-1-

5270142005

UNITED STATES GOVERNMENT

memorandum

DATE: February 15, 1979

REPLY TO ATTN OF: J.A. Vasile, Regional Telecom Technician (RTT) JVasile

SUBJECT: Telecommunications Status Report For Period Jan. 15, 1979 - Feb. 15, 1979 per paragraphs 2,3 - Contract AID/lac C 1285, Project No. 527-9424 (State 136-00-1-01). Narcotics Control

PD-AAP-780

TO: Contracting Officer, Office of Contract Management, AID
Senior Narcotics Control Officer, AmEmbassy, Lima
S/NM TSD
AID Reference Center, AID, WashDC

I. SUMMARY

A. General

1. Nine days of the reporting period Jan. 16-25 were spent TDY La Paz, Bolivia.
2. Nominations were requested for candidates to proposed U.S. Motorola training course for technicians from Colombia, Peru and Bolivia.

B. Peru

1. Peru Investigative Police (PIP) Telecom Project
   a) PIP negotiations for headquarters building reported January report failed. Another building is under consideration.
   b) Remote H.F. Receiver operation was investigated.
   c) Local purchase order was issued for 10 prefabricated metal towers for VHF installations.
2. Guardia Civil (GC) Telecom Project
   a) Local purchase order was issued for 10 prefabricated metal towers for HF installations.

C. Bolivia DCNSP Telecom Project

a) Meeting held with new DCNSP Chief, Col. Ameller, on telecom project.
b) New H.F. antenna rearrangement provides improved tranmission performance.
c) VHF H.T. range tests performed.

D. Colombia OAC Telecom Project

1. Consulted with David Arroyo on Telecom project progress, following his return from Bogota TDY, Jan. 25.

II. PERU

1. PIP Telecom Project

a) Negotiations for the building in the Magdalena sector of Lima

POL:NCU:JVasile:ezp

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

OPTIONAL FORM NO. 10
(REV. 7-76)
GSA FPMR (41 CFR) 101-11.6
5010-112

failed for reasons of large mortgage indebtedness on the property. Another building in under current consideration. It is located in the Lince sector, land space is 1750 m^2 of which 1450 m^2 is comprised of a 3 story building. The locale will accomodate towers for HF antennas, if negotiations are successful, and suitable space for a telecom center is available. Suitable supplementary (servants) quarters are also available for detention of prisoners and storage of materials.

b) Five Scientific Radio Model SR 506 H.F. Receivers are installed in PIP quarters at Chorrillos, 7 Km. distant from the PIP Training Center where the Regional Telecommunications Center is located. At the Regional Telecom Center one Scientific Radio HF-SSB transceiver, Model SR-206 is assigned to operate with each of four regions. All the antennas for four transceivers and for the Interpol transmitter and receiver are located on the roof of the building. Much interference between those trasmitters and receivers is the normal experience It was to eliminate this interference that receivers were installed at Chorrillos, some years ago, and their audio outputs connected to telephone lines. On investigation it was found that the receivers were not provided with a 600 ohm telephone option required for satisfactory transmission over telephone lines. The 4 ohm speaker output was directly connected to the telephone line, effectively shortin it and providing such heavy losses that almost no audio signal reache the Regional Telecom Center.
RTT preliminary tests tapping the audio signal of the SR 506 receiver at a higher impedance point in the audio amplifier circuit with capacitor coupling to the telephone line appears promising. If successful the SR 206 transceivers will be modified to permit switching to the remote receiver for the most used channel and to the SR 206 internal receiver for operation on other channel selections.

c) A local purchase order was issued for the procurement of ten triangul towers, 18 meters high, comprised of 6 sections of 3 meters each. These towers will be erected in Lima, Tumbes, Ayacucho, Puno, Iquitos and Tingo Maria to support programmed VHF base station antennas and, improve the suspension of H.F. antennas at these locations.

2. Guardia Civil Telecom Project

a) A local purchase order was issued for the procurement of ten towers of the type ordered for the PIP. The GC towers are scheduled for erection in cities within Huanuco Department where H.F.-SSB transceivers are programmed for installation.

III. BOLIVIA DCNSP TELECOM PROJECT

1. A meeting was held between La Paz NCO, RTT and Col. Victor Ameller, the new DCNSP Director, on the Bolivia Telecom Project. A copy of th agenda of the meeting is attached. Also attached is a copy of the memorandum on the subject of DCNSP technical personnel requirements.

A translation in Spanish of this memorandum was submitted to Col. Ameller.

2. Notably improved H.F. transmission between La Paz and Santa Cruz and Cochabamba, has resulted from new antennas suspended between recently erected towers at DCNSP.
RTT proposed to the DCNSP telecom chief that the La Paz H.F. transceiver be equipped with 9282 KHz on channel 6, the most used frequency. This will permit use of this frequency on channel 4 for N-S oriented transmission and channel 6 for E-W oriented transmission without external plugging and unplugging of coaxial connectors.

3. A VHF range test was conducted on the Altiplano road from El Alto travelling towards Oruro. The test was conducted on channel 1 which uses the El Alto repeater. Contactwas maintained with the HT-220 Handie-Talkie to a distance of 62 Km with QSA-2. At this distance the mobile transceiver transmission was still QSA-5. The purpose of the test was to determine the range of HT-220 Handie-Talkie units for consideration in future planning of mobile operations in Bolivia using Convertacom equipment instead of mobile units.

IV. COLOMBIA OAG TELECOM PROJECT

1. In consultation with David S. Arroyo, following return to La Paz from TDY in Bogota, he reported no progress on RTT recommended teletype installation program. A cable was drafted to promote activities there. Ref.: a) La Paz 1042, b) Bogota 1523.

V. COMMENTS

1. Tower delivery for PIP and GC are promised by end of March. If delivery is met it will coincide well with anticipated GC equipment deliveries and installation program.

2. No information has been received on delivery schedule for PIP telecom equipment.

ATTACHMENTS:
DNSP Personnel Requirements For Telecom Service
Agenda For DNSP/Embassy Telecom Meeting

1/19/79

AGENDA FOR DNSP/EMBASSY TELECOM MEETING

Col. VICTOR AMELLER	DNSP
LUIS INFANTES	DNSP
CARLOS LOPEZ	NCU
JOSEPH VASILE	RTT

1. Two PA/C ready for issue

   a) Trinidad, Puerto Suarez, Guayaramerin, Tarija - VHF Base Stations and HT. Desaguadero -HF/SSB.

   b) Villa Tunari, Chulumani, Cobija - HF/SSB Montero - VHF/FM Base Statio.

2. 1979 Projections

   a) 15 cities - VHF/FM base, mobile, HT
      " " 12 27
      4 cities - HF/SSB base

3. Installations Projections

   a) #1 above May/August, 1979
      #2 Sept/79 - January 1980

4. Personnel Requirements

   a) 2 La Paz Telecom Center
      2 Installations
      2 Scheduled routine maintenance nationally.

   b) Type of specialization

      4 electronic specialist
      2 electrical, antenna, teletype

5. Administrative Improvements suggested

   a) Kardex at Telecom Center
   b) Schedule of accessibility of parts from bodega
   c) Instructions to field commanders on use of telecom equipment.
   d) Scheduled field maintenance nationally
   e) Records of repair operations - trouble, parts replaced, technician responsible.
   f) Reports of installations, repair statistics, serious failures - to DNSP Director and Embassy.