure before completing the relocation, as well as correct any structural defects that the structure may have.

The Contractor shall also include the construction of a shelter matching existing conditions with the actual existing shelter for the electrical generator. The contractor shall take into account that this shelter shall be constructed next to the pad mount transformer to be installed and that it is described on the electrical section.



Exhibit No.1

1.06.01) Concrete Structures

The Contractor shall supply the manual labor, materials and equipment, and the execution of all the work necessary for the construction of the concrete pedestals for the containers and metallic structure support matching existing conditions. Before initiating the construction of the concrete supports, the Contractor shall verify that the construction site is free from vegetation and construction materials and that the surfaces do not have inundated zones or zones with stagnant water. The bases shall be leveled before pouring the concrete. The Contractor shall also include the construction of the concrete pads to support the existing air conditioning equipment to be relocated. The dimensions shall match existing conditions.

The Contractor shall build the concrete structures in accordance with the NSR-10 and the recommendations of the soils study. The concrete shall have a strength $f'c$ of minimum 3000 psi (210 kg/cm²), which shall be certified by the Contractor using test cylinders that he will take following the applicable standards. The re-bar for the foundation shall be $F_y = 60,000$ psi (4,200 Kg/cm²) for $\varnothing > 3/8$ -inch and $F_y = 34,000$ psi (2,400 Kg/cm²) for $\varnothing 1/4$ -inch. The Contractor shall follow the parameters of the design supplied by the US Embassy.

The Contractor shall supply the formwork, transportation and installation of the concrete for the concrete slab, including the reinforcement steel specified in the structural design.

The Contractor shall include the execution of the corresponding laboratory tests as required. The Contractor shall take 6 sample cylinders for concrete resistance tests per pouring or per each 5 m³, in order to test 2 cylinders at 7 days, 2 cylinders at 28 days and leave 2 cylinders as proof samples. The results of the laboratory tests shall be given at the right time to the US Government Representative.

1.07) Containers Relocation

The Contractor shall relocate, transport, assemble and install eight (8) existing 20-ft. sea land van containers to be used for operational purposes and installed to match existing conditions. The containers shall be transported from the actual site to the project site shown on the attached drawings. The work includes loading and unloading the containers, renting or otherwise obtaining the crane or forklift, and positioning and leveling the containers on the site indicated by the US Government Representative. If the containers or nearby structures suffer any damage during transportation and/or movement to the site indicated, the Contractor shall bear all expenses involved in any repairs which might be necessary, at no cost whatsoever to the US Government.

Installing the Containers

- * **Supports.** The Contractor shall place the container on top of the concrete supports described in paragraph 1.06.01 and installed to match existing conditions. The Contractor shall guarantee that the containers are perfectly level.
- * **Staircase.** The Contractor shall supply an extruded-mesh, metal staircase, painted with anti-corrosive paint and topcoat, for each container access on the first level. The staircase should be the same width as the doors.



Exhibit No.2

2.01) Hangar Relocation and Tent Installation

2.01.01) Dismantling

The contractor shall dismantle the prefabricated hangar located at the actual site shown on the attached drawings.



Exhibit No.3

The Prefabricated Hangar to be relocated has the following characteristics:

Dimensions:

- Width: 20.6 m (68 ft)
- Length: 36.65 m (121 ft)
- Height in the center: 7.6 m (25.10 ft)

Metallic structure composed of:

- Thirteen (13) porticos in tubular structure with each having a width of 0.70 m. Every portico is divided in six (6) sections joined with rectangular slides with respective screws and nuts. Every portico is joined by a metallic beam in the base of the porticos in tubular structure anchored to the concrete slabs by means of slides and anchoring shirt.
- Ten (10) lines of purlins that cover the complete length of the hangar that join the porticos.
- Structural diagonals with respective tensile and staples.



Exhibit No.4

Rolling doors:

The hangar has two (2) rolling door-curtains in canvas. Each rolling door-curtain is equipped with a system of opening composed of a winch with a system and pulleys for opening and closing.

Access doors:

The Contractor shall replace the two (2) existing access doors matching existing conditions in order for the doors to be fully operable.

Transport:

The Contractor shall include the transportation of all the components of the Prefabricated Hangar from the actual site to the new site shown on the attached drawings in Tumaco.

Installation

The Contractor shall include the installation of the Prefabricated Hangar along the concrete platform indicated in the drawings at the Police Platform at the Tumaco Airport.

Finishing:

The Contractor shall include the replacement of the screws and nuts along the hangar base as well as the anchoring system of the tubular structure to the concrete slab. Also the Contractor shall repaint the hangar metallic structure using base primer rust-resistant protective cover, with a minimum dry paint thickness between 1.5-2.0 mils. The finishing paint shall be “Esmalte Uretano” type matching existing conditions with a minimum thickness of 2.0 mils. These paints shall be applied with a compressor, for aggressive atmospheric conditions.

Supply and Install New Tent

The Contractor shall include dismantling of the existing tent and delivering it to the CNP representative which is not in good operational condition. The contractor shall as well supply and install a new tent matching existing conditions and following the same references of the existing tent. The Contractor shall guarantee that the tent is installed according to the recommendations of the manufacturer and following quality standards.

The Contractor shall replace as well the existing two (2) rolling door-curtains of the Hangar, which are also in bad condition. The Contractor shall take into account the replacement of the pulleys, clips, etc., of the system. The rolling door-curtains must be of the same characteristic of the existing ones.

The Contractor shall guarantee the correct operation of the rolling door-curtains.

3.01) GENERAL ELECTRIC INSTALLATIONS

The electrical work consists of the following activities:

- Assist and coordinate all the technical affairs, logistics and internal processes, which are required to activate the electrical service for the proposed complex.
- Supply and installation of the electrical power system Middle Voltage (MV)
- Reinstallation of the Low Voltage (LV) networks.

The Contractor shall include in his proposal catalogs and technical sheets of materials, parts and elements to be used in the project.

Electrical standard for work acceptance

Any electrical installation which is done by the Contractor shall comply with the following electrical standards: NTC 2050 last upgrade and chapters 645, 210,215; NEC 250 last upgrade, NTC 3471/UL 67, EIA/TIA 607, EIA/TIA 568-569 last upgrade, ANSI/IEEE C62.41-C62.45, NEPA 780, NTC 4552, IEEE-80, IEEE-77 and RETIE last upgrade. The Contractor shall also employ an electrical/electronics engineer to manage and control the execution of the electrical and communication work. The proposed electrical/electronics engineer shall also sign the installation conformity and material conformity acts requested on RETIE. The Contractor shall include in his proposal the curriculum vitae of the proposed engineer.

Material, equipment and parts

The Contractor shall use brand new materials, equipment and parts certified and approved by RETIE. All products to be used during the project execution shall be brand new and manufactured within the six months from the date of contract award. The products, equipment and parts to be supplied and installed shall comply with international standards and US Federal Regulations. The Contractor shall submit the custom clearance documentation (nationalization acts) for those assets which were directly imported. This is required to accredit afterwards the assets' ownership and to perform the process of donation in a suitable manner with the Colombian Government.

Important: The Contractor shall not supply and install products, materials, equipment or accessories during the contract execution which have not been previously approved by the US Government Contracting Officer's Representative (COR). If this occurs, the Contractor shall be responsible for assuming costs (overruns) and time that might be necessary to comply with the contract and COR requirements.

Testing

The Contractor shall include in his offer a list of equipment and devices required to achieve a testing process over the systems to be installed. The equipment to be used during testing processes shall be calibrated by a certified company. The equipment to be used shall have a valid calibration certificate issued within the previous 12 months.

Civil Works

The required civil work for the underground raceway system and electrical installation in general shall include the costs for repairing the affected areas during the project execution (e.g. sidewalks, pavement, green areas and concrete, painting, sleeves, among others). The Contractor shall comply with civil and electrical Colombian Construction standards even if the affected areas do not meet them. The Contractor shall submit catalogs and technical spread sheets for all the materials to be used during the construction project. Lack of information and omission of such data shall render the proposal invalid and shall remove it from further consideration in the award process.

3.01.01) MIDDLE VOLTAGE (MV) CIRCUIT

The Contractor shall include the supply and installation of a new MV circuit branch, three phases, 13200 VAC, 60Hz, which runs from an existing pole up to the new power substation, as shown on the Electrical plan. The new circuit branch to be supplied and installed shall be composed of three lines, feeder type MV90/15KV and copper made caliber AWG No. 2 with isolation type XLPE 133% (Polyethylene Reticulated). The approximate length for the new circuit branch is 265 meters; however the Contractor shall verify the distance. This new circuit branch shall connect a 45 KVA power substation (Encapsulated), which shall provide electricity to the Hangar and containers.

The Contractor shall include a loop of 3 meters of XLPE cable in each end and leave it inside the CS 276 junction box. The existing pole is part of the Tumaco network's electricity company (CEDENAR).

Local Energy Company Permits

The Contractor shall include the required legalization process for the Tumaco electricity company "CEDENAR" to move an existing electrical substation of 45 KVA. This includes matriculation and approval of the project; elaboration and revision of plans; coordination to shut-down the energy service for connections and the payment for "RETIE" certification.

MV Works in Pole

The Contractor shall uninstall the existing circuit breaker system of the existing pole and install it in the existing "CEDENAR" pole. The units are expulsion type, for outdoor installation, single-pole with current interruption capacity up to 2 Amp and vertical installation type.

The Contractor shall supply and install the Premolded connectors for 15 KV, outside use, for cable XLPE no. 2 AWG. The Contractor shall uninstall the existing concrete pole. The contractor shall uninstall the 45 KVA electrical transformer type pole.

The Contractor shall uninstall the existing lightning system of the existing pole and install it in the existing "CEDENAR" pole. The lightning system shall be used also to protect transformers, lines and devices in the system (13.2 KV).

The Contractor shall supply and install the grounding system by means of a grounding line in copper, AWG No.2, which shall be canalized through a metallic galvanized pipe of ¾ inch. The wiring shall be connected to a metallic rod (grounding electrode) of 2,44 m and 5/8 inch gauge, which shall be placed beside the electrical pole. Material for welding work and details of constructions shall follow table 24 of

RETIE and NTC 2050 article 250. Seal on top of the pipe is required to prevent material and animal access.

The Contractor shall supply and install a segment of metallic raceway, galvanic type, which shall be installed along the existing electrical pole. The pipe shall have a gauge of four (4) inches. The pipe to be installed shall have a terminal adapter with seal, which shall be placed on top of the pipe to be supplied, in order to prevent feeder damages during the cabling installation; the seal on top will prevent the access of materials and animals that might affect the wiring. The pipe's length is seven (7) meters from soil level to top, plus 0.5m underground, for a total of 7.5 meters length. The pipe shall be brand new, RETIE certified and its installation shall follow the Colombian standard CS20s. The metallic pipe shall be matched with an underground PVC raceway by means by a PVC DB adapter of four (4) inches caliber, heavy duty type, CS 202, Colmena or similar RETIE certified. The seal to be used shall be 3M or similar RETIE certified product. The contractor shall use galvanic tapes of 4 inches, in order to hold and ensure both grounding and main circuit MV pipes. These tapes are placed every 3 meters. The MV circuit shall be marked according to US Government COR instructions.

The Contractor shall include the supply and installation of a metallic holder, diagonals and fixing accessories for pole. All parts shall be done in iron, type hot galvanized with protection painting and treatment for outdoor environments to prevent corrosion. (The MT installation is to be done in a tropical area with high concentration of sea salt). The accessories to be supplied and installed shall comply with ICONTEC 2617, 2076 and 2150. The components shall be free of any irregular surface, rough edge or sharp edge. The dimension for devices shall comply with the electrical standards shown on section 3.01 standards. The fixing elements, pipes, anchors and any metallic part shall be conditioned for outdoor environments. The Contractor shall use parts and components currently installed in the existing pole.

MV Underground Canalization

The Contractor shall include the construction of an underground raceway according to Colombian standard CS208. The bidder shall quote for supply and installation of two (2) pipes, each with a diameter of four (4) inches, PVC DB type, corrugated, CS 200, brand new COLMENA or RETIE certified equivalent. The pipe shall be underground at a depth of 60 cm from soil level. An underground warning tape shall be placed 30 cm from soil level according to the CODENSA CS- 273 regulation.

The underground raceway has a length of 250 meters approximately, which runs from a new CS 276 junction box to be supplied and installed during the contract execution. The Contractor shall verify the real distance, adjusting it in his proposal if necessary. The proposed underground raceway shall connect two CS 276 junction boxes. The MV raceway ends on the concrete pad, which shall support the sub-station pad mounted. The electrical tubes shall be sealed to avoid the access of animals, insects or water. The type of seal to be used and its installation shall follow the Colombian standard NTC 2050-305.G. The pipes to be installed shall end in PVC terminals type bell ("Campana"), which shall be installed on each junction box or at the level of floor.

The Contractor shall include in his proposal all the civil work required for this item, such as material removal, refilling, channel construction, repainting, junction boxes and any additional work required for leaving the affected areas as originally found. The Contractor shall use qualities and quantities in order to comply with CODENSA regulations.

Junction Boxes for MV Distribution

The Contractor shall supply and install two (2) new junction boxes meeting Colombian standard CS276, and also the Contractor shall supply and install the necessary junction boxes CS 275 along the raceway.

Concrete Pad and Housing

The Contractor shall build an existing concrete pad, which shall be used as a solid base for the electrical equipment (electrical substation, emergency generator, meter enclosure and electrical panel for LV). The existing concrete pad shall be connected with the CS 276 junction box by means of two PVC DB pipes, which shall each have a gauge of 4 inches. The Contractor shall install a chain link metallic fence with an area of 3 m wide X 5 m long X 2 m high, with roof, door and lock. The area, marking and free space areas shall comply with NTC 2050 chapter 450-C.

MV/LV Substation- Pad Mounted

The Contractor shall supply and install one (1) MV/LV Substation, pad mounted type, which shall meet the following specifications: enclosure type, size, cooling and installation shall be done in accordance to Colombian standard NTC 2050 Chapter 450-27, NTC 3997 and CTS 525. The unit shall be located as shown in the electrical plan.

The electrical transformer shall be three-phases, $\Delta Y5$, self-cooling type, 45 KVA, nominal voltage primary and secondary 13200VAC/208VAC, 60Hz, power factor 0.9, voltage drop factor lower than 3.0% for continuous operation. The electrical transformer to be supplied and installed shall comply with Colombian standards NTC 3654 and NTC 3445. The unit to be supplied and installed during the project execution shall be brand new and RETIE certificated.

The enclosure shall be made for outdoor operation with “dead front” and electrical signaling according to RETIE, CR10 BGW caliber, electrostatic painting and anticorrosive treatment according to site conditions.

Important: MV/LV substation shall include its testing protocol result sheets as requested by Colombian standard for equipment operation as depicted on ICONTEC 818 and 819 standards.

3.01.02) LOW VOLTAGE WORKS (LV)

Containers electrical network relocation

The Contractor shall uninstall these existing items and install them at the new hangar and roof cover location:

- LV meter enclosure
- Main Electrical circuit board
- LV Electrical connection for the hangar
- LV Electrical connection for the containers
- One 35 KVA generator set (2700 pounds)
- Eight (8) air conditioner devices

The Contractor could use parts and components installed in the current location of the hangar and roof cover. However, if additional items are required for those electrical connections, they shall be supplied by the Contractor. The price shall also include accessories such as unions, connectors, and miscellaneous elements which are required for the canalization work as well as to reconnect the air conditioning units.

TVSS class B device

The Contractor shall supply and install an independent TVSS class B device, which shall comply with US standard ANSI/IEEE C62.41-C62.45, interruption capacity up to 100 KA, protection modes L-L-L-N, L-G, reject filtering rated $> -30\text{dB}$, led indicator of status, operational voltage 208VAC/120VAC, response time $< 100\text{nSeg}$ and support to three pole system. The unit could be installed internally or externally. The

Contractor shall annex in his proposal the NEMA LS-1 format, specifying the equipment's technical sheet to be supplied and installed.

Hangar Illumination

The Contractor shall repair the electrical installation for eight (8) 250 W lamps. The Contractor shall replace the current lamps for 250 W HID lamps.

Grounding System

The Contractor shall supply and install a grounding system for the electrical substation. The required impedance value shall be 5Ω or lower; in case of a larger value, the Contractor shall include in his/her proposal the pricing for achieving a soil analysis, in order to adjust the current conditions for getting the required impedance value. The grounding line (AWG No 2) shall be exothermic welded.

3.01.03) MARKING

The Contractor shall supply and install plastic plates with black bas-relief and printed white letters of no less than one centimeter in height, on all the main equipment for distribution such as measuring center, panels and telephonic or voice and data distributors. These plates shall indicate the use for each device or element according to the diagrams.

- All electrical panels shall have the single line diagram and power distribution chart; each circuit shall be identified.
- The main distribution panel shall be identified with 10x5 cm labels, with white letters and black background. Secondary panels must have similar 5x3 cm labels.
- Solid plastic safety signs (electric risk) shall be installed in every electric panel, in the electric room, emergency generator and electrical sub-station.
- 5x3 cm solid plastic labels shall be installed in the grounding lines coming out of the main distribution panel, with red letters and yellow background.
- 3x4 cm metallic labels shall be installed on the CODENSA inspection boxes.
- 10x5 cm plastic labels with white letters and black background shall be installed on each end of the main circuit.
- 10x5 cm plastic labels with white letters and black background shall be installed for secondary circuits; the cables shall have plastic ties every 1.5 meters.

After the work is finished, as-built plans shall be turned over in AutoCAD format, with the line diagrams specifying calibers, routes and channels. The corresponding technical documentation for equipment and tools shall be attached and operation and maintenance manuals have to be prepared to complement those given by the manufacturer. This includes all the electrical work, such as boxes, wiring, protection panels, transformers, etc. of the system.

The plans listed below are attached.

1. General Location (Drawing G-001)
2. Electrical (E-001)

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

4.01) Other Requirements:

4.01.01) List of Personnel: Prior to initiation of the work, a list of personnel to be employed at the site shall be submitted for review to be able to obtain access to work area, including full names,

identification card numbers, place and date of birth, home address and, in some cases, a valid government certificate of good conduct and photographs. The US Government and the Base shall reserve the right to admit or withdraw personnel from the work site for reasons of security and/or due to the quality of the work.

4.01.02) Vehicles and Machinery: All vehicles and machinery or equipment that would schedule to enter the work area shall be itemized on a list submitted well enough in advance to be verified and to obtain an entry permit. This list shall include type of vehicle; plates; complete name and ID number of driver; and a copy of the driver's license. The Contractor shall take into account the time used by vehicles and personnel in order to enter and exit the work area.

4.01.03) Industrial Safety Person: The Contractor shall have permanently on site a person specialized in industrial security who will ensure that workers are constantly complying with the security standards for personnel and equipment, scaffolds and other installations or structures.

4.01.04) Apparel: All personnel shall be equipped with an overall of the same design and color, or long pants and T-shirt with sleeves of the same type and color, boots, hardhats, gloves and any security elements required for their particular activity, such as face masks or shields, gloves, boots, ear plugs, etc. Use of these items at the work site is mandatory. Likewise, each employee shall wear a laminated recent photo identity card indicating his/her name and identification card number, position, and Contractor name.

4.01.05) Cleaning and Debris Removal: The Contractor shall have personnel responsible for cleaning the construction site and nearby zones daily. The unit prices for all items, without exception, include the costs of cleaning up, loading and removal of all materials resulting from the building work. The Contractor will take these materials to an authorized dump, where the interests of the base, third parties and the environment will not be affected (the Contractor shall follow the parameters established in Resolution 541/94 and any subsequent modifications). Material from excavations shall be deposited in such a way as to avoid blocking the entrance to the site at all times or occupying public roads while the material is being loaded into trucks for removal.

4.01.06) Materials and Finishes: The Contractor shall include new materials of first quality design for prolonged and heavy-duty use. The Contractor shall guarantee good materials and excellent finishes. All the colors and finishes shall be submitted to the US Government Representative for approval prior to purchase and installation.

The Contractor shall leave on site a stock of materials like bulbs, fuses, terminals or pipes that have been fitted, representing three (3) % of the total quantity, for future maintenance purposes. These items shall be handed over duly packed, identified and listed.

4.01.07) Food, Transportation and Lodging: The Contractor is responsible for food, transportation and off-Base lodging for personnel.

4.01.08) Information of Important Events: The Contractor shall inform the US Government Representative of special events or works, such as the pouring of concrete, tests and the like, giving the US Government Representative at least seventy-two (72) hours notice so he/she can be physically present.

4.01.09) Site Description: Before beginning any preliminary work, the Contractor shall complete a site description with photographs and an account of the actual conditions of roads, sidewalks, surrounding buildings, etc. This report shall be signed by the Base Commander and Contractor. This report is for the

purpose of documenting the actual status of the area before the work is performed. This report will be used to compare the site after the work is finished. Three identical copies of the pre-construction site report must be furnished: one for the user (Colombian National Police), one for the Contractor, and the final one for the US Government. If the Contractor caused any damage to the work site or other private or public property, he/she shall do all the repairs prior to the contract closeout; these repairs are without cost to the US Government. At the end of the project, a closing review and memorandum should be done with the same participants, with a signed copy furnished in the final report.

4.01.10) Superintendent: The Contractor shall have permanently at the base a graduated civil engineer or architect with a minimum experience of two (2) years in similar works. For data cabling and electrical works the contractor needs to have an electrical /electronic or systems engineer with at least two years' experience in the field.

4.01.11) Inventory of Removed Elements: The Contractor shall dismantle, list, and submit the reusable elements of the work site to the final user (Colombian National Police). A signed copy of this list shall be given to the end user and the US Government Representative.

4.01.12) Protection of Elements in the Work Area: Areas, equipment, and elements at the work site or in areas nearby shall be protected from damage or deterioration. The Contractor shall assume the cost of any repair or replacement required because of improper use or carelessness on his part or on the part of his workers.

4.01.13) Security of the Construction Site: The Contractor shall supply security services for the construction site and the camps. The US Government and the final user will not be responsible for the payment of the security services nor for the elements left at the construction site.

4.01.14) Nearby Zones: The nearby zones must be left in the same or better condition as prior to construction (with grass, gravel, sidewalk, floor finishes or whatever applies in each case). Furthermore, repairs shall be done to faults, scratches, damage and anything else which the Contractor and the US Government might note in the building and neighboring constructions for ensuring that the work is made ready and handed over correctly. The Contractor shall disassemble and remove all preliminary facilities, camps, sites, etc. before the final handover, eliminating all debris and extra materials.

4.01.15) Underground Interferences Study: The Contractor shall have on hand a study of all aerial, surface, underground or engaged interferences provided by the CNP, so as not to damage pipes, boxes, wiring, posts, hoses, wells or other elements or structures existing in the work area or adjacent to it. Should the excavation interfere with sewers or pipes, the Contractor shall build adequate support or protection for these installations and/or develop a new route, subject to prior approval by the US Government Representative. The Contractor shall keep all drains caps and catch pits clear in public utility networks near excavation sites to prevent their obstruction or damage.

4.01.16) Provisional services: The eventual supply of any service by the final user to the Contractor will be a not conditioned help and its eventual suspension would not give place to any claim time or costs by the Contractor. The Contractor must provide alternative services for these situations and auto-provide themselves for the project execution.

"FIRM AND PROJECT INFORMATION "

Firm Information		NIT NUMBER:	
NAME	ADDRESS	TELEPHONE/FAX	E-MAIL ADDRESS

Owners, Partners and Principal Officer

NAME	POSITION	TELEPHONE	ENGLISH COMMUNICATION (Ability to understand, write and read)

Legal Representatives and backups

NAME	POSITION	TELEPHONE	ENGLISH COMMUNICATION (Ability to understand, write and read)

Project Director, Superintendent and key technical Personnel for this project

NAME	POSITION	TELEPHONE	ENGLISH COMMUNICATION (Ability to understand, write and read)

Subcontractors for this project (if it does not apply indicate it in the chart)

NAME	ACTIVITY TO PERFORM	% DEL PROJECT TOTAL	TELEPHONE	ADDRESS AND CITY

Suppliers for this project

NAME	MATERIALS TO SUPPLY	% DEL PROJECT TOTAL	TELEPHONE	ADDRESS AND CITY

Requirements of the Offeror and Owners/partners:

DESCRIPTION	YES	NO	NOTES
Has all licenses and permits required by local law to perform?(Chamber of Commerce, Merchandise Register, Professional Licenses, etc.)			
Meets local insurance requirements (Prestaciones Sociales, ICA, Sena, etc.)			
Has the ability to obtain a performance and guarantee bond and payment bond, or adequate performance security, such as irrevocable letters of credit or guarantees issued by a reputable financial institution. Include Information			
Has adverse criminal record?			
Has political or business affiliation which could be considered contrary to the interests of the United States.			

I certify that the information is accurate and verifiable

Signature of the Legal Representative _____
Name of the Legal Representative _____

Date _____
Id Number _____

Artículo 289 del Código Penal Colombiano: "El que falsifique documento privado que pueda servir de prueba, incurrirá, si lo usa, en prisión de uno (1) a seis (6) años."

"FIRM EXPERIENCE"

Indicate the experience of the firm in similar projects performed in the last ten (10) years. Include maximum 10 projects. **Do not include certifications or contract copies.** In the case we needed we will require it afterwards.

	1	2	3	4	5
NAME OF THE CLIENT (CONTRACTING PARTY)					
CLIENT ADDRESS					
CLIENT TELEPHONE NUMBER					
CLIENT POINT OF CONTACT					
CONTRACT NUMBER					
TYPE OF CONTRACT (* 1)					
NAME OF THE CONTRACT OR PROJECT					
PROJECT LOCATION					
PROJECT STARTING DATE					
PROJECT FINISH DATE					
WAS THE PROJECT FINISHED ON TIME (Explain if needed)					
SQUARE METERS OR UNITS (Indicate unit measurements)					
CONTRACT COST IN PESOS					
CONTRACT COST IN MONTHLY MINIMUM SALARIES					
INDICATE IF IN THIS PROJECT YOU WERE THE PRIME CONTRACTOR , SUBCONTRACTOR OR ASSOCIATE					
INDICATE THE PERCENTAGE OF PARTICIPATION OF YOUR FIRM IN THIS PROJECT					
BRIEF DESCRIPTION OF ACTIVITIES BEING PERFORMED					
COMPARISON OF THE WORK PERFORMED WITH THIS SOLICITATION (* 2)					
BRIEF DESCRIPTION OF TECHNICAL PROBLEMS ENCOUNTERED AND THE WAY THEY WERE SOLVED					
METHOD OF ACQUISITION (Public solicitation, private or non competed) award criteria					
COST/PRICE MANAGEMENT HISTORY (any cost overruns and under runs, and cost growth and changes)					
HAVE YOU HAD ANY CONTRACT TERMINATIONS IN THE LAST TEN (10) YEARS?					
REASONS FOR TERMINATIONS (for contractor convenience ó for default or other)					

(*1) Consulting, construction, design, work oversight, delegated administration If you are not a company explain if you were the superintendent, director or other.

(*2) En here you should indicate which activities performed are similar to the work being contracted.

I certify that the information is accurate and verifiable

Signature of the Legal Representative _____
Name of the Legal Representative _____

Date _____
Id Number _____

Artículo 289 del Código Penal Colombiano: "El que falsifique documento privado que pueda servir de prueba, incurrirá, si lo usa, en prisión de uno (1) a seis (6) años."